

2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12)

Data File Documentation

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Executive Summary

The 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12), conducted for the U.S. Department of Education's National Center for Education Statistics (NCES), is the second follow-up of a panel of baccalaureate degree recipients identified in the 2007–08 National Postsecondary Student Aid Study (NPSAS:08). Four years after these students' graduation from college, the 2012 study focuses on respondents' postbaccalaureate education and employment. This report summarizes the methods used in B&B:08/12 and provides other technical details about the data collection, which took place during the 2012–13 academic year. The executive summary includes basic information about the following aspects of the study: sample design, interview design, interview data collection, administrative data collection, data file processing and preparation, and weighting and variance estimation.

Sampling Design

The B&B:08/12 respondent universe consisted of students who completed requirements for a bachelor's degree between July 1, 2007, and June 30, 2008, at any Title IV eligible postsecondary institution in the United States and Puerto Rico. Identification of the B&B:08 cohort required a multistage process, beginning with NPSAS:08. First, a sample of institutions was selected from the NPSAS:08 universe of institutions. Second, a sample of students was selected from the sampled institutions. Third, sample members who were expected to complete a bachelor's degree in the 2007–08 academic year were confirmed as baccalaureate recipients during the NPSAS:08 interview and, therefore, identified as eligible for the B&B:08 cohort.

Eligibility was reviewed again in the first follow-up, B&B:08/09. The B&B:08/12 sample included approximately 17,160 sample members and was comprised of all eligible B&B:08 cohort members as determined by B&B:08/09 transcripts or prior interviews.¹

Interview Design, Interview Data Collection Results, and Experiments

The B&B:08/12 interview included items from interviews conducted with the B&B:93/03 and B&B:2000/01 cohorts and on the B&B:08/09 interview. It incorporated data elements developed with input from the study's Technical Review Panel and from NCES. Core data elements in the B&B:08/12 interview included such items as degree attainment, continuing or graduate education, employment, debt and finances, and interest in or preparation for K–12 teaching. The B&B:08/12 interview consisted of seven topical sections: Eligibility, Undergraduate Education, Postbaccalaureate Education and Training, Postbaccalaureate Employment, K–12 Teaching, Student Background, and Locating.

B&B:08/12 used a single web-based instrument to conduct both self- and interviewer-administered interviews. To minimize mode effects, or systematic differences in responses depending on whether the interview was completed by the respondent on the web or administered by an interviewer over the telephone, the instrument included several features: help text and telephone interviewer instructions on every form, pop-up messages when a response was entered in an incorrect format, and text to encourage responses to critical items (i.e., conversion text) when sample members did not provide a response.

¹ The numbers appearing in the tables, figures, and text of this report were rounded to maintain the confidentiality of study respondents. Reported percentages may differ from calculations based on unrounded numbers.

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A draft of the B&B:08/12 interview was field tested in 2011 to assess item wording, evaluate data quality, and determine the length of the interview. In addition, the field test included experiments designed to test both varying item layouts and the efficacy of a set of financial incentives for participation. Appendix C describes the development process and results of the field test.

B&B:08/12 employed a data collection technique known as *responsive design*. Responsive design approaches can have many goals; for B&B:08/12, the responsive design efforts were intended to reduce bias in survey estimates due to nonresponse. Key elements of the B&B:08/12 responsive design were intended to identify sample members who were most likely to contribute to nonresponse bias if they did not respond and to reduce nonresponse bias by increasing response among the identified cases. B&B:08/12 tested a responsive data collection design based on a multivariate distancing measure known as the *Mahalanobis distance*.

Prior to the start of data collection, all sample cases were randomly assigned to control and treatment groups. A Mahalanobis calculation based on the multivariate distance between the baseline respondent average and an individual nonrespondent was calculated at three points during the B&B:08/12 data collection. Nonrespondents with high Mahalanobis distances were considered the most likely to contribute to nonresponse bias, and those in the treatment group were selected for targeted interventions. Cases targeted during the first intervention point received a \$15 increase in their promised incentive. Cases targeted as part of the second intervention received a \$5 prepay via FedEx. Cases targeted at the third, and final, intervention were offered an abbreviated interview.

Results of the experiment showed that the \$5 prepaid incentive and abbreviated interview offer increased response rates. However, nonresponse bias analyses did not show significant reductions in nonresponse bias between the treatment and control groups across sampling frame variables or those variables included in the Mahalanobis model.

In the full-scale study, 14,600 (or 85 percent) of the 17,140 sample members in the B&B:08/12 cohort completed an interview. Of these completed interviews, 92 percent were completed on the web and 8 percent were completed by telephone. The interview averaged 35.3 minutes to complete overall, with web interviews averaging 34.6 minutes and telephone interviews 43.2 minutes.

Administrative File Matching

In addition to the student interview, data collection for B&B:08/12 included record matching to the Central Processing System (CPS), the National Student Loan Data System (NSLDS), and the National Student Clearinghouse (NSC). These sources provided information from federal financial aid applications, federal records on student loans and Pell Grants, and respondents' postbaccalaureate enrollment, respectively. The CPS contains records for individuals who applied for federal financial aid. About 13 percent of the B&B:08/12 sample had a record in the CPS in the 2012–13 school year. The NSLDS includes only historical records for sample members who received federal loans or Pell Grants. About 13,210 study members (77 percent) matched to NSLDS loan records and 8,810 (51 percent) matched to NSLDS Pell Grant records. B&B:08/12 interview nonrespondents were matched to the NSC StudentTracker database, which provides information on postsecondary enrollment, degree, and certificate records on behalf of participating postsecondary institutions. Overall, a record match for a student's enrollment at any NSC-participating institution was obtained for about 1,150 (45.5 percent) of the B&B:08/12 nonrespondents.

Data File Processing

Throughout data collection, data were processed, examined for quality, and edited. Anomalous values were investigated and resolved, where appropriate, through the use of data corrections and logical recodes.

Once data collection and final editing were complete and the study respondents identified, B&B:08/12 data were subject to perturbation procedures to protect the confidentiality of specific individuals. Perturbation procedures, which have been approved by the NCES Disclosure Review Board, preserve the central tendency estimates but may increase nonsampling error slightly.

Analysts derived new variables from raw data in several ways. When multiple sources of data were available, analysts set priorities among these sources on an item-by-item basis, reconciling discrepancies within and between sources as needed. Analysts also recoded, combined, or summarized items within and across data sources to create derived variables. Appendix H lists the variables derived for B&B:08/12. Details about the creation of each variable appear in the variable descriptions in PowerStats and codebooks for the restricted files.

B&B staff imputed missing data for many derived variables in accordance with mass imputation procedures described by Krotki, Black, and Creel (2005). After replacing missing data where values could be deduced with certainty based upon logical relationships among observed variables, the *weighted sequential hot deck* method was used to replace the remaining missing data by imputing plausible values from statistically selected donor cases (Cox 1980; Iannacchione 1982).

To reduce error due to imputation, B&B staff performed quality checks throughout imputation. In particular, staff compared the distributions of values before and after imputation and examined the raw data, as needed, to resolve apparent anomalies. Appendix G shows the item response and nonresponse rates among all students for each variable subject to imputation and the pre- and postimputation means and distributions for continuous and categorical variables, respectively.

Analysis Weights and Variance Estimation

Three weights were developed for analyzing the B&B:08/12 data. A *bookend weight* was developed for analyzing NPSAS items in combination with items directly from or derived from the B&B:08/12 interview. A *panel weight* was developed for analyzing NPSAS items in combination with items directly from or derived from both the B&B:08/09 interview and the B&B:08/12 interview. A *panel transcript weight* was developed for analyzing items from all three interviews and transcripts.² All weights were adjusted for nonresponse and were also adjusted to Integrated Postsecondary Education Data System (IPEDS) and NPSAS:08 control totals.

Two procedures for estimating the variance of survey statistics are the Taylor series linearization procedure and the bootstrap replication procedure. Variables used for both of these variance estimation procedures are available on the B&B:08/12 data files.

B&B:08/12 data are available as restricted-use data files or as public use data via the NCES web tools (QuickStats and PowerStats), found at <http://nces.ed.gov/datalab>. The primary analysis file, from which PowerStats was constructed, shows data for 14,570 respondents and contains over 2,600 variables, developed from multiple sources.

² A cross-sectional weight was not included because analyses of B&B:08/12 data almost always include NPSAS:08 items, especially demographic characteristics.

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Restricted-use data files, associated codebooks, and other documentation are available to researchers who have obtained a license from NCES. See <http://nces.ed.gov/statprog/instruct.asp> to obtain a license. Additional information on obtaining a data license is available in the *NCES Restricted-Use Data Procedures Manual* at <https://nces.ed.gov/statprog/rudman/>.

Anyone may analyze B&B:08/12 data through QuickStats and PowerStats. These tools permit analysis without disclosing individual respondents' data to the user. In addition, QuickStats and PowerStats suppress or flag estimates that fail to meet reporting standards. QuickStats allows users to generate simple tables and graphs quickly and easily. PowerStats allows users to generate more complex tables and estimate simple linear or logistic regression models.

Foreword

This report describes and evaluates the methods and procedures used B&B:08/12. B&B:08/12 is the second follow-up interview for the cohort of bachelor's degree recipients identified in NPSAS:08.

We hope that the information provided in this report will be useful to interested readers. Additional information about B&B:08/12 is available at <http://www.nces.ed.gov/surveys/b&b>.

Chris Chapman
Associate Commissioner
Sample Survey Division

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Chapter 1. Overview

This report documents the methods used in the 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12). RTI International, with the assistance of MPR Associates, Inc.,¹ conducted B&B:08/12 for the U.S. Department of Education's National Center for Education Statistics (NCES) under Contract No. ED-05-CO-0033.

Chapter 1 of this report describes the background, legislative authorization, schedule, and products of B&B:08/12. Chapter 2 presents sampling details for the B&B:08 cohort. Chapter 3 describes the development of the interview, the data collection process and results, and interview data quality. Chapter 4 describes administrative data collection processes and outcomes. Chapter 5 summarizes the file preparation process for the B&B:08/12 interview. Finally, chapter 6 presents the weighting and variance estimation procedures. Materials used during the data collection and additional analysis tables are appended to the report and cited in the text where appropriate.

Unless otherwise indicated, a criterion probability level of .05 was used for all tests of significance conducted for the B&B:08/12 evaluations. Throughout this publication, reported numbers of sample institutions and students have been rounded to protect the confidentiality of institutions and individuals. As a result, row and column entries in tables may not sum to their respective totals, and reported percentages may differ somewhat from those that would result from these rounded numbers.

1.1 Background and Purpose

NCES conducts several studies to respond to the need for a national and comprehensive database related to postsecondary education. These studies address issues such as access, choice, enrollment, persistence, attainment, continuation into graduate and professional schools, and the benefits of postsecondary education to individuals and to society.² B&B is one of several studies sponsored by NCES to address these issues, specifically studying bachelor's degree recipients over time.

NCES is authorized to conduct B&B by the following legislation:

- the Higher Education Act of 1965, as amended by the Higher Education Opportunity Act of 2008, 20 U.S.C. § 1015(a) (2012);
- the Education Sciences Reform Act of 2002, 20 U.S.C. §§ 9541 to 9548 (2012); and
- the Higher Education Act of 1965, as amended, 20 U.S.C. § 1070 et seq. (2012).

B&B provides a longitudinal study of the education, work, financial, and personal experiences of individuals who have completed a bachelor's degree at a given point in time. Three distinct B&B cohorts, each sampled almost a decade apart, have allowed researchers to evaluate how baccalaureate degree recipients have fared at differing times in recent history.

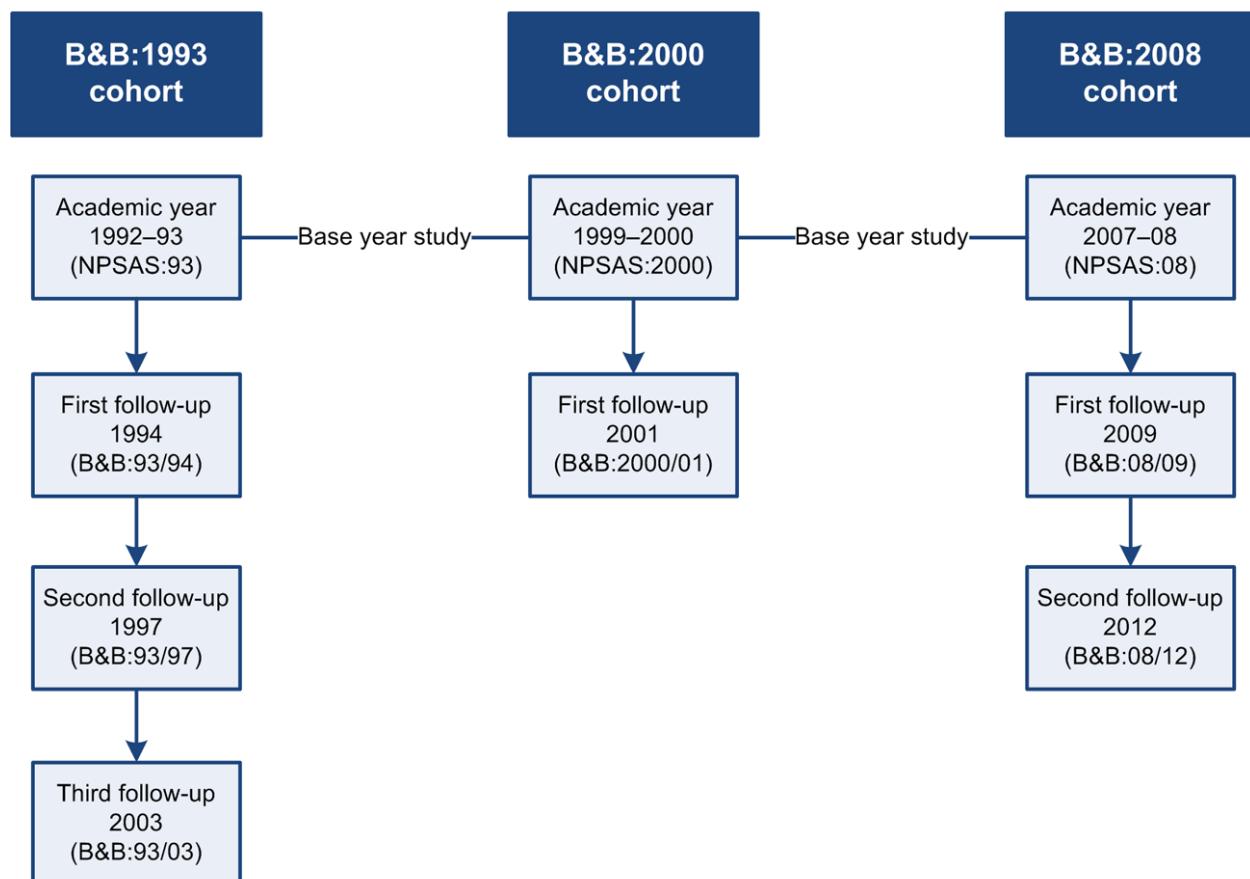
Students were identified as bachelor's degree recipients through the B&B base-year study, the National Postsecondary Student Aid Study (NPSAS). NPSAS is a nationally representative trend

¹ MPR Associates, Inc. was acquired by RTI in 2013.

² A complete list of NCES postsecondary studies is available at <http://nces.ed.gov/surveys/SurveyGroups.asp?Group=2>.

study of postsecondary students designed to determine how students and their families pay for postsecondary education. The first B&B cohort was identified in 1993 as part of NPSAS:93. That cohort was subsequently interviewed in a B&B follow-up in 1994 (B&B:93/94), which included a collection of transcript data. The B&B:93 cohort was surveyed again in 1997 (B&B:93/97) and in 2003 (B&B:93/03). A second B&B cohort began with NPSAS:2000 and involved only a 1-year follow-up in 2001 (B&B:2000/01). NPSAS:08 identified the third and current B&B:08 cohort. B&B:08/09 was conducted 1 year after the base-year NPSAS:08 data collection and included a transcript collection, and B&B:08/12 was conducted 4 years after the base-year study. Figure 1 shows the data collection timelines for the base-year and subsequent follow-up studies for each B&B in the series.

Figure 1. Chronology of B&B: 1993–2012



NOTE: NPSAS = National Postsecondary Student Aid Study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

B&B covers a number of topics of interest to policymakers, educators, and researchers. The study allows for analysis of both the participation and progress of bachelor's degree completers in the workforce and the relationship of degree type and focus to employment status, income, and ability to repay debt. The study also collects data on entry into, persistence through, and completion of postsecondary education, and B&B:08/12 includes an oversample of students who earned bachelor's degrees in a science, technology, engineering, and mathematics (STEM) field. A special emphasis of B&B is the examination of pathways and experiences of new elementary and secondary school teachers. Many issues related to teacher preparation, entry into the profession (e.g., timing

and ease of entry), persistence in teaching, and career movement within education can be examined. Two B&B studies (B&B:93/94 and B&B:08/09) have collected postsecondary transcript data that provide a unique opportunity for analysts to review what courses students take in college and explore relationships between collegiate coursetaking and respondents' postbaccalaureate experiences (work, graduate school, etc.).

Although the focus and principal content of B&B interviews in each of these three cohorts have remained relatively consistent, expert panels and other reviews of the interviews have helped to shape and alter questions as needed for relevancy. The B&B:08/12 survey was revised to provide data related to a human capital framework (Becker 1994). B&B also gathers extensive information on bachelor's degree recipients' undergraduate experiences, demographic backgrounds, expectations regarding graduate study and work, and participation in community service.

1.2 Schedule and Products

Table 1 summarizes the schedule for the major B&B:08/12 activities. Electronically documented, restricted-access research files (with associated codebooks) and the NCES online application PowerStats have been constructed and are available for use by researchers. In addition to this data file documentation, B&B:08/12 has produced a First Look report that provides descriptive information for the B&B:08/12 cohort, special tabulations on issues of interest to the higher education community, and descriptive reports of significant findings for dissemination to a broad range of audiences. A list of many of these publications is available at <http://nces.ed.gov/surveys/b&b/>.

Table 1. Schedule of major B&B:08/12 activities: 2011–15

Activity	Start date	End date
Data collection		
Review and confirm sample	11/1/2011	6/6/2012
Conduct web and telephone interview data collection	8/24/2012	4/15/2013
Process interview data and construct data files	8/24/2012	4/14/2014
Data products		
Data File Documentation report	9/7/2012	11/3/2014
First Look report	2/27/2013	7/8/2014
PowerStats	4/8/2013	7/8/2014
Descriptive reports	7/8/2013	3/20/2015

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Chapter 2.

Sampling Design

Identification of the B&B:08/12 sample required a multistage process that began with selection of the NPSAS:08 sample of institutions and was followed by selection of students within these institutions. A third stage confirmed that sample members who, as of NPSAS:08, were expected to complete a bachelor's degree in the 2007–08 academic year were indeed baccalaureate recipients during that academic year and, therefore, were eligible to be sampled for the B&B:08 cohort. All eligible sample members (as determined by the B&B:08/09 interview and the transcripts) were included in the B&B:08/12 sample.

2.1 Respondent Universe and Sample

To be eligible for inclusion in the B&B:08 cohort, a student³ must have been a student at an institution included in the NPSAS:08 institution universe.

2.1.1 Universe for B&B:08/12

NPSAS:08 Institution universe. To be eligible for the NPSAS:08 sample, institutions had to meet certain criteria during the 2007–08 academic year. They must have

- been eligible to distribute Title IV funds;
- offered an educational program designed for persons who had completed at least a high school education;
- offered at least one academic, occupational, or vocational program of study lasting at least 3 months or 300 clock hours;
- offered courses that were open to persons other than the employees or members of the company or group (e.g., union) that administers the institution;
- been located in one of the 50 states, the District of Columbia, or Puerto Rico; and
- not been a U.S. service academy.

Institutions that provided only vocational, recreational, or remedial courses or only in-house courses for their own employees were excluded. U.S. service academies were also excluded because of their unique funding/tuition base.

These institution eligibility conditions were consistent with previous NPSAS administrations, with two exceptions. First, the criterion of being eligible to distribute Title IV aid was implemented beginning with NPSAS:2000,⁴ and second, previous NPSAS studies excluded institutions that offered only correspondence courses. NPSAS:08 included such institutions if they were eligible to distribute Title IV student aid.

NPSAS:08 Student universe. To be eligible for NPSAS:08, students had to be enrolled in a NPSAS-eligible institution in any term or course of instruction at any time from July 1, 2007, through June 30, 2008. Students also had to meet the following requirements:

³ Sample members are referred to as *students* because they were students during the 2007–08 academic year, when the sample selection occurred. Many of the sample members were not students at the time of the B&B:08/12 study.

⁴ An indicator of Title IV eligibility has been added to the analysis files from earlier NPSAS studies to facilitate comparable analyses.

- be enrolled in any of the following: an academic program; at least one course for credit that could be applied toward fulfilling the requirements for an academic degree; or an occupational or vocational program that required at least 3 months or 300 clock hours of instruction to receive a degree, certificate, or other formal award;
- not be currently enrolled in high school; and
- not be enrolled solely in a General Educational Development (GED) or other high school completion program.

B&B:08 cohort. B&B:08-eligible persons were individuals who completed requirements for a bachelor's degree from a NPSAS:08-eligible institution between July 1, 2007, and June 30, 2008, and were awarded their baccalaureate degree by the institution from which they were sampled no later than June 30, 2009.

2.1.2 Sample for B&B:08/12

NPSAS:08 Institution sample. NPSAS:08 constructed its institution sampling frame from the 2004–05 Integrated Postsecondary Education Data System (IPEDS:2004–05) Institutional Characteristics (IC), Fall Enrollment, and Completions files. Because the original sample of 1,630 institutions was drawn from the IPEDS:2004–05 IC file, the institution sample was freshened in order to add newly eligible institutions to the sample and produce a sample that was representative of the institutions eligible in the 2007–08 academic year. To do this, the IPEDS:2005–06 IC, Fall Enrollment, and Completions files were used to create an updated sampling frame of current NPSAS-eligible institutions. Through this process, about 10 institutions were added to the sample. In fall 2007, NCES decided to include state-representative undergraduate student samples for four degree-granting institution sectors (public 4-year; public 2-year; private nonprofit 4-year; and for-profit 4-year) in six states: California, Georgia, Illinois, Minnesota, New York, and Texas.⁵ To accomplish this, a supplemental sample was drawn and added to the existing sample. The final NPSAS:08 sample included 1,960 institutions and was selected from 46 institution strata based on state, institution level and control, highest level of offering, and proportion of bachelor's degrees awarded in education.⁶ Of these 1,960 institutions,⁷ about 1,940 (99 percent) were eligible to participate in NPSAS:08. Table 2 shows the number of institutions that were sampled, the number of eligible institutions, and the number and unweighted and weighted percentages of eligible institutions providing enrollment lists, by institution characteristics.

⁵ These six states were selected based on the size of undergraduate enrollment in the four sectors; prior inclusion in the NPSAS:04 12-state sample with high levels of cooperation and participation in that survey; and unique or recently changed tuition and state grant policies that provided opportunities for comparative research and analysis.

⁶ The proportion of bachelor's degrees awarded in education was used to ensure that sufficient numbers of sample students received a bachelor's degree in education. Such students are an important analysis domain for B&B.

⁷ Reported numbers have been rounded to ensure the confidentiality of data. As a result, reported percentages (based on unrounded numbers) may differ somewhat from those that would result from these rounded numbers.

Table 2. NPSAS:08 sampled and eligible institutions and enrollment list participation rates, by institution characteristics: 2007–08

Institution characteristics ¹	Sampled institutions	Eligible institutions	Institutions providing lists		
			Number	Unweighted percent	Weighted percent ²
All institutions	1,960	1,940	1,730	89.0	90.1
Institution level					
Less-than-2-year	130	120	100	82.6	83.2
2-year	570	560	510	89.7	90.7
4-year non-doctorate-granting	700	700	630	89.7	91.9
4-year doctorate-granting	560	560	500	88.8	88.6
Institution control					
Public	960	960	880	91.9	91.2
Private nonprofit	650	640	560	87.4	86.7
For-profit	350	340	290	83.6	88.2
Institution type					
Public					
Less-than-2-year	20	20	20	90.9	93.2
2-year	450	450	410	91.7	91.2
4-year non-doctorate-granting	200	200	190	94.4	95.4
4-year doctorate-granting	290	290	260	90.7	89.2
Private nonprofit					
Less-than-4-year	20	20	20	84.2	84.7
4-year non-doctorate-granting	370	370	320	88.2	87.9
4-year doctorate-granting	260	260	230	86.5	85.9
For-profit					
Less-than-2-year	100	90	70	80.4	81.0
2-year or more	260	250	210	84.8	90.2

¹ Institution characteristics were based on data from the sampling frame that was formed from IPEDS:2004–05 and freshened from IPEDS:2005–06.

² The base weight was used to produce the estimates in this column.

NOTE: Percentages were based on the unrounded count of eligible institutions. IPEDS = Integrated Postsecondary Education Data System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2007–08 National Postsecondary Student Aid Study (NPSAS:08).

NPSAS:08 Student sample. Sample institutions provided lists of their eligible students. As student lists were received from institutions, students were sampled by means of stratified systematic sampling with predetermined sampling rates that varied by student stratum. NPSAS:08 oversampled potential baccalaureate recipients to allow sufficient numbers to be included in the B&B follow-up studies and, thus, stratified them separately from other undergraduate students. Business majors make up a high proportion of baccalaureates; therefore, business majors were undersampled among potential baccalaureate recipients to ensure that the sample did not consist primarily of business majors. Additionally, STEM majors; National Science and Mathematics Access to Retain Talent (SMART) Grant recipients; and Academic Competitiveness Grant (ACG) recipients were oversampled to allow the analysis of sufficient numbers of these analytically important subgroups. Further, institutions that awarded proportionally higher numbers of degrees in education majors were oversampled to ensure sufficient numbers for analysis. There were 20 student strata, as follows:

1. in-state potential baccalaureate recipients who were business majors;
2. out-of-state potential baccalaureate recipients who were business majors;

3. in-state potential baccalaureate recipients who were STEM majors and SMART Grant recipients;
4. out-of-state potential baccalaureate recipients who were STEM majors and SMART Grant recipients;
5. in-state potential baccalaureate recipients who were STEM majors and not SMART Grant recipients;
6. out-of-state potential baccalaureate recipients who were STEM majors and not SMART Grant recipients;
7. in-state potential baccalaureate recipients in all other majors who were SMART Grant recipients;
8. out-of-state potential baccalaureate recipients in all other majors who were SMART Grant recipients;
9. in-state potential baccalaureate recipients in all other majors who were not SMART Grant recipients;
10. out-of-state potential baccalaureate recipients in all other majors who were not SMART Grant recipients;
11. in-state other undergraduate students who were SMART Grant recipients;
12. out-of-state other undergraduate students who were SMART Grant recipients;
13. in-state other undergraduate students who were ACG recipients;
14. out-of-state other undergraduate students who were ACG recipients;
15. in-state other undergraduate students who were not SMART Grant or ACG recipients;
16. out-of-state other undergraduate students who were not SMART Grant or ACG recipients;
17. master's degree students;
18. doctoral degree students;
19. other graduate students; and
20. first-professional students.

Unlike studies in which an eligible sample member's response to the survey instrument determines whether a particular case is included in the analytic file, the NPSAS family of studies determine study response on the basis of the presence of data on a key subset of variables. This has the effect of preserving some sample members who do not respond to the survey instrument, but for whom robust administrative data exist. A *study respondent* was defined as any sample member who was eligible for the study and had valid data from any data source for the following variables:

- student type (undergraduate or graduate/first-professional);
- date of birth or age;
- sex; and
- at least 8 of the following 15 variables:

- dependency status;
- marital status;
- any dependents;
- income;
- expected family contribution;
- degree program;
- class level;
- baccalaureate status;
- months enrolled;
- tuition;
- received federal aid;
- received nonfederal aid;
- student budget;
- race/ethnicity; and
- parent education.

Table 3 shows the number of NPSAS:08 students sampled, the number of eligible students, and the unweighted and weighted percentages of study respondents, by institution characteristics.

Table 3. NPSAS:08 Sampled and eligible students and response rates, by institution characteristics: 2007–08

Institution characteristics ²	Sampled students	Eligible students ³	Study respondents ¹	
			Unweighted percent	Weighted percent ⁴
All students	137,800	132,800	96.2	95.7
Institution level				
Less-than-2-year	8,820	7,950	95.0	96.7
2-year	43,460	40,770	93.3	92.5
4-year non-doctorate-granting	37,930	37,140	97.8	97.6
4-year doctorate-granting	47,590	46,940	97.6	97.6
Institution control				
Public	87,470	84,240	95.3	94.9
Private nonprofit	32,760	31,950	97.7	97.3
For-profit	17,570	16,610	97.6	98.5
Institution type				
Public				
Less-than-2-year	1,730	1,480	90.0	88.9
2-year	39,340	37,010	92.8	92.2
4-year non-doctorate-granting	16,120	15,850	98.0	98.1
4-year doctorate-granting	30,280	29,910	97.3	97.4
Private nonprofit				
Less-than-4-year	2,080	1,790	97.0	97.7
4-year non-doctorate-granting	14,200	13,930	97.3	96.8
4-year doctorate-granting	16,480	16,230	98.0	97.8
For-profit				
Less-than-2-year	6,610	6,050	96.1	97.6
2-year or more	10,960	10,560	98.5	98.7

¹ A study respondent was defined as any eligible sample member for whom sufficient key data were obtained from one or more sources, including interviews, institution records, and the U.S. Department of Education's Central Processing System (CPS).

² Institution characteristics were based on data from the sampling frame formed from IPEDS:2004–05 and refreshed from IPEDS:2005–06.

³ Sample member eligibility was determined during the interview or from institution records in the absence of an interview.

⁴ The base weight was used to produce the estimates in this column.

NOTE: Percentages were based on the unrounded count of eligible students. IPEDS = Integrated Postsecondary Education Data System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2007–08 National Postsecondary Student Aid Study (NPSAS:08).

In previous NPSAS studies from which a B&B cohort was derived, lists of potential baccalaureate recipients were collected with the student list of all enrolled undergraduate and graduate/first-professional students. However, these baccalaureate lists often could not be provided until late spring or summer when baccalaureate recipients could be positively identified; this negatively affected the data collection schedule. To encourage an earlier receipt of enrollment lists, 4-year institutions were asked to include an indicator (B&B flag) of students who had received or might receive a baccalaureate degree during the NPSAS year (between July 1, 2007, and June 30, 2008).⁸ Institutions were instructed to make this identification before spring graduation. Four-year institutions were also asked to include an indicator of class level for undergraduates (1st year, 2nd year, 3rd year, 4th year, or 5th year). From NPSAS:2000, it was estimated that about 55 percent of the 4th- and 5th-year students would be baccalaureate recipients during the NPSAS year and that

⁸ The B&B flag had values of yes, no, and don't know.

about 7 percent of 3rd-year students would also be baccalaureate recipients. This class-level indicator was used when the B&B flag was not provided for any students.

Because most enrollment lists were received before June 30, 2007, and many were received before April, some sample students identified by the institution as baccalaureate candidates were determined during the NPSAS interview not to be baccalaureate recipients (*false positives*). Likewise, some sample students not identified by the institution as baccalaureate candidates were determined during the NPSAS interview to have received baccalaureate degrees (*false negatives*) during the specified time frame. See the *2007–08 National Postsecondary Student Aid Study (NPSAS:08) Full-scale Methodology Report* for additional details on the NPSAS:08 sampling (Cominole et al. 2010).

B&B:08/09 sample. The sample for B&B:08/09 included 25,050 NPSAS:08 sample members who had been identified as potentially eligible for membership in the B&B:08 cohort. In the first follow-up, eligibility for the B&B:08 cohort was based primarily on information obtained from the student's transcript. For students who lacked a transcript, eligibility was based on responses provided during the NPSAS:08 student interview. For students without either a transcript or a NPSAS:08 interview, eligibility was based on institution records or the enrollment list provided by the NPSAS:08 institution at the time of student sampling. Table 4 shows the distribution of the 25,050 NPSAS:08 sample members by the sources of information used to determine their eligibility. Table 5 shows the final eligibility status, based on transcripts, of the 18,000 B&B:08 sample members whose baccalaureate receipt was confirmed in the NPSAS:08 interview.

Table 4. Potential B&B:08 cohort members, by eligibility source: 2012

Eligibility source	Number	Percent
Total	25,050	100.0
Bachelor's degree confirmed in NPSAS:08 interview	18,000	71.9
Bachelor's degree confirmed in student records	4,630	18.5
Listed as potential bachelor's degree recipient	2,420	9.7

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2007–08 National Postsecondary Student Aid Study (NPSAS:08) and 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09).

Table 5. Potential B&B:08 cohort members confirmed in the NPSAS:08 interview, by transcript-based eligibility outcome: 2012

Transcript-based eligibility outcome	Number	Percent
Total	18,000	100.0
Confirmed B&B:08 eligible	15,050	83.6
Confirmed B&B:08 ineligible	1,060	5.9
No transcript	1,890	10.5

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2007–08 National Postsecondary Student Aid Study (NPSAS:08) and 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09).

In addition to transcripts being collected from the sampled institutions for NPSAS:08 interview respondents, they were requested for the 7,050 NPSAS:08 interview nonrespondents who were either confirmed in student records⁹ to be degree candidates or listed by the NPSAS:08 sample institution as bachelor's degree candidates. Approximately 5,150 NPSAS:08 nonrespondents were determined to be eligible or eligibility could not be determined for B&B:08/09 based on transcript

⁹ Student records were referred to in previous reports as computer-assisted data entry.

data. In order to have full population coverage of the B&B:08/09 sample, a subsample of 500 of the 5,150 NPSAS:08 nonrespondents was selected for inclusion in the first follow-up. To maximize the eligibility rate among the subsample, the 5,150 NPSAS:08 nonrespondents were stratified based on study respondent, transcript, National Student Clearinghouse (NSC), and student record statuses. The NSC data on degree completion were used to identify eligible students but could not identify ineligible students with certainty. Within each stratum, the nonrespondents were first sorted by institution sector to ensure the representativeness of the sample and were also sorted by the NPSAS:08 sampling weight within sector. Then the sample was drawn within each stratum with probabilities proportional to the NPSAS:08 sampling weight. The sampling rates used in each stratum were different in order to maximize response and eligibility rates while also representing the various types of sample members. The B&B:08/09 sample was not designed to be representative at the state level. Table 6 shows the distribution of the potential baccalaureate recipients without a NPSAS:08 interview and the subsample.

Table 6. Eligible sample and subsample sizes of the NPSAS:08 potential bachelor's degree recipients without a NPSAS:08 interview: 2012

NPSAS:08 study respondent	Data source available			Potential bachelor's degree recipients		
	Transcript	NSC	Student records ¹	Number eligible	Subsample size	Percent of eligible
Total	†	†	†	5,150	500	9.7
Yes	Yes	Yes	Yes	1,570	180	11.3
Yes	Yes	Yes	No	350	40	11.3
Yes	Yes	No	Yes	1,510	170	11.3
Yes	Yes	No	No	500	50	9.9
Yes	No	Yes	Yes	120	10	5.1
Yes	No	Yes	No	60	#	5.4
Yes	No	No	Yes	370	20	5.1
Yes	No	No	No	250	10	5.1
No	Yes	Yes	Yes	60	#	5.5
No	Yes	Yes	No	80	#	5.1
No	Yes	No	Yes	80	#	5.3
No	Yes	No	No	120	10	5.2
No	No	Yes	Yes	10	#	#
No	No	Yes	No	20	#	#
No	No	No	Yes	20	#	#
No	No	No	No	50	#	#

† Not applicable.

Rounds to zero.

¹ Students without a NPSAS:08 interview who were not identified as a potential bachelor's degree recipient from student records were identified from the enrollment list.

NOTE: A small number of students who were not NPSAS:08 study respondents without transcripts, but who were potentially eligible based on NSC, student records, or the enrollment list, were combined into one stratum for sampling purposes. NSC = National Student Clearinghouse. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2007–08 National Postsecondary Student Aid Study (NPSAS:08) and 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09).

A B&B:08/09 *interview respondent* was defined as any sample member who had a completed, partial, or abbreviated B&B:08/09 interview. A *student transcript respondent* was defined as any sample member who had a transcript provided by the NPSAS:08 institution. A *combined interview and transcript respondent* was both an interview and a transcript respondent. Table 7 shows details of the B&B:08/09 sample, including the total number of sample members, the number of eligible sample members, and the unweighted and weighted response rates, by institution control, for the interview,

transcripts, and the combined interview and transcript. See the *2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09) Full-scale Methodology Report* for additional details on B&B:08/09 sampling (Wine et al. 2013).

Table 7. Number of B&B:08/09 sampled students and eligible students and unweighted and weighted response rates, by institution characteristics: 2009

Institution characteristics ¹	Sampled students	Eligible students	Study respondents	
			Unweighted response rate	Weighted response rate ²
Student interview				
All students	18,500	17,160	87.7	78.3
Institution control				
Public	10,810	9,910	87.5	79.1
Private nonprofit	6,750	6,360	88.2	77.9
For-profit	940	890	85.5	69.6
Student transcript				
All students	18,500	17,160	93.6	92.3
Institution control				
Public	10,810	9,910	94.4	93.0
Private nonprofit	6,750	6,360	92.1	90.4
For-profit	940	890	96.3	96.3
Combined interview and transcript				
All students	18,500	17,060	82.2	73.1
Institution control				
Public	10,810	9,840	82.8	74.4
Private nonprofit	6,750	6,330	81.2	71.2
For-profit	940	890	82.1	68.3

¹ Institution characteristics were based on data from the sampling frame formed from IPEDS:2004–05 and refreshed from IPEDS:2005–06.

² The base weight was used for this column.

NOTE: Percentages were based on the unrounded count of eligible students. IPEDS = Integrated Postsecondary Education Data System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09).

B&B:08/12 sample. The B&B:08/12 sample consisted of all B&B:08/09 eligible respondents and all B&B:08/09 nonrespondents, resulting in a sample size of 17,160. Table 8 shows the distribution of the B&B:08/12 sample by prior interview response status.

Table 8. Distribution of the B&B:08/12 sample, by interview response status in NPSAS:08 and B&B:08/09: 2012

NPSAS:08 interview status	B&B:08/09 interview status	B&B:08/12 sample	
		Number	Percent
Total		17,160	100.0
Respondent	Respondent	14,830	86.4
Respondent	Nonrespondent	1,880	11.0
Nonrespondent	Respondent	220	1.3
Nonrespondent	Nonrespondent	230	1.4

NOTE: Many of the NPSAS:08 interview nonrespondents were study respondents; therefore, some NPSAS data were available. NPSAS = National Postsecondary Student Aid Study. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

There were three types of respondents in B&B:08/12, each corresponding to one of the three analysis weights created for use in this survey. A *bookend respondent* was defined as any NPSAS:08 study respondent who had a completed, partial, or abbreviated B&B:08/12 interview. A *panel respondent* refers to any NPSAS:08 study respondent who had a completed, partial, or abbreviated interview for both B&B:08/09 and B&B:08/12. A *transcript panel respondent* was a panel respondent who also had a transcript provided by the NPSAS:08 institution.

Table 9 shows the number of students sampled, the number of eligible students, and the unweighted and weighted response rates, by institution control, for the bookend, panel, and transcript panel respondents. The weighted bookend response rate was 77 percent; the weighted panel response rate was 68 percent; and the weighted transcript panel response rate was 64 percent.

Table 9. Number of B&B:08/12 sampled students and eligible students and unweighted and weighted response rates, by institution characteristics: 2012

Institution characteristics ¹	Study respondents			
	Sampled students	Eligible students	Unweighted response rate	Weighted response rate ²
Bookend cases				
All students	17,160	17,110	85.1	77.1
Institution control				
Public	9,910	9,880	85.5	78.3
Private nonprofit	6,360	6,340	84.9	74.5
For-profit	890	890	80.7	78.1
Panel cases				
All students	17,160	17,110	78.8	68.2
Institution control				
Public	9,910	9,880	79.1	69.7
Private nonprofit	6,360	6,340	79.1	66.4
For-profit	890	890	73.8	60.6
Transcript panel cases				
All students	17,160	17,010	73.9	64.1
Institution control				
Public	9,910	9,810	74.9	65.7
Private nonprofit	6,360	6,310	72.8	61.8
For-profit	890	880	71.4	59.6

¹ Institution characteristics were based on data from the sampling frame formed from IPEDS:2004–05 and refreshed from IPEDS:2005–06.

² The base weight was used for this column.

NOTE: Percentages were based on the unrounded count of eligible students. IPEDS = Integrated Postsecondary Education Data System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Chapter 3.

Interview Design, Data Collection, Outcomes, and Evaluation

The B&B:08/12 interview was designed for web and telephone administration. Sample members were primarily located using address and phone sources and were asked to complete the interview between August 2012 and April 2013. Analyses and evaluation of data from an interview field test as well as from previous full-scale B&B studies provided information for consideration when planning B&B:08/12.

3.1 Interview Design and Systems

The B&B:08/12 interview consisted of seven sections, grouped by topic. It also offered an abbreviated interview that consisted of selected questions from all sections. This section of the chapter provides the details of the interview design and systems.

3.1.1 Interview Design

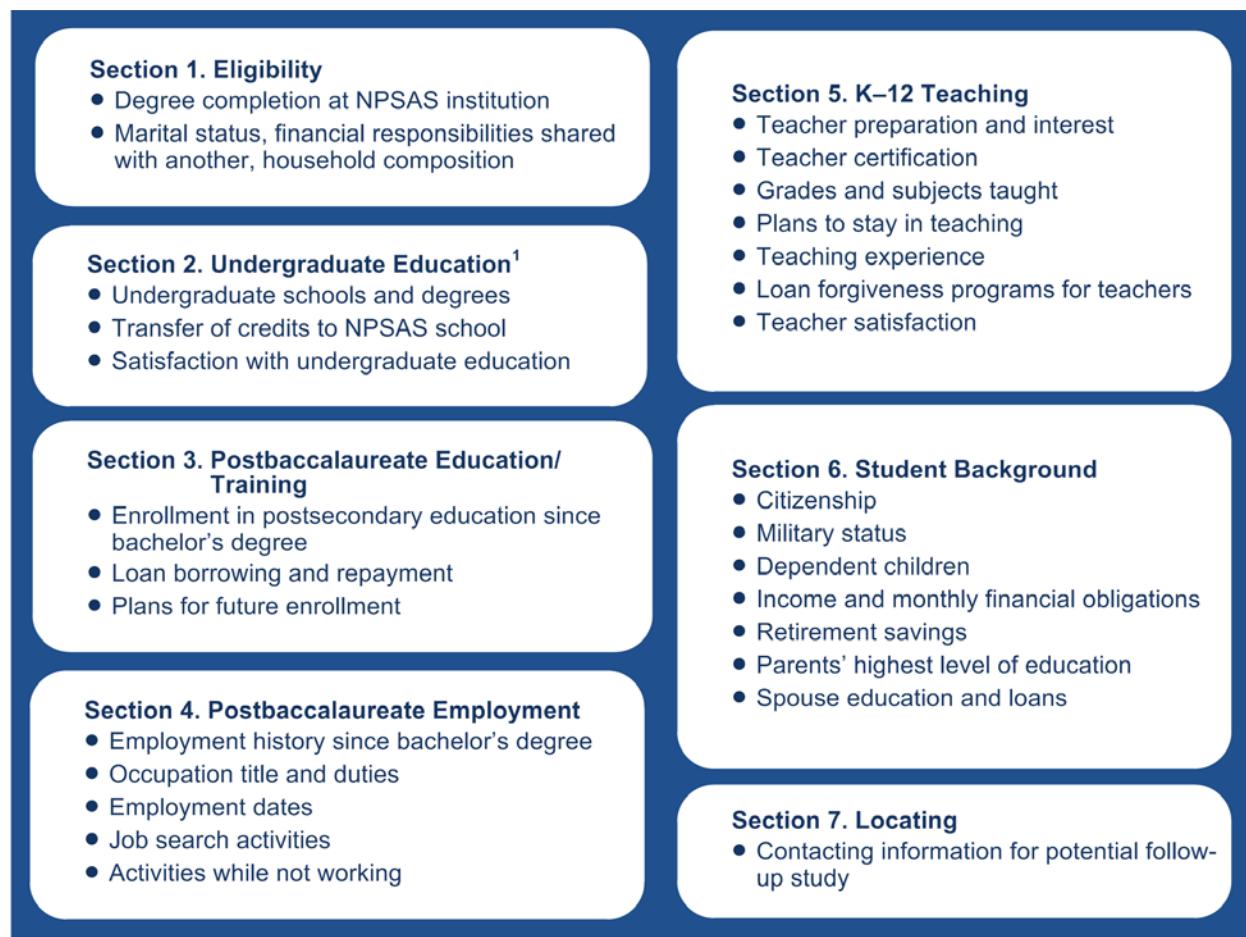
As the second follow-up survey of 2007–08 college graduates, the B&B:08/12 interview was designed to collect and update postsecondary enrollment and employment information, as well as key demographic information. The interview design incorporated longstanding questions created for the B&B:93 and B&B:2000 cohorts and the B&B:08/09 interview, in addition to new and revised items developed with input from the study’s Technical Review Panel (TRP) and NCES that were tested in the B&B:08/12 field test. For a list of TRP members, see appendix A; for a list of the final set of interview data elements, see appendix B.

Design of the full-scale interview began with a review of items asked in the field test and methodological analyses from the field test, such as interview timing, item nonresponse, and help text analysis (see appendix C for the field test facsimile and methodological analysis). This review identified items needing clarification or simplification and items to be included in cognitive testing.

The cognitive testing process elicited respondent feedback to broad themes including question terminology and relevance. Recruited respondents represented three groups of particular interest: those enrolled in postbaccalaureate education, those who graduated with a bachelor’s degree in a STEM field, and those who had prepared for or were interested in teaching at the K–12 level. Twenty-nine cognitive interviews were completed during three rounds of cognitive testing that took place between October 2011 and February 2012. Project staff monitored cognitive interviews through in-person observation and audio recording. Respondent feedback was reviewed by the B&B:08/12 TRP and NCES and used to refine interview items for the full-scale interview.

The B&B:08/12 full-scale interview consisted of seven sections, grouped by topic (figure 2). Respondents were guided through each section of the interview according to skip logic that took into account information recorded as the respondent progressed through the interview.

Figure 2. Interview sections and topics: 2012



¹ Only B&B:08/09 nonrespondents were asked these questions.

NOTE: NPSAS = National Postsecondary Student Aid Study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The following are descriptions of the seven interview sections:

1. *Eligibility.* This section determined interview eligibility for any sample member for whom eligibility status had not yet been determined. Eligible sample members completed bachelor's degree requirements at their NPSAS institution between July 1, 2007, and June 30, 2008, and were awarded the degree by June 30, 2009. To allow for interview routing for subsequent items, respondents were asked to report on their current marital status, whether they shared financial responsibilities with anyone, and household composition. Respondents who failed to meet eligibility requirements were asked to provide contact information so that project staff could review their eligibility status. After review, project staff recontacted any eligible respondents.
2. *Undergraduate Education.* The undergraduate education section was administered only to B&B:08/09 nonrespondents. This section collected the names of all colleges, universities, or trade schools attended by respondents prior to receiving a bachelor's degree from the NPSAS institution. For each institution, respondents were asked to provide dates of attendance and enrollment intensity. Respondents who reported attending multiple

undergraduate institutions were asked questions about transferring credits to the NPSAS institution. Finally, respondents were asked whether they were satisfied with their choice of major and the quality of education obtained from the NPSAS institution.

3. *Postbaccalaureate Education/Training.* This section of the interview gathered information from respondents about any postsecondary enrollment since earning their bachelor's degree. If respondents attended any schools after receiving a bachelor's degree from the NPSAS school, they were asked to provide school name(s), type of enrollment (degree or otherwise), field(s) of study, enrollment intensity, degree(s) earned, reasons for attendance, and any financial aid received. Respondents who had not enrolled since receiving a bachelor's degree were asked about their intentions for future enrollment, including whether they had taken a graduate or professional school entrance exam, planned field of study, expected enrollment intensity, and financial assistance. Students who reported receiving education loans were asked for additional information on the repayment status, loan amounts, and monthly payments for those loans.
4. *Postbaccalaureate Employment.* In the employment section, respondents were asked about all paid employment since receiving their bachelor's degree. Those who had been employed were asked a series of questions about each of their employers, including name, employment dates, job title and duties, earnings, and hours worked per week for the starting and ending jobs with that employer. Respondents were also asked additional items for up to three employers. These items include employer type, industry, benefits, relation of job to bachelor's degree, and job satisfaction. Respondents were also asked about job searches since graduating with a bachelor's degree and activities while not working.
5. *Kindergarten–12th Grade (K–12) Teaching.* All respondents were asked about their teaching experience and interest. Respondents who were not currently teaching but had prepared to teach or had considered teaching were asked to discuss any applications for teaching jobs or reasons why they had not applied to be teachers. The bulk of the section included questions for current K–12 teachers only. These questions included teacher certification type; content area certifications; teaching positions held; number and name(s) of primary and secondary schools where they had worked since graduating with a bachelor's degree; grades and subjects taught; perceived level of preparation for teaching; experiences as a K–12 teacher; earnings; hours worked per week; level of job satisfaction; plans for staying in teaching and for moving into other education-related positions; and awareness of teacher loan forgiveness programs.
6. *Student Background.* In this section, respondents were asked to provide demographic information (e.g., citizenship, military status, and number and age of any dependents). A set of financial items asked about their income and expenses, including mortgage, car, and student loans, and saving for retirement.
7. *Locating.* This section of the interview collected contact information to be used for potential follow-up studies.

B&B project staff developed an abbreviated interview that included a subset of key items from each section. The abbreviated interview was used as a treatment in the responsive design experiment described in section 3.4.7 and as a final offer to remaining nonrespondents at the end of data collection.

Interview administration. Project staff developed a single mixed-mode instrument to be administered via web and telephone. For telephone interviews, the interviewer accessed the web instrument through RTI’s Computer-Assisted Telephone Interviewing Case Management System (CATI-CMS), which prioritized cases and provided the appropriate screens and scripts to read during CATI.

Interview features. The B&B:08/12 instrument was designed to minimize differences in presentation across modes to the extent possible. For example, the self-administered web survey included features that replicated the guidance and support that a telephone interviewer would provide. To ensure that high-quality data were obtained, and to make the interview process as efficient as possible across the mixed-mode presentation, key features of the mixed-mode design included the following:

- question wording that worked in both aural and visual presentations;
- on-screen instructions for telephone interviewers that helped ensure proper and consistent oral administration of the various types of questions (e.g., whether the response options were to be read aloud);
- help text on every form in the interview to standardize terms and clarify question meaning (help text results are discussed in section 3.5.2);
- conversion text to encourage responses to critical items when these items were left unanswered (conversion text results are discussed in section 3.5.4); and
- pop-up messages to clarify any inconsistent, out-of-range, or improperly formatted values entered by respondents.

Mock scenarios were used to rigorously test the skip logic, question wording, screen layout, and overall efficiency of the instrument. Testing was conducted from a variety of internet browsers, using a range of internet connection options, and at various times of day. The instrument development process was facilitated by the use of RTI’s Hatteras system (described in detail in section 3.1.2). The use of Hatteras allowed project staff to coordinate testing efforts with NCES and communicate necessary changes.

Coding systems. Assisted coding systems (coders) were used to standardize the collection and classification of postsecondary institutions, major or field of study at postbaccalaureate institutions, occupations, and K–12 schools. Respondents or telephone interviewers entered text strings, then matched their entry with options returned from a keyword search linked to an underlying database of standardized terms. The following are descriptions of the individual coding systems and sources:

- The *postsecondary institution coder* was created from the set of institutions contained in the 2011 IPEDS, developed by NCES (<http://nces.ed.gov/ipeds/>). The IPEDS database contains all Title IV eligible institutions in the United States and its territories. For any institutions not listed in the database, respondents were asked to provide the control (e.g., public or private) and level (e.g., 2-year or 4-year) of the institution.
- The *major coder* was constructed using the 2010 Classification of Instructional Programs taxonomy, developed by NCES (<http://nces.ed.gov/ipeds/cip2010>). For any majors or fields of study not listed in the database, respondents were asked to provide a general major area and a specific discipline.

- The *occupation coder* was built from the 2010 Occupational Information Network Online (O*NET OnLine) database (<http://online.onetcenter.org>). For any occupations not listed in the database, respondents were asked to provide a general area, a specific area, and finally, a detailed classification area for the occupation.
- The *elementary and secondary school coder* (El/Sec Coder) was used to code any elementary or secondary schools where respondents taught. NCES data sources used for schools in the El/Sec Coder were the 2007–10 Private School Universe Survey for private schools (<http://nces.ed.gov/surveys/pss/>) and the 2009–12 Common Core of Data for public schools (<http://nces.ed.gov/ccd/>). Respondents were asked to indicate whether the school was public or private and to provide the city and state where it was located. The El/Sec Coder then displayed a list of possible schools, and the respondent was asked to select the correct school from the list. If the right school was not found in any of the data sources, the entered text string was retained, and respondents were asked to supply the control (e.g., public or private) of the school; the names of the school’s district, county, or both; and the highest and lowest grade levels offered at the school.

3.1.2 Data Collection Systems

The B&B:08/12 full-scale study employed several systems to collectively develop, implement, and support instrumentation and processes for data collection and reporting.

Hatteras Survey Engine and Survey Editor. The web survey instrument was developed using Hatteras, a web-based system in which project staff developed, reviewed, tested, modified, and communicated changes to specifications and code for the instrument. All information relating to the instrument was stored in a SQL Server database and was made accessible through web browser interfaces. Hatteras interfaces and tools included the following:

- *Specifications.* Hatteras provided the tools and user interface for developing interview specifications. Specification content included wording at the form, question, item, and response option levels; help text content; item-level data documentation; and form-level question administration documentation. Capabilities of the Hatteras system allowed instrument designers to import any relevant specifications used in prior studies, create skip logic and item documentation, and search a library of survey items. Instrument designers were also able to take advantage of a comprehensive comment tracking system to communicate instrument changes and testing results with programmers.

A web interface provided access for project staff at remote locations and NCES staff to test and comment on the instrument throughout its development.

- *Programming code.* For simple instrument questions and items, Hatteras automatically translated specifications into program code. For questions involving complex routing, multiple question wording or response option conditions, or nonstandard page layout or behavior, programmers entered custom programming code—HTML, JavaScript, and C#.NET script—into the Hatteras custom code interface. This code was stored in the SQL Server database, together with the instrument specifications for compilation by the survey execution engine.
- *Instrument testing and execution.* Hatteras allowed immediate testing of specification and code content via a web URL. Based on the specifications and custom code, the survey execution engine automatically handled such web instrument functions as backing up

and moving forward, recording instrument timing data, displaying critical-item wording, validating user input, displaying conditional instructions based on interview mode (web, telephone, or field), and linking to context-specific help text.

- *Survey sites and data transfer—web/telephone.* For web and telephone data collection, the Hatteras system was installed on the NCES surveys web servers and SQL Server database. Web respondents accessed the survey directly by web browser after logging in with a user ID and password or by following a supplied direct-login link. RTI's telephone interviewers accessed the same NCES web survey site by means of a web browser process launched from the CATI-CMS (described below). All connections to the NCES web interview were secured with Secure Sockets Layer (SSL) encryption. Automated processes transferred data between the NCES database and RTI's database via a secure, encrypted connection. RTI's database was housed in an Enhanced Security Network (ESN), a separate storage network that was certified to meet the standards required for protection of data classified as National Institute of Standards and Technology moderate. User access to the ESN is restricted by two-factor login security.

The systems used to support the B&B:08/12 full-scale data collection included the Integrated Management System (IMS), the Receipt Control System (RCS), CATI-CMS, and the intensive Tracing Operations System (TOPS).

IMS. All aspects of the study were monitored using the IMS, a project management tool designed to give project staff and clients ready access to a repository of reports, critical project information, and deliverables. Daily reports and management information from all the major systems across the study resided in the IMS, accessible via the web, and protected by SSL encryption and a password-protected login. The IMS contained the current project schedule; monthly progress reports; daily data collection reports and status reports (generated by RCS); project plans and specifications; project deliverables; instrument specifications; a link to the instrumentation system; staff contacts; the project bibliography; and a document archive.

RCS. RCS refers to the control system database and its integrated set of applications used to control and monitor all activities related to data collection, including tracing and locating. Through the control system applications (bundled under the name *Symphony*), project staff were able to perform such activities as e-mailing groups of sample members, preparing lead letters and follow-up mailings, sending cases for batch tracing, reviewing locating information, tracking case statuses, and viewing comments from telephone interviewers. The control system was fully integrated with both the CATI system and TOPS, such that all systems accessed sample member data from a single database. Case status changes in the interview, CATI, or TOPS systems automatically triggered updates to the RCS during overnight processes, providing seamless integration among the data collection systems as well as the ability to identify problems early and implement solutions effectively.

CATI-CMS. The CATI-CMS scheduled telephone calls to be made by telephone interviewers and tracked call outcomes. Cases who could not be located were set to a *need tracing* status, which made them available immediately for TOPS. Quality control supervisors and project managers used the CATI-CMS to manage cases based on factors such as call frequency, call outcomes, and institution sector. Managers could also re-assign cases or put cases on hold and review them as necessary. Within the CATI-CMS, telephone interviewers had the ability to send a reminder username/password e-mail to callers who wished to self-complete the interview. All data captured by telephone interviewers were entered via the CATI-CMS into the control system

database in the ESN. These data were thus immediately accessible to TOPS and other control system utilities (such as e-mail and postcard reminder generation applications).

TOPS. During data collection, TOPS allowed tracers to work with cases for whom CATI operators had been unable to locate the sample members. TOPS enabled tracers to review all of a case's data, including comments left by telephone interviewers in CATI and use various search methods to attempt to find current contact information. When TOPS found new locating data, the data were stored in the RCS, where the data became immediately available to control system utilities for reminder e-mails and letters, as well as to CATI for immediate call scheduling. If a tracer in TOPS located a sample member via telephone, the call was switched to a CATI operator for immediate interviewing. TOPS supervisors were able to manage the tracer's loads and review cases as needed.

3.2 Data Collection

B&B:08/12 student data collection included a single web-based interview in two modes: self-administered web and telephone. The data collection effort included training for telephone interviewers and supervisors; tracing and locating sample members; mail, e-mail, and telephone prompting; and refusal conversion. Telephone interviewing, help desk, and tracing activities were conducted by RTI's Call Center Services (CCS) group, housed in the Research Operations Center. Telephone interviewers assisted sample members who needed assistance with a password, or had questions about the interview, or who called in to complete the interview by phone. The interviewers also made outbound calls to sample members, prompting them to complete the interview by phone or web. The procedures are detailed in this section.

3.2.1 Study Website and Help Desk

B&B:08/12 sample members were provided with a link to the study website in all mail and e-mail communications and were referred to the website to obtain information about the study. The website provided detailed information about the study, including the study sponsor, answers to frequently asked questions (FAQs), information on confidentiality and data security procedures, findings from previous studies, links to the NCES and RTI websites, and contact information for the data collection staff. Sample members used their login credentials to access the secure website and complete the interview. Figure 3 shows the home page for the B&B:08/12 study website.

Figure 3. B&B:08/12 website home page: 2012

The screenshot shows the homepage of the B&B:08/12 website. At the top, there is a blue header bar with the "B&B" logo and the text "Baccalaureate and Beyond Longitudinal Study". Below the header, a sub-header reads "OMB Clearance No. 1850-0729 Exp. Date 6/30/2015". The main content area has a white background. It features a "Welcome to the 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B)" section with instructions for accessing the survey using a Study ID and password. A "GET STARTED!" button is present, along with input fields for "Study ID" and "Password" and a "LOGIN" button. A note below the input fields says "Need your Study ID number or password?". To the right, there is a video player titled "B&B:12 Lego Video" showing a LEGO figure holding a document, with a YouTube icon. Below the video, a caption says "View this brief video to learn more about B&B.". Further down, a note states: "If you need assistance, send an e-mail to bbemail@rti.org or call the Help Desk at 1-877-262-4440." At the bottom of the page, there is a legal notice about OMB clearance, the National Center for Education Statistics address, and logos for RTI International, IES/National Center for Education Statistics, and the U.S. Department of Education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The study website was designed in compliance with NCES web policies, which incorporate a three-tier security approach to protect all data. The first tier requires a secure login, including a unique study ID and strong password provided to sample members. The second tier protects any information entered on the website with SSL technology, which transmits only encrypted data. The third tier of security requires collected data to be stored on a secured SQL Server database that is physically separate from the web server.

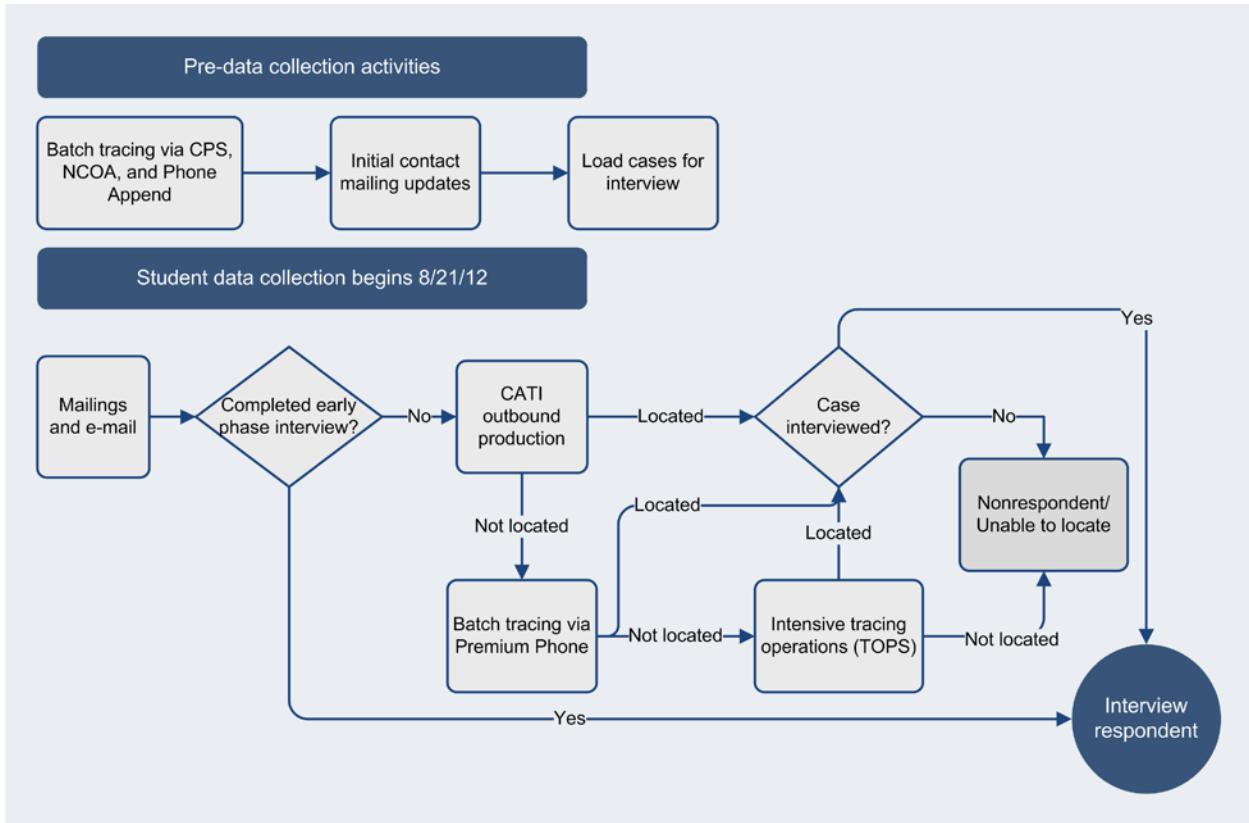
The B&B:08/12 help desk opened in conjunction with the start of data collection. A toll-free help desk number was established and staffed 7 days a week during the day and evening. Help desk staff were trained to answer questions about the study, provide technical support, and conduct telephone interviews. The help desk is further described in section 3.2.4.

3.2.2 Locating, Tracing, and Contacting Sample Members

B&B:08/12 used a multistep approach to locating, tracing, and contacting sample members, in which the most cost-effective steps were taken first to minimize the number of cases who required more expensive tracing efforts (figure 4). Prior to the start of data collection, database searches and contact information update mailings were conducted. Throughout data collection, follow-up locating methods were employed, including CATI locating and additional tracing. Sample

members who were not successfully located in batch tracing were sent to TOPS, as described in section 3.1.

Figure 4. Locating, contacting, and interviewing procedures: 2012



NOTE: CATI = computer-assisted telephone interviewing. CPS = Central Processing System. NCOA = National Change of Address.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Batch tracing. Batch database searches were conducted to update sample member contact information prior to the start of data collection. These searches were conducted for all sample members with information sufficient for matching (such as sample member name and Social Security number [SSN]), regardless of whether they already had contact information on file. The database searches used for B&B:08/12 were as follows:

- The *Central Processing System* (CPS) contains locating information for students who have applied for financial aid using the Free Application for Federal Student Aid (FAFSA).
- The *National Change of Address Database* (NCOA) contains 160 million change-of-address records submitted to the U.S. Postal Service. Data are maintained for 4 years and updated weekly.
- *Lexis Nexis (formerly FirstData) Phone Append* offers a residential telephone number search of over 170 million listings, including 6 million listings for recent relocates. Phone Append returns a telephone number based on a search by name, street address, and ZIP code.

The information obtained from these sources was merged with the information previously available from the NPSAS:08 and B&B:08/09 locator databases. An additional batch search using LexisNexis Premium Phone was conducted during data collection for cases in which all existing numbers resulted in no contact with the sample member. Premium Phone searches over 475 million landline, Voice over Internet Protocol (VoIP), and wireless numbers in the United States, Puerto Rico, and Canada.

Initial contact mailings. In July 2012, about 2 weeks before the start of the B&B:08/12 data collection, an initial contact mailing was sent to sample members and their parents to request up-to-date contact information. This mailing included a study brochure, a letter with detailed information about B&B:08/12 signed by the associate commissioner of NCES, a contact information update sheet, a business reply envelope, and instructions for updating information online. If either the sample member or parent updated or confirmed contact information, sample members were sent a \$10 check.

Data collection mailings. At the start of data collection on August 21, 2012, sample members were sent a data collection announcement mailing and e-mail. The mailing included a study brochure and a letter that announced the start of data collection. The letter, signed by both the B&B project director and the NCES project officer, informed sample members of the incentive for completing the interview, provided the study website and login credentials for accessing the web interview, and provided the study's toll-free help desk number and e-mail address. The e-mail included equivalent information, along with a direct link to the interview. Additional reminders were sent periodically to nonrespondents throughout data collection, including reminder e-mails, postcards, and letters sent in FedEx packages. (See appendix D for data collection materials.)

CATI locating. In addition to interviewing and prompting sample members to complete the interview, telephone interviewers helped locate sample members. When making outbound calls, the telephone interviewers attempted to gather locating information from parents or other contacts who answered the call. Interviewers then followed up on the leads generated by those contact attempts. If this approach was not successful, the interviewer used other information—such as previous study call records—available for the sample member and other contacts to try to locate the sample member. When the interviewer had exhausted all tracing leads available, the case was sent to intensive tracing.

TOPS. Cases who could not be located by other methods were sent to TOPS. These included cases who did not have a telephone number to load into the CATI-CMS at the start of data collection and cases for whom all known numbers resulted in a *dead end* during initial data collection efforts. Intensive tracing was divided into two tiers: TOPS-1 and TOPS-2.

The first tier (TOPS-1) searched for sample members in consumer databases by matching SSNs. Database batch searches included LexisNexis, Experian, and Accurint. If this search resulted in a new telephone lead, the case was immediately returned to CATI for follow-up by telephone interviewers, minimizing the time that cases were unavailable for outbound dialing. If the search resulted in a new address only, tracers used directory assistance searches to locate a telephone number for the contact.

In the second tier (TOPS-2), tracers searched for additional sample member information or other contacts that could provide a potential lead to the sample member. Tracing staff conducted a thorough review of each case and determined the appropriate next steps based on the leads developed from prior tracing and contacting activities. Tracers utilized consumer databases, such as

those used in TOPS-1, but targeted their search based on data from other sources. All cases not located during TOPS-1 were sent to TOPS-2.

Once located, cases were contacted and asked to complete the interview. Cases who could not be located after exhausting all leads were finalized as unlocatable.

3.2.3 Training of Data Collection Staff

The B&B:08/12 interview data collection team included telephone interviewers, quality control supervisors, quality experts, and intensive tracing staff, all of whom completed a comprehensive training program prior to beginning work on the study (table 10). Prior to project-specific training, all interview data collection staff completed a general training session, which covered call center procedures, the CATI-CMS, confidentiality procedures and sample member rights, and conversational interviewing techniques. The project-specific training sessions included instruction on the B&B:08/12 study and its purpose, case management procedures, frequently asked questions, and interactive activities designed to maximize active trainee participation (see appendix E for training materials).

Table 10. Training of data collection staff: 2012

Staff trained	Time period	Number of staff trained
Telephone interviewers, QCS, and QE	August 20–21, 2012 and October 16–18, 2012	27
Tracers	August 15, 2012	6

NOTE: QCS = quality control supervisors. QE = quality experts.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Telephone interviewers. The telephone interviewers were the primary point of contact with sample members. Their responsibilities included responding to sample member questions and concerns about the study, providing technical assistance for logging in to the web interview, gaining cooperation, averting and/or converting refusals, and conducting telephone interviews. The B&B:08/12 interviewers each had a minimum of several months' experience working on other large-scale education studies. The prior training that telephone interviewers attended included introductions to and practice in the CATI-CMS and Case Tools. Case Tools is an application that interviewing staff use to track help desk calls and e-mail sample members' survey credentials. The telephone interviewers received an additional 8-hour training program prior to beginning work on B&B:08/12. The training covered an overview of B&B:08/12, a review of the survey instrument including training and practice specific to each coder, mock interviews, guidance on providing technical support to sample members, and instruction on conversational interviewing techniques.

Training materials included a telephone interviewer manual, conversational interviewing guidelines, and frequently asked questions. Upon completion of the training, telephone interviewers were certified by completing a mock telephone interview and providing appropriate and accurate responses to frequently asked questions.

Quality control supervisors. Quality control supervisors monitored telephone interviewer performance and production, provided guidance to interviewers, and helped troubleshoot problems. Quality control supervisors attended the interviewer project training and received additional guidance on case review, problem resolution, project-specific reports, and other procedures specific to B&B:08/12.

Quality experts. Quality experts monitored interviewer performance via the Quality Evaluation System to ensure that the data collected met the highest possible quality standards. During each session, quality experts used special audiovisual stations to silently observe a percentage of all calls made by B&B interviewers. Quality experts attended interviewer project training and met regularly with project staff throughout data collection to discuss interviewing protocols and their concerns.

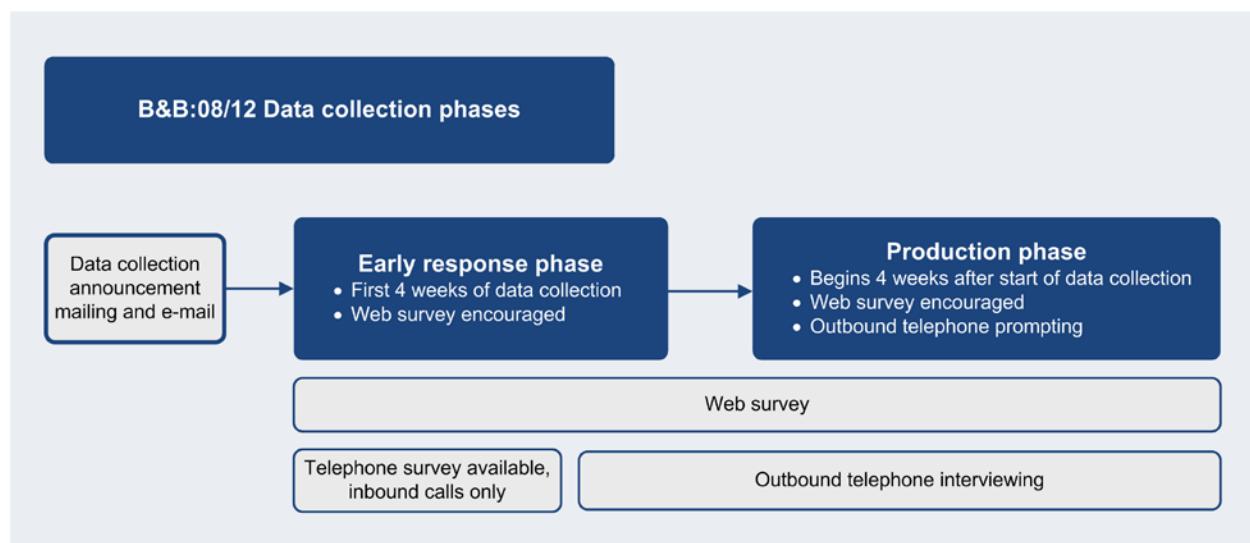
Tracing staff. Tracing staff responsibilities are described in section 3.2.2. Tracers completed a 16-hour training program on general tracing techniques, led by tracing managers within RTI's CCS. Tracers also completed two additional hours of project-specific training, including an overview of B&B:08/12, review of frequently asked questions, and tracing techniques most appropriate for locating B&B:08/12 sample members.

Additional training. Concepts from training sessions were reinforced in bi-weekly quality circle meetings, which provided a forum for brief trainings on specific topics, such as case management techniques, updates to project procedures, or strategies for administering complex interview forms. Telephone interviewers were also encouraged to ask questions, which helped identify needs for training topics for subsequent quality circle meetings. Selected staff received additional trainings on specific topics, including refusal conversion techniques. Telephone interviewers, quality control supervisors, and quality experts all received a booklet outlining best practices in managing cases and administering the B&B instrument.

3.2.4 Interviewing

B&B:08/12 interviews were conducted between August 21, 2012, and April 15, 2013. Data collection for the B&B:08/12 interview consisted of two phases: the *early response phase*, during which sample members were invited to complete the web interview, and the *production phase*, during which sample members were prompted to complete either the web or telephone interview with regular outbound phone calls, mailings, and e-mails (figure 5). This approach allowed the most responsive cases to complete the interview before beginning more expensive outbound prompting efforts.

Figure 5. Data collection phases: 2012



SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Early response phase. This phase began in August 2012 and lasted approximately 4 weeks. Sample members were invited by mail and e-mail to complete the interview on the web. A small team of telephone interviewers were available to assist inbound callers, but no outbound prompting calls were made during the early response phase. Sample members who completed the interview were eligible to receive varying incentive amounts, depending on their predicted response propensity (see section 3.4.7).

Production phase. During the production phase, telephone interviewers called sample members to encourage them to complete the interview either online or over the telephone. Sample members were also sent several mail and e-mail reminders to complete the interview. Most sample members who completed the interview during the production phase were eligible to receive the same incentive offered during the early response phase; however, some sample members' incentive offers increased throughout the data collection, as described in section 3.4.7.

Both the web and telephone versions of the interview were available to sample members throughout data collection, although the web interview was encouraged during the early response period.

Web interview. All mail and e-mail reminders sent to sample members included the URL and the sample member's unique login credentials for accessing the web interview. The web interview was available 24 hours a day, 7 days a week throughout the entire data collection.

Telephone interview. Telephone interviewers began outbound calling on September 27, 2012, approximately 4 weeks after the start of data collection. Telephone interviewers were tasked with attempting to locate sample members, gaining their cooperation, providing technical assistance, and conducting interviews.

Cases were assigned to interviewers by the CATI-CMS automated call scheduler, which assigned cases to interviewers by case type and priority, best day and time to call, and scheduled appointment times. The scheduler organized cases into queues based on a variety of factors, including the results of prior contact attempts, refusal status, and any appointments set. The CATI-CMS scheduler also automatically prioritized telephone numbers to call by which lines were most likely to result in reaching the sample member. New numbers were continuously added to the scheduler based on tracing efforts, updates received through mailings and e-mails, or leads from help desk call-ins and CATI locating efforts. The CATI scheduler reprioritized telephone numbers based on new information.

Help desk. Throughout data collection, telephone interviewers and quality control supervisors also answered calls to the toll-free help desk number. They were trained to assist sample members with a variety of issues, such as verifying the sample member's identity, looking up web interview login information for the sample member, immediately sending login credentials to sample members by e-mail, scheduling text message reminders, and updating the sample members' contact information. Because the help desk was staffed by telephone interviewers and supervisors, the help desk staff were also able to immediately conduct the telephone interview with inbound callers.

Help desk staff logged each call, recording a description of the issue and its resolution. During B&B:08/12, the help desk responded to 511 inbound calls and 92 voicemail messages—86 in English and 6 in Spanish. The most common types of help desk calls included requests for more information about the study, information on incentive checks not yet received, and requests to retrieve login credentials. To reduce the need for telephone assistance, the B&B:08/12 website

featured a *Need your study ID or Password?* link that allowed sample members to retrieve their own password or study ID immediately.

3.3 Data Collection Quality Control

A number of quality control procedures were implemented throughout the B&B:08/12 interview data collection. These procedures included frequent monitoring of telephone interviews, a help desk that tracked and resolved difficulties encountered by sample members attempting to complete the web interview, quality circle feedback meetings, and help desk agent and interviewer debriefings at the conclusion of the study.

3.3.1 Interview Monitoring

Regular monitoring of telephone interviews during B&B:08/12 data collection was conducted to meet the following data quality objectives:

- identification of problem items in the interview;
- improvement in interviewer performance through reinforcement of effective interviewing strategies;
- reduction in the number of interviewer errors; and
- assessment of the quality of the data collected.

Quality experts and project staff monitored live and recorded interviews throughout data collection, using remote monitoring telephones and computer equipment. They recorded observations on standardized monitoring forms that covered such topics as interviewer professionalism, question administration, and knowledge of the instrument. After each monitoring session, interviewers received feedback based on observations from the session. Issues identified during monitoring were frequently incorporated into quality circle meetings to improve the quality of telephone interviews. Segments of recorded interviews were also employed as training aids during project trainings and quality circle meetings.

3.3.2 Quality Circle Meetings

Quality circle meetings were held regularly throughout data collection to maintain strong communication between data collection staff and telephone interviewers, to communicate the goals and progress of the study, and to address challenges encountered along the way. These meetings provided staff with the opportunity to discuss the survey instrument, to share sample member cooperation strategies, to motivate staff toward response rate goals, and to obtain insight on various data collection issues. Quality circle meeting topics included

- updates on data collection and overall study progress;
- review and discussion of interview questions, response options, and help text;
- guidance on interviewing techniques (such as active listening);
- guidance on strategies for gaining cooperation from sample members and other contacts and general refusal conversion and aversion techniques;
- data security protocols; and
- guidance on case review activities.

After each quality circle meeting, data collection staff prepared a detailed newsletter summarizing the meeting discussion. The newsletter included updated counts of interview responses, answers to interviewers' questions, discussion of issues specific to the interview instrument, and special topics. All interviewing, tracing, and supervisory staff were required to read the newsletter.

3.3.3 Debriefing

At the end of data collection, telephone interviewers completed a debriefing questionnaire and participated in group debriefing meetings to discuss the information provided in the questionnaire. Questionnaire topics included training and communication, the interview instrument, the CATI-CMS and case management systems, and the techniques and tools for locating and contacting sample members. The results obtained from the debriefing questionnaire were discussed and successes and areas for improvement in project training and data collection were identified. For example, telephone interviewers suggested improving the training module on managing inbound calls and using more challenging practice interview scenarios in training. They also reported that the tools and support they received throughout data collection helped them to overcome the challenges associated with gaining cooperation from sample members. A debriefing report was prepared to summarize results of the debriefing and document considerations for planning future studies.

3.4 Data Collection Outcomes

This section provides the results of the B&B:08/12 interview data collection. Details of the overall interview response rate of 85 percent are included, as is a description of the success of various locating methods. A timing analysis shows that the interview, on average, took about 35 minutes to complete.

3.4.1 Student Locating Results

Overall locating and response rates for B&B:08/12 varied by several factors, including the response status in the two prior studies and the NPSAS:08 base-year institution type. Located and response rate results, by first follow-up interview response status and institution type, are shown in table 11.

Table 11. Located and interviewed status, by B&B:08/09 response status and institution type: 2012

B&B:08/09 response status and institution type	Total sample	Number of cases ¹	Located ²		Interviewed ^{2, 3}		
			Number	Percent of total	Number	Percent of located	Percent of total
Total	17,160	17,140	16,600	96.7	14,600	88.0	85.2
B&B:08/09 response status							
Respondent	15,090	15,090	14,780	98.0	13,530	91.5	89.7
Nonrespondent	2,070	2,050	1,810	87.4	1,070	59.3	52.5
Institution type							
Public							
2-year	20	20	20	100.0	20	75.0	83.3
4-year non-doctorate-granting	2,960	2,960	2,860	96.6	2,530	88.6	85.6
4-year doctorate-granting	6,930	6,920	6,720	97.0	5,940	88.3	85.8
Private nonprofit							
2-year or less	#	#	#	100.0	#	100.0	100.0
4-year non-doctorate-granting	3,380	3,370	3,270	96.7	2,890	88.5	85.8
4-year doctorate-granting	2,980	2,980	2,890	96.9	2,510	86.9	84.3
For-profit							
2-year or more	890	890	840	94.3	720	85.2	80.6

Rounds to zero.

¹ Through the course of data collection, approximately 20 sample members were found to be deceased. The deceased cases have been excluded from the final eligible sample (17,110) but are included in this analysis of data collection results.² Sample members were counted as "located" if they were ever located at some point during data collection.³ Interviewed count includes eligible sample members who met the criteria for qualification as an interview respondent, which required completing at least a partial interview.

NOTE: Percentages were unweighted. Detail may not sum to total because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

First follow-up (B&B:08/09) interview respondents were more likely than B&B:08/09 interview nonrespondents to be located and to complete the second follow-up (B&B:08/12) interview. B&B:08/09 respondents had a located rate of 98 percent in B&B:08/12, compared with only 87 percent for B&B:08/09 nonrespondents ($\chi^2 = 646.26, p < .001$). Ninety percent of all B&B:08/09 respondents completed B&B:08/12, compared with only 53 percent of B&B:08/09 nonrespondents ($\chi^2 = 1976.51, p < .001$).

Located rates for B&B:08/12 ranged from 94 percent (for sample members from for-profit 2-year or more institutions) to 100 percent (for those from public 2-year institutions). Response rates ranged from 81 percent (for sample members from for-profit 2-year or more institutions) to 100 percent (for those from private nonprofit 2-year or less institutions).

Located rates by source of locating data. Contact information for the B&B:08/12 sample was obtained and confirmed by matching with various sources of locating data. This process successfully confirmed contact information or provided new contact information for 32,240 records (36 percent). Prior to data collection, the sample was matched with CPS, NCOA, Phone Append, FAFSA, and the National Student Loan Data System (NSLDS). Premium Phone and the SSN Search were used only as needed for cases who required additional tracing efforts. Depending on the source, a matched record could have been a new or confirmed address, e-mail, or phone number. Locating results by tracing source are shown in table 12.

Table 12. Locating record match rates, by tracing source: 2012

Method of tracing	Number of records sent	Number of records matched ¹	Percent matched ²
Total	90,490	32,240	35.6
CPS	16,730	3,570	21.3
NCOA	17,100	7,760	45.4
Phone Append	17,100	13,080	76.5
Premium Phone	1,540	1,010	65.6
SSN Search	4,530	4,490	99.1
FAFSA	16,740	580	3.5
NSLDS	16,740	1,750	10.5

¹ Number of records matched includes instances when sample member contact information was confirmed and when new information was provided.

² Percentage was based on the number of records sent for batch tracing. Because records were sent to multiple tracing sources, multiple record matches were possible.

NOTE: CPS = Central Processing System. NCOA = National Change of Address. SSN = Social Security number. FAFSA = Free Application for Federal Student Aid. NSLDS = National Student Loan Data System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Located rates by contact information update. B&B:08/12 sample members (or their parents) were asked to update their contact information prior to the start of data collection. Address update requests promised a \$10 check incentive for updated information. Contact information updates were received from 7,180 sample members (42 percent) in response to the initial contact letter mailing and e-mail. If an update was received through the web or through the form sent to parents, the sample member was located during data collection almost 100 percent of the time and interviewed almost 100 percent of the time (table 13).

Table 13. Located and interviewed completion rates, by address update status: 2012

Address update status	Total	Located		Interviewed ¹	
		Number	Percent	Number	Percent
Address update provided	7,180	7,180	99.9	7,130	99.2
No address update provided	9,980	9,420	94.4	7,480	74.9

¹ Interviewed count includes eligible students who met the criteria for qualification as an interview respondent, which required completing at least a partial interview.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Cases requiring intensive tracing. Overall, about 5 percent of the 17,160 total sample members required intensive tracing (table 14). Seventeen percent of the B&B:08/09 first follow-up interview nonrespondents required intensive tracing, compared with only 3 percent of first follow-up interview respondents.

Table 14. Number and percentage of cases requiring intensive tracing, by B&B:08/09 response status and institution type: 2012

B&B:08/09 response status and institution type	Total sample	Cases requiring intensive tracing	
		Number	Percent
Total	17,160	850	4.9
B&B:08/09 response status			
Respondent	15,090	500	3.3
Nonrespondent	2,070	350	16.7
Institution type			
Public			
2-year	20	#	#
4-year non-doctorate-granting	2,960	170	5.8
4-year doctorate-granting	6,930	320	4.7
Private nonprofit			
2-year or less	#	#	#
4-year non-doctorate-granting	3,380	150	4.3
4-year doctorate-granting	2,980	140	4.8
For-profit			
2-year or more	890	60	7.0

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Among the cases assigned to intensive tracing, approximately 89 percent were located (table 15). Of those cases located through intensive tracing, about 39 percent completed the interview.

Table 15. Located and interviewed rates of cases requiring intensive tracing, by intensive tracing round: 2012

Intensive tracing round	Total cases	Located in TOPS		Interviewed ¹	
		Number	Percent of total cases	Number	Percent of located cases
Total	850	750	88.8	290	39.2
TOPS-1	850	740	87.7	290	39.3
TOPS-2 ²	260	200	78.3	60	28.2

¹ Interviewed count includes eligible students who qualified as an interview respondent, which required completing at least a partial interview.

² TOPS-2 cases were a subset of TOPS-1 cases who required additional intensive tracing efforts.

NOTE: TOPS = Tracing Operations System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.4.2 Interview Response Rates

Completed interviews by first follow-up (B&B:08/09) response status and interview type. About 95 percent of B&B:08/09 interview respondents completed a full interview, compared with 80 percent of B&B:08/09 interview nonrespondents. Eighteen percent of B&B:08/09 interview nonrespondents completed an abbreviated interview, compared with 4 percent of B&B:08/09 interview respondents (table 16).

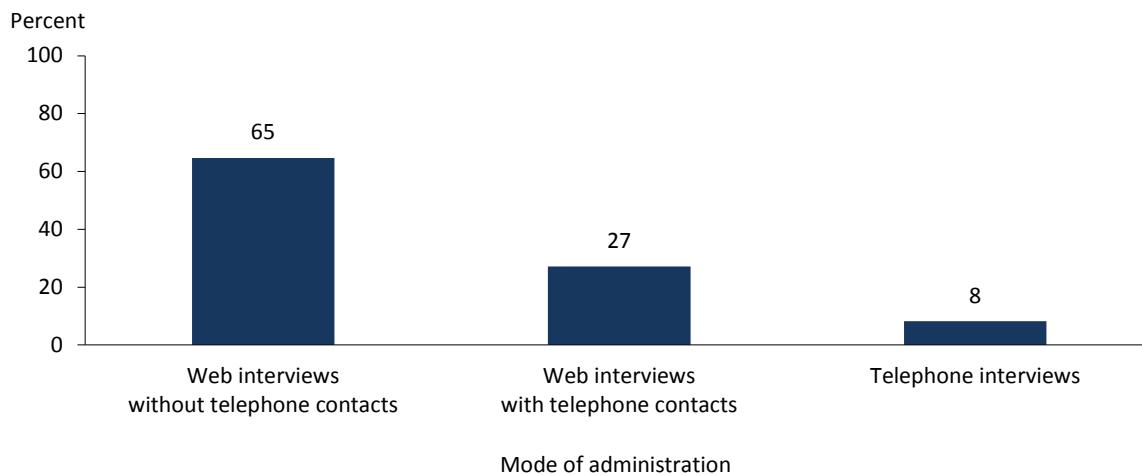
Table 16. Interview completeness, by B&B:08/09 response status and interview type: 2012

Interview type	Total	B&B:08/09 response status			
		Respondents		Nonrespondents	
		Number	Percent	Number	Percent
Total	14,600	13,530	100.0	1,070	100.0
Full interview	13,680	12,820	94.8	860	79.7
Abbreviated interview	770	580	4.3	200	18.2
Partial Interview	160	140	1.0	20	2.1

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Completed interviews by mode of administration. B&B:08/12 interviews were completed by web or by telephone. Most of the interviews—about 9,440 (65 percent)—were completed by web without telephone contact; 3,960 (27 percent) were completed by web with telephone contact; and 1,200 (8 percent) were completed by telephone (figure 6).

Figure 6. Percentage of interview respondents, by mode of administration: 2012

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Completed interviews by data collection phase. The B&B:08/12 data collection design consisted of two operational phases. The early response phase included the first 4 weeks of data collection during which there were no outbound calling activities. The majority (56 percent) of B&B:08/12 interviews were completed during the early response phase (table 17). The remaining 44 percent were completed during the production phase, which comprised the remainder of the study and was marked by the start of outbound calling. The early response phase of data collection yielded a 48 percent response rate, with 8,150 completed interviews out of 17,140 cases. The next phase of data collection, the production phase, yielded a 70 percent response rate, with 6,300 completed interviews out of the remaining 8,990 cases.

Table 17. Number and percentage of completed interviews, by data collection phase: 2012

Data collection phase	Number of cases ¹	Completed interviews	Percent of completed interviews		
			Cases in phase	Total eligible	Overall
Total	17,140	14,450	84.3	84.3	100.0
Early response phase	17,140	8,150	47.6	47.6	56.4
Production phase	8,990	6,300	70.1	36.7	43.6

¹ Through the course of data collection, approximately 20 sample members were found to be deceased. The deceased cases have been excluded from the final eligible sample (17,110) but are included in this analysis of data collection results.

NOTE: Partial interviews were not included because partially completed interviews could be resumed by sample members through the end of data collection. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.4.3 Interview Timing Burden

To assess the burden associated with completing the B&B:08/12 interview, the time required for each respondent to complete the full-scale interview was collected and analyzed. Special attention was paid to differences by mode, items with consistently high administration times, and the time required to navigate particular interview paths.

To record the time it took to complete the interview, whether administered online or by telephone, a time stamp was embedded on each web screen, or form, of the interview. A start timer recorded the clock time on a respondent's or interviewer's computer when a form was first loaded, and an end timer recorded the clock time when the *Next* button was clicked. For each form administered to a respondent, time was calculated by subtracting the start time from the end time. Total instrument time was calculated by summing the times recorded for all forms. Only cases who completed the entire interview in a single session were included in the analysis. Outliers, defined as form response times exceeding 2 standard deviations from the interview-level mean, were also excluded.

Overall, respondents took an average of 35.3 minutes to complete the B&B:08/12 interview (table 18). Web interviews averaged 34.6 minutes, while telephone interviews took significantly longer, at 43.2 minutes ($t(1,023) = 20.94, p < .001$).¹⁰ Telephone interviews required more time than web interviews for all sections, and all differences were significant: Eligibility ($t(1,080) = 20.38, p < .001$); Undergraduate Education ($t(639) = 2.73, p < .01$); Postbaccalaureate Education ($t(10,028) = 6.83, p < .001$); Postbaccalaureate Employment ($t(10,028) = 11.58, p < .001$); Teaching ($t(914) = 6.09, p < .001$); Background ($t(1,177) = 16.88, p < .001$); Locating ($t(10,028) = 18.67, p < .001$).

¹⁰ The Satterthwaite (1946) degrees of freedom approximation was used in tests with unequal variances.

Table 18. Average time, in minutes, to complete the B&B:08/12 interview, overall and by mode of administration: 2012

Interview section	Mode of administration					
	All respondents		Web		Telephone	
	Number of respondents	Average time	Number of cases	Average time	Number of cases	Average time
Total interview	10,030	35.3	9,210	34.6	820	43.2
Eligibility	10,030	0.6	9,210	0.6	820	1.0
Undergraduate Education ¹	640	2.7	550	2.6	90	3.4
Postbaccalaureate Education	10,030	6.3	9,210	6.2	820	7.4
Postbaccalaureate Employment	10,030	15.2	9,210	14.9	820	18.3
Teaching	10,030	1.6	9,210	1.5	820	2.2
Background	10,030	5.1	9,210	5.0	820	6.3
Locating	10,030	4.2	9,210	4.0	820	6.0

¹ Only B&B:08/09 nonrespondents received the Undergraduate Education section.

NOTE: The timing analysis included only cases who completed the interview in one session; partial interviews and outliers were excluded. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Interview time by path. The path respondents had followed to complete the B&B:08/12 interview varied by whether respondents had been enrolled in a degree or certificate program, whether they had any postbaccalaureate employment, and whether they had taught since receiving a bachelor's degree. It also varied by their previous interview response status.

Depending on their prior study response status, some respondents were asked questions related to study eligibility and undergraduate experiences to capture information that had been collected in earlier interviews. NPSAS:08 nonrespondents completed the interview in an average of 36.5 minutes, while NPSAS:08 respondents took an average of 35.3 minutes (table 19). B&B:08/09 nonrespondents completed the interview in an average of 37.9 minutes, while B&B:08/09 respondents took an average of 35.1 minutes.

Table 19. Average time, in minutes, to complete the B&B:08/12 interview, by prior study response status: 2012

Prior study response status	Number of respondents	Average time
NPSAS:08		
Nonrespondent	140	36.5
Respondent	9,890	35.3
B&B:08/09		
Nonrespondent	640	37.9
Respondent	9,390	35.1

NOTE: The timing analysis included only cases who completed the interview in one session; partial interviews and outliers were excluded. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

In the Postbaccalaureate Education section, respondents were asked about any additional postsecondary attendance since their last interview. The questions in this section covered both degree and certificate programs as well as nondegree coursework. Respondents who had not attended a postsecondary institution as part of a postbaccalaureate degree program or for nondegree coursework were asked about any plans for future enrollment. Respondents who had attended as part of a postbaccalaureate degree or certificate program took an average of 9.4 minutes to complete

the section, while respondents who had not attended as part of a postbaccalaureate degree or certificate program since the last interview took an average of 3.5 minutes (table 20). Respondents who were not currently attending to obtain a postbaccalaureate degree or certificate but planned to attend in the 2012–13 school year took an average of 2.7 minutes to complete the section.

Table 20. Average time, in minutes, to complete the Postbaccalaureate Education section, by attendance status: 2012

Attendance status	Number of respondents	Average time
Total	10,030	6.3
Attended for a postbaccalaureate degree or certificate	4,880	9.4
Had not attended and did not plan to attend during 2012–13 school year	4,880	3.5
Had not attended but planned to attend during 2012–13 school year	280	2.7

NOTE: The timing analysis included only cases who completed the interview in one session; partial interviews and outliers were excluded. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The Postbaccalaureate Employment section focused on the job(s) that respondents held in the years after completing a bachelor's degree. This section collected information regarding all periods of employment and unemployment since graduation, focusing on job duties, earnings, benefits, job satisfaction, and job search activities. On average, the Postbaccalaureate Employment section took 15.2 minutes to complete (table 21). Respondents who had been employed since completing their bachelor's degree (about 97 percent) spent 15.6 minutes on the Postbaccalaureate Employment section. Those who had no employment to report spent 1.3 minutes. Respondents who reported only one job took 10.2 minutes to complete, those with two or three jobs required an average of 17.9 minutes, and respondents with four or more jobs took 25.1 minutes to complete the section.

Table 21. Average time, in minutes, to complete the Postbaccalaureate Employment section, by employment status and number of jobs: 2012

Employment status and number of jobs	Number of respondents	Average time
Total	10,030	15.2
Not employed	340	1.3
Employed	9,690	15.6
1 job	3,860	10.2
2–3 jobs	4,760	17.9
4 or more jobs	1,070	25.1

NOTE: The timing analysis included only cases who completed the interview in one session; partial interviews and outliers were excluded. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The Teaching section collected information about the respondent's experiences with, or interest in, teaching at the Kindergarten through 12th-grade level (K–12). The K–12 Teaching section took an average of 1.6 minutes to complete (table 22). Respondents who had never been a teacher and were not planning or preparing to become one took an average of 30 seconds to complete the section. Respondents who were current or former teachers and those who were either considering or preparing to teach took 4.3 minutes. The latter group can be divided among current

teachers (6.6 minutes), former teachers (4.7 minutes), respondents preparing to become teachers (2.1 minutes), and respondents considering to become teachers (2.0 minutes).

Table 22. Average time, in minutes, to complete the Teaching section, by teacher status: 2012

Teacher status	Number of respondents	Average time
Total	10,030	1.6
Not a teacher and not preparing to teach or considering teaching	7,270	0.5
Current or former teacher or preparing to teach or considering teaching	2,770	4.3
Current teacher	900	6.6
Former teacher	800	4.7
Preparing to teach	650	2.1
Considering teaching	420	2.0

NOTE: The timing analysis included only cases who completed the interview in one session; partial interviews and outliers were excluded. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Average form times were compared across all forms in the instrument.¹¹ Of the forms in the B&B:08/12 interview, the current occupation coder (B12DOCC01) had the highest average observed administration time at 1.5 minutes. The time required to complete the occupation coder (and other coders in the interview) was expected, given that coders required the respondent or telephone interviewer to (1) enter text strings on the form; (2) hit *Enter* to conduct a keyword search on an underlying database; and (3) select a response from the returned list of possible matches.

Forms requiring respondents to provide specific details about their job (including starting and ending job title, salary, hours per week, and full-time vs. part-time status [B12DEMPLOY201]), and about their employer (including employer name and location [B12DEMPLOY01]), also had relatively high administration times, at 63.3 seconds and 40.3 seconds, respectively.

A calendar-style form that collected months of employment after completing a bachelor's degree through the present month (B12DWKMON01) also had high administration times. This form requested information from previous years, which required respondents to take time to recall information going back as far as July 2007 and record the responses.

Forms that collected several pieces of information on the same screen by utilizing a radio button grid also had high administration times (B12CFINAIDG01, B12CFACS, and B12ETHNキンFL). These forms required additional response time because respondents provided answers to several questions on one screen (table 23).

¹¹ Timing comparisons excluded the Locating section.

Table 23. Highest average administration times, in seconds, in the B&B:08/12 interview: 2012

Form name	Form description	Form type	Number of respondents	Average time
B12DOCC01	Job 1: occupation coder	Coder	9,400	88.8
B12DEMPLOY201	Employer grid 1: job details	Textboxes	9,890	63.3
B12CMAJ01	Postbaccalaureate school 1: primary major coder	Coder	5,030	51.7
B12DWKMON01	Employer grid 1: months worked	Calendar form	9,970	44.3
B12BSCH01	Other prebaccalaureate school 1: school coder	Coder	400	43.6
B12CFINAIDG01	Postbaccalaureate school 1: financial aid type Importance in choosing postbaccalaureate field of study	Radio button grid	5,050	43.4
B12CFACS		Radio button grid	3,480	41.8
B12ETHNキンFL	Factors that influenced teaching career	Radio button grid	2,940	41.7
B12DEMPLOY01	Employer grid 1: employer details	Textboxes	9,970	40.3
B12CSCH01	Postbaccalaureate school 1: school coder	Radio button grid	5,200	40.0

NOTE: Variables that end in "01" are items that were asked in multiple iterations, depending on the number of jobs held or schools attended. The form-level time presented here is the average for a single iteration. The timing analysis included only cases who completed or partially completed the interview in one session; outliers were excluded. Forms in the locating section were excluded. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Timing of abbreviated interview. The abbreviated version of the B&B:08/12 interview included the Eligibility section and key questions from the other sections of the interview. Only cases who completed the entire abbreviated interview in a single session were included in the timing analysis. Outliers, defined as form response times exceeding 2 standard deviations from the interview-level mean, were also excluded.

On average, the abbreviated interview took 20.2 minutes (table 24). Overall, web interviews took 19.8 minutes and were significantly shorter than telephone interviews, at 23.1 minutes ($t(87) = 3.74, p < .001$). Respondents spent the most time on the Postbaccalaureate Employment section of the abbreviated interview, as was the case with the full interview. Telephone interviews required more time than web interviews for all sections, and the following sections had significantly longer average interview lengths for telephone interviews: Eligibility ($t(117) = 2.56, p < .05$); Teaching ($t(653) = 5.49, p < .001$); Background ($t(200) = 7.78, p < .001$); and Locating ($t(653) = 5.31, p < .001$).

Table 24. Average time, in minutes, to complete the abbreviated interview, by mode of administration and interview section: 2012

Interview section	All respondents		Mode of administration			
	Number of respondents	Average time	Web		Telephone	
			Number of respondents	Average time	Number of respondents	Average time
Total interview	660	20.2	590	19.8	70	23.1
Eligibility	660	0.8	590	0.8	70	1.0
Undergraduate Education ¹	160	0.3	140	0.3	20	0.4
Postbaccalaureate Education	660	3.2	590	3.2	70	3.9
Postbaccalaureate Employment	660	7.6	590	7.5	70	8.1
Teaching	660	0.5	590	0.5	70	0.7
Background	660	1.6	590	1.6	70	2.0
Locating	660	4.0	590	3.8	70	5.6

¹ Only B&B:08/09 nonrespondents received the Undergraduate Education section.

NOTE: The timing analysis included only cases who completed the interview in one session; partial interviews and outliers were excluded. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.4.4 Telephone Interviewer Hours

B&B:08/12 telephone interviewers logged about 5,827 hours, with 897 telephone interviews completed. An average of 7 calls were made to each case overall, with prior round respondents receiving an average of 14 calls per case. Telephone interviewer hours were spent on interviewing and case management activities, which included locating and contacting sample members, prompting sample members to complete interviews, reviewing case events from current as well as prior data collections with this cohort, scheduling appointments for callbacks, recording events in the case management system, and responding to incoming calls to the help desk.

3.4.5 Number of Calls to Sample Members

The average number of calls placed per sample member varied by B&B:08/12 interview response status, prior round (B&B: 08/09) response status, and interview mode (web or telephone). B&B:08/09 interview respondents received an average of 6 calls per case, compared with 14 calls per case for B&B:08/09 nonrespondents ($t(2,493) = 32.19, p < 0.001$).

B&B:08/12 respondents required an average of 5 calls per case, with web respondents requiring an average of 4 calls and telephone respondents requiring an average of 11 calls (table 25). However, when excluding web respondents who required no calls (such as cases completed during the early response phase), web respondents required an average of 14 calls, 3 more calls on average than their telephone interview counterparts ($t(2,036) = 9.3, p < .001$). Sample members who did not respond or were ultimately excluded or determined ineligible for the B&B:08/12 interview received an average of 20 calls per case.

Table 25. Average number of calls, by response status and interview mode: 2012

Response status and interview mode	Number of cases ¹	Number of calls	Average number of calls
Total	17,140	119,870	7.0
B&B:08/09 response status			
Respondent	15,090	90,520	6.0
Nonrespondent	2,050	29,350	14.4
B&B:08/12 response status			
Respondent	14,600	68,670	4.7
Web interviews	13,410	55,390	4.1
Excluding those with no calls	3,960	55,390	14.0
Telephone interviews	1,200	13,280	11.1
Nonrespondent and exclusions	2,530	51,200	20.2

¹ Through the course of data collection, approximately 20 sample members were found to be deceased. The deceased cases have been excluded from the final eligible sample (17,110) but are included in this analysis of data collection results.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.4.6 Refusal Conversion

Strategies for converting and averting refusals were integrated into the telephone interviewer training activities and were reinforced in quality circle meetings throughout data collection. In quality circle meetings, telephone interviewers and project staff often discussed the most effective strategies for gaining and maintaining cooperation from sample members as well as the best practices for averting and converting refusals. Sample members who refused to participate were assigned to a special queue and handled only by interviewers who received specialized training on refusal conversion techniques. A total of 7 percent of all eligible cases ever refused; 33 percent of those cases eventually completed an interview (table 26).

Table 26. Refusal and refusal conversion rates, by B&B:08/09 response status and institution type: 2012

B&B:08/09 response status and institution type	Number of cases ¹	Ever refused interview		Interviewed, given refusal		
		Number	Percent of total eligible	Number	Percent of refused	Percent of total eligible
Total	17,140	1,170	6.8	380	32.8	2.2
B&B:08/09 response status						
Respondent	15,090	800	5.3	310	38.7	2.0
Nonrespondent	2,050	370	17.9	70	19.9	3.6
Institution type						
Public						
2-year	20	#	5.6	#	#	#
4-year non-doctorate-granting	2,960	200	6.8	70	36.5	2.5
4-year doctorate-granting	6,920	480	6.9	160	33.6	2.3
Private nonprofit						
2-year or less	#	#	#	#	#	#
4-year non-doctorate-granting	3,370	210	6.3	70	32.2	2.0
4-year doctorate-granting	2,980	200	6.7	60	28.0	1.9
For-profit						
2-year or more	890	70	8.0	20	#	2.6

Rounds to zero.

¹ Through the course of data collection, approximately 20 sample members were found to be deceased. The deceased cases have been excluded from the final eligible sample (17,110) but are included in this analysis of data collection results.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.4.7 Responsive Design Experiment

B&B:08/12 tested a responsive data collection design based on a multivariate distancing measure known as *Mahalanobis distance*. A key requirement of a responsive data collection design was the ability to identify nonrespondents who were most likely to contribute to nonresponse bias. The likelihood for nonresponse bias can then be reduced by increasing response among the identified cases. The Mahalanobis distance value measures the extent to which a nonrespondent differs from the average across the respondents and therefore assists in identifying target cases.

A Mahalanobis calculation based on the multivariate distance between the baseline respondent average and an individual nonrespondent was calculated at several points during the B&B:08/12 data collection. The calculation was based on the following covariates that were known or imputed for both respondents and nonrespondents:

- race/ethnicity;
- age;
- parents' education;
- marital status;
- immigrant generational status;
- disability;
- Carnegie code;

- selectivity of institution;
- baccalaureate field of study;
- enrollment in degree program;
- expected family contribution;
- SAT score;
- earned income;
- employment history;
- grade point average; and
- time to receive bachelor's degree.

Prior to the start of data collection, all sample cases were randomly assigned to control and treatment groups. Treatment group cases with a high Mahalanobis value were targeted during data collection at three points in time. At each of the three points:

- Mahalanobis values were evaluated for all remaining nonrespondents;
- a cut point was determined to distinguish low- and high-distance cases based on the Mahalanobis distribution and sample size;
- cases were assigned to low- and high-distance groups on the basis of the cut point; and
- treatment cases within the high-distance group were eligible for interventions as defined below.

Phase 1 – additional incentive. The first 3 months of data collection included web data collection and *CATI-light*, which involved a minimal number of phone calls, mainly to prompt web response. After the first 3 months, Mahalanobis values were evaluated for the remaining nonrespondents, and treatment cases above the cut point were offered a \$15 incentive in addition to their original of \$20, \$35, or \$55. Once a case became eligible for the additional \$15, it remained eligible for that amount even if it moved into the low-distance group later.

Phase 2 – \$5 prepay incentive via FedEx. After an additional month of data collection (4 months overall), Mahalanobis values were evaluated again for the remaining nonrespondents, and those treatment cases above the new cut point received a \$5 prepay incentive via FedEx.

Phase 3 – abbreviated interview. After an additional 2 months of data collection (6 months overall), Mahalanobis values were evaluated again for the remaining nonrespondents, and those treatment cases above the cut point were offered an early abbreviated interview. The experiment was closed 2 weeks before the end of data collection, and at that time all remaining nonrespondents were offered an abbreviated interview.

Several questions were used to outline the analytical framework for the full-scale experiment. The questions and the results of the related analyses are described below.

Were response rates improved among high-distance cases with the use of increased incentive amounts, a \$5 prepay via FedEx, and earlier abbreviated interviews?

Response rates were examined for the high-distance control and treatment groups to determine whether the overall response rates for the treatment and control groups differ significantly. While the goal of this approach was to minimize bias—and not necessarily

to increase response rates—a higher response rate among the treatment group was a necessary requirement for a reduction in bias. Table 27 shows the number of respondents and nonrespondents, the weighted response rate, and whether the difference between the treatment group and the control group was significant.

The weighted response rates for the treatment group were significantly higher than those for the control group during Phase 2 (13 percent vs. 5 percent) and Phase 3 (10 percent vs. 5 percent), which accounted for an overall significant difference during all three phases (30 percent vs. 21 percent).

Table 27. Weighted response rates and tests of difference of response rates within data collection time period, by Mahalanobis value and treatment vs. control group: 2012

Time period	Mahalanobis	Treatment			Control			Testing difference in response rates treatment vs. control - weighted			
		Number of respondents	Number of non-respondents	Weighted rate	Number of respondents	Number of non-respondents	Weighted rate	Difference in response rate (treatment - control)	t statistic	One-tailed p value	Two-tailed p value
Phase 1 only	High-distance minus exclusions ¹	130	610	10.9	130	690	11.7	-0.8	-0.29	0.385	0.769
Phase 1 only	Low-distance minus exclusions ¹	470	1,310	23.0	420	1,370	23.1	-0.1	-0.04	0.486	0.971
Phase 1 only	All nonrespondents at beginning of Phase 1	610	2,100	†	550	2,230	†	-0.5	-0.32	0.375	0.750
Phase 2 only	High-distance minus exclusions ¹	120	490	13.1	60	620	5.3	7.8	2.91	0.002	0.004
Phase 2 only	Low-distance minus exclusions ¹	210	1,100	12.6	220	1,150	13.7	-1.0	-0.5	0.309	0.617
Phase 2 only	All nonrespondents at beginning of Phase 2	330	1,770	†	280	1,950	†	2.7	1.84	0.034	0.067
Phase 3 only	High-distance minus exclusions ¹	60	490	10.0	50	580	5.0	5.0	1.98	0.024	0.048
Phase 3 only	Low-distance minus exclusions ¹	120	990	9.5	140	1,010	11.0	-1.5	-0.57	0.283	0.567
Phase 3 only	All nonrespondents at beginning of Phase 3	170	1,590	†	190	1,750	†	1.3	0.83	0.205	0.409
Phase 1–3	High-distance minus exclusions ¹	310	430	30.3	240	580	20.6	9.7	2.42	0.008	0.016
Phase 1–3	Low-distance minus exclusions ¹	790	990	39.1	780	1,010	40.9	-1.8	-0.58	0.281	0.562
Phase 1–3	All nonrespondents at beginning of Phase 1	1,110	1,590	†	1,030	1,750	†	2.6	1.16	0.123	0.246
All of data collection	Entire sample	7,380	1,210	†	7,230	1,350	†	-0.1	-0.06	0.475	0.949

† Not applicable.

¹ Exclusions had a final disposition code (e.g., *Out of the country*), which meant they were no longer being worked in the field.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Did outcome measures differ for high- and low-distance cases?

The Mahalanobis distance measure was used to identify cases believed to be important in terms of bias reduction. One way to assess the effectiveness of this approach was to compare outcomes between high- and low-distance cases to determine whether they were in fact different. A significant difference in outcome measures between high- and low-distance cases would indicate that the Mahalanobis model, which used the proxy variables described earlier in this section, correctly identified cases who were different from each other. Two types of outcome measures were assessed: (1) outcomes based on survey responses (available only for survey respondents) and (2) outcomes based on administrative data (available for the entire sample).

Among the survey-based outcome measures (using the bookend weight), there was a significant difference between high- and low-distance respondents for 9 out of 16 interview outcome measures (table 28). For survey respondents, high-distance cases held more jobs but spent more time unemployed since earning a bachelor's degree than low-distance cases. High-distance cases were older when they received their bachelor's degree and were more likely to have dependent children than low-distance cases.

Outcomes available for the entire sample included indicators of postbaccalaureate enrollment from NSC and federal financial aid information from the NSLDS. There were no significant differences between high- and low-distance sample members for federal aid estimates (table 29), but high-distance sample members were less likely than low-distance sample members to have enrolled in another postsecondary program or attained another postsecondary degree since their 2007–08 bachelor's degree.

Table 28. Outcome differences among survey respondents in means and tests of differences of means for survey variables, by weight and variable: 2012

Weight and variable	Label	All respondents high vs. low difference in means (high – low)
Bookend analysis weight		
B2TOTJOB	Number of jobs since bachelor's	0.38*
B2LFP12	Labor force participation in 2012	0.48*
B2CJHRS	Current or most recent job: Hours worked per week	0.02
B2CJSAL	Current or most recent job: Salary	-1092.09
B2PCEMP	Percent of time employed from bachelor's to second follow-up	-7.86*
B2PCUNEM	Percent of time unemployed from bachelor's to second follow-up	2.89*
B2PCOLF	Percent of time out of the labor force from bachelor's to second follow-up	4.98*
B2DCURL	Start of career	-0.03
AGEATBA	Derived: Age at bachelor's degree	3.63*
B2DNSF19B = 0	Job related to major: Not related	1.26
B2DNSF19B = 1	Job related to major: Closely related	-1.05
B2DNSF19B = 2	Job related to major: Somewhat related	-0.21
B2MARCH = 1	Derived: Family status in 2012: Unmarried, no children	-6.07*
B2MARCH = 2	Derived: Family status in 2012: Unmarried with children	2.25*
B2MARCH = 3	Derived: Family status in 2012: Married, no children	-2.41
B2MARCH = 4	Derived: Family status in 2012: Married with children	6.23*
Base weight		
B2TOTJOB	Number of jobs since bachelor's	0.38*
B2LFP12	Labor force participation in 2012	0.49*
B2CJHRS	Current or most recent job: Hours worked per week	0.14
B2CJSAL	Current or most recent job: Salary	-1171.62
B2PCEMP	Percent of time employed from bachelor's to second follow-up	-8.59*
B2PCUNEM	Percent of time unemployed from bachelor's to second follow-up	2.97*
B2PCOLF	Percent of time out of the labor force from bachelor's to second follow-up	5.65*
B2DCURL	Start of career	-0.05*
AGEATBA	Derived: Age at bachelor's degree	3.78*
B2DNSF19B = 0	Job related to major: Not related	2.18
B2DNSF19B = 1	Job related to major: Closely related	-2.12
B2DNSF19B = 2	Job related to major: Somewhat related	-0.06
B2MARCH = 1	Derived: Family status in 2012: Unmarried, no children	-6.42*
B2MARCH = 2	Derived: Family status in 2012: Unmarried with children	2.23*
B2MARCH = 3	Derived: Family status in 2012: Married, no children	-2.15
B2MARCH = 4	Derived: Family status in 2012: Married with children	6.34*

* p < .05.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table 29. Outcome differences among sample members in means and tests of differences of means, by administrative source variables: 2012

Administrative source variables	Total eligible sample high vs. low difference in means (high - low)
NSC	
Enrolled	-0.15*
Attained	-0.12*
NSLDS	
Total amount of student loan disbursed	-441.40
Applied for aid	-0.02
Log of total amount of student loan disbursed	-0.21

* p < .05.

NOTE: NSC = National Student Clearinghouse. NSLDS = National Student Loan Data System.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Was nonresponse bias reduced by targeting and converting high-distance cases?

The effect of the responsive design approach on unit nonresponse bias was measured by comparing nonresponse bias estimates for the treatment group with nonresponse bias estimates for the control groups. The null hypothesis is that there is no difference in unit nonresponse bias between respondents assigned to the treatment group—including high- and low-distance cases—and respondents assigned to the control group—including high- and low-distance cases.

Nonresponse bias was estimated and tested to determine if bias was significant at the $p < .05$ level for the variables in the Mahalanobis model listed earlier in this section and for the following frame variables:

- institution type;
- region;
- institution enrollment from IPEDS file (categorical);
- Pell Grant receipt (yes/no);
- Pell Grant amount (categorical);
- Stafford Loan receipt (yes/no);
- Stafford Loan amount (categorical);
- Parent Loan for Undergraduate Students (PLUS);
- federal aid receipt (yes/no);
- institution aid receipt (yes/no);
- state aid receipt (yes/no); and
- any aid receipt (yes/no).

The mean and median absolute bias were computed across the categories of these variables. Results showed that the mean absolute bias was not significantly different between the treatment group and the control group for any comparisons, indicating that the inclusion of the treated high-distance cases did not significantly reduce nonresponse bias. This result may have been due to the homogeneous population and the relatively high response rate. However, the percentage of variable categories that was significantly biased was lower in the treatment group than in the control group (table 30). For example, using the bookend weight with frame and Mahalanobis model variables, the control group had significant bias in 31 of 65 variables tested (48 percent). In comparison, the treatment group had 18 of 66 variables with significant bias (27 percent). This suggests that, while the overall measure of bias—mean absolute bias—was not significantly different between the treatment and control groups, bias may have been reduced for some individual variables.

Table 30. Summary of nonresponse bias analysis for each analysis weight, by variable and treatment/control group: 2012

Variable	Group	Total	Before nonresponse adjustment					After nonresponse adjustment			
			Mean absolute bias	95 CI of mean absolute bias ¹		Median absolute bias	Total sig	Percent sig	Mean absolute bias	Median absolute bias	Percent sig
				mean	absolute bias ¹						
Frame and M model variables											
Bookend weight	Control	65	3.66	(3.25 - 5.20)		2.85	31	47.7	2.27	1.22	9.2
	Treatment	66	3.21	(3.03 - 5.04)		2.89	18	27.3	2.37	1.25	9.1
Panel weight	Control	68	5.20	(4.93 - 7.42)		3.77	32	47.1	3.54	1.92	16.2
	Treatment	67	4.43	(3.96 - 6.69)		2.89	17	25.4	3.07	1.97	14.9
Transcript panel weight	Control	70	5.74	(5.37 - 7.96)		4.72	30	42.9	4.30	2.11	12.9
	Treatment	70	5.61	(5.01 - 7.85)		3.64	23	32.9	4.19	2.28	8.6
Frame variables											
Bookend weight	Control	33	3.79	(3.31 - 5.70)		2.95	15	45.5	1.64	1.12	#
	Treatment	34	3.88	(2.69 - 6.24)		3.37	12	35.3	1.83	1.14	#
Panel weight	Control	36	5.35	(5.23 - 8.53)		3.89	14	38.9	2.34	1.60	2.8
	Treatment	35	5.07	(4.58 - 7.96)		3.55	11	31.4	2.23	1.38	#
Transcript panel weight	Control	38	5.92	(5.63 - 9.05)		5.02	14	36.8	3.54	1.98	2.6
	Treatment	38	6.01	(4.99 - 9.21)		3.97	11	29.0	3.44	1.76	#
M model variables											
Bookend weight	Control	32	3.52	(2.71 - 5.15)		1.99	16	50.0	2.92	1.33	18.8
	Treatment	32	2.50	(1.86 - 4.36)		1.41	6	18.8	2.94	1.83	18.8
Panel weight	Control	32	5.03	(4.11 - 6.93)		2.72	18	56.3	4.89	2.36	31.3
	Treatment	32	3.72	(2.94 - 5.74)		2.11	6	18.8	3.98	2.44	31.3
Transcript panel weight	Control	32	5.53	(4.42 - 7.36)		2.81	16	50.0	5.19	2.38	25.0
	Treatment	32	5.12	(4.01 - 7.14)		2.65	12	37.5	5.08	2.55	18.8

Rounds to zero.

¹ Confidence Intervals (CI) were derived from a Monte Carlo method to estimate the standard error of the mean absolute bias.

NOTE: Variable categories with fewer than 30 nonrespondents were suppressed for calculations in this table. As a result, the number of variables included in the summary statistics changes. M = Mahalanobis. Sig = significance.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.5 Evaluation of Interview Data Quality

Evaluation of the B&B:08/12 interview items included analyses of the data collected in the instrument coders and a review of help text access rates, success rates for conversion text, and item nonresponse.

3.5.1 Instrument Coding Systems

Assisted coding systems were used to standardize data collection and code postsecondary schools attended, majors or fields of studies, occupations, and any elementary or secondary schools where the respondent may have taught. Text strings were collected from the respondent, and then a keyword search of an underlying database was conducted, allowing the respondent to select the best option from a list of possible options returned. For a description of each coder, see section 3.1.1.

Recoding. Ten percent of the major and occupation codes chosen in the interviews were randomly selected for *recoding*, a process in which expert coding staff reviewed codes. To review data and provide information for improving instrument coders in future studies, expert coding staff assessed the accuracy of codes chosen in the interview based on the text string provided by the

respondent. Across modes of administration and coders, expert coding staff generally agreed with the codes chosen for text strings in the interview. Overall, expert coding staff agreed with major and occupation codes chosen in the interview 93 percent of the time and agreed with recoded codes chosen to a new value about 4 percent of the time. They were unable to choose a code due to vague text strings about 2 percent of the time.

Neither the major nor occupation coder showed significant differences in recode rates between modes of administration. The rate of recoded values—same as original code, recoded to different value, or text string too vague to code—chosen by the expert coding staff for the major and occupation coders in the interview are shown in table 31.

Table 31. Summary of recoding results, by mode of administration and coding system: 2013

Coding system	Percent of recoding results					
	Original code confirmed		Recoded to a different value		Text string too vague to code	
	Web	Telephone	Web	Telephone	Web	Telephone
Major	96.2	97.1	1.7	2.9	2.1	#
Occupation	91.5	92.1	5.7	7.9	2.5	#

Rounds to zero.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Upcoding. In a process known as *upcoding*, project staff chose an appropriate code for any text strings provided by respondents or interviewers for which a code was not selected in the postsecondary, high school, major or field of study, and occupation coders. Text strings from web interviews generally required more upcoding than text strings from telephone interviews because interviewers received special training on coders.

The major and occupation coders showed significant differences in upcoding rates between modes of administration. The upcoding rate among web interviews (6 percent) was higher than that for telephone interviews (2 percent) ($\chi^2(1, N = 8,426) = 16.36, p < .001$) for the major coder (table 32). Three percent of web interviews required upcoding, compared with 1 percent of telephone interviews ($\chi^2(1, N = 24,114) = 46.82, p < .001$) for the occupation coder.

Table 32. Summary of upcoding results, by mode of administration and coding system: 2013

Coding system	Percent of text strings upcoded		
	Overall	Web	Telephone
IPEDS institutions	2.8	2.8	2.2
Elementary/secondary schools	13.4	13.5	12.1
Major	5.5	5.7	1.9
Occupation	3.1	3.4	0.7

NOTE: IPEDS = Integrated Postsecondary Education Data System.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.5.2 Help Text Use

Question-specific help was provided on each B&B:08/12 interview screen. The question-specific help provided definitions of key terms and phrases used in the question wording and response options and provided any other explanations thought to help clarify and standardize the meaning of questions for respondents.

The number of times that respondents accessed help text for the first time on each screen relative to the number of respondents who were administered the question determined the rate of help text access for that screen.¹² The screen-level rate of help text access was analyzed overall and by mode of interview administration to identify questions that may have been problematic for respondents. The overall mean rate of help text hits per screen was less than 1 percent on forms administered to at least 50 respondents. The mean rate of help text hits per screen was significantly higher for telephone interviews compared with web interviews, with rates of approximately 3 percent and less than 1 percent, respectively ($\chi^2(1, N = 881,642) = 3,818.26, p < 0.05$).

Twelve interview questions administered to at least 50 respondents had an overall help text access rate of 2 percent or greater (table 33). The interview question asking *Aware of TEACH Grant Program* (B12ETCHGRT) had the highest observed overall rate, at approximately 7 percent, and did not differ by mode of administration ($\chi^2(1, N = 1,785) = 1.00, p = 0.32$). The interview question with the second highest observed overall rate asked respondents to report their *Current activity since not employed* (B12DEMPOTH); this interview question had an overall rate of approximately 6 percent and did not differ by mode of administration ($\chi^2(1, N = 1,169) = 2.19, p = 0.14$).

Table 33. Interview questions with highest rates of help text access, by mode of administration: 2012

Question	Question description	Overall		Mode of administration			
		Number administered to	Percent of help text access	Number administered to	Percent of help text access	Number administered to	Percent of help text access
B12ETCHGRT	Aware of TEACH Grant Program	1,790	7.4	1,640	7.2	150	9.5
B12DEMPOTH	Current activity since not employed	1,170	6.4	1,090	6.7	80	2.5
B12CPRIVAMT	Total amount borrowed in private student loans	6,780	4.5	6,360	4.4	420	5.8
B12CPRIVRT	Private student loan interest rate	2,420	4.2	2,240	3.7	190	10.7
B12CLICFILT	Had vocational or technical certificate or industry certification or occupational license	13,640	4.2	12,560	3.3	1,080	14.6
B12ELNFRGV	Aware of teacher loan forgiveness programs	1,790	3.9	1,640	3.8	150	4.7
B12FRETIR	Retirement account types	13,640	3.6	12,560	2.9	1,080	11.8
B12CPRIVEST	Estimated amount of private student loans	220	3.6	210	3.4	20	6.3
B12AFINCON	Shares financial responsibilities with household adult	8,050	3.1	7,390	3.0	660	4.0
B12BNP2YR	Able to complete bachelor's degree without 2-year college	300	2.3	260	0.8	40	12.8
B12DCURL01	Job 1: start of career	11,200	2.2	10,330	2.2	870	2.5
B12CENEMP01	Postbaccalaureate school 1: average hours worked while attending	6,840	2.1	6,360	2.1	480	2.9

NOTE: Data were based on the rates of help text access for interviewer screens administered to a minimum of 50 respondents and in which help text was accessed at an overall rate of at least 2 percent. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Four interview questions with 2 percent or greater overall rates of help text access showed significantly higher rates of access during telephone interviews than during web interviews. These questions include the following: *Able to complete bachelor's degree without 2-year college* (B12BNP2YR) ($\chi^2(1, N = 299) = 21.54, p < 0.001$); *Had vocational or technical certificate or industry certification or occupational license* (B12CLICFILT) ($\chi^2(1, N = 13,641) = 317.0, p < 0.001$); *Private student loan interest rate*

¹² Partial interview respondents and abbreviated interview completions were excluded from this analysis.

(B12CPRIVRT) ($\chi^2(1, N = 2,424) = 20.69, p < 0.001$); and *Retirement account types* (B12FRETIR) ($\chi^2(1, N = 13,641) = 224.21, p < 0.001$).

The help text was accessible on every question through a help text button; however, some questions also offered an additional hyperlink within the question or response option text to allow access to the help text (figure 7). Whether accessed through the help button or through the hyperlink, respondents and interviewers saw the same help text that provided definitions and explanations to clarify and standardize the meaning of questions. Help text hyperlinks were only available on strategically selected questions that had potentially complex or unfamiliar terms. On some questions, the hyperlink appeared in question wording; while in other questions, the help text appeared in response option wording. (For more information on the impact of hyperlinked item text on help text use, see the field test help text experiment in appendix C.)

Figure 7. Survey item with hyperlink in question wording and help text button: 2012

Is there another adult in your household with whom you are sharing financial responsibilities and decisions, such as income, bills, and budgeting?

Yes
 No

[Previous](#) [Help with this question](#) [Next](#)

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The method through which respondents accessed help text was analyzed to identify the impact of help text hyperlinks. Because interviewers received training on help text use, this analysis included only web respondents. The data were further restricted to items that provided both a help button and a help text hyperlink, and interview questions that had an overall help text access rate of at least 2 percent overall.

Of the 56 interview questions that provided both a help text button and hyperlink for respondents to access help text, only nine of these questions had a help text access of at least 2 percent overall. Eight of the nine questions showed significantly higher rates of help text access through the help text hyperlink than through the help text button, and one showed no difference between the methods of help text access (table 34).

Table 34. Interview questions help text access, by method of access: 2012

Question	Question description	Number of respondents who accessed through hyperlink	Percent of help text access through hyperlink	Number of respondents who accessed through help text button	Percent of help text access through help text button	Mode diff. chi-square (χ^2)
B12ETCHGRT	Aware of TEACH Grant Program	120	99.2	#	0.9	114.03***
B12ELNFRGV	Aware of teacher loan forgiveness programs	60	98.4	#	1.6	58.06***
B12FRETIR	Retirement account types	340	96.9	10	3.1	307.38***
B12CLICFILT	Had vocational or technical certificate or industry certification or occupational license	370	95.9	20	4.1	327.63***
B12AFINCON	Shares financial responsibilities with household adult	200	92.6	20	7.4	156.74***
B12DCURL01	Job 1: start of career	200	91.9	20	8.1	154.86***
B12CENEMP01	Postbaccalaureate school 1: average hours worked while attending	120	91.2	10	8.8	92.24***
B12CPRIVAMT	Total amount borrowed in private student loans	230	84.4	40	15.6	129.89***
B12CPRIVRT	Private student loan interest rate	30	40.2	50	59.8	3.12

Rounds to zero.

* $p < .05$, ** $p < .01$, *** $p < .001$

NOTE: Data were based on the rates of help text access for interview screens that provided both a help text button and help text hyperlink with a help text access rate of 2 percent or greater overall. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The question with the highest observed rate of help text access via a help text hyperlink was *Estimated amount of private student loans* (B12CPRIVEST). Every web respondent who accessed help text on this question used the hyperlink available on the question wording *alternative or private loans*. The item *Total amount borrowed in private student loans* (B12CPRIVAMT) also provided a hyperlink on the question wording *alternative or private loans*; it showed a significantly higher rate of help text access through the hyperlink 84 percent of the time vs. the help text button, with a 16 percent rate of access ($\chi^2(1, N = 275) = 129.89, p < 0.001$). Five other questions provided a help text hyperlink within question wording and showed a significant difference between hyperlink and button access rates: *Shares financial responsibilities with household adult* (B12AFINCON) ($\chi^2(1, N = 216) = 156.74, p < 0.001$); *Postbaccalaureate school 1: average hours worked while attending* (B12CENEMP01) ($\chi^2(1, N = 136) = 92.24, p < 0.001$); *Job 1: start of career* (B12DCURL01) ($\chi^2(1, N = 221) = 154.86, p < 0.001$); *Aware of teacher loan forgiveness programs* (B12ELNFRGV) ($\chi^2(1, N = 62) = 58.06, p < 0.001$); and *Aware of TEACH Grant Program* (B12ETCHGRT) ($\chi^2(1, N = 118) = 114.03, p < 0.001$). For these questions, respondents used the hyperlink to access help text from 91 to 99 percent of the time.

Finally, two questions provided the help text hyperlink in the response option wording. A question asking about respondent's *Retirement account types* (B12FRETIR) ($\chi^2(1, N = 350) = 307.38, p < 0.001$) and the item *Had vocational or technical certificate or industry certification or occupational license* (B12CLICFILT) ($\chi^2(1, N = 389) = 327.63, p < 0.001$) provided help text hyperlinks on each available response option. Of respondents who accessed help text, approximately 95 percent used one of the available hyperlinks to access help text on each of these questions.

3.5.3 Item-Level Nonresponse

The rate of nonresponse was used to identify troublesome interview items and to better understand the experiences of sample members in completing the interview. Total nonresponse rates were calculated for items with missing data (including *don't know* responses) that were administered to at least 100 respondents. Overall, the item-level nonresponse analysis yielded 38 out of 602 interview items with more than 15 percent missing data.¹³

The interview items with the overall highest observed nonresponse rates were *Estimated federal student loan monthly payment* (B12CELNREST), *Estimated private student loan interest rate* (B12CPRIVREST), and *Job 1: level of education industry* (B12DEDIND01). The two estimate items (B12CELNREST and B12CPRIVREST) appeared only to respondents who earlier refused to provide a response to an original question and may explain the high nonresponse on these items. Of the 140 respondents who received the estimate item *Estimated federal student loan monthly payment* (B12CELNREST), approximately 79 percent did not provide a response. Likewise, of the 234 respondents who received the estimate item *Estimated private student loan interest rate* (B12CPRIVREST), approximately 59 percent either answered *don't know* or refused to provide a response. Approximately 1,604 respondents saw the item *Job 1: level of education industry* (B12DEDIND01), of whom 61 percent provided no response.

Twenty-five of the 38 interview items with nonresponse rates of 15 percent or greater were presented in groups as matrix questions. The number of items presented in each matrix varied. One matrix question displayed nine items including an *other category* and collected information on *postbaccalaureate school 1 aid type*. All matrix questions presented items except the *other category* and yielded levels of nonresponse that ranged from 17 to 48 percent. In addition, two other matrix questions collected information on *current activity since not employed* and *activity while not working*. These item sets displayed five and six items, respectively, and yielded nonresponse rates ranging from 18 to 29 percent.

Item-level nonresponse rates were also examined by mode of administration. There were significant differences in nonresponse rates between the web and telephone modes for 26 of the 38 interview items with more than 15 percent of data missing. All 26 items had a higher rate of nonresponse among web interviews.

The item-level nonresponses for items administered to at least 100 respondents with a rate of more than 15 percent of data missing are summarized in table 35. The table also identifies item-level nonresponse differences between the web and telephone interview modes.

¹³ Partial interview completions, missing data for interview nonrespondents, and items not available for public review (e.g., respondent contact information) were excluded from this analysis. For the interview items that had potentially multiple loops, this analysis evaluated the first loop only.

Table 35. Item nonresponse and mode differences for items with more than 15 percent of data missing: 2012

Section and item	Item label	Overall		Mode of administration				Mode diff. chi-square (χ^2)
		Number adminis- tered to	Percent missing	Number adminis- tered to	Percent missing	Number adminis- tered to	Percent missing	
Postbaccalaureate Education/ Training								
B12CELNDEST	Estimated federal student loan monthly payment	140	78.5	140	79.3	10	66.7	2.13
B12CPRIVREST	Estimated private student loan interest rate	230	58.5	190	64.2	40	31.7	4.05*
B12COTHAD01	Postbaccalaureate school 1: aid type: other	6,840	47.7	6,360	50.6	480	9.0	309.11***
B12CPRIVEST	Estimated amount of private student loans	220	42.0	210	42.3	20	37.5	0.01
B12CWRKSDY01	Postbaccalaureate school 1: aid type: work-study	6,840	41.2	6,360	43.7	480	7.1	246.26***
B12CEMPAID01	Postbaccalaureate school 1: aid type: employer assistance	6,840	37.7	6,360	40.1	480	6.3	216.08***
B12CASST01	Postbaccalaureate school 1: aid type: assistantships/fellowships	6,840	37.6	6,360	40.0	480	6.1	217.79***
B12CGIFT01	Postbaccalaureate school 1: aid type: personal loan/gift	6,840	37.6	6,360	40.0	480	6.1	217.79***
B12CPRIV01	Postbaccalaureate school 1: aid type: private student loans	6,840	35.4	6,360	37.7	480	6.1	193.89***
B12CLNELSE	Type of undergraduate loan: other	8,780	20.2	8,080	21.7	700	2.7	144.16***
B12CGRANT01	Postbaccalaureate school 1: aid type: grants/scholarships	6,840	30.6	6,360	32.5	480	5.2	155.70***
B12CALTELSE	Alternate postbaccalaureate plan: done something else	6,850	17.4	6,370	18.5	480	2.3	81.79***
B12CPOCKET01	Postbaccalaureate school 1: aid type: own money	6,840	17.1	6,360	18.2	480	2.5	77.44***
Postbaccalaureate Employment								
B12DEDIND01	Job 1: level of education industry	1,600	61.2	1,500	61.6	110	54.3	2.23
B12DNWPH01	Nonworking span 1: activity while not working: personal health issue	7,240	28.6	6,730	30.7	510	1.4	198.27***
B12DNWC001	Nonworking span 1: activity while not working: caring for family	7,240	28.5	6,730	30.5	510	1.6	193.98***
B12DNWCC01	Nonworking span 1: activity while not working: caring for children	7,240	27.3	6,730	29.2	510	1.6	181.79***
B12DCUROTH01	Job 1: job description: other	3,700	27.1	3,400	29.2	300	2.6	99.74***
B12DNWOT01	Nonworking span 1: activity while not working: something else	7,240	26.5	6,730	28.4	510	1.2	179.43***
B12DNWBK01	Nonworking span 1: activity while not working: break from work	7,240	25.5	6,730	27.3	510	1.4	166.63***
B12DEMPVOL	Current activity since not employed: currently volunteering	1,170	24.4	1,090	25.3	80	11.3	8.03**
B12DEMPTRV	Current activity since not employed: currently traveling	1,170	23.8	1,090	24.7	80	11.3	7.44**
B12DEMPDIS	Current activity since not employed: disabled	1,170	23.8	1,090	24.7	80	11.3	7.44**
B12DEMPTMP	Current activity since not employed: temp layoff	1,170	22.0	1,090	22.9	80	10.0	7.19**
B12DEMPSCH	Current activity since not employed: enrolled in school	1,170	21.6	1,090	22.3	80	11.3	5.40*
B12DEMPHIM	Current activity since not employed: home maker	1,170	19.5	1,090	20.1	80	11.3	3.73

See notes at end of table.

Table 35. Item nonresponse and mode differences for items with more than 15 percent of data missing: 2012—Continued

Section and item	Item label	Overall		Mode of administration				Mode diff. chi-square (χ^2)
		Number adminis- tered to	Percent missing	Number adminis- tered to	Percent missing	Number adminis- tered to	Percent missing	
Postbaccalaureate Employment—Continued								
B12DNWLK01	Nonworking span 1: activity while not working: looking for work	7,240	18.0	6,730	19.2	510	1.2	104.17***
B12DEMPFT201	Job grid 1: current job status	2,560	15.6	2,370	16.6	200	3.5	23.72***
Teaching								
B12EPLNTCH	Plan to teach K–12 at some time in the future	2,630	44.6	2,400	46.5	230	26.1	2.66
B12EJBETIM01	K–12 job 1: ending salary timeframe	270	18.8	250	19.8	10	#	3.42
Student Background								
B12FINSRA	Spouse's income ranges 2011	280	37.1	230	36.8	50	38.8	1.16
B12FSPLNPY	Spouse's student loans: monthly payment	2,380	25.6	2,210	25.2	170	30.2	2.00
B12FINEST	Household income ranges 2011	460	20.4	390	20.6	70	19.7	1.00
B12FDPDATMY3	Date of dependency: dependent child 3	100	19.0	90	20.9	10	7.1	1.49
B12FDPDATMY2	Date of dependency: dependent child 2	250	18.4	220	19.5	20	8.3	1.79
B12FRETOOTH	Retirement account: other	13,640	18.3	12,560	19.7	1,080	1.4	132.14***
B12FRET403B	Retirement account: 403(b)	13,640	15.9	12,560	17.1	1,080	2.5	95.91***
B12FDPDATMY1	Date of dependency: dependent child 1	450	15.4	410	16.4	40	4.9	3.82

Rounds to zero.

* $p < .05$, ** $p < .01$, *** $p < .001$

NOTE: This only includes those items that were administered to at least 100 respondents. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

3.5.4 Conversion Text

Eleven questions in the interview were considered *critical*—responses to these questions were especially important to the study. When respondents did not provide an answer to these questions and they clicked the *Next* button on the interview screen, the question was redisplayed with *conversion text* explaining the importance of that particular question to the study and emphasizing the confidential nature of responses. The text was displayed in both web and telephone modes. In telephone mode, telephone interviewers were asked to read the conversion text to respondents and then to reread the interview question. Once the conversion text was triggered, some critical questions also displayed a *don't know* response option in the event the respondent could not reliably answer.

A response conversion rate was calculated by dividing the total number of responses to the critical questions after the conversion text was displayed by the total number of cases where the conversion text was triggered. The conversion rates for the 11 critical items by mode of administration are shown in table 36.

Table 36. Conversion rates for critical items, by mode of administration: 2012

Item	Item description	Total			
		Number of cases	Number converted	Total percent converted	Percent converted to a valid response
B12CPSTGRD	Enrolled in postbaccalaureate degree or certificate program	50	50	94.0	94.0
B12DANYJOBS	Worked for pay since earning your bachelor's degree	60	60	95.1	95.2
B12DOCC01	Job 1 occupation coder	10	#	37.5	37.5
B12DSEARCH	Looking for a job	60	60	96.6	93.4
B12ECONSID	Currently considering teaching	30	30	88.2	82.4
B12ECURCRT	Currently certified as K-12 teacher	10	10	75.0	75.0
B12EEVRTCH	Taught since graduating from NPSAS	60	60	91.7	91.7
B12EJBTP01	Teaching job 1: position	20	20	75.0	75.0
B12EPREPAR	Prepared for a teaching career	70	60	95.5	95.5
B12FMTGAMT	Monthly rent or mortgage payment amount	170	120	68.8	48.2
B12FINCOM	Respondent's income in 2011	470	420	89.5	89.4
Web					
B12CPSTGRD	Enrolled in postbaccalaureate degree or certificate program	50	50	93.9	93.9
B12DANYJOBS	Worked for pay since earning your bachelor's degree	60	60	94.8	94.8
B12DOCC01	Job 1 occupation coder	10	#	42.9	42.9
B12DSEARCH	Looking for a job	60	60	96.5	96.5
B12ECONSID	Currently considering teaching	30	30	88.2	82.4
B12ECURCRT	Currently certified as K-12 teacher	10	10	75.0	75.0
B12EEVRTCH	Taught since graduating from NPSAS	60	50	91.4	91.4
B12EJBTP01	Teaching job 1: position	20	20	89.5	89.5
B12EPREPAR	Prepared for a teaching career	70	60	95.5	93.9
B12FMTGAMT	Monthly rent or mortgage payment amount	140	110	77.1	55.0
B12FINCOM	Respondent's income in 2011	410	370	90.1	90.1
Telephone					
B12CPSTGRD	Enrolled in postbaccalaureate degree or certificate program	#	#	100.0	100.0
B12DANYJOBS	Worked for pay since earning your bachelor's degree	#	#	100.0	100.0
B12DOCC01	Job 1 occupation coder	#	#	#	#
B12DSEARCH	Looking for a job	#	#	100.0	100.0
B12ECONSID	Currently considering teaching	#	#	#	#
B12ECURCRT	Currently certified as K-12 teacher	#	#	#	#
B12EEVRTCH	Taught since graduating from NPSAS	#	#	100.0	100.0
B12EJBTP01	Teaching job 1: position	10	#	20.0	20.0
B12EPREPAR	Prepared for a teaching career	#	#	#	#
B12FMTGAMT	Monthly rent or mortgage payment amount	30	10	30.0	16.7
B12FINCOM	Respondent's income in 2011	70	60	85.5	85.5

† Not applicable.

Rounds to zero.

NOTE: Partial cases were excluded from analysis. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Eighty-six percent of nonresponses to the critical items were converted to responses after the conversion text was displayed. Web interviews accounted for 880 of the 1,020 cases where conversion text was triggered and for 800 of the 880 converted cases. Telephone interviews accounted for the remaining cases where conversion text was triggered; approximately 70 of these cases were converted. Critical items administered on the web were converted at a significantly higher rate than the telephone conversion rate (88 percent vs. 70 percent) ($\chi^2(1, N = 1,018) = 36.95$, $p < .001$).

Conversion text was triggered more than 100 times for two interview questions. *Respondent's income in 2011* (B12FINCOM) triggered conversion text in 470 cases and yielded a conversion rate of 90 percent with no significant difference in mode of administration. *Monthly rent or mortgage payment amount* (B12FMTGAMT) triggered conversion text in 170 cases and produced a conversion rate of 69 percent. Web interviews for this item were converted at a rate of 77 percent, compared with telephone interviews that were converted at a rate of 30 percent ($\chi^2(1, N = 170) = 25.58, p < .001$).

3.5.5 Summary of Interview Design and Data Collection Findings

B&B:08/12 full-scale interviews were conducted from August 2012 through April 2013. Of the 17,160 sample members, 14,600 (or 85 percent) successfully completed a full or abbreviated interview or were considered to be final partial interviews completed through the grid loop of the Employment section (160 final partial interviews). Successful locating methods included matches with locating data sources such as Telematch and CPS and address update information provided by both sample members and parents of sample members. Overall, only about 5 percent of the B&B:08/12 sample required intensive tracing. Attempts to increase participation during B&B:08/12 data collection included text message reminders, paper mailout reminders, and frequent e-mail contacts.

Fifty-six percent (8,150 cases) of the surveys were completed in the early response phase (begun in August 2012 and lasting approximately 4 weeks) and 44 percent (6,300 cases) were completed in the production phase. Ninety-two percent of interviews were completed by web and 8 percent of interviews were completed by telephone. Sixty-five percent of completed web interviews required no telephone contact to encourage participation. Eighty-nine percent of first follow-up respondents completed the B&B:08/12 interview, compared with 51 percent of first follow-up nonrespondents.

The B&B:08/12 full-scale study included a data collection experiment that utilized a monetary incentive structure that ranged from \$20 to \$70 and was based on results of an experiment conducted in the field test. Sample members who completed the interview received \$20, \$35, \$50, \$55, or \$70 based on the predicted likelihood of a respondent's participation and his or her status in the responsive design experiment. The full-scale experiment was designed to evaluate RTI's ability to decrease nonresponse bias by identifying a nonrespondent's likelihood of contributing to bias should he or she remain a nonrespondent. This experiment had several key steps: identify those cases who were least like the current nonrespondents; offer targeted cases additional incentives or other treatment to increase their response propensities; and evaluate the impacts of the intervention. Utilizing the responsive design methodology, at three points throughout the data collection, individuals who were most likely to contribute to nonresponse bias were identified and offered higher monetary incentives or alternative data collection efforts.

The responsive design experiment produced mixed results. Results of the experiment showed that the \$5 prepaid incentive and the abbreviated interview offer increased response rates. Some outcome measures differed for high- and low-distance cases and between treatment and control groups, but nonresponse bias analyses did not show significant reductions in nonresponse bias between the treatment and control groups across sampling frame variables or variables included in the Mahalanobis model. Although overall nonresponse bias was not reduced by targeting and converting high-distance cases, there were fewer variable categories with significant bias in the treatment group than in the control group.

The B&B:08/12 interview was based in part on core data elements used in previous B&B interviews and was tested prior to data collection through cognitive interviewing. On average, the survey took 35.3 minutes to complete. Overall, web interviews were significantly shorter (34.6 minutes) than telephone interviews (42.6 minutes). The time required to complete the interview varied by the respondent's status as a K–12 teacher, whether the respondent had participated in additional education, and the number of jobs held after obtaining a bachelor's degree. Teachers (current, former, and those who prepared for or were interested in teaching) had a longer path through the interview, requiring, on average, 39.2 minutes to complete it. Those who had continued their education after receiving a bachelor's degree took an average of 37.0 minutes to complete the interview. Those who held four or more jobs took an average of 45.5 minutes to complete the interview, compared with 30.1 minutes for those with only one job. The abbreviated interview, administered to 730 respondents, took 20.6 minutes, on average.

Evaluation of the quality of the data provided by the B&B:08/12 survey showed that methodological features built into the instrument, such as the design of assisted coding systems, conversion text, and help text aided in the successful administration of the interview. Ninety-three percent of the codes selected by the respondent or interviewer matched the codes selected by expert coders. Eighty-six percent of the cases where conversion text was triggered in the interview were converted to a response. Help text on individual interview screens was accessed less than 1 percent of the time. The item-level nonresponse analysis yielded 38 out of 602 interview items with more than 15 percent of data missing.

Debriefing of interviewers at the end of data collection indicated that frequent monitoring of telephone interviewers, quality circle training, and feedback meetings were all useful as data collection quality control procedures. Most telephone interviewers indicated that they had all the tools necessary to successfully administer the B&B:08/12 survey and provided recommendations for future training topics, particularly focusing on gaining sample member cooperation to complete interviews.

Chapter 4.

Administrative Data Sources

The data files for B&B:08/12 contain student-level data collected from administrative databases, interviews, and transcripts. These data are available to users in two ways. For restricted data licensees, a set of fully documented restricted research files are available on a CD from NCES. For any user, tables and regression analyses can be run through the public NCES online application PowerStats, via the DataLab site at <http://nces.ed.gov/datalab/index.aspx>. PowerStats also contains variable documentation. This chapter describes the administrative databases used and details the record matching processes applied to each.

4.1 Overview of Data Sources

In addition to the interview, data collection for B&B:08/12 included record matching to the Central Processing System (CPS), the National Student Loan Data System (NSLDS), and the National Student Clearinghouse (NSC). This section provides a discussion of the observed match rates for these databases.

4.1.1 Central Processing System

The CPS files contain data provided to the U.S. Department of Education by students and their families when they complete the Free Application for Federal Student Aid (FAFSA). Successful record matching to CPS occurred only for sample members who were federal student financial aid applicants for the years requested. Matching for B&B:08/12 was to CPS data for the 2010–11, 2011–12, and 2012–13 financial aid years, using a sample member’s SSN concatenated with the first two letters of the last name to form the CPS ID. The percentage of sample members who matched to CPS for the 2010–11 academic year was about 23 percent (table 37). The rate was approximately 19 percent for 2011–12 and about 13 percent for 2012–13. This decrease in match rates year-over-year was expected, as fewer members of this cohort continue to be enrolled in postsecondary education and to apply for federal aid.

Table 37. Central Processing System matching results, by academic year: 2010–13

CPS matching results	Academic year					
	2010–11		2011–12		2012–13	
	Number	Percent	Number	Percent	Number	Percent
Total	17,160	100.0	17,160	100.0	17,160	100.0
Matched	3,930	22.9	3,280	19.1	2,240	13.0
Did not match	13,230	77.1	13,890	80.9	14,930	87.0

NOTE: CPS = Central Processing System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

4.1.2 National Student Loan Data System

At the request of the U.S. Department of Education, the NSLDS contractor performed NSLDS matching using names, SSNs, and dates of birth provided by RTI. Successful NSLDS matching could occur only for sample members who were awarded federal loans or Pell Grants. NSLDS files are historical, so information about a student’s receipt of such loans and grants was

available not only for the current academic year but also for any applicable prior years. Consequently, historical match rates reported for B&B:08/12 sample members do not necessarily reflect just the match rates for the 2012–13 academic year. The federal loan match rate was about 77 percent, and the Pell Grant match rate was about 51 percent (table 38).

Table 38. National Student Loan Data System matching results, by loan and grant type: 2012

NSLDS matching results	Federal loan		Pell Grant	
	Number	Percent	Number	Percent
Total	17,160	100.0	17,160	100.0
Matched	13,120	76.5	8,810	51.3
Did not match	4,040	23.5	8,360	48.7

NOTE: Includes matches based on all relevant academic years. NSLDS = National Student Loan Data System. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

4.1.3 National Student Clearinghouse

In addition to the CPS and NSLDS file matching, the B&B:08/12 interview nonrespondents were matched to the NSC StudentTracker database, which provides information on postsecondary enrollment, degree, and certificate records on behalf of participating postsecondary institutions. In order to perform the match, RTI supplied the NSC with SSNs, names, and dates of birth for sample members who were interview nonrespondents. Overall, a record match for a student's enrollment at any NSC-participating institution was obtained for about 45.5 percent of the B&B:08/12 nonrespondents. Match results shown in table 39 were based on enrollment and degree records from all participating institutions for the 2007–08 academic year through the 2012–13 academic year.

Table 39. National Student Clearinghouse StudentTracker matching results: 2013

NSC matching results	Number	Percent
Total	2,530	100.0
Matched	1,150	45.5
Did not match	1,380	54.5

NOTE: NSC = National Student Clearinghouse. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Chapter 5.

Data File Processing and Preparation

As described in chapter 4, the B&B:08/12 data files contain individual-level data collected from interviews and administrative databases. These files are available as restricted research files for restricted-use licensees or as publically available data through PowerStats. This chapter describes the main study data files and details the editing and data preparation process.

5.1 Main Study Data Files

The primary analysis file, from which PowerStats was constructed, contains data for 14,570 respondents. The primary analysis file contains over 2,600 variables, developed from multiple sources. Throughout the data collection period, data were processed and examined for quality control purposes. Editing of student data began shortly after the start of web data collection, when procedures and programs for this purpose were first developed. Anomalous values were investigated and resolved, where appropriate, through the use of data corrections and logical recodes. Interim files were delivered to NCES for review throughout the data collection period.

Complete data for B&B:08/12 are located in the restricted-access files and were documented by detailed codebooks. The restricted files are available to researchers who have applied for and received authorization from NCES to access the restricted-data use files. Researchers may obtain authorization by contacting the NCES Data Security Office. The restricted-use B&B:08/12 files are listed below:

NPSAS:08 and B&B:08/12 Files

- *B&B:08/12 analysis file.* Contains analytic variables derived from all B&B data sources and selected direct interview variables available as of the release of B&B:08/12 PowerStats.

/DATA/DERIVED/B12DERIVED/B12DERIVED_DATAFILE.CSV

- *NPSAS:08 analysis file.* Contains analytic variables derived from the NPSAS:08 study for the B&B:08/12 sample members.

/DATA/DERIVED/B12N8DERIVED/B12N8DERIVED_DATAFILE.CSV

- *AYP data file.* Contains Annual Yearly Progress (AYP) records from 2009–2011 for schools whose NCES School ID's were reported by respondents as schools in which they worked. There is a separate record for each school.

/DATA/SOURCE/AYP0911/B12AYP0911_DATAFILE.CSV

- *NPSAS:08 ACG/SMART Grant data file.* Contains raw grant-level data from the National Student Loan Data System for the B&B:08/12 sample members who received Academic Competitiveness Grants during the 2009–10 academic year or prior years. This is a history file with separate records for each transaction in the file.

/DATA/SOURCE/B12N8ACGSMART/B12N8ACGSMART_DATAFILE.CSV

- *NPSAS:08 ACT data file.* Contains ACT survey and score data for B&B12 sample members who matched to the 2001–02 through 2006–07ACT files.
/DATA/SOURCE/B12N8ACT/B12N8ACT_DATAFILE.CSV
- *NPSAS:08 institution data file.* Contains institution-level data for the B&B:08/12 sample members collected during 2007–08.
/DATA/SOURCE/B12N8INSTITUTION/B12N8INSTITUTION_DATAFILE.CSV
- *NPSAS:08 school info data file.* Contains institution data obtained from the NPSAS:08 student interview for the B&B:08/12 sample members. It is a student-level file with at least one record for each respondent; however, a student can have more than one record in the file. There is a separate record for each postsecondary institution students reported in the interview as somewhere they had attended during the study year (up to 5 institutions).
/DATA/SOURCE/B12N8SCHINFO/B12N8SCHINFO_DATAFILE.CSV
- *2008 National Postsecondary Student Aid Study (NPSAS:08) file.* Contains the base-year data included in the NPSAS:08 data file collected for the B&B:08/12 sample members from institutional records and from student interviews. There is a separate record for each study respondent.
/DATA/SOURCE/B12N8STUDBASE/B12N8STUDBASE_DATAFILE.CSV
- *Common Core of Data (CCD) data files.* Contains Common Core of Data (CCD) records from the academic year for schools whose NCES School ID's were reported by respondents as schools in which they worked. There is a separate record for each school.
/DATA/SOURCE/B12N8STUDBASE/CCD*
2007–08: file contains about 1,420 matched respondents
2008–09: file contains about 1,420 matched respondents
2009–10: file contains about 1,410 matched respondents
2010–11: file contains about 1,410 matched respondents
2011–12: file contains about 1,400 matched respondents
- *CPS data files.* Contains data received from the CPS for the eligible sample members who matched to the financial aid application files.
/DATA/SOURCE/CPS*
2010–11: file contains about 3,930 matched respondents
2011–12: file contains about 3,280 matched respondents
2012–13: file contains about 2,240 matched respondents
- *B&B:08/12 student interview data file.* Contains interview data collected from 14,570 B&B:08/12 respondents. Topics include eligibility, undergraduate and graduate education, employment, teaching, and student background.
/DATA/SOURCE/INTERVIEW/B12INTERVIEW_DATAFILE.CSV
- *NSLDS loan data file.* Contains raw loan-level data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.
/DATA/SOURCE/NSLDS_LOAN/B12NSLDSLOAN_DATAFILE.CSV

- *NSLDS delinquency data file.* Contains raw delinquent loan-level data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_LOAN_DELINQ/B12NSLDSDELINQ_DATAFILE.CSV

- *NSLDS deferment data file.* Contains raw loan-level deferment data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_LOAN_DFR/B12NSLDSDFR_DATAFILE.CSV

- *NSLDS consolidation data file.* Contains raw loan-level consolidation data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_LOAN_GP/B12NSLDSPGP_DATAFILE.CSV

- *NSLDS maturation history data file.* Contains raw loan-level maturation data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_LOAN_MAT/B12NSLDSMAT_DATAFILE.CSV

- *NSLDS outstanding interest balance data file.* Contains raw loan-level outstanding interest balance data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_LOAN_OIB/B12NSLDSOIB_DATAFILE.CSV

- *NSLDS outstanding principal balance data file.* Contains raw loan-level outstanding principal balance data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_LOAN_OPB/B12NSLDSOPB_DATAFILE.CSV

- *NSLDS loan repayment data file.* Contains raw loan-level repayment data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_LOAN_RPMT/B12NSLDSRPMT_DATAFILE.CSV

- *Pell grants data file.* Contains raw Pell grant data received from the National Student Loan Data System for respondents who received federal loans as of November 2012. This is a history file with separate records for each transaction in the loan files.

/DATA/SOURCE/NSLDS_PELL/B12NSLDSPELL_DATAFILE.CSV

- *Private School Survey (PSS) data file.* Contains the most recent PSS records for schools whose NCES ID was reported by B&B:08/09 respondents as schools in which they taught. There is a separate record for each school.

/DATA/SOURCE/PSS*

2007–08: file contains about 150 matched respondents

2009–10: file contains about 150 matched respondents

- *B&B:08/12 weights file.* Contains all of the sampling and analysis weights created for B&B:08/12, including transcripts (containing a separate record for each study member). This file also has all weight history variables containing intermediate weight and adjustment factors, as well as the final institution and student weights created for B&B:08/12 (containing a separate record for each study member).

/DATA/SOURCE/WEIGHTS/B12WEIGHTS_DATAFILE.CSV

B&B:08/09 Files

These files were provided as part of the B&B:08/09 ECB restricted data release, and are being re-released as part of the B&B:08/12 Restricted Use Files.

- *B&B:08/09 analysis file.* Contains analytic variables derived from all B&B data sources and selected direct interview variables available as of the initial release of B&B:08/09 PowerStats.

/B&B 2009 with PETS/datafiles/SAS/b9derived.sas7bdat

- *B&B:08/09 transcript file.* Contains analytic variables derived from B&B:08/09 transcripts.
/B&B 2009 with PETS/datafiles/SAS/trander.sas7bdat
- *B&B:08/09 weights file.* Contains all weight and variance estimation variables for B&B:08/09.
/B&B 2009 with PETS/datafiles/SAS/weights.sas7bdat

- *ACG/SMART Grant data file.* Contains raw grant-level data received from the NSLDS for the 3,440 respondents who were awarded Academic Competitiveness Grants (ACGs) or National Science and Mathematics Access to Retain Talent (SMART) Grants through 2009–10. This is a history file with separate records for each transaction in the database; therefore, there can be multiple records per case.

/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/acg_smart.sas7bdat

- *Common Core of Data (CCD) data file.* Contains the most recent CCD records (from the 2006–07 through 2008–09 academic years) for schools whose NCES ID was reported by B&B:08/09 respondents as schools in which they studied.

/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/ccd*.sas7bdat

- *B&B:08/09 coding data file.* Contains major/field of study, industry, and occupation strings collected in the B&B interview and the associated codes.

/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/coding.sas7bdat

- *CPS data files.* Contains data received from the CPS for the eligible sample members who matched to the financial aid application files.
2008–09: file contains about 4,400 matched respondents
2009–10: file contains about 4,150 matched respondents
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/cps*.sas7bdat
- *B&B:08/09 graduate institution data file.* Contains postbaccalaureate institution and degree data obtained from the B&B:08/09 interview for all respondents. This was a student-level file; however, a student can have more than one record in the file. There was a separate record for each degree obtained from each postsecondary institution that the student attended since earning a bachelor's degree.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/gschinfo.sas7bdat
- *NSLDS data file.* Contains raw loan-level data received from the NSLDS for the 13,800 respondents who were awarded loans through 2009–10. This is a history file with separate records for each transaction in the loan files; therefore, there can be multiple records per case spanning several academic years.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/loansbb.sas7bdat
- *Pell Grants data file.* Contains raw grant-level data received from the NSLDS for the 9,550 respondents who were awarded Pell Grants through 2009–10. This is a history file with separate records for each transaction in the Pell Grant system; therefore, there can be multiple records per case.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/pell.sas7bdat
- *Private School Survey (PSS) data file.* Contains the most recent PSS records (from the 2005–06 through 2007–08 academic years) for schools whose NCES ID was reported by B&B:08/09 respondents as schools in which they taught.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/pss*.sas7bdat
- *B&B:08/09 student data file.* Contains interview data collected from 15,050 respondents. Topics include eligibility, undergraduate and graduate education, employment, teaching, and student background.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/studinfo.sas7bdat
- *Teacher data file.* Contains raw grant-level data received from the NSLDS for the 30 respondents who were awarded Teacher Education Assistance for College and Higher Education (TEACH) Grants through 2009–10. This is a history file with separate records for each transaction in the database; therefore, there can be multiple records per case.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/teacher.sas7bdat
- *B&B:08/09 undergraduate institution data file.* Contains undergraduate institution and degree data obtained from the B&B:08/09 interview for all respondents. This was a student-level file; however, a student can have more than one record in the file. There was a separate record for each degree obtained from each postsecondary institution that the student attended between the time the student graduated from high school and the time the student graduated with a bachelor's degree.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/BB09/ugschinfo.sas7bdat

- *B&B:08/09 and NPSAS:08 analysis file.* Contains analytic variables derived from all B&B:08/09 and NPSAS:08 data sources and selected direct interview variables available as of the initial release of B&B:08/12 PowerStats.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/NPSAS08/b9n8der.sas7bdat
- *ACT data file.* Contains data received from ACT for the 5,390 respondents who matched to the 2001–02 through 2006–07 ACT files.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/NPSAS08/B9N8ACT.sas7bdat
- *CPS data files.* Contains data received from the CPS for the eligible sample members who matched to the financial aid application files.
2007–08: file contains about 10,490 matched respondents.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/NPSAS08/cps0708.sas7bdat
- *NPSAS:08 institution data file.* Contains selected institution-level variables for sampled institutions.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/NPAS08/np08inst.sas7bdat
- *NPSAS:08 school info file.* Contains institution data obtained from the student interview. It is a student-level file with at least one record for each respondent; however, a student can have more than one record in the file. There is a separate record for each postsecondary institution students reported in the interview as somewhere they had attended during the study year (up to 5 institutions). Perturbation procedures were applied to this file to protect against disclosure of individual information.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/NPSAS08/schinfo.sas7bdat
- *NPSAS:08 studbase data file.* Contains raw data collected from institutional records and from student interviews.
/B&B 2009 with PETS/datafiles/SAS/Source_Files/NPSAS08/studbase.sas7bdat
- *B&B:08/09 transcript courses file.* Contains course-level transcript data collected during B&B:08/09. There is a separate record for each course reported on the transcripts.
/B&B 2009 with PETS/datafiles/SAS/Source_files/Transcripts/trander.sas7bdat
- *B&B:08/09 transcript degree file.* Contains degree-level transcript data collected during B&B:08/09. There is a separate record for each degree reported on the transcripts.
/B&B 2009 with PETS/datafiles/SAS/Source_files/Transcripts/degree.sas7bdat
- *B&B:08/09 transcript institution file.* Contains institution-level transcript data collected during B&B:08/09.
/B&B 2009 with PETS/datafiles/SAS/Source_files/Transcripts/institution.sas7bdat
- *B&B:08/09 transcript student school file.* Contains student-level transcript data collected during B&B:08/09. This file contains one record per pairing of student and school. There is a separate record for each postsecondary institution reported on the transcripts as somewhere the student had attended.
/B&B 2009 with PETS/datafiles/SAS/Source_files/Transcripts/studschools.sas7bdat

- *B&B:08/09 transcript terms file.* Contains term-level transcript data collected during B&B:08/09. There is a separate record for each term reported on the transcripts.
/B&B 2009 with PETS/datafiles/SAS/Source_files/Transcripts/terms.sas7bdat

The web-based Instrument Development and Documentation System (IDADS) module of the Integrated Management System (see section 3.1.2) contains the finalized version of all interview items, their question wording, and variable and value labels, most of which were imported directly from the interview development system, Hatteras. B&B staff used IDADS for compiling all documentation for the interview. Also included were the more technical descriptions of items such as variable types (alpha or numeric), respondents to whom the item applied, and frequency distributions for response categories based on completed interview data. B&B staff used the IDADS documentation module to facilitate the generation of the final deliverable documentation for the codebooks.

5.2 Postdata Collection Editing

B&B staff edited the B&B:08/12 data using procedures developed and implemented for previous studies sponsored by NCES, including B&B:08/09. Following data collection, staff subjected the information collected in the interview to various quality control checks and examinations. For example, staff conducted these checks to confirm that the collected data reflected appropriate item routing (skip patterns). Another evaluation involved examination of all variables with missing data and substitution of specific values to indicate the reason for the missing data. The most commonly used missing codes are listed in table 40; however, for some items the missing values have different meanings. Users should refer to the codebook for information on missing values for specific variables. Additionally, reserve codes can be redefined as needed using the included data definition files.

Table 40. Description of missing data codes: 2012

Missing data code	Description
-1	Don't know
-3	Not applicable
-6	Value out of range
-7	Item not administered in the abbreviated interview
-8	Item was not reached due to an error
-9	Data missing

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

B&B staff examined skip-pattern relationships in the interview database by methodically cross-tabulating gate items and their associated nested items. In many instances, gate-nest relationships spanned multiple levels within the interview. Items nested within a gate question may themselves have been gate items for additional items. Consequently, validating the gate-nest relationships often required several iterations and many multiway cross-tabulations to ensure that the survey captured the proper data.

The data cleaning and editing process for the full-scale data files involved a multistage process that consisted of the following steps:

1. B&B staff replaced blank or missing data with -9 for all variables in the interview database. Staff reviewed a one-way frequency distribution of every variable to confirm that no missing or blank values remained. SAS formats were created from expected values, and the associated value labels revealed any categorical outliers. Staff provided descriptive statistics for all continuous variables. Staff temporarily recoded all values that were less than zero to missing and examined the minimum, median, maximum, and mean values to assess reasonableness of responses. Staff also investigated anomalous data patterns and corrected them as necessary.
2. B&B staff identified legitimate skips for the interview items using interview source codes and flowcharts. Staff defined gate-nest relationships to replace -9s (data missing, reason unknown) with -3s (not applicable), as appropriate. For example, if a student was single and had never been married, then staff assigned a -3 code to a variable that collected a spouse's income. Staff evaluated two-way cross-tabulations between each gate-nest combination; they investigated high numbers of nonreplaced -9 codes to ensure skip-pattern integrity. They further checked nested values to reveal instances in which the legitimate skip code overwrote valid data, which typically occurred if a respondent answered a gate question and the appropriate nested items but then reverted to change the value of the gate to one that opened up an alternate path of nested items. Because responses to the first nested items remained in the database, they required editing.
3. B&B staff formatted variables (e.g., they formatted dates as YYYYMM). In addition, they merged back into the data file any new codes assigned by expert coders reviewing IPEDS, high school, occupation, and major codes (including those strings that interviewers or respondents could not code during the interview). Staff reviewing string data reviewed several variables, including occupation title and duties as well as major field of study, and sanitized strings by removing any inappropriate or revealing information. At this stage, they performed logical recodes in the data when someone could determine the value of missing items from answers to previous questions or preloaded values. For example, if the interview preloaded a student's date of birth from another source (NPSAS:08, B&B:08/09, or CPS), then the interview skipped the date of birth question and copied the preloaded value into the variable.
4. B&B staff examined descriptive statistics for all continuous variables for out-of-range, or outlier, values and replaced them with the value -6 (i.e., out-of-range data).

Concurrently with data cleaning, documentation was developed to detail question text, response options, logical recoding, and the *applies to* text for each delivered variable (for documentation information, see the interview facsimile in appendix F).

5.3 Data Perturbation

To protect the confidentiality of NCES data that contain information about specific individuals and to minimize disclosure risks, B&B:08/12 data were subject to perturbation procedures. Perturbation procedures, which have been approved by the NCES Disclosure Review Board, preserve the central tendency estimates but may result in slight increases in nonsampling errors.

All respondents were given a positive probability of being selected for swapping. Perturbation was carried out under specific targeted, but undisclosed, swap rates. In data swapping, the values of the variables being swapped were exchanged between carefully selected pairs of

records: a target record and a donor record. Swapping variables were selected from all questionnaire items.

An extensive data quality check was carried out to assess and limit the impact of swapping. For example, the distribution of variables was evaluated pre- and posttreatment to verify that the swapping did not greatly affect the distribution.

5.4 Statistical Imputations

B&B staff imputed missing data in many variables included in the restricted-use derived file (also used in PowerStats) in accordance with mass imputation procedures described by Krotki, Black, and Creel (2005). After replacing missing data in those cases where values could be deduced with certainty based upon logical relationships among observed variables, the *weighted sequential hot deck* (WSHD) method was used to replace missing data by imputing plausible values from statistically selected donor cases (Cox 1980; Iannacchione 1982).

The first stage in the imputation procedure was the identification of vectors of variables that, due to their substantive similarity or shared pattern of missingness, could be imputed simultaneously. Then, variables/vectors of variables were prioritized for imputation based upon their level of missing data, imputing those variables/vectors of variables with low levels of missingness prior to imputing variables where the rate of missingness was greater. For each variable/vector of variables, B&B staff identified imputation classes from which donor cases for the hot deck procedure would be selected. To develop those classes, nonparametric classification or regression trees were used to identify homogeneous subgroups of item respondents (Breiman et al. 1984), using complete response variables and any previously imputed variables as possible predictor variables. Finally, missing data were replaced using the WSHD procedure within each of the imputation classes.

In the second stage of imputation, missing data were replaced using the WSHD procedure. To improve imputation quality, this previously described procedure using trees and WSHD was combined and implemented with the cyclic *n-partition hot deck* technique (Marker, Judkins, and Winglee 2002), as discussed in Judkins (1997).¹⁴ This technique begins by identifying and replacing initial imputations for each missing variable (ordered from least to most missingness), based upon variables with complete responses and any imputed variables as possible predictors to form the imputation classes, within which the WSHD was used. The result was a complete dataset containing the variable/vector of variables being reimputed and variables related to the development of imputation classes. Then, in each of *n* iterations, imputed data in each variable (ordered from least to most missingness) were erased and a new response was imputed based upon the otherwise complete dataset.

This approach reinforces existing patterns within the data, avoiding the need to make strong assumptions about distribution shapes or about prior distributions for parameters. Instead, B&B staff members were able to make deliberate choices about which features of the covariance structure deserve the best preservation efforts (Marker, Judkins, and Winglee 2002, p. 334). Typically, the result of cycling was a convergence to plausible values, maintaining relationships that already exist. Rarely, cycling fails to converge, introducing errors because of the missing data pattern and the random nature of the imputations.

¹⁴ David Judkins is currently referring to this as *p-cyclic partition hot deck*. He changed *n* to *p* because *n* is often used to denote the number of observations, and *p* the number of variables.

To reduce error due to imputation, B&B staff performed quality checks throughout the imputation process. In particular, staff compared the distribution of variable values pre- and postimputation, examining the data as needed to resolve apparent anomalies. Selected results from the imputation process are shown in appendix G, which shows the item response and nonresponse rates and pre- and postimputation distributions for each variable subject to imputation for all students.

5.5 Derived Variable Construction

Analysts created the main study analytic variables by examining the data available for each student from the various data sources, prioritizing the data sources on an item-by-item basis, and reconciling discrepancies within and between sources. In some cases, staff created derived variables by simple assignment of a value from the available source with the highest priority. In other cases, they recoded interview items or otherwise summarized them to create a derived variable (for a listing of the set of analysis variables derived for B&B:08/12, see appendix H). Details about the creation of each variable appear in the variable descriptions contained in the PowerStats documentation and codebooks for the restricted files.

Chapter 6.

Weighting and Variance Estimation

This chapter provides information pertaining to the weighting procedures used for B&B:08/12. The development of statistical analysis weights for the B&B:08/12 sample is discussed in section 6.1. Analysis procedures that can be used to produce design-unbiased estimates of sampling variances are discussed in section 6.2, including variances computed using Taylor series and bootstrap replication techniques. Section 6.2 also describes how the Taylor series strata and primary sampling unit (PSU) variables were constructed and how the bootstrap replicate weights were constructed. Section 6.3 provides weighted and unweighted response rates. Section 6.4 discusses the accuracy of B&B:08/12 estimates for precision and the potential for nonresponse bias.

6.1 Analysis Weights

The weights for analyzing the B&B:08/12 data were derived from the NPSAS:08 weight, because the B&B:08/12 sample members were a subset of the NPSAS:08 sample.¹⁵ Three weights were developed for analyzing data from the B&B:08/12 data collection. A cross-sectional weight was not included because analysis of the B&B:08/12 interview items would almost always be analyzed along with NPSAS:08 items, especially demographic items. One weight (*bookend*) was developed for analyzing NPSAS items in combination with B&B:08/12 items directly from or derived from the 2012 interview. A second weight (*panel*) was developed for analyzing NPSAS items in combination with B&B:08/09 items directly from or derived from the 2009 interview and B&B:08/12 items directly from or derived from the 2012 interview. A third weight (*panel transcript*) was developed for analyzing items from all three previous rounds and items directly from or derived from the transcript. The weights were adjusted for nonresponse and were also adjusted to IPEDS and NPSAS:08 control totals. This section describes the steps that were followed in order to develop each weight.

The *2007–08 National Postsecondary Student Aid Study (NPSAS:08) Full-scale Methodology Report* (Cominole et al. 2010) (hereinafter referred to as the NPSAS:08 full-scale methodology report) describes the development of the NPSAS study weight. The statistical analysis weight compensated for the unequal probability of selection of institutions and students in the NPSAS:08 sample. The weight also adjusted for multiplicity at the institution and student levels, unknown student eligibility, nonresponse, and poststratification. The institution weight was computed and then used as a component of the student weight. A weight was computed for NPSAS:08 respondents as the product of the following 10 weight components:

- institution sampling weight (WT1);
- institution multiplicity adjustment (WT2);
- institution poststratification adjustment (WT3);
- institution nonresponse adjustment (WT4);
- student sampling weight (WT5);
- student multiplicity adjustment (WT6);

¹⁵ Because the B&B:08/12 sample includes B&B:08/09 respondents and nonrespondents, B&B:08/12 weighting could not start with the adjusted B&B:08/09 weights, as they were only computed for respondents.

- student unknown eligibility adjustment (WT7);
- student not located adjustment (WT8);
- student other nonresponse adjustment (WT9); and
- student poststratification adjustment (WT10).

The B&B:08/12 sample contains both NPSAS study respondents and nonrespondents. Therefore, the B&B:08/12 base weight was formed as the product of the first seven of these adjustment factors.

The subsample of 500 NPSAS:08 interview nonrespondents was selected with probabilities proportional to the NPSAS:08 student weight. The B&B:08/12 base weight was multiplied by the inverse of this selection probability for the subsampled cases to obtain the weight for cases in the sample.

An adjustment was made for nonresponse, as defined for each analysis weight (see subsections below), using a model-based constrained logistic weighting procedure. The weights were then calibrated to IPEDS and weight sums from NPSAS:08, which had been calibrated to IPEDS and external control totals as described in the NPSAS:08 full-scale methodology report.¹⁶ The procedure WTADJUST in SUDAAN (RTI 2012) was used to implement the nonresponse and calibration adjustments. This weighting methodology is described by Folsom and Singh (2000).

The distribution of sample characteristics for refusals and other nonrespondents was reviewed to determine if a two-stage nonresponse adjustment was warranted to better reduce nonresponse bias. However, there was not a discernible difference in distributions, so one stage of nonresponse adjustment was conducted for all of the analysis weights. The adjustment for the nonresponse model included the eligible cases who were not deceased; the response indicator was set to 1 for the respondents and to 0 for nonrespondents. Independent variables were chosen that were considered to be predictive of response status and were nonmissing for respondents and nonrespondents. Variables for the model include the frame and survey design variables that were used for the NPSAS:08 weight adjustments and other data known for both the respondents and nonrespondents. Candidate predictor variables include the following:¹⁷

- institution control;
- region;
- institution enrollment from IPEDS file (categorical);
- Pell Grant receipt (yes/no);
- Pell Grant amount (categorical);
- Stafford Loan receipt (yes/no);
- Stafford Loan amount (categorical);
- Parent Loan for Undergraduate Students (PLUS) amount (categorical);
- federal aid receipt (yes/no);

¹⁶ Calibration in this chapter generally refers to adjusting the weights to weight sums, and poststratification generally refers to adjusting the weights to external totals. However, these terms are sometimes used interchangeably when referring to both types of adjustments at the same time.

¹⁷ The enrollment and financial aid amount categories were formed based on quartiles.

- institution aid receipt (yes/no);
- state aid receipt (yes/no);
- any aid receipt (yes/no);
- Social Security number indicator (yes/no);
- number of times answering machine was encountered (three levels);
- count of phone numbers available for a student;
- count of e-mail addresses available for a student; and
- count of mailing addresses available for a student.

Variables initially included in the nonresponse modeling included all of the candidate predictor variables, as well as certain important two-way and three-way interactions. To identify these interactions, a *chi-square automatic interaction detection* (CHAID) analysis was performed on the predictor variables (Kass 1980). The CHAID analysis divided the data into segments that differed with respect to the response variable. The segmentation process first divided the sample into groups based on categories of the most significant predictor of response. It then split each of these groups into smaller subgroups based on other predictor variables. It also merged categories of a variable that were found to be nonsignificant predictors of response propensity.

To ensure population coverage and consistency with NPSAS:08 and B&B:08/09, the analysis weights were further adjusted to control totals. Variables used to define the control totals were similar to those used for the poststratification adjustments for B&B:08/09. The control totals for the B&B:08/12 bookend weight were obtained using the weighted sums from NPSAS:08 (using the NPSAS:08 study weights¹⁸) for the following variables for the full B&B cohort (including ineligible and deceased students):

- number of Stafford Loan recipients by institution control;¹⁹
- total amount of Pell Grants awarded;²⁰ and
- amount of PLUS Loans awarded by institution control.

The control totals for the B&B:08/12 panel and transcript panel weights were obtained using the weighted sums from the bookend weight for the same variables.

Additionally, control totals were formed from IPEDS counts of bachelor's degree recipients for institution control, sex, and major. The following variables were used in defining control totals from IPEDS:²¹

- 2007–08 recipients of baccalaureate degree by sex;
- 2007–08 recipients of baccalaureate degree by institution control; and
- 2007–08 recipients of baccalaureate degree by major (12 categories).

¹⁸ NPSAS:08 weights were revised in August 2013. These revised weights were used to create control totals.

¹⁹ NPSAS:08 weights attempted to control to total Stafford Loan amounts disbursed in addition to the number of Stafford Loan recipients, but the B&B calibration model would not converge with both of them included. As a result, they were controlled only to the number of recipients.

²⁰ The calibration model would not converge with amount of Pell Grants awarded by institution control, so total amount of Pell Grants awarded was used instead.

²¹ The IPEDS control totals are from the HD2008 and C2008_A files and can be downloaded from the online IPEDS data center at: <http://nces.ed.gov/ipeds/datacenter/DataFiles.aspx>.

The control totals from NPSAS include cases who became ineligible or were deceased. Thus, the ineligible and deceased cases were included in the calibration adjustment to the NPSAS totals but not the IPEDS totals. After the adjustment, the ineligible and deceased cases were dropped from the file; the sum of the final weights estimates the number of the NPSAS:08 population who were eligible for B&B and were still alive at the time of the B&B:08/12 interview.

As part of the calibration process, students with extreme (outlier) weights had different bounds on their adjustment factors to accomplish weight trimming and smoothing in the same step as calibration. Extreme weights were identified as weights greater than the median weight plus 3 times the interquartile range or less than the median weight minus 3 times the interquartile range. Weight values outside of these bounds were trimmed to fall within the bounds.

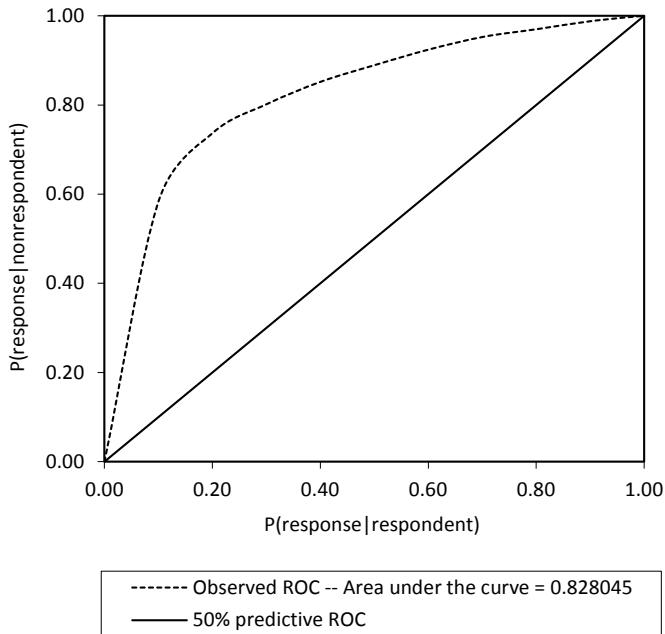
To assess the overall predictive ability of the nonresponse model, a *Receiver Operating Characteristic* (ROC) curve was used (Hanley and McNeil 1982). The ROC provides a measure of how well the model correctly classified individuals of known response type—in other words, how well the model predicts a student’s response propensity.²² The ROC curve was developed in the following manner. For any specified probability, c , two proportions were calculated:

- the proportion of respondents with a predicted probability of response greater than c ; and
- the proportion of nonrespondents with a predicted probability of response greater than c .

The plot of the first probability against the second, for c ranging from 0 to 1, resulted in the ROC curve shown in figure 8. The area under the curve equals the probability that a randomly chosen pair of observations—one respondent and one nonrespondent—will be correctly ranked. The probability of a correct pairwise ranking was the same quantity that was estimated by the nonparametric Wilcoxon statistic. The null hypothesis associated with the Wilcoxon statistic was that the variable was not a useful discriminator between the respondent and nonrespondent populations. This corresponds to the null hypothesis that the predicted response probability of a respondent was just as likely to be smaller than the predicted response probability of a nonrespondent as it was to be greater. Thus, if the null hypothesis is true, the ROC curve will be a diagonal line that reflects the equally likely chance of making a correct or incorrect decision, and the area under the curve will be 0.5. If the null hypothesis is not true, the ROC curve will rise above the diagonal, and the area under the curve will be significantly greater than 0.5.

Figure 8 in section 6.1 shows that the area under the ROC curve is 0.83, such that 83 percent of the time (about 8 of 10 pairings) the predicted probabilities of response give the correct classification. The ROC area of 0.83 equals the value of the Wilcoxon test statistic; based on this result, the null hypothesis of no predictive ability ($p < 0.05$) is rejected. This level of discrimination implies that the variables used in the model were highly informative, but not definite, predictors of a sample student’s overall response propensity.

²² For a more detailed example of the Receiver Operating Characteristic (ROC) curve used in nonresponse modeling, see Iannacchione (2003).

Figure 8. Bookend ROC curve for overall response propensity: 2012

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The weight adjustments summarized in table 41 and the following sections provide the results of the weighting process for each of the three analysis weights.

Table 41. Summary of components of the B&B:08/12 analysis weights: 2012

Weight component	Purpose
All weights	
NPSAS:08 adjustments	
Institution sampling weight	Account for the institution's probability of selection
Institution multiplicity adjustment	Adjust the weights for institutions that had multiple chances of selection
Institution poststratification adjustment	Adjust the institution weights—match population enrollment totals—ensure population coverage
Institution nonresponse adjustment	Adjust the institution weights—compensate for nonresponding institutions
Student sampling weight	Account for the student's probability of selection
Student multiplicity adjustment	Adjust the weights for students who attended more than one institution
Student unknown eligibility adjustment	Adjust the weights of nonresponding NPSAS:08 students with unknown eligibility
B&B:08/09 adjustment	
Student subsampling adjustment	Adjust the weights of the subset of NPSAS:08 interview nonrespondents who were included in the B&B:08/09 sample
Bookend analysis weight	
Bookend nonresponse adjustment	Adjust the weights—compensate for B&B:08/12 students who did not respond—NPSAS:08 or the 2012 interview
Bookend poststratification adjustment	Adjust the student weights—match NPSAS:08 weight sums and known population totals from IPEDS—ensure population coverage. Includes trimming and smoothing of the weights—reduce unequal weighting.
Panel analysis weight	
Panel nonresponse adjustment	Adjust the weights—compensate for B&B:08/12 students who did not respond—NPSAS:08 or the 2009 or 2012 interview
Panel poststratification adjustment	Adjust the student weights—match NPSAS:08 weight sums and known population totals from IPEDS—ensure population coverage. Includes trimming and smoothing of the weights—reduce unequal weighting.
Transcript panel analysis weight	
Transcript panel nonresponse adjustment	Adjust the weights—compensate for B&B:08/12 students who did not respond—NPSAS:08 or the 2009 or 2012 interview or for whom a transcript was not collected
Transcript panel poststratification adjustment	Adjust the student weights—match NPSAS:08 weight sums and known population totals from IPEDS—ensure population coverage. Includes trimming and smoothing of the weights—reduce unequal weighting.

NOTE: All adjustments in the bookend, panel, and transcript panel weights were B&B:08/12 adjustments.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

6.1.1 Bookend Analysis Weight

A B&B:08/12 bookend respondent was defined as any sample member who was determined to be eligible for the study, was not deceased at the time of the B&B:08/12 data collection, and had a completed, partial, or abbreviated interview in 2012 and was considered a study respondent for NPSAS:08. Among the eligible B&B:08 cohort, about 14,560 were classified as bookend respondents, yielding a weighted response rate of 77 percent. The B&B:08/12 sample consisted of 17,110 eligible students. At the conclusion of the B&B:08/12 data collection, 14,560 students were initially determined to be eligible respondents, 2,560 were nonrespondents, 30 were ineligible, and 20 were deceased.

Variables that made up the CHAID interaction terms were NPSAS sector, institution enrollment, geographic region, number of times an answering machine was encountered, counts of

phone numbers and e-mail addresses available for a student, Stafford Loan receipt, and PLUS amount. The initial model including all variables did not converge, requiring some variables to be dropped. Retained variables are listed in table 42.

The predictor variables used in the model to adjust the weight for nonrespondents and the average weight adjustment factors resulting from these variables are shown in table 42. The nonrespondent weight adjustment factors have the following characteristics:

- minimum: 1.00;
- median: 1.00; and
- maximum: 2.50.

Table 42. Weight adjustment factors for nonresponse for the B&B:08/12 bookend weight: 2012

Variable	Number of respondents	Weighted response rate	Average weight adjustment factor
Total	14,560	77.06	1.26
Institution control			
Public	8,450	78.31	1.24
Private nonprofit	5,390	74.52	1.29
For-profit	720	78.08	1.19
Institution region ¹			
New England	720	75.77	1.31
Mideast	2,500	72.15	1.34
Great Lakes	2,330	81.19	1.18
Plains	1,880	77.00	1.25
Southeast	3,340	77.82	1.26
Southwest	1,170	76.46	1.29
Rocky Mountains	720	84.73	1.12
Far West	1,720	76.15	1.25
Outlying areas	190	75.69	1.30
Institution enrollment size			
4,760 or fewer	3,640	78.19	1.22
4,761–13,042	3,590	72.60	1.35
13,043–27,210	3,670	75.67	1.27
27,211 or more	3,670	80.55	1.18
Pell Grant amount received			
None	8,780	76.30	1.28
\$1,580 or less	1,480	75.56	1.29
\$1,581–\$2,695	1,420	80.57	1.18
\$2,696–\$4,260	1,420	81.49	1.19
\$4,261 or more	1,460	80.19	1.21
Stafford Loan amount received			
None	6,480	74.77	1.28
\$4,410 or less	2,050	78.72	1.25
\$4,411–\$5,500	3,900	81.59	1.21
\$5,501–\$6,499	180	70.20	1.28
\$6,500 or more	1,960	77.17	1.28
PLUS amount received			
None	13,670	76.89	1.26
\$5,000 or less	230	89.78	1.10
\$5,001–\$9,396	210	68.67	1.46
9,397–\$14,000	220	78.14	1.19
\$14,001 or more	230	82.08	1.17
Federal aid recipient			
Yes	9,990	79.68	1.23
No	4,570	73.59	1.32
Institution aid recipient			
Yes	7,580	82.26	1.19
No	6,980	73.65	1.33

See notes at end of table.

Table 42. Weight adjustment factors for nonresponse for the B&B:08/12 bookend weight: 2012—Continued

Variable	Number of respondents	Weighted response rate	Average weight adjustment factor
State aid recipient			
Yes	5,930	83.23	1.19
No	8,630	74.74	1.30
Any aid recipient			
Yes	12,460	80.33	1.22
No	2,100	67.33	1.45
Preloaded Social Security number			
Yes	14,260	77.68	1.25
No	300	61.67	1.57
Count of answering machine encounters			
0	10,140	92.13	1.08
1 or 2	950	72.69	1.32
More than 2	3,470	55.22	1.76
Count of phone numbers			
0	120	17.96	1.77
1	2,320	67.22	1.59
2	5,560	80.13	1.23
More than 2	6,570	84.04	1.15
Count of e-mail addresses			
0	40	8.42	2.25
1	2,890	63.34	1.75
2	5,340	82.10	1.20
More than 2	6,290	93.02	1.07
Count of mailing addresses			
0	10	4.07	2.05
1	3,410	70.89	1.44
2	5,640	77.29	1.26
More than 2	5,500	84.82	1.13

¹New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

NOTE: Categories were formed from continuous variables based on quartiles. PLUS = Parent Loan for Undergraduate Students.

Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The variables used for the calibration, the values of the control totals, and the average weight adjustment factors for each variable are shown in table 43. The last column of table 43 shows the sum of the weights after removing the cases who were ineligible or deceased at the time of the B&B:08/12 data collection. Statistics for the weight adjustment factors are the following:

- minimum: 0.08;
- median: 1.55; and
- maximum: 9.32.

The response-adjusted, calibrated interview weight is the variable WTD000 on the data file.

Table 43. Control totals, weight adjustment factors, and sum of weights for eligible cases for the B&B:08/12 bookend weight raking: 2012

Variable	Control totals	Average weight adjustment factor	Sum of final weights for eligible cases
Total	1,983,964	1.51	1,662,275
Stafford Loan amount received			
Total	5,169,849,355	1.40	4,345,128,835
Stafford Loan recipient, by institution control			
Public	509,971	1.27	425,339
Private nonprofit	315,584	1.31	279,334
For-profit	50,811	3.18	48,517
Pell Grant amount received, by institution control			
Public	764,150,001	1.20	606,292,487
Private nonprofit	362,131,430	1.26	313,699,659
For-profit	44,300,627	2.83	42,995,268
PLUS Loan amount received, by institution control			
Public	497,893,210	1.28	429,836,705
Private nonprofit	667,248,737	1.37	615,762,989
For-profit	23,694,693	3.27	23,455,401
Interview respondent			
Total	1,662,275	1.51	1,662,275
Institution control			
Public	1,044,858	1.40	1,044,858
Private nonprofit	540,683	1.47	540,683
For-profit	76,734	3.23	76,734
Sex			
Male	707,336	1.55	707,336
Female	954,939	1.49	954,939
Major			
Missing/unknown	377	0.14	377
Liberal arts	263,613	2.00	263,613
Psychology/history	262,980	1.69	262,980
Biology	173,648	0.78	84,120
Physical sciences	23,288	1.49	23,288
Mathematics and statistics	17,241	1.80	17,241
Computer and information sciences	39,701	1.99	39,701
Engineering	85,482	1.39	85,482
Education	110,402	1.47	110,402
Business	356,282	1.88	356,282
Health professions	113,736	1.72	113,736
Social sciences	11,963	2.22	11,963
Agricultural sciences	203,562	1.76	203,562

NOTE: Ineligible cases were included in the "Control totals" column but were not included in the "Sum of final weights for eligible cases" column, and as a result, the two columns are not always identical.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The weight distributions and the variance inflation due to unequal weighting by institution control are summarized in table 44. The median bookend weight ranges from 25 for students whose base-year institution was for-profit to 86 for students whose base-year institution was public. The

mean bookend weight ranges from 100 for students whose base-year institution was private nonprofit to 124 for students whose base-year institution was public. The unequal weighting effect overall was 2.44 and ranged from 2.33 for students whose base-year institution was public to 3.04 for students whose base-year institution was for-profit.

Table 44. Weight distribution and unequal weighting effects for the B&B:08/12 bookend weight, by institution control: 2012

Institution control	Minimum	First quartile	Median	Third quartile	Maximum	Mean	Unequal weighting effect
Total	0.49	13.58	67.90	153.48	745.08	114.18	2.44
Public	0.49	15.50	86.03	161.80	745.08	123.59	2.33
Private nonprofit	0.55	13.75	55.68	134.72	660.29	100.33	2.51
For-profit	1.32	6.58	25.16	135.31	486.73	107.17	3.04

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

6.1.2 Panel Analysis Weight

A B&B:08/12 *panel respondent* was defined as any sample member who met the requirements to be classified as a bookend respondent (described above) who also had a completed, partial, or abbreviated interview in 2009. Among the eligible B&B:08 cohort, 13,490 cases met the requirements to be classified as a panel respondent with a weighted response rate of 68 percent.

Variables that made up the CHAID interaction terms were institution enrollment, geographic region, number of times an answering machine was encountered, counts of phone numbers, and e-mail and mailing addresses available for a student. The initial model including all variables did not converge, requiring some variables to be dropped. Retained variables are listed in table 45.

Table 45 shows the predictor variables used in the model to adjust the weight for nonrespondents and the average weight adjustment factors resulting from these variables. The nonrespondent weight adjustment factors have the following characteristics:

- minimum: 1.00;
- median: 1.00; and
- maximum: 3.00.

Table 45. Weight adjustment factors for nonresponse for the B&B:08/12 panel weight: 2012

Variable	Number of nonrefusal respondents	Weighted response rate	Average weight adjustment factor
Total	13,490	68.23	1.43
Institution control			
Public	7,820	69.73	1.39
Private nonprofit	5,020	66.41	1.47
For-profit	660	60.60	1.50
Institution region ¹			
New England	650	64.32	1.54
Mideast	2,280	63.49	1.50
Great Lakes	2,170	73.10	1.31
Plains	1,750	68.33	1.45
Southeast	3,090	68.53	1.44
Southwest	1,090	65.94	1.50
Rocky Mountains	680	77.29	1.20
Far West	1,610	68.77	1.43
Outlying areas	180	71.26	1.36
Institution enrollment size			
4,760 or fewer	3,390	68.67	1.41
4,761–13,042	3,300	65.54	1.52
13,043–27,210	3,410	67.58	1.43
27,211 or more	3,390	70.35	1.35
Pell Grant amount received			
None	8,100	67.83	1.44
\$1,580 or less	1,390	68.64	1.42
\$1,581–\$2,695	1,320	68.52	1.45
\$2,696–\$4,260	1,330	72.50	1.34
\$4,261 or more	1,350	68.66	1.42
Stafford Loan amount received			
None	6,000	66.10	1.44
\$4,410 or less	1,900	70.26	1.43
\$4,411–\$5,500	3,650	73.96	1.34
\$5,501–\$6,499	160	58.55	1.51
\$6,500 or more	1,780	65.55	1.55
PLUS amount received			
None	12,670	68.15	1.43
\$5,000 or less	210	71.87	1.40
\$5,001–\$9,396	200	64.44	1.54
\$9,397–\$14,000	210	67.80	1.42
\$14,001 or more	200	73.63	1.27
Federal aid recipient			
Yes	9,300	70.78	1.39
No	4,200	64.86	1.50
Institution aid recipient			
Yes	7,120	74.67	1.33
No	6,370	64.01	1.53

See notes at end of table.

Table 45. Weight adjustment factors for nonresponse for the B&B:08/12 panel weight: 2012—Continued

Variable	Number of nonrefusal respondents	Weighted response rate	Average weight adjustment factor
State aid recipient			
Yes	5,570	75.63	1.33
No	7,920	65.45	1.49
Any aid recipient			
Yes	11,600	71.69	1.38
No	1,890	57.93	1.69
Preloaded Social Security number			
Yes	13,230	68.99	1.41
No	260	49.39	1.99
Count of answering machine encounters			
0	9,720	86.37	1.15
1 or 2	850	56.51	1.70
More than 2	2,920	43.27	2.26
Count of phone numbers			
0	90	13.71	2.29
1	2,100	56.32	1.92
2	5,150	71.42	1.38
More than 2	6,150	75.79	1.29
Count of e-mail addresses			
0	30	3.65	2.94
1	2,510	50.28	2.26
2	4,910	71.86	1.37
More than 2	6,050	88.59	1.12
Count of mailing addresses			
0	10	0.90	2.22
1	3,160	64.29	1.60
2	5,260	68.08	1.44
More than 2	5,070	74.43	1.30

¹New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

NOTE: Categories were formed from continuous variables based on quartiles. PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The variables used for the calibration, the values of the control totals, and the average weight adjustment factors for each variable are shown in table 46. Statistics for the weight adjustment factors are the following:

- minimum: 0.07;
- median: 1.53; and
- maximum: 8.79.

The response-adjusted, calibrated interview weight is the variable WTE000 on the data file.

Table 46. Control totals and weight adjustment factors for the B&B:08/12 panel weight raking: 2012

Variable	Control totals	Average weight adjustment factor
Total	1,662,275	1.50
Stafford Loan amount received		
Total	4,345,128,835	1.38
Stafford Loan recipient, by institution control		
Public	425,339	1.26
Private nonprofit	279,334	1.28
For-profit	48,517	3.03
Pell Grant amount received, by institution control		
Public	606,292,487	1.19
Private nonprofit	313,699,659	1.23
For-profit	42,995,268	2.58
PLUS amount received, by institution control		
Public	429,836,705	1.26
Private nonprofit	615,762,989	1.37
For-profit	23,455,401	3.28
Institution control		
Public	1,044,858	1.40
Private nonprofit	540,683	1.44
For-profit	76,734	3.10
Sex		
Male	707,336	1.54
Female	954,939	1.47
Major		
Missing/unknown	377	0.14
Liberal arts	263,613	2.01
Psychology/history	262,980	1.67
Biology	173,648	0.77
Physical sciences	23,288	1.45
Mathematics and statistics	17,241	1.71
Computer and information sciences	39,701	1.84
Engineering	85,482	1.39
Education	110,402	1.44
Business	356,282	1.93
Health professions	113,736	1.74
Social sciences	11,963	2.15
Agricultural sciences	203,562	1.74

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

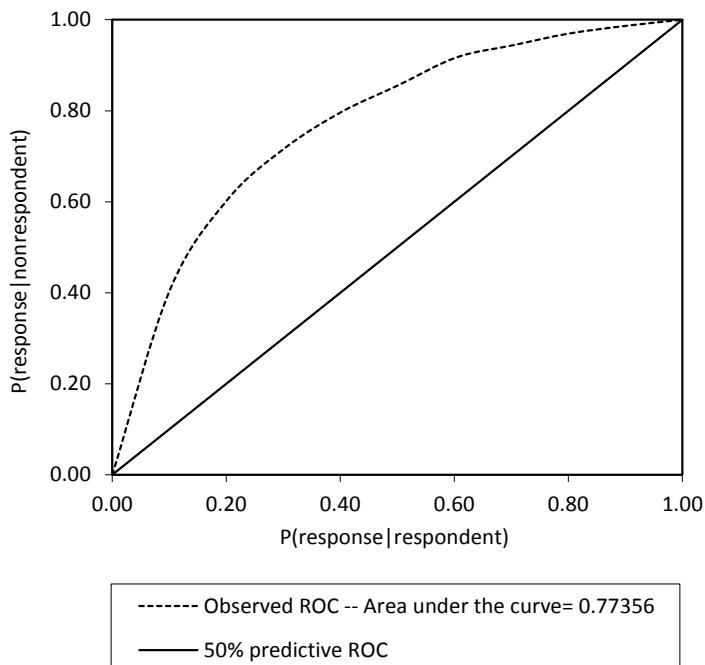
The weight distributions and the variance inflation due to unequal weighting by institution control are summarized in table 47. The median panel weight ranges from 27 for students whose base-year institution was for-profit to 89 for students whose base-year institution was public. The mean panel weight ranges from 108 for students whose base-year institution was private nonprofit to 134 for students whose base-year institution was public. The unequal weighting effect overall was 2.48 and ranged from 2.37 for students whose base-year institution was public to 3.04 for students whose base-year institution was for-profit.

Table 47. Weight distribution and unequal weighting effects for the B&B:08/12 panel weight, by institution control: 2012

Institution control	Minimum	First quartile	Median	Third quartile	Maximum	Mean	Unequal weighting effect
Total	0.48	13.60	71.54	161.66	802.83	123.22	2.48
Public	0.48	15.66	88.68	173.63	802.83	133.66	2.37
Private nonprofit	0.52	13.55	58.06	143.54	671.22	107.75	2.57
For-profit	0.84	7.00	26.83	145.95	526.80	117.15	3.04

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The area under the ROC curve is 0.77, such that 77 percent of the time (or about 8 of 10 pairings) the predicted probabilities give the correct classification (figure 9). The ROC area of 0.77 equals the value of the Wilcoxon test statistic; based on the result, the null hypothesis of no predictive ability ($p < 0.05$) is rejected. This level of discrimination implies that the variables used in the model were highly informative, but not definite, predictors of a sample student's overall response propensity.

Figure 9. Panel ROC curve for overall response propensity: 2012

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

6.1.3 Transcript Panel Analysis Weight

A B&B:08/12 *transcript panel respondent* was defined as any sample member who was a panel respondent who also had a transcript provided by the NPSAS:08 institution. The B&B:08/12 sample consisted of 17,070 eligible students.²³ Using the transcript panel weight, 12,570 students were classified as eligible respondents, yielding a weighted response rate of 64 percent.

Variables that made up the CHAID interaction terms were NPSAS sector, institution financial aid, state financial aid, any financial aid, geographic region, number of times an answering machine was encountered, counts of phone numbers, and e-mail addresses available for a student. The initial model including all variables did not converge, requiring some variables to be dropped. Retained variables are listed in table 48.

The predictor variables used in the model to adjust the weight for nonrespondents and the average weight adjustment factors resulting from these variables are shown in table 48. The nonrespondent weight adjustment factors have the following characteristics:

- minimum: 1.00;
- median: 1.04; and
- maximum: 3.00.

²³ The number of students eligible for both the B&B:08/12 interview and transcripts differs from the number of students eligible for the B&B:08/12 interview due to perturbation (see section 5.3).

Table 48. Weight adjustment factors for nonresponse for the B&B:08/12 transcript panel weight: 2012

Variable	Number of nonrefusal respondents	Weighted response rate	Average weight adjustment factor
Total	12,570	64.12	1.53
Institution control			
Public	7,350	65.68	1.49
Private nonprofit	4,590	61.78	1.58
For-profit	630	59.60	1.54
Institution region ¹			
New England	620	61.03	1.65
Mideast	2,100	59.01	1.63
Great Lakes	2,020	69.86	1.38
Plains	1,700	66.57	1.52
Southeast	2,770	62.74	1.59
Southwest	1,050	64.74	1.52
Rocky Mountains	670	75.33	1.24
Far West	1,460	61.87	1.57
Outlying areas	180	71.26	1.37
Institution enrollment size			
4,760 or fewer	3,130	64.39	1.52
4,761–13,042	3,050	60.36	1.64
13,043–27,210	3,160	62.75	1.54
27,211 or more	3,240	67.69	1.41
Pell Grant amount received			
None	7,580	63.88	1.54
\$1,580 or less	1,290	64.43	1.52
\$1,581–\$2,695	1,230	64.90	1.54
\$2,696–\$4,260	1,240	68.12	1.42
\$4,261 or more	1,230	62.57	1.55
Stafford Loan amount received			
None	5,640	62.45	1.54
\$4,440 or less	1,770	65.31	1.52
\$4,441–\$5,500	3,390	69.71	1.42
\$5,501–\$6,396	140	55.39	1.61
\$6,397 or more	1,640	60.45	1.69
PLUS amount received			
None	11,800	64.02	1.53
\$5,000 or less	200	67.22	1.51
\$5,001–\$9,396	190	60.59	1.66
\$9,397–\$14,000	200	64.40	1.47
\$14,001 or more	190	69.79	1.34
Federal aid recipient			
Yes	8,620	66.16	1.49
No	3,950	61.48	1.60
Institution aid recipient			
Yes	6,610	70.77	1.41
No	5,960	59.70	1.65

See notes at end of table.

Table 48. Weight adjustment factors for nonresponse for the B&B:08/12 transcript panel weight: 2012—Continued

Variable	Number of nonrefusal respondents	Weighted response rate	Average weight adjustment factor
State aid recipient			
Yes	5,170	70.68	1.44
No	7,400	61.63	1.59
Any aid recipient			
Yes	10,780	67.30	1.48
No	1,790	54.81	1.81
Preloaded Social Security number			
Yes	12,320	64.76	1.52
No	250	48.37	2.00
Count of answering machine encounters			
0	9,070	81.07	1.23
1 or 2	780	51.46	1.89
More than 2	2,720	40.88	2.42
Count of phone numbers			
0	90	12.41	2.46
1	1,970	53.10	2.04
2	4,770	67.26	1.46
More than 2	5,750	70.82	1.39
Count of e-mail addresses			
0	20	3.61	2.92
1	2,340	47.28	2.42
2	4,570	67.24	1.48
More than 2	5,640	83.05	1.19
Count of mailing addresses			
0	10	0.92	2.24
1	2,940	59.06	1.61
2	4,910	64.49	1.52
More than 2	4,710	70.40	1.48

¹New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

NOTE: Categories were formed from continuous variables based on quartiles. PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The variables used for the calibration, the values of the control totals, and the average weight adjustment factors for each variable are provided in table 49. Statistics for the weight adjustment factors are the following:

- minimum: 0.08;
- median: 1.56; and
- maximum: 7.39.

The response-adjusted, calibrated interview weight is the variable WTF000 on the data file.

Table 49. Control totals and weight adjustment factors for the B&B:08/12 transcript panel weight ranking: 2012

Variable	Control totals	Average weight adjustment factor
Total	1,662,275	1.51
Stafford Loan amount received		
Total	4,345,128,835	1.41
Stafford Loan recipient, by institution control		
Public	425,339	1.28
Private nonprofit	279,334	1.32
For-profit	48,517	3.05
Pell Grant amount received, by institution control		
Public	606,292,487	1.20
Private nonprofit	313,699,659	1.26
For-profit	42,995,268	2.58
PLUS Loan amount received, by institution control		
Public	429,836,705	1.25
Private nonprofit	615,762,989	1.41
For-profit	23,455,401	3.45
Institution control		
Public	1,044,858	1.40
Private nonprofit	540,683	1.46
For-profit	76,734	3.07
Sex		
Male	707,336	1.57
Female	954,939	1.47
Major		
Missing/unknown	377	0.18
Liberal arts	263,613	1.97
Psychology/history	262,980	1.68
Biology	173,648	0.78
Physical sciences	23,288	1.47
Mathematics and statistics	17,241	1.67
Computer and information sciences	39,701	1.88
Engineering	85,482	1.46
Education	110,402	1.42
Business	356,282	1.93
Health professions	113,736	1.75
Social sciences	11,963	2.09
Agricultural sciences	203,562	1.76

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

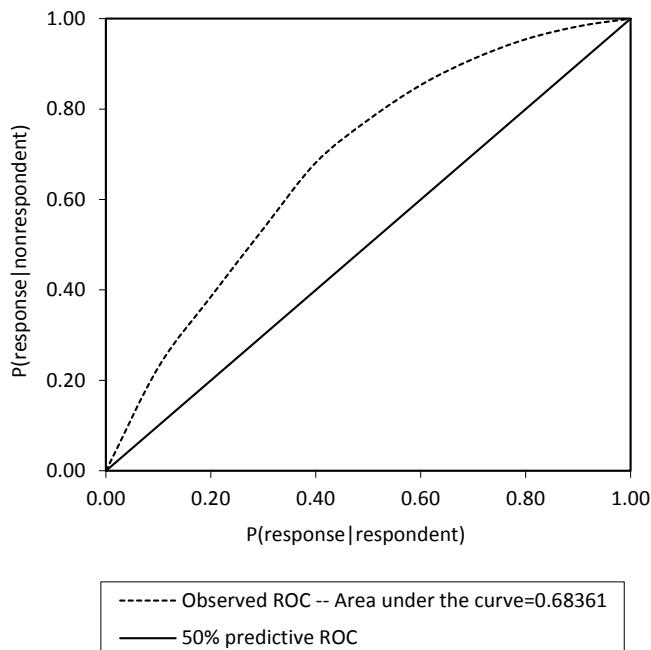
The weight distributions and the variance inflation due to unequal weighting by institution control are summarized in table 50. The median panel weight ranges from 28 for students whose base-year institution was for-profit to 92 for students whose base-year institution was public. The mean panel weight ranges from 118 for students whose base-year institution was private nonprofit to 142 for students whose base-year institution was public. The unequal weighting effect overall was 2.50 and ranged from 2.42 for students whose base-year institution was public to 3.08 for students whose base-year institution was for-profit.

Table 50. Weight distribution and unequal weighting effects for the B&B:08/12 transcript panel weight, by institution control: 2012

Institution control	Minimum	First quartile	Median	Third quartile	Maximum	Mean	Unequal weighting effect
Total	0.49	14.63	76.64	176.24	871.54	132.22	2.5
Public	0.49	17.32	92.21	187.09	871.54	142.22	2.42
Private nonprofit	0.55	14.32	64.05	160.39	716.77	117.69	2.55
For-profit	0.72	7.38	27.71	158.74	570.19	121.61	3.08

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The area under the ROC curve is 0.68, such that 68 percent of the time (or about 7 of 10 pairings) the predicted probabilities give the correct classification (figure 10). The ROC area of 0.68 equals the value of the Wilcoxon test statistic; based on the result, the null hypothesis of no predictive ability ($p < 0.05$) is rejected. This level of discrimination implies that the variables used in the model were highly informative, but not definite, predictors of a sample student's overall response propensity.

Figure 10. Transcript panel ROC curve for overall response propensity: 2012

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

6.2 Variance Estimation

For probability-based sample surveys, most estimates are nonlinear statistics. For example, a mean or proportion, which is expressed as

$$\bar{m} = \frac{\sum_i w_i x_i}{\sum_i w_i y_i}$$

is nonlinear because the denominator is a survey estimate of the (unknown) population total. In this situation, the variances of the estimates cannot be expressed in closed form. Two procedures for estimating variances of survey statistics are the Taylor series linearization procedure and the bootstrap replication procedure. Variables used for both of these variance estimation procedures are available on the B&B:08/12 data files. The analysis strata and PSUs created for the Taylor series procedure are discussed in section 6.2.1, and section 6.2.2 contains a discussion of the replicate weights created for the bootstrap procedure.

6.2.1 Taylor Series

The Taylor series variance estimation procedure is a well-known technique used to estimate the variances of nonlinear statistics. The procedure takes the first-order Taylor series approximation of the nonlinear statistic and then substitutes the linear representation into the appropriate variance formula based on the sample design. Woodruff (1971) presented the mathematical formulation of this procedure.

For stratified multistage surveys, the Taylor series procedure requires variance estimation (analysis) strata and variance estimation (analysis) PSUs defined from the sampling strata and PSUs used in the first stage of sampling. Because B&B:08/12 is the second follow-up study of NPSAS:08, the variance estimation strata and PSUs for B&B:08/12 were derived from the variance estimation strata and PSUs that were originally developed for NPSAS:08 and then modified for B&B:08/09. The steps involved in the construction of the NPSAS:08 strata and PSU variables are described in chapter 6 of the NPSAS:08 full-scale methodology report (Cominole et al. 2010). The process for the construction of the B&B:08/09 strata and PSU variables was similar to the process used for B&B:08/12, which is described below.

The variance estimation formulas require at least two PSUs in each stratum. The B&B:08/09 variance estimation strata and PSUs were examined for the B&B:08/12 sample, and strata with only one PSU were combined with other strata to obtain at least two PSUs. The following three rules were used: variance estimation strata were combined with other variance estimation strata within the original NPSAS:08 sampling strata; certainty schools were combined with other certainty schools; and noncertainty schools were combined with other noncertainty schools. In addition, the original sort order that was used for constructing the NPSAS:08 variance estimation strata and PSUs was used. If the stratum was the first in the sorted list, then it was combined with the next stratum in the list; otherwise, it was combined with either the previous or next stratum. The single PSU then became an additional PSU in the new variance estimation stratum. The resulting variance estimation strata and PSUs for B&B:08/12 are the variables ANALSTR and ANALPSU. Note that these strata and PSUs were formed such that they were applicable to use with any of the three analysis weights described in section 6.1.

The procedure described above may overestimate the variance because it does not always account for the finite population correction (FPC) at the institution stage of sampling. Alternatively, the Taylor series procedure can account for the FPC if the variance estimation (analysis) secondary sampling units (SSUs) and PSU counts were considered in addition to the analysis strata and analysis PSUs. The variables used to implement this procedure were FANALSTR, FANALPSU, FANALSSU, and PSUCOUNT for the analysis strata, PSUs, SSUs and PSU counts, respectively. An alternate variance estimation method using replicate weights to account for the FPC is also provided for users of the B&B:08/12 data, as described below.

6.2.2 Bootstrap Replicate Weights

The variance estimation strategy that was chosen for B&B:08/12 was the same as that used for B&B:08/09 and NPSAS:08, and it satisfies the following requirements:

- recognition of variance reduction due to stratification at all stages of sampling;
- recognition of effects of unequal weighting;
- recognition of possible increased variance due to sample clustering;
- recognition of effects of weight adjustments for nonresponse and for calibration of selected total estimates to known external totals or weight sums;
- satisfactory properties for estimating variances of nonlinear statistics and quantiles (such as the median) as well as for linear statistics;
- ability to apply finite population corrections at the institution stage of sampling and reflect the reduction in variance due to the high sampling rates in some first-stage sampling strata; and
- ability to test hypotheses about students on the basis of normal distribution theory by ignoring the finite population corrections at the student level of sampling.

The replicate weights were produced using a methodology combining approaches developed by Flyer (1987) and Kott (1988). The Flyer-Kott approach is described in the NPSAS:08 full-scale methodology report (Cominole et al. 2010). The Flyer-Kott methodology was used to develop a vector of bootstrap sample weights that was added to the analysis file. These weights are zero for units not selected in a particular bootstrap sample; weights for other units are inflated for the bootstrap subsampling. The initial analytic weights for the complete sample are also included to compute the desired estimates. The vector of replicate weights allows for computing additional estimates for the sole purpose of estimating a variance. Assuming B sets of replicate weights, the variance of any estimate, $\hat{\theta}$, can be estimated by replicating the estimation procedure for each replicate and computing a simple variance of the replicate estimates; that,

$$\text{var}(\hat{\theta}) = \frac{\sum_{b=1}^B (\hat{\theta}_b^* - \hat{\theta})^2}{B},$$

where $\hat{\theta}_b^*$ the estimate based on the b th replicate weight (where $b = 1$ to the number of replicates), and B is the total number of sets of replicate weights. Once the replicate weights are provided, this estimate can be produced by most survey software packages (e.g., SUDAAN [RTI International 2012] computes this estimate by invoking the DESIGN=BRR option).

The number of replicate weights was set at 200 for NPSAS:08. For the three sets of 200 replicate weights included on the analysis file, both the nonresponse adjustment and calibration process were repeated so that the variance of survey estimates would include the variability due to the weight adjustments. For some of the replicates, the adjustment factor bounds were loosened and not all of the control totals could be met because of model convergence problems; i.e., there was no solution to satisfy all model equations simultaneously. The analysis and replicate weights that are available on the analysis file for B&B:08/12 are the following:

Type of respondents	Analysis weight	Replicate weights
Bookend respondents	WTD000	WTD001–WTD200
Panel respondents	WTE000	WTE001–WTE200
Transcript panel respondents	WTF000	WTF001–WTF200

The weight and variance estimation variables and how they are used in selected software packages that allow for Taylor series variance estimation (SUDAAN, Stata, the SAS survey data analysis procedures, IBM SPSS Complex Samples, and R) and bootstrap variance estimation (SUDAAN, Stata, the SAS survey data analysis procedures, WesVar, and R) are summarized in table 51. Variance estimates and design effects shown in appendix I were produced using the bootstrap replicate weights.

Table 51. Use of analysis weights and replicate weights; variance estimation strata, primary sampling unit (PSU), and secondary sampling unit (SSU); and PSU count variables available from B&B:08/12, in selected survey data analysis software: 2012

Survey data analysis software	Bookend respondents	Panel respondents	Transcript panel respondents
Analysis weight for estimates	WTD000	WTE000	WTF000
Taylor series variance estimation (with replacement)			
Variance estimation stratum and PSU variables	ANALSTR and ANALPSU	ANALSTR and ANALPSU	ANALSTR and ANALPSU
Software: statements, parameters, and keywords for Taylor series variance estimation (with replacement)			
SUDAAN	DESIGN = WR WEIGHT WTD000; NEST ANALSTR ANALPSU;	DESIGN = WR WEIGHT WTE000; NEST ANALSTR ANALPSU;	DESIGN = WR WEIGHT WTF000; NEST ANALSTR ANALPSU;
Stata	svyset analpsu [pweight = wtd000], strata (analstr) vce(linearized)	svyset analpsu [pweight = wte000], strata (analstr) vce(linearized)	svyset analpsu [pweight = wtf000], strata (analstr) vce(linearized)
SAS survey data analysis procedures	VARMETHOD = TAYLOR	VARMETHOD = TAYLOR	VARMETHOD = TAYLOR
IBM SPSS complex samples	WEIGHT WTD000; STRATA ANALSTR; CLUSTER ANALPSU;	WEIGHT WTE000; STRATA ANALSTR; CLUSTER ANALPSU;	WEIGHT WTF000; STRATA ANALSTR; CLUSTER ANALPSU;
R survey package ¹	Method: WR Weight: WTD000 Strata: ANALSTR Clusters: ANALPSU	Method: WR Weight: WTE000 Strata: ANALSTR Clusters: ANALPSU	Method: WR Weight: WTF000 Strata: ANALSTR Clusters: ANALPSU
	mydesign<- svydesign(id=~ANALPSU, strata=~ANALSTR, weights=~WTD000)	mydesign<- svydesign(id=~ANALPSU, strata=~ANALSTR, weights=~WTE000)	mydesign<- svydesign(id=~ANALPSU, strata=~ANALSTR, weights=~WTF000)
Taylor series variance estimation (without replacement)			
Variance estimation stratum, PSU, SSU, and PSU count variables	FANALSTR, FANALPSU, FANALSSU, and PSUCOUNT	FANALSTR, FANALPSU, FANALSSU, and PSUCOUNT	FANALSTR, FANALPSU, FANALSSU, and PSUCOUNT
Software: statements, parameters, and keywords for Taylor series variance estimation (without replacement)			
SUDAAN	DESIGN = WOR WEIGHT WTD000; NEST FANALSTR FANALPSU FANALSSU; TOTCNT PSUCOUNT _minus1_zero_;	DESIGN = WOR WEIGHT WTE000; NEST FANALSTR FANALPSU FANALSSU; TOTCNT PSUCOUNT _minus1_zero_;	DESIGN = WOR WEIGHT WTF000; NEST FANALSTR FANALPSU FANALSSU; TOTCNT PSUCOUNT _minus1_zero_;
Stata	svyset fanalpsu [pw=wtd000], strata(fanalstr) fpc(psucount) fanalssu, vce(linearized)	svyset fanalpsu [pw=wte000], strata(fanalstr) fpc(psucount) fanalssu, vce(linearized)	svyset fanalpsu [pw=wtf000], strata(fanalstr) fpc(psucount) fanalssu, vce(linearized)
R survey package ¹	mydesign<- svydesign(id=~FANALPSU, strata=~FANALSTR, weights=~WTD000, fpc=~PSUCOUNT)	mydesign<- svydesign(id=~FANALPSU, strata=~FANALSTR, weights=~WTE000, fpc=~PSUCOUNT)	mydesign<- svydesign(id=~FANALPSU, strata=~FANALSTR, weights=~WTF000, fpc=~PSUCOUNT)

See notes at end of table.

Table 51. Use of analysis weights and replicate weights; variance estimation strata, primary sampling unit (PSU), and secondary sampling unit (SSU); and PSU count variables available from B&B:08/12, in selected survey data analysis software: 2012—Continued

Survey data analysis software	Bookend respondents	Panel respondents	Transcript panel respondents
Bootstrap variance estimation			
Replicate weight variables	WTD001 – WTD200	WTE001 – WTE200	WTF001 – WTF200
Software: statements, parameters, and keywords for BRR variance estimation			
SUDAAN	DESIGN = BRR WEIGHT WTD000; REPWTG WTD001 – WTD200;	DESIGN = BRR WEIGHT WTE000; REPWTG WTE001 – WTE200;	DESIGN = BRR WEIGHT WTF000; REPWTG WTF001 – WTF200;
Stata	svyset [pweight=wtd000], brrweight(wtd001 - wtd200) vce(brr) mse	svyset [pweight=wte000], brrweight(wte001 - wte200) vce(brr) mse	svyset [pweight=wtf000], brrweight(wtf001 - wtf200) vce(brr) mse
SAS survey data analysis procedures	VARMETHOD = BRR WEIGHT WTD000; REPWEIGHTS WTD001 – WTD200;	VARMETHOD = BRR WEIGHT WTE000; REPWEIGHTS WTE001 – WTE200;	VARMETHOD = BRR WEIGHT WTF000; REPWEIGHTS WTF001 – WTF200;
WesVar	Method: BRR Full sample weight: WTD000 Replicates: WTD001 – WTD200	Method: BRR Full sample weight: WTE000 Replicates: WTE001 – WTE200	Method: BRR Full sample weight: WTF000 Replicates: WTF001 – WTF200
R survey package ¹	mydesign<-svrepdesign(type="BRR", weights=~WTD000, repweights= "WTD00[1-200]", combined.weights=FALSE)	mydesign<-svrepdesign(type="BRR", weights=~WTE000, repweights= "WTE00[1-200]", combined.weights=FALSE)	mydesign<-svrepdesign(type="BRR", weights=~WTF000, repweights= "WTF00[1-200]", combined.weights=FALSE)

¹ For the R survey package, “mydesign” can be renamed to any name for an R object to hold the specification of the survey design. For the without replacement design, the R survey package does not account for the second stage of sampling.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

6.3 Overall Weighted and Unweighted Response Rates

The overall B&B:08/12 response rate was an estimate of the proportion of the study population directly represented by the respondents. Because the B&B:08/12 study includes a subsample of NPSAS:08 nonrespondents, the overall B&B:08/12 response rate was the product of the NPSAS:08 institution-level response rate times the B&B:08/12 student-level response rate. Therefore, the overall B&B:08/12 response rates can only be estimated directly for defined institution characteristics.

The unweighted and weighted NPSAS:08 base-year institution and B&B:08/12 student response rate components by institution control are shown in table 52. Only the weighted response rates can be interpreted as estimates of the proportion of the B&B:08/12 population that was directly represented by the respondents. The types of student respondents were the following:²⁴

- B&B:08/12 bookend respondents (i.e., NPSAS:08 study respondent and B&B:08/12 interview respondent);
- B&B:08/12 panel respondents (i.e., NPSAS:08 study respondent and B&B:08/09 and B&B:08/12 interview respondents); and

²⁴ See section 6.1 for respondent definitions.

- B&B:08/12 transcript panel respondents (i.e., NPSAS:08 study respondent, B&B:08/09 and B&B:08/12 interview respondents, and transcript respondent).

Table 52. Unweighted and weighted NPSAS:08 institution response rates and B&B:08/12 bookend, panel, and transcript panel response rates, by institution control: 2012

Institution control (base-year)	Institution response rate		Eligible sample size	Response rate		Overall response rate	
	Unweighted	Weighted		Respondents	Unweighted	Weighted	Unweighted
	B&B:08/12 bookend respondents						
Total	89.0	90.1	17,110	14,560	85.1	77.1	75.7
Public	91.9	91.2	9,880	8,450	85.5	78.3	78.6
Private nonprofit	87.4	86.7	6,340	5,390	84.9	74.5	74.2
For-profit	83.6	88.2	890	720	80.7	78.1	67.5
B&B:08/12 panel respondents							
Total	89.0	90.1	17,110	13,490	78.8	68.2	70.2
Public	91.9	91.2	9,880	7,820	79.1	69.7	72.7
Private nonprofit	87.4	86.7	6,340	5,020	79.1	66.4	69.1
For-profit	83.6	88.2	890	660	73.8	60.6	61.7
B&B:08/12 transcript panel respondents							
Total	89.0	90.1	17,010	12,570	73.9	64.1	65.8
Public	91.9	91.2	9,810	7,350	74.9	65.7	68.8
Private nonprofit	87.4	86.7	6,310	4,590	72.8	61.8	63.6
For-profit	83.6	88.2	880	630	71.4	59.6	59.7

NOTE: Detail may not sum to totals because of rounding. Base-year institution response rates were obtained from the *2007–08 National Postsecondary Student Aid Study (NPSAS:08) Full-Scale Methodology Report* (Cominole et al. 2010, p. 50). Overall response rates are the product of the NPSAS:08 and BPS:08/12 response rates. The eligible student counts for the transcript panel differ from the counts for the bookend and panel due to perturbation.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

The institution-level response rates were the percentage of institutions that provided sufficient data to select the NPSAS:08 student-level sample; these rates are presented and discussed in the NPSAS:08 full-scale methodology report (Cominole et al. 2010, p. 50).

Approximately 77 percent of the eligible sample were NPSAS:08 study respondents and B&B:08/12 interview respondents. The rate varied from 75 percent to 78 percent, by institution control. The overall weighted response rate, incorporating the NPSAS:08 base-year institution response rate, was 69 percent. The bookend analysis weight described in section 6.1 (WTD000) was developed to compensate for the potentially biasing effects of bookend nonresponse.

Approximately 68 percent of the eligible sample were NPSAS:08 study respondents and B&B:08/09 and B&B:08/12 interview respondents. The rate varied from 61 percent to 70 percent, by institution control. The overall weighted response rate, incorporating the NPSAS:08 base-year institution response rate, was 61 percent. The panel analysis weight described in section 6.1 (WTE000) was developed to compensate for the potentially biasing effects of panel nonresponse.

Approximately 64 percent of the eligible sample were NPSAS:08 study respondents, B&B:08/09 and B&B:08/12 interview respondents, and transcript respondents. The rate varied from 60 percent to 66 percent, by institution control. The overall weighted response rate, incorporating the NPSAS:08 base-year institution response rate, was 58 percent. The transcript panel analysis weight described in section 6.1 (WTF000) was developed to compensate for the potentially biasing effects of transcript panel nonresponse.

Section 6.4.2 analyzes the potential bias due to unit nonresponse and the effect the weight adjustments had in reducing the bias.

6.4 Accuracy of Estimates

The accuracy of survey statistics is affected by both random and nonrandom errors. Random errors reduce the precision of survey estimates, while nonrandom errors result in bias (i.e., estimates that do not converge to the true population parameter as the sample size increases without limit).

The sources of error in a survey are often dichotomized as sampling and nonsampling errors. *Sampling error* refers to the error that occurs because the survey was based on a sample of population members rather than the entire population. All other types of errors are *nonsampling errors*, including survey nonresponse (because of inability to contact sampling members, their refusal to participate in the study, etc.) and measurement errors, such as the errors that occur because the intent of survey questions was not clear to the respondent, because the respondent had insufficient knowledge to answer correctly, or because the data were not captured correctly (e.g., because of recording, editing, or data entry errors).

The sampling errors are primarily random errors for well-designed surveys such as NPSAS:08 and B&B:08/12. However, nonrandom errors can occur if the sampling frame does not provide complete coverage of the target population. The B&B:08/12 survey instrument and data collection procedures were subjected to thorough development and testing to minimize nonsampling errors, because these errors are difficult to quantify and are likely to be nonrandom errors.

In this section, sampling errors and design effects for some B&B:08/12 estimates are presented for a variety of domains; these sampling errors and design effects are computed using the three analysis weights that were constructed for analyzing the B&B:08/12 student data in conjunction with NPSAS:08, B&B:08/09, and transcript data.

Next, the results of analyses comparing B&B:08/12 nonrespondents with respondents and with the full sample using characteristics known for both nonrespondents and respondents are presented. An analysis of nonresponse bias is presented at both the student level and the item level.

6.4.1 Measures of Precision: Standard Errors and Design Effects

The survey design effect for a statistic was defined as the ratio of the design-based variance estimate divided by the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical). It is often used to measure the effects that sample design features have on the precision of survey estimates. For example, stratification tends to decrease the variance, but multistage sampling and unequal sampling rates usually increase the variance. In addition, weight adjustments for nonresponse (performed to reduce nonresponse bias) and calibration often increase the variance by increasing the weight variation. Because of these effects, most complex multistage sampling designs, such as B&B:08/12, result in design effects greater than 1.0. That is, the design-based variance is larger than the simple random sample variance.

Specifically, the survey design effect for a given estimate, $\hat{\theta}$, was defined as

$$Deff(\hat{\theta}) = \frac{Var_{design}(\hat{\theta})}{Var_{srs}(\hat{\theta})}.$$

The square root of the design effect is another measure and can be expressed as the ratio of the standard errors, or

$$Deft(\hat{\theta}) = \frac{SE_{design}(\hat{\theta})}{SE_{srs}(\hat{\theta})}.$$

In appendix I, design effect estimates are presented for important survey domains and estimates in order to summarize the effects of stratification, multistage sampling, unequal probabilities of selection, and the weight adjustments. These design effects were estimated for B&B:08/12 using SUDAAN and the bootstrap variance estimation procedure described in section 6.2.2. While not recommended, if an analysis of B&B:08/12 data must be performed without using one of the software packages for analysis of complex survey data, the design effect tables in appendix I can be used to make approximate adjustments to the standard errors of survey statistics computed with the standard software packages that assume simple random sampling designs. However, one cannot be confident about the actual design-based standard errors without performing the analysis with one of the software packages specifically designed for analysis of data from complex sample surveys.

Large design effects imply large standard errors and relatively poor precision. Small design effects imply small standard errors and good precision. In general terms, a design effect less than 2.0 is low, 2.0 to 3.0 is moderate, and greater than 3.0 is high. Moderate and high design effects often occur in complex surveys such as B&B:08/12, and the design effects presented in appendix I are consistent with those in past B&B studies. Unequal weighting causes large design effects and is often due to nonresponse and calibration adjustments. However, in B&B:08/12 (as in NPSAS:08), the unequal weighting is also due to the sample design, different sampling rates between institution strata, different sampling rates between student strata, and subsampling of the nonrespondents who were included in B&B:08/09 and B&B:08/12.

6.4.2 Measure of Bias

The bias in an estimated mean based on respondents, \bar{y}_R , is the difference between this mean and the target parameter, π , that is, the mean that would be estimated if a complete census of the target population was conducted and everyone responded. This bias can be expressed as follows, where $E(\bar{y}_r)$ is the expected value of the mean based on respondents over repeated samples:

$$B(\bar{y}_r) = E(\bar{y}_r) - \pi.$$

The estimated mean based on nonrespondents, \bar{y}_{NR} , can be computed if data for the particular variable are available for most of the nonrespondents. The true target parameter, π , can be estimated for these variables as follows:

$$\hat{\pi} = (1 - \eta)\bar{y}_R + \eta\bar{y}_{NR},$$

where η is the weighted unit (or item) nonresponse rate. For the variables that are from the frame, rather than from the sample, π can be estimated without sampling error. The bias can then be estimated as follows:

$$\hat{B}(\bar{y}_R) = \bar{y}_R - \hat{\pi}$$

or, equivalently,

$$\hat{B}(\bar{y}_R) = \eta(\bar{y}_R - \bar{y}_{NR}).$$

This formula shows that the estimate of the nonresponse bias is the difference between the mean for respondents and nonrespondents multiplied by the weighted nonresponse rate.

The relative bias estimate was defined as the ratio of the estimated bias divided by the sample mean, using the base weight, as follows:

$$\text{Rel}\hat{B}(\bar{y}_R) = \hat{B}(\bar{y}_R) / \bar{y}_{\hat{\pi}}.$$

This definition of relative bias provides a measure of the magnitude of the bias relative to the estimated sample mean.

Nonresponse bias analysis was conducted when the response rate at any level (institutions, students, items) was below 85 percent.²⁵ Institution nonresponse bias was performed as a part of NPSAS:08 and is described in the NPSAS:08 full-scale methodology report (Cominole et al. 2010). A student nonresponse bias analysis was performed for the bookend, panel, and transcript panel analysis weights, and an item nonresponse bias analysis was also performed. The remainder of this section summarizes the unit and item nonresponse bias analyses that were conducted for B&B:08/12.

Unit nonresponse bias analysis. The bookend, panel, and transcript panel weighted response rates were below 85 percent overall and for all three institution controls, so a nonresponse bias analysis was conducted overall and within each institution control. Unit nonresponse bias analyses were conducted for the following sets of respondents:

- B&B:08/12 bookend respondents versus the full set of cases eligible for B&B:08/12 (bookend respondents and bookend nonrespondents), before and after the nonresponse weight adjustment;
- B&B:08/12 bookend respondents versus B&B:08/12 bookend nonrespondents, before the nonresponse weight adjustment;
- B&B:08/12 panel respondents versus the full set of cases eligible for B&B:08/12 (panel respondents and panel nonrespondents), before and after the nonresponse weight adjustment;
- B&B:08/12 panel respondents versus B&B:08/12 panel nonrespondents, before the nonresponse weight adjustment;
- B&B:08/12 transcript panel respondents versus the full set of cases eligible for B&B:08/12 (transcript panel respondents and transcript panel nonrespondents), before and after the nonresponse weight adjustment; and
- B&B:08/12 transcript panel respondents versus B&B:08/12 transcript panel nonrespondents, before the nonresponse weight adjustment.

The nonresponse bias was estimated for variables known—that is, nonmissing—for most respondents and nonrespondents, and some variables were added that were not included in the

²⁵ See Seastrom (2014) for a discussion of nonresponse bias analysis.

nonresponse weight adjustment. Bias estimates were suppressed for variable categories with fewer than 30 nonrespondents. The following variables were used in the analyses:²⁶

- institution control;
- region;
- institution enrollment from IPEDS file (categorical);
- Pell Grant receipt (yes/no);
- Pell Grant amount (categorical);
- Stafford Loan receipt (yes/no);
- Stafford Loan amount (categorical);
- PLUS (categorical);
- federal aid receipt (yes/no);
- institution aid receipt (yes/no);
- state aid receipt (yes/no); and
- any aid receipt (yes/no);
- major (categorical);
- sex;
- age as of NPSAS:08 (categorical); and
- CPS match as of NPSAS:08 (yes/no).

First, for the variables listed above, the nonresponse bias was estimated by comparing estimates from base-weighted respondents with those of both nonrespondents and the full sample to determine if the differences were statistically significant at the 5 percent level. The two comparisons yield identical bias estimates but not always the same significance-testing results. Second, nonresponse adjustments were computed to reduce or eliminate nonresponse bias for key variables included in the models. Third, using base weights adjusted for nonresponse, bias was re-estimated and statistical tests were performed to check for any remaining significant nonresponse bias. Finally, to better understand the effect of poststratification on efforts to reduce nonresponse bias, two additional sets of estimates were created. The first, the difference between respondent means before and after poststratification, represents the effect of poststratification on nonresponse adjustments. The second, the difference between base-weighted full sample means and the poststratified respondent means, represents the cumulative effect of all weighting and adjustment steps.

The nonresponse weighting adjustment eliminated some, but not all, significant bias on these characteristics (table 53).²⁷ Before weighting, the percentage of variable categories that were significantly biased ranged from 2.9 percent among for-profit institutions with the panel and transcript panel weights to 49.0 percent among public institutions with the panel weight. The percentage of variable categories that remained significantly biased after the nonresponse weight adjustment ranged from 0.0 percent among private nonprofit institutions with the bookend and

²⁶ The enrollment and financial aid amount categories were formed based on quartiles.

²⁷ Bias analyses compare estimates from respondents to those of the full sample.

transcript panel weights to 13.8 percent among for-profit institutions with the bookend weight. As shown in appendix J, overall, significant bias remained for two or fewer categories of major and both categories of sex for each analysis weight. Significant bias estimates ranged from -2.0 to 2.0 percent. Among public institutions, two or fewer categories of institution enrollment and three or fewer categories of major had remaining significant bias for each analysis weight. Additionally, both categories of sex were significantly biased for the transcript panel weight. The significant bias estimates ranged from -1.9 to 2.3 percent. Among private nonprofit institutions, one category of region had significant bias of -1.5 percent for the panel weight, and no variables had significant bias remaining for the other two weights. Among for-profit institutions, two or fewer categories of enrollment had remaining significant bias for each analysis weight, and both categories of state aid status had significant bias for the bookend weight. The bias estimates ranged from -6.1 to 5.0 percent.

Table 53. Summary of nonresponse bias analysis for each analysis weight, by institution type: 2012

Nonresponse bias statistics	Institution type			
	Overall	Public	Private	For-profit
			nonprofit	Bookend
Before weight adjustments				
Mean estimated relative bias	4.31	3.64	5.80	9.64
Median estimated relative bias	3.35	3.05	4.63	6.46
Percent of variable categories significantly biased	41.38	41.67	42.22	6.90
After nonresponse weight adjustments				
Mean estimated relative bias	1.20	2.20	3.30	11.58
Median estimated relative bias	#	1.31	2.44	6.73
Percent of variable categories significantly biased	5.17	4.17	#	13.79
Panel				
Before weight adjustments				
Mean estimated relative bias	5.23	5.12	6.61	10.21
Median estimated relative bias	4.43	4.19	5.42	8.93
Percent of variable categories significantly biased	44.83	48.98	40.82	2.94
After nonresponse weight adjustments				
Mean estimated relative bias	1.48	3.22	4.21	15.71
Median estimated relative bias	#	1.50	2.38	12.11
Percent of variable categories significantly biased	6.90	10.20	2.04	2.94
Transcript panel				
Before weight adjustments				
Mean estimated relative bias	5.69	5.94	8.44	10.76
Median estimated relative bias	4.82	5.02	6.37	8.32
Percent of variable categories significantly biased	44.07	42.86	37.74	2.86
After nonresponse weight adjustments				
Mean estimated relative bias	1.59	3.83	5.98	14.67
Median estimated relative bias	#	1.93	3.14	11.26
Percent of variable categories significantly biased	5.08	10.20	#	2.86

Rounds to zero.

NOTE: Relative bias and significance were calculated on respondents versus the full sample. Relative bias was defined as the ratio of estimated bias to the weighted mean of the full sample. Variable categories with fewer than 30 nonrespondents were suppressed for calculations in this table.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Across all three weights, the mean and median absolute differences between means for respondents before and after poststratification adjustment are less than 2.0 for the overall, public, and nonprofit institutions and greater than 4.4 for the for-profit institutions (table 54). The differences between means for the full sample and respondents after poststratification adjustment are less than 2.0 for the overall, public, and nonprofit institutions and greater than 3.4 for the for-profit institutions. See appendix J, tables J-1 through J-24, for detailed nonresponse bias analysis tables.

Table 54. Summary of differences between means for each analysis weight, by institution type: 2012

Summary statistics	Institution type			
	Overall	Private		
		Public	nonprofit	For-profit
Bookend				
Difference between means for respondents before and after poststratification adjustment ¹				
Mean absolute difference across characteristics	1.32	1.38	1.91	4.80
Median absolute difference across characteristics	0.77	0.99	1.12	4.49
Difference between means for full sample and respondents after poststratification adjustment ²				
Mean absolute difference across characteristics	1.32	1.43	1.81	3.80
Median absolute difference across characteristics	0.77	0.80	1.45	3.92
Panel				
Difference between means for respondents before and after poststratification adjustment ¹				
Mean absolute difference across characteristics	1.29	1.40	1.83	5.44
Median absolute difference across characteristics	0.80	0.75	1.22	5.75
Difference between means for full sample and respondents after poststratification adjustment ²				
Mean absolute difference across characteristics	1.31	1.53	1.81	3.87
Median absolute difference across characteristics	0.80	0.94	1.52	3.88
Transcript panel				
Difference between means for respondents before and after poststratification adjustment ¹				
Mean absolute difference across characteristics	1.19	1.34	1.57	5.09
Median absolute difference across characteristics	0.73	0.97	1.24	4.84
Difference between means for full sample and respondents after poststratification adjustment ²				
Mean absolute difference across characteristics	1.22	1.43	1.82	3.81
Median absolute difference across characteristics	0.74	1.02	1.52	3.48

¹ Respondents before poststratification adjustment are weighted using the base weight, adjusted for nonresponse. Respondents after poststratification adjustment are weighted using the base weight, adjusted for nonresponse and poststratification.

² Full sample was weighted using the base weight. Respondents after poststratification adjustment are weighted using the base weight, adjusted for nonresponse and poststratification.

NOTE: Variable categories with fewer than 30 nonrespondents were suppressed for calculations in this table.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Item nonresponse bias analysis. NCES Statistical Standard 4-4-3A states: “For an item with a low total response rate, respondents and nonrespondents can be compared on sampling frame and/or questionnaire variables for which data on respondents and nonrespondents are

available. Base weights must be used in such analysis. Comparison items should have very high response rates. A full range of available items should be used for these comparisons. This approach may be limited to the extent that items available for respondents and nonrespondents may not be related to the low response rate item being analyzed” (Seastrom 2014).

Moreover, NCES Statistical Standard 1-3-5 states: “Item response rates (RRI) are calculated as the ratio of the number of respondents for whom an in-scope response was obtained (I^x for item x) to the number of respondents who are asked to answer that item. The number asked to answer an item is the number of unit level respondents (I) minus the number of respondents with a valid skip for item x (V^x). When an abbreviated questionnaire is used to convert refusals, the eliminated questions are treated as item nonresponse. In longitudinal analyses, the numerator of an item response rate includes cases that have data available for all waves included in the analysis and the denominator includes the number of respondents eligible to respond in all waves included in the analysis. In the case of constructed variables, the numerator includes cases that have available data for the full set of items required to construct the variable, and the denominator includes all respondents eligible to respond to all items in the constructed variable” (Seastrom 2014). The item response rate is calculated as

$$RRI^x = I^x / (I - V^x).$$

Item response rates were computed using nonimputed data. Valid skips were later logically imputed for the follow-up items after the gate question was imputed (but these imputed skips count as missing for computing the response rate). Table G-1 in appendix G lists the items from the B&B:08/12 interview along with the number of cases who were eligible to answer each item and the weighted item response rates and nonresponse rates. The B&B:08/12 bookend weight (WTD000) was used to calculate the response rates. The nonresponse rate was also the same as the percentage of cases for which the item was imputed. Cases who did not respond to a gate item were treated as missing for the items within the gate. Of the 176 items listed in table G-1, 47 had an item response rate less than 85 percent.

A nonresponse bias analysis was conducted for items with a weighted response rate less than 85 percent for B&B:08/12 bookend respondents. The possibility of estimating the degree of bias depends on having some variables that reflect key characteristics of respondents and for which there are little or no missing data. The variables that were used (a subset of the bulleted list above²⁸) are known for all B&B:08/12 interview respondents and nonrespondents. These variables are important to the study and are related to many of the items being analyzed for low item response rates. For the items with a weighted response rate less than 85 percent, the nonresponse bias prior to imputation was estimated for each of these characteristics that are known for respondents and nonrespondents.

Table J-25 in appendix J is included as an example of the bias analyses conducted for each item. It presents the estimated bias (prior to item imputation) for *Private student loan status in 2012* (B2PRIVSTAT) for B&B:08/12 bookend respondents. Similar computations were performed for each of the items. Table J-26 summarizes the results of the item nonresponse bias analysis for each of the items from the student interview with a response rate of less than 85 percent, and gives the mean and median relative bias and the percentage of the variable categories with statistically significant bias. Across the items, the percentage of variables with statistically significant bias ranged from 18 to 45 percent.

²⁸ The item-level nonresponse bias analysis did not include those variables that were added to the student-level nonresponse bias analysis and not included in the nonresponse weight adjustment.

Item imputation was used to fill in missing data for B&B:08/12 interview respondents, as described in chapter 5. Item imputation was expected to reduce the bias due to item nonresponse and was used instead of a separate weight adjustment for nonresponse for each item. All of the questionnaire items that are listed in table G-1 were imputed using the imputation process described in chapter 5.

A by-product of imputation was the reduction or elimination of item-level nonresponse bias. While item-level bias before imputation was measurable, after imputation it was not. As a result, how well an imputation procedure worked in reducing bias could not be directly evaluated. Instead, the before- and after-imputation item estimates were compared to determine whether the imputation significantly changed the biased estimates, thus suggesting a reduction in bias. Weighted estimates were computed using the nonimputed data (including only those cases who responded to the item) and also using the imputed data (including cases who responded to the item and also cases with imputed data for the item). Table G-2 shows the means before and after imputation for the continuous variables, and table G-3 shows the distributions before and after imputation for the categorical variables. These tables also show the difference between the preimputation and postimputation estimates. The difference between the pre- and postimputation estimates was statistically significant for 10 percent of the variables and variable categories included in the nonresponse bias analysis (see table J-26).²⁹ This suggests that imputation was only slightly successful in reducing the bias due to item nonresponse.

²⁹ Statistical testing of differences was not conducted for variable categories with fewer than 30 item-level nonrespondents.

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Appendix B

Data Elements

The data elements for the B&B:08/12 full-scale interview cover general topics which pertain to all students (e.g., postbaccalaureate degree enrollment, employment, demographic characteristics); however, many items are only relevant to certain categories of students, such as prior round nonrespondents, those with a postbaccalaureate education, or teachers. The core data elements are listed in table B-1.

Table B-1. Full-scale interview core data elements, by section and topic: 2012

Section	Topic
Eligibility	<ul style="list-style-type: none"> • Confirm completion of bachelor's degree requirements at the NPSAS institution between July 1, 2007, and June 30, 2008 • Confirm award of bachelor's degree at the NPSAS institution between July 1, 2007, and June 30, 2008 • Marital status / financial responsibilities shared with another / household composition
Undergraduate Education	<ul style="list-style-type: none"> • NPSAS first postsecondary institution • Undergraduate enrollment at other postsecondary schools between high school and bachelor's degree • Date first enrolled and last enrolled at other postsecondary schools • Credits attempted to transfer from other postsecondary schools / proportion that were accepted at the NPSAS institution • Ability to complete bachelor's degree without attending 2-year college • Satisfaction with quality of education received at the NPSAS institution • Satisfaction with undergraduate major choice
Postbaccalaureate Education/Training	<ul style="list-style-type: none"> • Enrolled for degree or certificate since completing bachelor's degree • For each postbaccalaureate degree or certificate: <ul style="list-style-type: none"> - Name of institution - Enrollment status - Degree type - Date first enrolled for degree or certificate, and date last enrolled for degree or certificate - Primary major - Date degree or certificate awarded - Master's degree earned en route to doctoral degree and date received - Enrollment intensity (full-time, part-time, or mixed) - Hours worked per week while enrolled - Type of financial aid received - Ratio of financial aid to out-of-pocket costs - Stress of paying for and attending school • Delivery mode (online / weekend / at night) of classes taken • Alternative plans if not enrolled in postbaccalaureate education • Nondegree coursework and reasons for enrolling • Type of undergraduate loans • Federal student loans for all education (status and repayment amount) • Private student loans for all education (total amount borrowed/owed, status, interest rate, and repayment amount) • Satisfaction with degree or certificate program • Number of other schools applied to/accepted • Help from family/friends in repaying loans • Level of stress due to education-related debt • Preparation for postbaccalaureate program (applied, reason for not attending, entrance exams) • Probability of enrolling in another postbaccalaureate program • Factors in choosing postbaccalaureate program

See notes at end of table.

Table B-1. Full-scale interview core data elements, by section and topic: 2012—Continued

Section	Topic
Postbaccalaureate Employment	<ul style="list-style-type: none"> • Worked since earning bachelor's degree • For all employment since bachelor's degree: <ul style="list-style-type: none"> - Employer name and location - Job title and duties - Salary, average hours worked per week, months worked, and full-time or part-time status - Reason for breaks in employment • For a maximum of three jobs with reported employment for three months or more: <ul style="list-style-type: none"> - Type of employer and industry - Employer benefits offered and overtime/bonuses/commission earned - Reason working more or less than full-time and preference - Job related to degree(s) - Occupation licenses (type of license, requirements, relevance to work) - Description of noncareer path job - Job satisfaction - Reason no longer working for employer • Activities during periods of unemployment • Primarily a student or employee • Job search activities (months looking for work, importance of benefits) • Status while not working (enrolled in school, traveling, volunteering, disabled, homemaker, temporarily laid off)
Teaching	<ul style="list-style-type: none"> • Identify current and prospective teachers (current or past teachers, made formal preparations for teaching career or considered teaching) • Applying for teaching positions (applied for teaching positions, received offers, reasons for not applying, factors that influenced decision to pursue teaching career) • Teaching certification (type, date earned, field of certification, alternative route, student teaching, preparation to become certified, completed student teaching or practicum) • For each teaching position: <ul style="list-style-type: none"> - Type of position (regular, short or long-term substitute, teachers' aide, support, itinerant, student teacher) - Start and end dates, months worked per year, hours worked per week, and full-time or part-time status - Schools (location, district name, sector) - Salary and benefits offered - Teaching experience (grades and subjects taught, felt adequately prepared, internship or induction programs, received help from district) • Plans to teach in the future and probability of a nonteaching job in the education field • Satisfaction in teaching position, and reason for leaving teaching • TEACH grant program and loan forgiveness (participation, influence on decision to become a teacher)
Student Background	<ul style="list-style-type: none"> • Demographics (date of birth, citizenship) • High school attended (sector) • Native language • Military service • Age of dependent children and total number of dependents • Day care costs for dependent children • Assets and investments (retirement fund, home value, value of assets compared to debt) • Housing payments and vehicle loan payments • Income for calendar year 2011 from all sources • Spouse's or partner's information (employment status, income for 2011, attended college in 2012–13 school year, amount borrowed or owed in student loans, repayment amount, highest level of education completed) • Highest level of education completed by mother, father • Perception and influence of education costs • Financial stress • Civic and volunteer activity (type, hours per month)
Locating	<ul style="list-style-type: none"> • Contact information for potential follow-up survey

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Appendix C

Field Test Report

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Chapter 1. Overview

The 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12), conducted for the National Center for Education Statistics (NCES) in the U.S. Department of Education's (ED's) Institute of Education Sciences, provides information on respondents' postbaccalaureate education and employment. B&B:08/12 is the second follow-up of a panel of baccalaureate degree recipients identified in the 2007–08 National Postsecondary Student Aid Study (NPSAS:08).

This report describes the methodology and findings of the B&B:08/12 field test, which took place during the 2010–11 school year. The field test was used to plan, implement, and evaluate methodological procedures, instruments, and systems proposed for use in the full-scale study scheduled for the 2011–12 school year.

1.1 Sampling Design

The respondent universe for the B&B:08/12 field test consisted of students who completed degree requirements for a bachelor's degree between July 1, 2006, and June 30, 2007, at any Title IV eligible postsecondary institution in the United States and Puerto Rico. The sample comprised all 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09) field test eligible interview respondents, including those who were not NPSAS:08 interview respondents. The B&B:08/12 field test sample also included all B&B:08/09 field test interview nonrespondents, including those who were not NPSAS:08 interview respondents.¹ The field test sample included a total of 1,590 sample members.² Interviews were conducted between July 27, 2011 and October 7, 2011.

1.2 Instrumentation

The content of the interview was based on previous interviews created for the 1993/03 Baccalaureate and Beyond Longitudinal Study (B&B:93/03) and 2000/01 Baccalaureate and Beyond Longitudinal Study (B&B:2000/01) cohorts and on the B&B:08/09 interview, building on data elements developed with input from the study's Technical Review Panel (TRP) and from NCES. Core data elements maintained in the B&B:08/12 field test interview included such items as degree attainment, continuing or graduate education, employment, debt and finances, family formation, civic engagement and volunteerism, and interest in or preparation for K–12 teaching. Additionally, information on teachers' professional experiences was collected so as to permit a comparison of the teaching profession to other occupations as well as a general study of labor market outcomes for the cohort as a whole. The B&B:08/12 field test interview consisted of eight sections, grouped by topic: Eligibility, Undergraduate Education, Postbaccalaureate Education and Training, Postbaccalaureate Employment, K–12 Teaching, Student Background, Locating, and Opinions.

Development of the B&B:08/12 interview included conducting cognitive interviews to provide feedback on the survey. A total of 24 cognitive interviews were conducted in March and April 2011. The cognitive interview process was designed to elicit respondent feedback to broad questions about terminology, experiences, and decisions related to their continued education,

¹ The nonrespondents exclude students who were determined to be ineligible based on the interview or transcript.

² The numbers appearing in the tables, figures, and text of this report were rounded to the nearest 10 to maintain the confidentiality of study respondents. As a result, reported percentages (based on unrounded numbers) may differ somewhat from those that would result from these rounded numbers.

employment, and interest in and preparation for K–12 teaching. The 24 respondents were divided into three groups of particular interest: (1) currently enrolled students; (2) those who graduated with a bachelor’s degree in a science, technology, engineering, and mathematics (STEM) field; and (3) those who had prepared for or who were interested in teaching at the K–12 level. The feedback helped to construct new items and refine current survey items.

The field test instrument was designed as a mixed-mode instrument. A single web-based instrument was used for both self-administered interviews and interviewer-administered interviews. Although the use of mixed-mode data collection provides many benefits, it also introduces certain issues that must be considered to minimize mode effects. Several methodological features were built into the instrument to minimize mode effects, including help text on every form, telephone interviewer instructions on every form, pop-up messages when a response was entered in an incorrect format, and conversion text to encourage responses to critical items when sample members did not provide a response.

The field test interview employed five interactive coding systems to standardize the collection of data on postsecondary institutions attended, major or field of study, occupation, employer industry, and any elementary or secondary schools where the respondent had taught.

The reliability of responses to interview questions was evaluated through a reinterview containing 29 selected items from the main interview. Reinterviews were conducted approximately 3 to 4 weeks after the initial interview and in the same administration mode as the initial interview. A subsample of approximately 320 interview respondents was randomly selected for reinterview to permit analysis of the reliability of the 29 items.

1.3 Data Collection Systems

The interview web instrument was developed using Hatteras, a web-based system developed by RTI in which project staff developed, reviewed, tested, modified, and communicated changes to specifications and code for the instrument. All information relating to the instrument was stored in an SQL Server database and was made accessible through web browser interfaces. Hatteras provided specification, programming, and testing interfaces for the B&B instrument.

All aspects of the study were monitored using the Integrated Management System (IMS), a project management tool designed to give project staff and clients ready access to a repository of reports, critical project information, and deliverables. Daily reports and management information from all the major systems across the study resided in the IMS. The IMS contained the current project schedule, monthly progress reports, daily data collection reports and status reports, project plans and specifications, project deliverables, instrument specifications, a link to the instrumentation system, staff contacts, the project bibliography, and a document archive.

The Receipt Control System (RCS) was used to control and monitor all activities related to data collection, including tracing and locating. Through RCS applications, project staff were able to perform such activities as e-mailing to groups of sample members, preparing lead letters and follow-up mailings, executing batch tracing, reviewing locating information, tracking case status, and viewing telephone interviewer (TI) comments. The RCS was fully integrated with the Computer-assisted telephone interviewing Case Management System (CATI-CMS) and Tracing Operations System (TOPS) so that all systems needing sample member data accessed a single database. Case status changes in the interview, CATI-CMS, or TOPS automatically triggered updates to RCS during overnight processes, providing integration between the data collection systems and the ability to identify problems early and implement solutions effectively.

The CATI-CMS scheduled telephone calls to be made by TIs and tracked call outcomes. Within the CATI-CMS, TIs had the ability to send a reminder username/password e-mail to callers who chose to complete the interview via the Web and to initiate SMS text reminders to those who requested this service.

TOPS was used to locate the sample members that CATI operators could not locate. TOPS allowed tracers to review all case data, including TI comments in the CATI-CMS, and to use various search methods to locate sample members.

1.4 Experiments

The B&B:08/12 field test included two instrumentation experiments. The first examined differences in the use of vertical and horizontal visual analog scales (VASs) in conjunction with real-time feedback displays (RTFDs) compared to radio buttons without RTFDs. Results showed that item nonresponse did not vary significantly across the item types; however, the radio button version took the least time to complete.

A second experiment compared radio buttons and VASs, without feedback displays. Four different item versions were tested: a 5-point slider with midpoints, a 10-point slider, 10-point radio button scales, and 5-point radio buttons with midpoints. There were no significant differences in response distributions or nonresponse across any of the layout options.

Two data collection experiments were conducted during the B&B:08/12 field test. The first tested whether viewing a short informational video describing the study had any impact on response rates. Field test results indicated that those who received the video were not more likely to complete the survey instrument. The second data collection experiment evaluated the use of response propensity modeling to target cases with low likelihood of response, with the goal of improving weighted response rates and thereby minimizing nonresponse bias. Results showed that additional monetary incentives did increase response rates for the majority of the sample members, but not for those individuals near the highest and lowest propensity scores. Field test results did not show a reduction in bias as a result of the additional incentives offered to treatment cases.

1.5 Planned Changes for the Full-Scale Study

The final chapter of this report summarizes the changes planned for the B&B:08/12 full-scale study, based on the results of the field test. Key changes for the full-scale study include the following:

- The employment section will be revised to prioritize completeness of job history over detail for specific jobs.
- Occupation coder results will be supplemented by external data matching.
- In contrast to the a priori, propensity-based bias reduction approach tested in the field test, the full scale study will include an experiment that tests one group-level and one individual-level responsive design methodology in an effort to reduce nonresponse bias.
- Incentive amounts will be restructured so that those most likely to respond will be offered \$20, those least likely to respond will be offered \$55, and all others will be offered \$35. Additionally, incentives may increase during the survey, based on the responsive design measures.

Chapter 2.

Design and Outcomes

This working paper describes the design, methodological procedures, and related evaluations for the 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) field test. RTI International is conducting the B&B:08/12 field test data collection and subsequent full-scale study for the National Center for Education Statistics (NCES) of the U.S. Department of Education's Institute of Education Sciences (Contract No. ED-05-CO-0033).

This chapter provides detail about the field test sampling design and procedures, interview design, data collection procedures, and the outcomes of the data collection. Unless otherwise indicated, a criterion probability level of .05 was used for all tests of significance conducted for the B&B:08/12 evaluations. Throughout this document, reported numbers of sample institutions and sample members have been rounded to ensure the confidentiality of the individual. As a result, row and column entries in tables may not sum to their respective totals, and reported percentages may differ somewhat from those that would result from these rounded numbers.

2.1 Sampling

This chapter describes the design of the B&B:08/12 field test sample, which has four stages. The first two stages occurred during The 2007–08 National Postsecondary Student Aid Study (NPSAS:08) field test study, when samples of NPSAS eligible institutions and students within institutions were selected. The third stage was in the first follow-up, when all confirmed and potential baccalaureate recipients from NPSAS:08 were included in the B&B:08/09 field test sample. The fourth stage is for the second follow-up, when all eligible sample members from B&B:08/09 (as determined by the B&B:08/09 interview and the transcripts) are included in the B&B:08/12 field test.

This chapter describes the institution and student respondent universes. The steps used to select the institution and student samples for the base-year (NPSAS:08) field test, as well as the steps used in the NPSAS:08 and B&B:08/09 field tests to determine the B&B:08/09 and B&B:08/12 field test samples, respectively, are presented.

2.1.1 Respondent Universe

The respondent universe for the B&B:08/12 field test was identified using the same criteria and processes outlined in section 2.1 of the main report, with the exceptions that field test sample members

- consisted of students who completed requirements for a bachelor's degree during the 2006–07 academic year; and
- were identified from the NPSAS:08 and B&B:08/09 field tests.

To be eligible for the NPSAS:08 field test, students had to be enrolled in a NPSAS eligible institution in any term or course of instruction at any time from July 1, 2006, through June 30, 2007. Students also had to meet the requirements identified in section 2.1 of the main report.

2.1.2 Samples

The B&B:08/12 field test student sample consisted of all B&B:08/09 field test eligible interview respondents, including those who were not NPSAS:08 interview respondents.¹ All B&B:08/09 field test interview nonrespondents were also included in the B&B:08/12 field test sample, including those who were not NPSAS:08 interview respondents.² The NPSAS:08 field test institution and student samples, and B&B:08/09 and B&B:08/12 field test student samples, are described in this section.

To be eligible for B&B, students had to complete requirements for a bachelor's degree between July 1, 2006, and June 30, 2007. Given that institutions were asked to identify potential bachelor's degree recipients before degree completion, the number of those who would actually complete their degree was expected to be lower. Therefore, NPSAS sampling rates for those identified by the sample institutions as potential baccalaureate recipients and other undergraduate students were adjusted to determine the expected sample sizes after accounting for expected *false positives*.³ The *false positives* experienced in NPSAS:2000 (the most recent NPSAS to include a B&B base-year cohort) were used to set appropriate sampling rates for the NPSAS:08 field test.⁴

B&B:08/09 field test student sample. The total B&B:08/09 field test sample size was 1,820. The NPSAS:08 field test yielded about 1,220 interview respondents who were confirmed to be bachelor's degree recipients. The base-year sample also included about 600 interview nonrespondents who were either classified as potential bachelor's degree recipients in the student institution records obtained through computer-assisted data entry (CADE) or were identified as such according to the initial classification by the NPSAS sample institution at the time of student sampling (prior to base-year data collection). Table 1 shows the distribution of the B&B sample, by NPSAS:08 interview response status and B&B eligibility.

Table 1. Distribution of the B&B:08/09 field test sample, by NPSAS:08 field test interview response status and B&B eligibility: 2008

NPSAS:08 field test interview status	B&B eligibility	Count
Total		1,820
Interview respondent	Bachelor's receipt confirmed in interview	1,220
Interview nonrespondent	Bachelor's receipt confirmed in student records	410
Interview nonrespondent	Listed as potential bachelor's recipient	190

NOTE: CADE = computer-assisted data entry; NPSAS = National Postsecondary Student Aid Study. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09) Field Test.

B&B:08/12 field test student sample. The B&B:08/12 field test sample included 1,590 sample members. To determine this sample size, the B&B:08/09 field test sample was the starting

¹ The term "student" is used to refer to sample members, although at the time of the B&B:08/12 study, many of the sample members were not students.

² The nonrespondents exclude students who were determined to be ineligible based on the interview or transcript.

³ False positives are students sampled as bachelor's degree recipients who are not actually bachelor's degree recipients.

⁴ In NPSAS:2000, 13 percent of students identified by the sample institution as potential baccalaureate recipients at the time of sampling were later determined during the interview to be other undergraduate or graduate students. The false negative rate (percentage of students not sampled as bachelor's degree recipients who are actually bachelor's degree recipients) was 3 percent for those identified at the time of sampling as other undergraduate or graduate students but determined during the interview to be baccalaureate degree students. Given that potential baccalaureates were identified earlier in NPSAS:08 than in NPSAS:2000, a false positive rate of 15 percent was assumed for sampling purposes, and the false negative rate was ignored because it was expected to be minimal.

point, and ineligible and deceased cases were excluded. Ineligibles were determined in the B&B:08/09 interview or from the transcript. Table 2 shows the determination of the sample size. The distribution of this sample by prior response status is shown in table 3.

Response rates among sample members who responded to the previous survey are generally expected to be high. However, the B&B:08/12 field test sample included some sample members who were nonrespondents to the first follow-up or the base-year study, or both, and experience suggested that the response rates among these sample members would be very low. Due to the limited amount of time to pursue difficult cases in the field test, the yield was expected to be at least 900 interviews (a response rate of about 57 percent). The field test experiments (described in section 3.2.5) provided an opportunity to evaluate whether nonresponse among prior-round nonrespondents, and the resulting bias, can be minimized.

Table 2. Determination of the B&B:08/12 field test sample from the B&B:08/09 field test sample: 2011

B&B:08/09 status	Count
Total	1,820
Eligible	1,590
Ineligible	230

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

Table 3. Distribution of the B&B:08/12 field test sample, by field test interview response status for NPSAS:08 and B&B:08/09: 2011

NPSAS:08 field test interview status	B&B:08/09 field test interview status	Count
Total		1,590
Respondent	Respondent	940
Respondent	Nonrespondent	220
Nonrespondent	Respondent	220
Nonrespondent	Nonrespondent	220

NOTE: NPSAS = National Postsecondary Student Aid Study. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

2.2 Interview Design and Reinterview Analysis

The purpose of the B&B:08/12 field test was to fully test all procedures, methods, and systems of the study in a realistic operational environment prior to implementing the full-scale study. This chapter provides an overview of the interview design and systems, data collection and outcomes, and an evaluation of the interview.

2.2.1 Interview Design

B&B:08/12 interview content was based on previous interviews created for B&B:93 and B&B:2000 cohorts and on the B&B:08/09 interview. The field test included data elements developed with input from the study's Technical Review Panel (TRP) and from NCES. (See appendix A for a list of TRP members.)

Core data elements maintained in the B&B:12 field test interview included degree attainment, continuing or graduate education, employment, debt and finances, family formation, volunteerism, and interest in or preparation for K–12 teaching. Additionally, information on teachers' professional experiences was collected to allow a comparison of teaching professions with other occupations. Of particular relevance to B&B:08/12 are questions concerning whether U.S. colleges and universities are preparing enough graduates in the fields of science, technology, engineering, and mathematics (STEM) and whether college graduates with training in these fields are using that training in the workplace or pursuing graduate education in STEM fields. Items to address these research questions were included in the B&B:08/12 field test.

Development of the B&B:08/12 interview included conducting cognitive interviews to provide feedback on the survey. A total of 24 cognitive interviews were conducted in March and April 2011. The cognitive interview process was designed to elicit respondent feedback to broad questions about terminology, experiences, and decisions related to their continued education, employment, and interest and preparation for K–12 teaching. The 24 respondents were divided into three groups of particular interest: those enrolled in postbaccalaureate education, those who graduated with a bachelor's degree in a STEM field, and those who had prepared for or were interested in teaching at the K–12 level. The feedback helped construct new items of interest and refine current survey items.

Help text also aided in standardizing the data collected. Each question form in the survey included access to help text that provided details about interview questions and often provided definitions of unfamiliar terms contained in the questions or response options. Respondents could access help text by clicking on the button located under each question in the bottom center portion of the screen and, in some cases, by clicking on linked keywords in the item text (the results of the experiments are discussed in section 2.3). Pop-up messages were used to clarify any inconsistent or out-of-range values entered by respondents.

Once the instrument was developed and programmed, rigorous testing was conducted. Project staff and NCES used mock scenarios to test the skip logic, question wording, screen layout, and overall efficiency of the instrument. To identify any potential problems, testing was done from a variety of locations, using a range of connection options, and at various times of day. The entire instrument development process was facilitated by the use of RTI's Hatteras system (described in detail in section 1.3). The use of Hatteras allowed project staff to coordinate testing efforts with NCES.

The reliability of responses to interview questions was evaluated through a reinterview containing 29 selected items from the main interview (described in section 3.5.4). Reinterviews were conducted approximately 3 to 4 weeks after the initial interview and generally in the same administration mode as the initial interview. To permit analysis of the reliability of the 29 items, a subsample of approximately 320 interview respondents was randomly selected for reinterview.

2.2.2 Reinterview Analysis

An important element of data quality in survey research is the reliability of self-reported responses to interview questions. One method of measuring reliability involves *temporal stability*, or how constant responses remain over time. That is, do the survey questions evoke the same responses from study members at time one and time two? To evaluate the reliability of responses collected in the B&B: 08/12 field test interview, a reinterview containing items selected from the main field test interview was developed. Items were selected for the reinterview because they were

assumed to be temporally stable and most were newly designed or critical main interview items, or both.

A random sample of about 320 respondents who had completed a full main interview was selected for reinterview. The reinterview sample was contacted beginning 3 weeks after completion of the main interview and asked to complete the reinterview. The interview was completed by 220 respondents (69 percent).

Sample members selected for reinterview were allowed to complete the reinterview either by web or by telephone. Of the 220 respondents who completed the reinterview, 150 (68 percent) completed by web and 70 (32 percent) completed by telephone. The majority of respondents who completed the initial interview by telephone also completed the reinterview by telephone (97 percent). However, of those who completed the initial interview by web, approximately 19 percent switched modes and completed the reinterview by telephone (table 4).

Table 4. Reinterview response, by main interview and reinterview completion modes: 2011

Reinterview completion mode	Total		Main interview completion mode			
	Number	Percent	Number	Percent	Number	Percent
Total selected for reinterview	320	100.0	260	82.9	50	17.1
Total completed interviews	220	69.6	190	71.0	30	63.0
Web	150	69.1	150	81.2	#	2.9
Telephone	70	30.9	40	18.8	30	97.1

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

Table 5 shows reliability estimates for the items included in the reinterview. For each item, the number of cases, percentage agreement between the interview and reinterview, and relational statistic are shown. For discrete items, percentage agreement was based on the extent to which responses to the initial interview matched exactly to the reinterview responses. For continuous items, responses were considered in agreement if the initial interview responses were within one standard deviation of the reinterview responses.

The relational statistics quantified the strength of association between the pairs of items being compared; for each statistic, 1.00 was indicative of a perfect correlation (i.e., an exact match between the item on the initial interview and the same item on the reinterview for all respondents). The relational statistic, Cramer's V , was used for items with discrete, unordered response categories (e.g., yes/no). Kendall's τ_{ab} (τ_b) estimated the relationship between items with ordered categories (e.g., excellent, fair, poor). Lastly, the Pearson product-moment correlation coefficient (r) was used for items with interval responses (e.g., salary).

Table 5. Reliability estimates for items included in the reinterview, by interview section: 2011

Section and item	Item label	Number of cases	Percent agreement	Relational statistic
Postbaccalaureate Education				
B12CALTAMT01	Earnings if not enrolled in postbaccalaureate degree - number	50	84.9	0.55 ¹
B12CALTTIM01	Earnings if not enrolled in postbaccalaureate degree - time frame	50	84.3	0.66 ²
B12CEFUTIN01	Expected salary after postbaccalaureate degree - number	60	96.6	0.50 ¹
B12CEFUTTM01	Expected salary after postbaccalaureate degree - time frame	60	94.7	0.81 ²
B12CEOUTLN	Stress from education-related debt	40	43.2	0.65
B12CFINBLO01	Postbaccalaureate school financial aid type - private loans	60	88.9	0.42
B12CFINTR01	Postbaccalaureate school financial aid type - employer assistance	60	93.7	0.74
B12CFINFEL01	Postbaccalaureate school financial aid type - fellowships	60	95.2	0.83
B12CFINGR01	Postbaccalaureate school financial aid type - grants or scholarships	60	84.1	0.67
B12CFINNON01	Postbaccalaureate school financial aid type - none	60	98.4	0.92
B12CFINPL01	Postbaccalaureate school financial aid type - personal loan	60	88.9	0.42
B12CFINSLO01	Postbaccalaureate school financial aid type - federal student loans	60	95.2	0.91
B12CPSTGRD	Enrolled in additional degree program since bachelor's degree	190	82.4	0.65
Postbaccalaureate Employment				
B12DCURL01	Job 1 - part of career	190	80.9	0.60
B12DEMPAMT01	Job 1 - starting salary amount	180	83.5	0.67 ¹
B12DEMPCUR01	Job 1 - currently working	190	82.2	0.62
B12DEMPHRS01	Job 1 - hours per week	180	90.1	0.75 ¹
B12DEMPTIM01	Job 1 - starting salary time frame	180	81.6	0.68 ²
B12DINTEND01	Job 1 - chose bachelor's field of study intending to work in that field	120	79.3	0.57
B12DLNEMP	Same job if graduated with same credentials but no loan debt	80	80.3	0.49
B12DNSF19B01	Job 1 - related to major	190	74.9	0.62
B12DOTHJOB01	Job 1 - any other jobs since bachelor's degree	190	83.0	0.64
B12DTNGCOMM	Type of employer training in past year - communication training	190	73.8	0.48
B12DTNGMNG	Type of employer training in past year - management training	180	74.3	0.40
B12DTNGPOS	Type of employer training in past year - position-specific training	190	80.6	0.55
B12DTNGSAFE	Type of employer training in past year - safety and compliance training	190	81.7	0.60
B12DTNGSKL	Type of employer training in past year - remedial training	180	94.5	0.43
Student Background				
B12FRETIR	Respondent has retirement account	190	90.9	0.79
B12FSELLPO	Result of the sale of all major possessions	190	72.0	0.52

¹ Pearson's product-moment correlation coefficient *r* was used.² The relational statistic presented is Kendall's *tau b*.

NOTE: The relational statistic presented is Cramer's *V*, unless otherwise footnoted. This table excludes cases where the number of respondents is less than 30. In the case of loops, only responses for the first iteration are shown. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

Percentage agreement was generally high between the main interview and the reinterview. The five highest agreement items were in the Postbaccalaureate Education section, with agreement ranging from 95 percent to 98 percent. Three of the five items with the highest agreement were related to the types of financial aid the respondent received.

The item with the lowest percentage agreement was in the Postbaccalaureate Education section, *Stress from education related debt* (43 percent). The low level of agreement for this item may indicate that the temporal component of the concept was vague; that is, respondents were not sure whether to answer based on their current level of stress or their overall level of stress. Asking about the respondent's overall level of stress in the full-scale interview may increase the reliability of this item. The remaining items all have a percentage agreement higher than 80 percent.

The highest agreement item in the Postbaccalaureate Employment section was *Type of employer training in past year - remedial training* (95 percent). The lowest agreement item was *Type of employer training in past year - communication training* (74 percent). Only four items in this section had a percentage agreement less than 80 percent.

The item with the second lowest percentage agreement was *Result of the sale of all major possessions* (72 percent). The low relational statistic for this item (.52) also suggested that improvements to this question should be explored in the remaining cognitive interview sessions. The only other item in the Student Background section, *Respondent has retirement account*, had a percentage agreement of 91 percent.

Overall, the results of the reinterview analysis indicate the survey was very reliable. The majority of items have a percentage agreement of 80 percent or higher. Only one item had a percentage agreement less than 70 percent.

2.3 Experiments

Several experiments were conducted as part of the B&B:08/12 field test. The purpose of these experiments was to inform the instrument design and data collection procedures for the full-scale data collection. The following section discusses the design, implementation, and results of the instrumentation; data collection; and help text experiments conducted in the B&B:08/12 field test.

2.3.1 Instrumentation Experiments

Multiple instrumentation experiments were conducted in the B&B:08/12 field test. The first experiment examined differences in the use of vertical and horizontal visual analog scales (VASs) in conjunction with real-time feedback displays (RTFDs), compared to radio buttons without an RTFD. For these items the RTFD was a “bucket” that filled or emptied as the respondent moved a slider (figure 1). A second experiment compared radio buttons and VASs, both without feedback displays.

Visual Analog Scales (VAS) Experiment. The use of horizontal and vertical VASs with real-time feedback was compared to radio buttons without real-time feedback for an item that collected data on the percentage of out-of-pocket educational expenses. There were two versions of the feedback display, one vertical and one horizontal. The results obtained from the VASs were compared to the results from the radio button version of the same question. The three question versions are shown in figure 1.

Figure 1. A survey question using a horizontal visual analog scale (VAS), a vertical VAS, and a radio button: 2011

Vertical VAS with RTFD

About what percent of your educational costs for you at were covered by the aid you just mentioned, and what percentage of your educational costs did you pay out of your own pocket?

(Use your mouse to move the slider to your desired value.)

Percent of educational costs paid by financial aid or assistance 70%

(Percent of educational costs paid out of your own pocket 30%)

Horizontal VAS with RTFD

About what percent of your educational costs for you at were covered by the aid you just mentioned, and what percentage of your educational costs did you pay out of your own pocket?

(Use your mouse to move the slider to your desired value.)

Percent of educational costs paid by financial aid or assistance 70%

(Percent of educational costs paid out of your own pocket 30%)

0% 100%

Radio button

About what percent of your educational costs for you at were covered by the aid you just mentioned, and what percentage of your educational costs did you pay out of your own pocket?

Covered by aid	Out-of-pocket
<input type="radio"/>	0%
<input type="radio"/>	10%
<input type="radio"/>	20%
<input type="radio"/>	30%
<input type="radio"/>	40%
<input type="radio"/>	50%
<input type="radio"/>	60%
<input checked="" type="radio"/>	70%
<input type="radio"/>	80%
<input type="radio"/>	90%
<input type="radio"/>	100%

NOTE: RTFD = real-time feedback display.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

Item nonresponse does not vary significantly across the layout types, but the three versions produced significantly different distributions (table 6). Rank sums were significantly higher for the vertical slider and radio button versions compared to the horizontal slider, indicating that those who saw the horizontal layout reported a smaller percentage of out-of-pocket expenses ($\chi^2 = 11.30$, $p < .001$, $\chi^2 = 8.12$, $p = .01$). Response times for the vertical, horizontal, and radio button layouts were 29.3 seconds, 34.5 seconds, and 23.2 seconds, respectively. The radio button version took the least time to complete and was significantly faster than the horizontal bucket slider ($t(297) = 3.79$, $p < .001$).

Table 6. Distribution of responses to B12CAIDCST01: "About what percent of your educational costs for your [degree] at [school] were covered by the aid you just mentioned?", by slider type and radio button: 2011

Responses	Vertical slider		Horizontal slider		Radio button	
	Number	Percent	Number	Percent	Number	Percent
Total	190	100.0	200	100.0	220	100.0
0	30	17.0	40	21.5	40	17.3
10	10	3.4	30	16.2	10	4.9
20	#	0.6	10	4.7	#	1.6
30	#	1.7	10	6.3	10	3.3
40	#	#	10	2.6	#	1.6
50	10	2.8	10	4.7	10	2.9
60	10	2.8	10	2.6	#	0.8
70	10	4.0	10	3.1	20	7.8
80	20	10.2	#	1.0	20	9.1
90	40	22.7	10	5.8	30	13.6
100	60	34.7	60	31.4	80	37.0

Rounds to zero.

NOTE: Total includes valid responses only. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

Radio button experiment. A more general comparison of VASs and radio button layouts was also conducted. Four experimental item versions were evaluated in terms of response rates, response distributions, and time to complete: a 5-point slider with midpoints, a 10-point slider, a 10-point radio button, and a 5-point radio button with midpoints. Figure 2 shows examples of the slider layouts, and figure 3 shows examples of radio button layouts.

Figure 2. Slider layout: 2011

5-point slider
<p>Job title:</p> <p>With 1 being "very dissatisfied" and 5 being "very satisfied," indicate how satisfied you were with each of the following areas in this job:</p> <p>Compensation (pay and fringe benefits)?</p> <p>(Use your mouse to move the slider to your desired value.)</p> <p style="text-align: center;">Please choose a value:</p> <div style="text-align: center;">  <p>1 (Very dissatisfied) 5 (Very satisfied)</p> </div>
10-point slider
<p>Job title:</p> <p>With 1 being "very dissatisfied" and 10 being "very satisfied," indicate how satisfied you were with each of the following areas in this job:</p> <p>Compensation (pay and fringe benefits)</p> <p>(Use your mouse to move the slider to your desired value.)</p> <p style="text-align: center;">The value you have chosen:</p> <div style="text-align: center;">  <p>1 (Very dissatisfied) 10 (Very satisfied)</p> </div>

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

Figure 3. Radio button layout: 2011

5-point radio button																																	
<p>Job title:</p> <p>With 1 being "very dissatisfied" and 5 being "very satisfied," indicate how satisfied you were with each of the following areas in this job:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>1 (Very dissatisfied)</th> <th>1.5</th> <th>2</th> <th>2.5</th> <th>3</th> <th>3.5</th> <th>4</th> <th>4.5</th> <th>5 (Very satisfied)</th> </tr> </thead> <tbody> <tr> <td>Compensation (pay and fringe benefits)?</td> <td><input type="radio"/></td> </tr> <tr> <td>Importance of your work?</td> <td><input type="radio"/></td> </tr> </tbody> </table>		1 (Very dissatisfied)	1.5	2	2.5	3	3.5	4	4.5	5 (Very satisfied)	Compensation (pay and fringe benefits)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Importance of your work?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
	1 (Very dissatisfied)	1.5	2	2.5	3	3.5	4	4.5	5 (Very satisfied)																								
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	1 (Very dissatisfied)	2	3	4	5	6	7	8	9	10 (Very satisfied)																							
Compensation (pay and fringe benefits)?	<input type="radio"/>																																
Importance of your work?	<input type="radio"/>																																

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

There were no significant differences in the distribution of responses or item nonresponse when comparing the 5-point radio button to the 5-point slider. Similarly, there were no significant differences in distribution of responses when comparing the 10-point radio button to the 10-point slider.

There were no significant differences in the amount of time it took to complete questions using a 5-point slider versus a 5-point radio button with midpoints; however, there were significant differences between the 10-point slider and the 10-point radio button, with the slider taking significantly longer than the radio button on the following forms:

- B12DJOB SAT01 – Job Satisfaction
- B12DNJYA01 – Job Satisfaction
- B12DPARSUP01 – Parental Support

The average times for the 10-point slider version and the 10-point radio button versions of B12DJOB SAT01 were 36.7 seconds and 29.1 seconds, respectively ($t(553) = 3.36, p < .001$). The average times for the 10-point slider version and the 10-point radio button versions of B12DNJYA01 were 26.8 seconds and 19.2 seconds, respectively ($t(553) = 3.66, p < .001$). The average times for the 10-point slider version and the 10-point radio button versions of B12DPARSUP01 were 14.3 seconds and 11.8 seconds, respectively ($t(461) = 2.16, p < .05$). Timing information for each of the response layouts is shown in table 7.

Table 7. Average completion time, in seconds, of job satisfaction and support forms, by form version: 2011

Form	5-point slider with decimals		5-point radio button with decimals		10-point slider		10-point radio button	
	Number	Average time	Number	Average time	Number	Average time	Number	Average time
B12DJOB SAT01 – Job Satisfaction	260	35.1	190	34.6	280	36.7	280	29.1
B12DNJYA01 – Job Satisfaction	260	22.7	190	23.6	280	26.8	280	19.2
B12DNJYB01 – Job Satisfaction	260	23.2	190	24.4	280	24.8	280	21.7
B12DPARSUP01 – Parental Support	220	15.5	160	14.0	240	14.3	230	11.8
B12DSPPSUP01 – Spousal Support	100	16.3	100	11.4	120	11.8	120	9.7

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

2.3.2 Data Collection Experiments

As part of the B&B:08/12 field test, the benefits of using a priori propensity scoring and incentive targeting to reduce nonresponse bias were evaluated. The method to estimate nonresponse bias and the variables used are described in appendix E. Nonresponse bias was computed once for all cases and again for all cases with low propensity cases treated as nonrespondents. Additionally, nonresponse bias was computed separately for

- high propensity cases;
- low propensity cases;
- low propensity cases in the control group;
- low propensity cases in the experimental group;
- high propensity cases combined with low propensity control group cases; and

- high propensity cases combined with low propensity experimental group cases.

The first two comparisons were to show if there was nonresponse bias due to low propensity cases, and the last two comparisons were to show if the response propensity experiment successfully reduced nonresponse bias among low propensity cases. Table 8 shows the results of the comparisons. None were statistically significant.

Table 8. Summary of student nonresponse bias analysis, by propensity group: 2011

Propensity group	Mean relative bias	Median relative bias	Percent significant bias
All cases	4.17	3.85	30.8
All with low propensity cases treated as nonrespondents	6.84	2.40	26.9
Only high propensity	7.29	5.74	12.0
Only low propensity	3.94	2.27	7.7
Low propensity only			
Incentive amount same as offered in B&B:08/09 (control)	4.08	3.27	7.7
Incentive amount \$15 more than offered in B&B:08/09 (treatment)	7.01	5.29	3.8
High propensity with			
Low propensity control	4.22	4.06	7.7
Low propensity treatment	7.05	5.05	26.9

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

A second data collection experiment focused on a short YouTube video aimed at increasing response rates was also conducted. No difference was found in response rates between sample members who did and did not receive the informational video.

2.3.3 Help Text Experiments

Two experiments were conducted with the B&B:08/12 field test help text: (1) the impact of inline hyperlinks on help text use and (2) the impact of item-specific wording on the help text button versus generic wording. Item-specific wording included the phrase “Help with this question,” and the generic wording was “Help.”

Respondents saw four possible combinations of the help text button experiment treatments:

- item-specific wording with a hyperlink;
- item-specific wording without a hyperlink;
- generic wording with a hyperlink; and
- generic wording without a hyperlink.

Figure 4 shows the question with and without hyperlinks and the help text button with item-specific and generic wording.

Figure 4. Survey question with and without hyperlinks and help text button with item-specific and generic wording: 2011

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

When hyperlinks were present, respondents were significantly more likely to access help text than when there were no hyperlinks. Table 9 shows the percentage of respondents accessing help text when a hyperlink was present and when it was not, within the two help text button formats. Within the item-specific wording treatment, the percentage of respondents accessing help text was 35 percent when hyperlinks were present and 15 percent when they were not ($\chi^2 = 29.77, p < .0001$). Within the generic wording treatment, the percent of respondents accessing help text was 36 percent when hyperlinks were present and 9 percent when they were not ($\chi^2 = 54.21, p < .0001$). When hyperlinks were not present, respondents were significantly more likely to access help when they were presented with the item-specific wording versus the generic wording ($\chi^2 = 4.44, p = .0351$).

Table 9. Percentage and average number of times help text was accessed, by help text experimental conditions: 2011

Help text experimental conditions	Number of web completes	Number of respondents accessing help text	Percent accessing help text	Average number of times help text accessed
Item-specific wording				
With hyperlink	270	90	35.1	1.6
Without hyperlink	270	40	14.8	1.5
Generic wording				
With hyperlink	240	90	36.1	1.7
Without hyperlink	260	20	8.9	1.7

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) Field Test.

2.4 Recommendations for the Full-Scale Study

The 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12) field test was conducted to test and evaluate study methods and results prior to implementation of the full-scale study. The following recommendations are based on the field test experience.

B&B:08/12 full-scale sample. The B&B:08/12 full-scale sample will consist of all B&B:08/09 eligible respondents and all B&B:08/09 nonrespondents. The sample size will be 17,160. The expected yield is about 14,500, given an expected eligibility rate of 95 percent among the B&B:08/09 nonrespondents and an expected 85 percent response rate.

The B&B:08/09 full-scale study included 18,500 sample members and consisted of those who were confirmed to be baccalaureate recipients in the 2007–08 National Postsecondary Student Aid Survey (NPSAS:08) interview and also a subsample of potential baccalaureate recipients who were not interviewed in NPSAS:08. There were three types of nonrespondents in B&B:08/09:

- a sample member who responded to the NPSAS:08 interview but did not respond to the B&B:08/09 interview (referred to henceforth as a *first follow-up nonrespondent*);
- a sample member who did not respond to the NPSAS:08 interview but did respond to the B&B:08/09 interview (referred to henceforth as a *base-year nonrespondent*); and
- a sample member who did not respond to either the NPSAS:08 or B&B:08/09 interviews (referred to henceforth as a *double nonrespondent*).

Table 10 shows the distribution of the B&B:08/09 full-scale sample by prior response status.

Table 10. Distribution of the B&B:08/09 full-scale sample, by interview response status for NPSAS:08 and B&B:08/09: 2010

NPSAS:08 full-scale interview status	B&B:08/09 full-scale interview status	Count
Total		17,160
Respondent	Respondent	14,830
Respondent	Nonrespondent	1,880
Nonrespondent	Respondent	220
Nonrespondent	Nonrespondent	230

NOTE: Many of the 2007–08 National Postsecondary Student Aid Survey (NPSAS:08) interview nonrespondents were study respondents and therefore have some NPSAS data. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09).

Alternative sample designs were considered for the full-scale study, including subsampling first follow-up and double nonrespondents or excluding double nonrespondents. The decision to include all B&B:08/09 nonrespondents in the B&B:08/12 sample was reached after evaluating the implications of including, subsampling, or excluding nonrespondents. It was determined that including all nonrespondents may do the following:

- Be feasible, given the 35 percent response rate for double nonrespondents and the 49 percent response rate for first follow-up nonrespondents in the B&B:08/12 field test;
- Help reduce the nonresponse bias that exists in the B&B:08/09 data;
- Improve the donor pool for imputation;
- Improve the power and precision for analyses;
- Be useful for future analyses using transcript data because there are transcript data for some of the interview nonrespondents;

- Be beneficial for possible future follow-ups of the B&B:08/09 cohort;
- Improve the variance over subsampling due to a potential increase in unequal weighting if subsampling were to be done;
- Affect the time, effort, and cost necessary to obtain interviews; and
- Reduce the overall response rate.

Interview data collection. The field test data collection experience is used to inform plans for the full-scale study. Based on feedback from interviewing staff, the full-scale training protocol will be adjusted to include

- additional practice on the CATI-CMS;
- additional review of frequently asked questions,
- expanded training on conversational interviewing, and
- more detailed coverage of interviewer instructions.

The full-scale study will continue to use previously proven tracing and locating methods and, possibly, a monetary incentive for participants who update their address.

Electronic communications have proved to be an effective way to contact sample members. For the full-scale study, sample members will continue to receive postcards, e-mails, and text messages to remind them that they have been selected for the study, to provide easy access to the web survey, and to encourage their participation.

Several experiments were conducted in the field test. A response propensity approach was evaluated to assess its ability to minimize nonresponse bias. Results demonstrated that the response propensity approach was not successful in reducing bias; however, higher incentives were significantly related to increased response for medium-propensity cases (i.e., those at the high end of the low-propensity range and those at the low end of the high-propensity range). These results suggest a three-tiered incentive structure for the full-scale study. Proposed incentive amounts are as follows:

- \$20 to the highest-propensity cases (the top 30 percent);
- \$35 to the medium-propensity group (the middle 40 percent); and
- \$55 to the lowest-propensity cases (the bottom 30 percent).

Due to the lack of success in reducing nonresponse bias in the field test, a revised nonresponse experiment will be carried out in the full-scale study. The revised experiment will evaluate the effectiveness of responsive design methodologies based on group and individual metrics that are intended to identify and strategically target the cases most likely to contribute to nonresponse bias.

A field test experiment examined the effectiveness of an informational video describing the study on response rates. Results showed that the YouTube video did not increase response rates among those who viewed it; however, the video will be used in full-scale data collection to help capitalize on any effect that repeated exposures may have to positively influence response to future follow-up studies with this cohort.

The experiment comparing radio button to slider response options revealed no observable differences in response rates or response distributions; however, the radio button version took significantly less time to complete than the slider option. When comparing 10-point whole number scales to 5-point scales which allowed decimals (e.g., 2.5 points), once again, no differences in response distribution or response rates were seen, but whole number scales took less time to complete. Drawing from these results, the full-scale instrument scales will be 5-point radio buttons, with no decimals.

An experiment designed to evaluate help text use compared help text access methods to identify those that resulted in the highest use. Respondents saw either a general or an item-specific help button at the bottom of the screen and, within those conditions, half of the respondents were provided with a hyperlink to the help text in the question wording. When help text was presented as a hyperlink within the question wording, respondents were significantly more likely to access the help text compared to when the hyperlinks were absent. In addition, when help text hyperlinks were not present, the item-specific button significantly increased the use of help text. Based on these results, the full-scale study will incorporate question wording with hyperlinks on selected terms and the item-specific button into the instrument.

Generally, field test data indicated no substantial problems with the B&B:08/12 interview during data collection. However, revisions to specific questions in the field test interview will be made for the full-scale interview. These revisions are based on analysis of field test data, feedback from a Technical Review Panel meeting conducted in November 2011, and feedback from cognitive interviews with approximately 30 respondents.

A major change to the full-scale instrument will involve the way employment history is collected. Employment data will be collected by employer, rather than by job. Respondents will be asked for their employer(s) and the starting and ending (or current) date(s), along with any periods of leave and the reason for the leave. The full-scale instrument will also collect the date of birth for all dependent children and dates of all marriages and divorces occurring since graduating from college. These changes are intended to capture a timeline of life events to help track changes that may correspond to educational and employment decisions in the years following graduation.

Several forms were added in the K–12 Teaching section and others were reorganized or reworded in order to clarify the definition of a “teaching position” for respondents. With these changes, it is possible to include both components of a teaching position—the teacher type (e.g., regular classroom teacher) and school or district name (e.g., Smith High School)—in question wording throughout the teaching position loop.

Administrative records matching recommendations. Administrative records matching procedures for the full-scale study will be very similar to procedures used in the field test for both the Central Processing System (CPS) and the National Student Loan Data System (NSLDS). A match with the CPS database for the Free Application for Federal Student Aid (FAFSA) data will occur for the 2010–11, 2011–12, and 2012–13 academic years. Students will likely be matched with the NSLDS database for federal loan and Pell Grant data at three different times during data collection. Two interim matches to obtain preliminary data and a final match prior to data delivery will be performed.

In addition to matching with CPS and NSLDS, the full-scale study will include administrative records matches with National Student Clearinghouse (NSC) for enrollment and degree data. The match with NSC will occur near the end of data collection.

Data file editing and preparation recommendations. Full-scale survey data will be edited, processed, and prepared for delivery in a manner similar to the procedures described for the field test. There are no revisions required for the full-scale plans based on the field test experience. Alternative coding methods are being evaluated in an attempt to reduce respondent burden and improve accuracy. The full-scale data collection may include components that permit the evaluation of those alternatives in more detail.

Appendix D

Data Collection Materials

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Brochure

What has been learned from previous studies?

College graduates who received bachelor's degrees in 2007-08 were interviewed again in 2009. A few selected findings from the first follow-up are presented below.

Time to complete degree

Time to Complete Degree	Percentage
4 years or less	44%
more than 4 years, but no more than 5 years	23%
more than 5 years, but no more than 6 years	9%
more than 6 years	24%

Employment in 2009

Employment Status	Percentage
one full-time job	57%
one part-time job	14%
multiple jobs	14%
unemployed	9%
not working and not looking for work	7%

Additional education and enrollment

Additional Education/Enrollment	Percentage
higher-level degree program (e.g., Ph.D., J.D., M.D.)	6%
post-bachelor's or post-master's certificate programs	2%
master's degree program	19%
another undergraduate program	3%
not enrolled	69%

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09).

To see more results, go to
<http://nces.ed.gov/pubs2011/2011236.pdf>

B&B Help Desk
1-877-262-4440
bbemail@rti.org
<https://surveys.nces.ed.gov/bb/>

For questions about the study, please contact:

Melissa Cominole
 B&B Project Director (RTI)
mcominole@rti.org
 1-866-662-8227

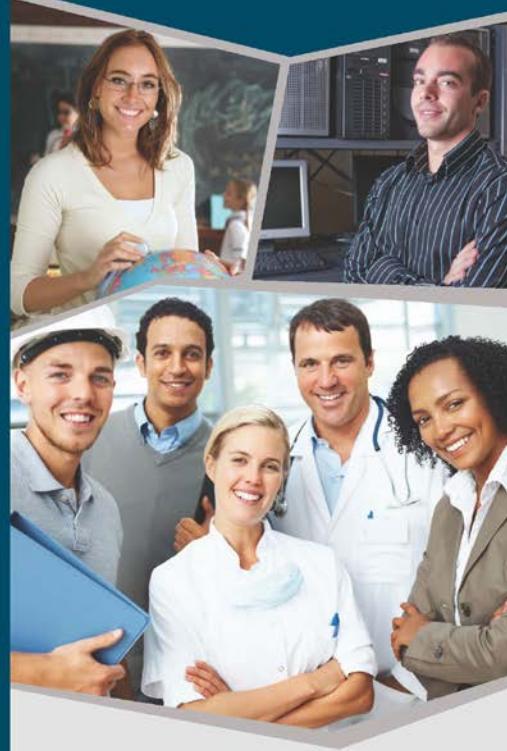
Ted Socha
 U.S. Department of Education
 B&B Project Officer (NCES)
ted.socha@ed.gov
 1-202-502-7383



National Center for Education Statistics
 Institute of Education Sciences
 U.S. Department of Education



NCES 2012-924





What is B&B?

The Baccalaureate and Beyond Longitudinal Study (B&B) will survey about 17,000 graduates from U.S. colleges and universities, to find out about their experiences approximately 4 years after earning a bachelor's degree.

The survey will collect information on graduate and other education, experiences in the labor market, earnings and expenses, family status, and personal and professional goals. In addition to survey responses, we collect related information from sources such as student loan and enrollment databases. There is a particular focus on careers in teaching and careers in science, technology, engineering, and mathematics (STEM) fields.

B&B is sponsored by the National Center for Education Statistics (NCES) in the U.S. Department of Education's (ED) Institute of Education Sciences (IES). The study is conducted under contract by RTI International, a nonprofit research organization based in North Carolina.

Why was I asked to participate?

You have been asked to participate in B&B because you completed a bachelor's degree in the 2007-08 academic year. You may have also participated in previous studies, such as the National Postsecondary Student Aid Study (NPSAS) and the first B&B follow-up study in 2009. You are one of approximately 17,000 individuals selected as part of the 2012 sample.

When will the study be conducted?

Beginning in summer 2012, a sample of 2007-08 baccalaureate recipients will be contacted to complete a B&B survey online or by telephone with a professionally trained interviewer.

RTI International is a trade name of Research Triangle Institute.

How long will it take?

On average, the survey lasts 35 minutes. Your time will vary, depending on your answers and your internet connection speed, if completing online.

Are there any benefits or risks?

The risk of participation in this study relates to data security. Given the strict security procedures in place, risks to participation are minimal.

While there are no specific benefits to you for participating in B&B, your participation will help ensure the success of the study and help educators, researchers, and policymakers better understand the experiences of recent bachelor's degree recipients.

How can I get a copy of the results?

Publications from previous studies are available free of charge on the B&B website at <http://nces.ed.gov/surveys/b&b/>. Results from the current study are scheduled to be released in spring 2014 and will be posted on the B&B website as soon as they are available.

How will my information be protected?

Federal law requires that we protect your privacy. Your responses may be used only for statistical purposes and will not be disclosed, or used, in identifiable form for any other purpose, except as required by law (20 U.S.C. § 9573).

Data security procedures are reviewed and approved by NCES/IES and ED data security staff and by RTI's Institutional Review Board in the Office of Research Protection. Your answers are secured behind firewalls and are encrypted during internet transmission using Secure Sockets Layer (SSL) protocol. All data entry modules are password protected and require the user to log in before accessing confidential data. Project staff are subject to large fines or imprisonment if individual responses are disclosed.

How do I participate?

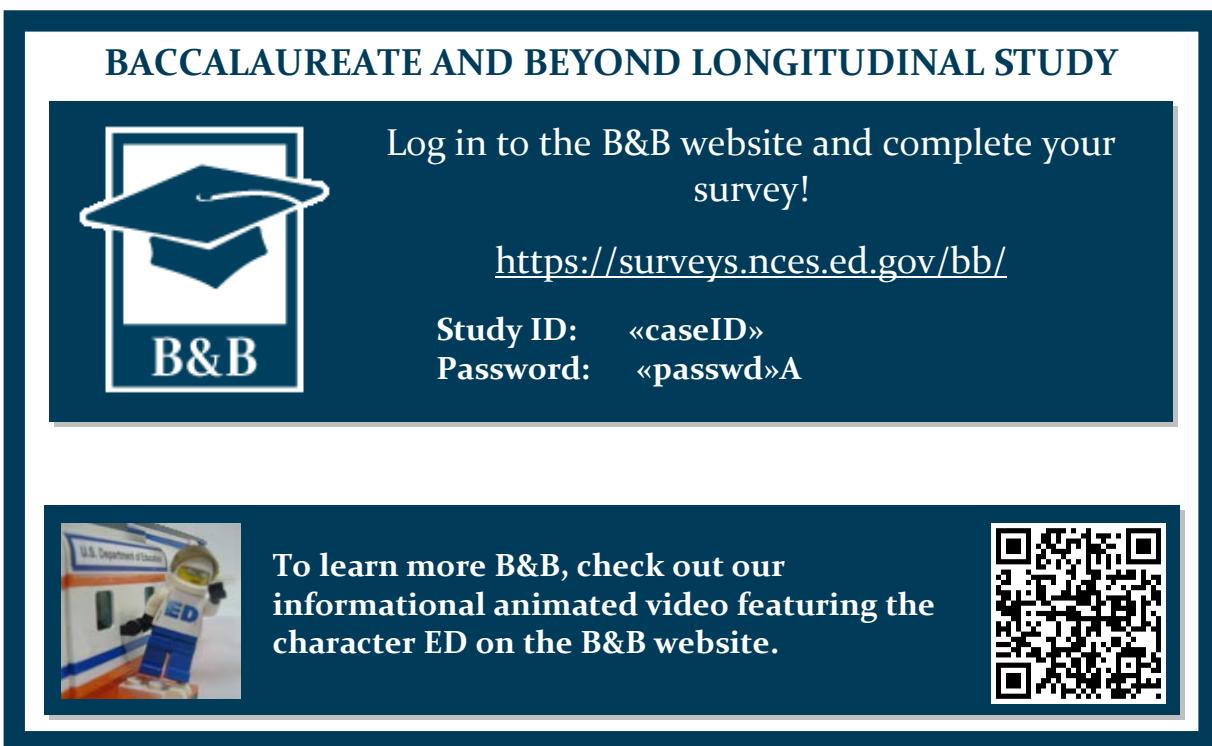
You may complete the B&B survey in one of two ways:

- 1. Online.**
Go to the study website at <https://surveys.nces.ed.gov/bb/>. Then, simply enter your Study ID and password and select login.
- 2. By telephone.**
If you prefer to complete the B&B survey by telephone, call the B&B Help Desk at **1-877-262-4440** to speak with a professionally trained interviewer.

If you need assistance, call the B&B Help Desk at **1-877-262-4440** or contact us via e-mail at bbemail@rti.org.

Your participation is very important to the success of B&B.

Thank You and Reminder Postcard



Recently, we sent you information about the Baccalaureate and Beyond Longitudinal Study (B&B). If you have already completed the survey, we would like to thank you. Your assistance is very much appreciated.

If you have not yet completed the survey, we would like to remind you that **if you complete the survey, you will receive \$«incentive»** as a token of our appreciation.

To complete the online survey over our secure website, log on to <https://surveys.nces.ed.gov/bb/>.

If you have any questions or problems while completing the online survey or would like to complete the survey over the telephone with a professionally trained interviewer, please contact the B&B Help Desk at 1-877-262-4440.

RTI International is conducting this study for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences.

Thank you.

Baccalaureate and Beyond Longitudinal Study (B&B) is a survey about the education and employment experiences of students four years after earning a bachelor's degree. RTI International is conducting this study for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. For questions regarding the survey, please call the B&B Help Desk at 1-877-262-4440, or you can e-mail us at bbemail@rti.org.

«stage301panelinfo»

Thank You and Incentive Letter

(Date)

«fname» «mname» «lname» «suffix»
«addr1»
«addr2»
«city», «state» «zip» «zip4»

Study ID: «caseid»

Dear «fname» «lname»:

On behalf of the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences and the staff of B&B, we would like to thank you for participating in the B&B survey. Your participation in B&B is very important in helping to ensure the success of the study.

Enclosed you will find a check for \$«IncAmt» as a token of our appreciation.

If you have any questions, please do not hesitate to contact us at 1-866-662-8227.

Sincerely,

Melissa Cominole

Melissa Cominole
B&B Project Director
Education Studies Division
RTI International

Edward Socha

Ted Socha
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosure

Address Information Update – Student

1. Please review your current address and phone numbers displayed in the box below.

If the information preprinted in this section is **completely correct**, check here:

If the information is not completely correct or current, **please make corrections in the space provided on the right side of the box.** If you prefer to update your locating information online, visit our secure website at <https://surveys.nces.ed.gov/bb/> and refer to your Study ID number «**caseid**».

CURRENT CONTACT INFORMATION:	PLEASE MAKE CORRECTIONS BELOW:
«<casename>» «addr1» «addr2» «city», «state» «zip» «zip4» «area1») «phone1»	Name: _____ Address: _____ _____ _____ Home phone: () — Work phone: () — Cell phone: () —

2. We will send an e-mail to let you know that data collection has begun. Please provide an e-mail address that we can use to contact you.

Primary e-mail address: _____

Alternate e-mail address: _____

3. Would you like us to send a text message to your cell phone when data collection is about to begin?
Please check one: YES NO

If yes, what cell number should we use? _____

What is your cell phone service provider (e.g. AT&T, Verizon, etc.)? _____

We ask for your cell phone service provider to enable us to identify the format of the text message we send.

Thank you for your assistance.

Please return this page in the enclosed postage-paid envelope or return to:

RTI International
 ATTN: Jeff Franklin (0209777.700.332)
 PO Box 12194
 Research Triangle Park, NC 27709-9935

For office use only:

Study ID: «<caseID>»

«<panelinfo>»/«<CTRLNUM>»

Address Information Update – Parent

1. Please review the current address and phone numbers for <<casename>> displayed in the box below.

If the information preprinted in this section is **completely correct**, check here:

If the information is not completely correct or current, **please make corrections in the space provided on the right side of the box.** If you prefer to update this information online, visit our secure website at <https://surveys.nces.ed.gov/bb/> and refer to the Study ID number «caseid».

CURRENT CONTACT INFORMATION FOR <<CASENAME>>:	PLEASE MAKE CORRECTIONS BELOW:
<<casename>> «addr1» «addr2» «city», «state» «zip» «zip4» («area1») «phone1»	Name: _____ Address: _____ _____ Home phone: () — Work phone: () — Cell phone: () —

2. We will send an e-mail to <<casename>> to announce that data collection has begun. Please provide an e-mail address that we can use to contact <<casename>>.

Primary e-mail address: _____

Alternate e-mail address: _____

3. Would you like us to send a text message to your cell phone when data collection is about to begin?
Please check one: YES NO

If yes, what cell number should we use? _____

What is your cell phone service provider (e.g. AT&T, Verizon, etc.)? _____

We ask for your cell phone service provider to enable us to identify the format of the text message we send.

Thank you for your assistance.

Please return this page in the enclosed postage-paid envelope or return to:

RTI International

ATTN: Jeff Franklin (0209777.700.332)

PO Box 12194

Research Triangle Park, NC 27709-9935

For office use only:

Study ID: <<caseID>>

<<panelinfo>>/<<CTRLNUM>>

Initial Contact Letter – Student

July 24, 2012

casenamenosuffixALLCAPS
addr1
addr2«addr2»
city, st zip

Study ID: caseid

Dear casenamenosuffix,

You have been randomly selected to participate in the Baccalaureate and Beyond Longitudinal Study (B&B), sponsored by the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. B&B will collect education, employment, and other information from you and others like you who graduated from college during the 2007–08 school year. Data collected from B&B will help educators, researchers, and policymakers better understand how earning a bachelor's degree impacts choices about further education and work. This is the second round of B&B. Whether or not you have participated in prior rounds of B&B, your participation now is critically important.

When B&B data collection begins in August 2012, you will receive a letter in a large white envelope that will provide specific information about how to participate. **The letter will explain that if you complete the approximately 35-minute survey on the Web by the date indicated, you will receive \$«incamt» as a token of our appreciation. In the meantime, we need to update our contact information for you.**

Please help us now by providing your mailing address, telephone number(s), and e-mail address(es) online at <https://surveys.nces.ed.gov/bb/>. You will also find out more about B&B at this website. As a token of our appreciation for providing your contact information, you will receive **\$10**.

NCES has contracted with RTI International to conduct B&B on its behalf. The enclosed brochure provides a brief description of B&B, findings from past studies, and a summary of our strict confidentiality procedures. If you have additional questions or concerns about the study after reviewing this material, please call the RTI study director, Melissa Cominole at 1-866-662-8227.

We thank you in advance for your participation in this important study. Your cooperation is greatly appreciated.

Sincerely,



Sharon A. Boivin
Acting Associate Commissioner
Postsecondary Studies Division
National Center for Education Statistics

To update your contact information online,
go to: <https://surveys.nces.ed.gov/bb/>

Enter Study ID number: caseid

Enclosure

«panelinfo»/«controlID»

Appendix D. Data Collection Materials

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0729. The time required to complete this information collection is estimated to average 35 minutes per response, including the time to review instructions, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving this survey, please write to: U.S. Department of Education, Washington, DC 20202-4537. If you have any comments or concerns regarding the status of your individual submission of this survey, write directly to: The 2008-12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12), National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Initial Contact Letter – Parent

Date

«Cpname» «Cpmname» «Cplname»
 «CAddr1»
 «CAddr2»
 «Ccity», «Cstate» «CZip» «CZip4»

«caseid» (Study ID number)
 «panelinfo» (RTI use only)

Dear «Cpname» «Cplname»:

The U.S. Department of Education's National Center for Education Statistics (NCES) is conducting an important study of students who graduated from college during the 2007-08 school year. The Baccalaureate and Beyond Longitudinal Study (B&B) will help educators, researchers, and policymakers better understand how earning a bachelor's degree affects students' lives and choices about further education and work. Out of all 2007-08 college graduates in the United States, «fname» was selected to participate in B&B. The enclosed brochure provides information about the study and our strict confidentiality procedures.

We will be contacting «fname» and other study participants in «start_month» to ask questions about «pronoun1» education and work experiences after graduation. We are asking for your help in updating our records so that we will be able to get in touch with «pronoun1». Only a limited number of people are selected for this study so it is extremely important that we be able to contact «pronoun1». **If «fname» completes the survey by the date provided in the announcement letter we will be sending in «start month», «pronoun1» will receive a «pronoun2» incentive as a token of our appreciation.**

Before data collection can begin, we need your help to update our records for «fname» «lname». **Please take a few minutes right now to update the enclosed Address Update Information sheet and return it in the enclosed postage-paid envelope. As a token of our appreciation for providing «fname»'s contact information, «pronoun1» will receive <<UPDATE_INC_AMT>>.**

NCES has contracted with RTI International to conduct the B&B study on its behalf. Please be assured that both NCES and RTI follow strict confidentiality procedures to protect the privacy of study participants. If you would like more information about the B&B study, please visit <http://surveys.nces.ed.gov/bb/> or call the RTI study director, Melissa Cominole at 1-866-662-8227.

We sincerely appreciate your assistance and thank you in advance for helping us conduct this important study.

Sincerely,

Sharon A. Boivin
 Acting Associate Commissioner
 Postsecondary Studies Division
 National Center for Education Statistics
 Enclosure

Announcement Letter

Date

«fname» «mname» «lname» «suffix»
«addr1»
«addr2»
«city», «state» «zip»-«zip4»

Study ID: «caseid»

Dear «fname» «lname»:

Surveys for the Baccalaureate and Beyond Longitudinal Study (B&B) are now being conducted. The survey will take about 35 minutes to complete. As a token of our appreciation, **once you complete the survey, we will mail you \$«IncAmt» check.**

You may access the survey by logging on to our secure website at <https://surveys.nces.ed.gov/bb/> using the Study ID and password provided below. **The password is case sensitive; you will need to enter it exactly as it appears here.**

Study ID = «caseid»

Password = «password»m

Enclosed you will find a brochure with a brief description of findings from prior B&B studies and our strict security procedures. Federal law requires that we protect your privacy. Your responses will be secured behind firewalls and will be encrypted during internet transmission. Your responses will be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose, except as required by law (20 U.S.C. § 9573). If you have questions, problems completing your survey online, or prefer to complete the survey over the telephone, simply call the **B&B Help Desk at 1-877-262-4440**. Your participation, while voluntary, is critical to the study's success. **You can learn more about B&B by watching a brief informational video, featuring ED, on our study website, <https://surveys.nces.ed.gov/bb/>.**

If you have any other questions or concerns about the study, please contact the B&B Project Director, Melissa Cominole, at 1-866-662-8227, mcominole@rti.org, or the NCES Project Officer, Mr. Ted Socha, at 1-202-502-7383, ted.socha@ed.gov.

Thank you in advance for making B&B a success.

Sincerely,


Melissa Cominole

Melissa Cominole
B&B Project Director
Education Studies Division
RTI International



Ted Socha
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosure

RTI USE ONLY: «panelinfo»

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0729. The time required to complete this information collection is estimated to average 35 minutes per response, including the time to review instructions, gather the data needed and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving this survey, please write to: U.S. Department of Education, Washington, DC 20202-4537. If you have any comments or concerns regarding the status of your individual submission of this survey, write directly to: The 2008-12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12), National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Thank You and Incentive Letter

Date

«fname» «mname» «lname» «suffix»
«addr1»
«addr2»
«city», «state» «zip» «zip4»

Study ID: «caseid»

Dear «fname» «lname»:

On behalf of the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences and the staff of B&B, I would like to thank you for updating your contact information for the B&B survey. Enclosed you will find a check for \$10 as a token of our appreciation. ***Once you complete the survey, we will mail you an additional \$«IncAmt - promised» check.***

Your participation in B&B is very important in helping to ensure the success of the study. You may access the survey by logging on to our secure website at <https://surveys.nces.ed.gov/bb/> using the Study ID and password provided below. ***The password is case sensitive; you will need to enter it exactly as it appears here.***

Study ID = «caseid»

Password = «password»t

If you have any questions, please do not hesitate to contact us toll-free at 1-866-662-8227.

Sincerely,


Melissa Cominole

Melissa Cominole
B&B Project Director
Education Studies Division
RTI International



Ted Socha
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosure

Treatment Letter

Date

«fname» «mname» «lname», «suffix»
 «addr1»
 «addr2»
 «city», «state» «zip»-«zip4»

Study ID: «caseid»

Dear «fname»:

First of all, let me wish you a very happy and prosperous new year. As I'm sure you're aware by now, we would like you to complete a survey for the U.S. Department of Education's National Center for Education Statistics (NCES) called the Baccalaureate and Beyond Longitudinal Study (B&B).

B&B collects information on how earning a bachelor's degree affects the lives of college graduates as it pertains to their transitions to the workforce. In addition to employment questions, the interview covers topics such as any experiences in additional education, earnings and expenses, family formation, and personal and professional goals. To ensure that B&B is representative of all 2007-08 graduates, we need your participation.

You will receive a <<\$IncAmt>> check as a token of our appreciation<< in addition to the \$5 bill included in this letter>>. The interview takes approximately 35 minutes to complete.

To complete the interview by telephone with a professional interviewer, call the B&B Help Desk toll-free at 1-877-262-4440. If you wish to complete the interview over the Web, simply log onto our secure website:

<https://surveys.nces.ed.gov/bb/>
Study ID = «caseid»
Password = «password»r

Please note that the survey is not designed for mobile handheld browsers and that the password is case sensitive and must be entered exactly as it appears here.

Your responses will be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose, except as required by law. If you have any questions or concerns about the study itself, please contact the B&B Project Director, Melissa Cominole, toll-free at 1-877-225-8470 (email: mcominole@rti.org) or me at 202-502-7383 (e-mail: ted.socha@ed.gov).

Thank you in advance for your participation in this important study. Your cooperation is greatly appreciated and needed to make this study a success.

Sincerely,

Ted Socha
 NCES Project Officer
 National Center for Education Statistics
 U.S. Department of Education

Enclosures

«panelinfo»

Appendix D. Data Collection Materials

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information that could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0729, and it is completely voluntary. The time required to complete this information collection is estimated to average 35 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, 400 Maryland Avenue SW, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Kristin Perry, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Parent Letter

«CAddr1»

«Cpname» «Cpmname» «Cplname»
 «CAddr1»
 «CAddr2»
 «Ccity», «Cstate» «CZip» «CZip4»

«caseid» (Study ID number)
 «panelinfo» (RTI use only)

Dear «Cpname» «Cplname»:

As you may know, we have been trying to get in touch with <fname> <last name> regarding his/her participation in the Baccalaureate and Beyond Longitudinal Study (B&B), which we are conducting on behalf of the U.S. Department of Education's National Center for Education Statistics (NCES). The purpose of B&B is to help policymakers better understand how earning a bachelor's degree affects students' lives and choices about further education and work. The study won't be a success without <>'s participation.

For his/her participation, <fname> will receive an incentive of \$<>. We are asking you to help us get in touch with «pronoun1». If you have updated contact information for <>, please call 877-662-4440 and reference study ID <>, or ask <> to call and complete the survey today. The survey can be completed over the Web or on the phone, and takes about 35 minutes to complete.

If you would like more information about the B&B study, please visit <http://surveys.nces.ed.gov/bb/> or call the RTI study director, Melissa Cominole at 1-866-662-8227. Additionally, the enclosed brochure provides more information about this important research.

We sincerely appreciate your assistance and thank you in advance for helping us conduct this important study.

Sincerely,

Melissa Cominole
 B&B Project Director
 Education Studies Division
 RTI International

Ted Socha
 NCES Project Officer
 National Center for Education Statistics
 U.S. Department of Education

Enclosure

Final Flyer

B&B ENDS ON MONDAY, APRIL 15TH!

<<Fname>>, there isn't much time left to complete the B&B survey. The survey only takes about **35 minutes** to complete, and we'll still send you \$<<check_incent>> to thank you for your time.

Complete today, before time runs out!

ONLINE

Log in to your B&B survey at
<https://surveys.nces.ed.gov/bb>
Study ID: <<>>
Password: <<>>6

PHONE

Call the B&B Help Desk at
1-877-262-4440 to complete
your survey by phone.

The Baccalaureate and Beyond Longitudinal Study (B&B) is a survey of individuals who earned their bachelor's degree during the 2007-08 academic year. RTI International is conducting this study for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences.



Treatment Postcard

**<Fname>, we understand
your time is valuable.**

**That's why we're <now>
offering \$70 to thank you for
completing the B&B Survey!**

Log in using your Study ID and password:

<https://surveys.nces.ed.gov/bb>

Study ID: 12345678

Password: p@s\$w0rdp

**Or call the B&B Help Desk at 1-877-262-4440
to complete it over the phone.**

(The survey takes about 35 minutes.)

Thank you for making B&B a success!

The Baccalaureate and Beyond Longitudinal Study (B&B) is a survey about the education and employment experiences of students four years after earning a bachelor's degree. RTI International is conducting this study for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. For questions regarding the survey, please call the B&B Help Desk at 1-877-262-4440, or you can email us at bbemail@rti.org.



Appendix E

Training Materials

Telephone Interviewer Manual

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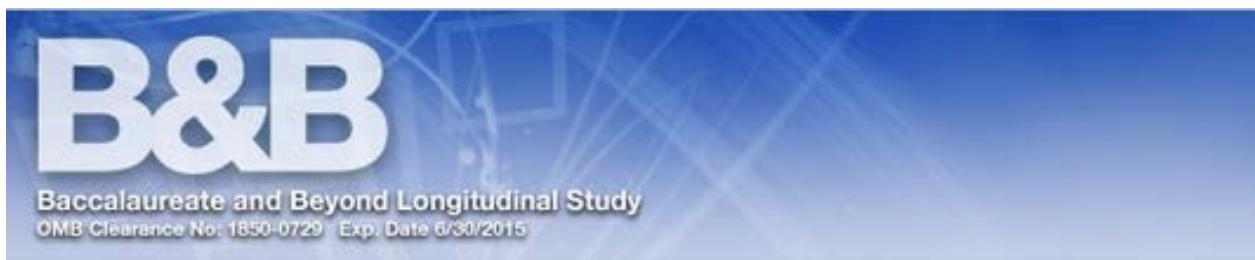
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Training Agenda



Training modules to be completed prior to training:

Study overview: sample size, sample characteristics, content, topics covered, key dates in data collection, incentive structure, sample interview, FAQs, NPSAS/B&B comparison

Wednesday, October 17—6:00-10:00 PM

- Welcome
- Introductions and Training Objectives
- Review of Pre-Training Activities
- Tour of the B&B Survey
- FAQs
- Break*
- B&B Survey Tips
- Round Robin Mock Interview
- FAQs
- Review of Training Objectives
- Wrap-Up/Questions
- Evaluations

Thursday, October 18—6:00-10:00 PM

- Welcome/Review of Objectives
- Round Robin Mock Interview
- FAQs
- Break*
- Certification Interviews
- Review of Training Objectives
- Wrap-Up/Questions
- Evaluations



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Full Interview

Section 1. Eligibility

BB12ID

Student identification number

Student ID

Applies to: All respondents.

Source: B&B:08/12 field test student interview

COMPMode

Completion mode

COMPMode is the mode in which the respondent completed the B&B:08/12 interview.

CATI stands for Computer Assisted Telephone Interview. Respondents in this interview mode completed the interview over the phone with a telephone interviewer. Partial interview respondents have a missing value for interview completion mode.

0 = Web

1 = CATI

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

COMPDATE

Date interview completed

COMPDATE is the date that the respondent completed the interview. COMPDATE is provided in the YYYYMMDD format. Partial interview respondents have a missing value for interview completion mode.

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

SUMSTFLG

Interview completion flag

SUMSTFLG indicates the completion status.

Respondents with SUMSTFLG = 3 were selected to participate in the abbreviated interview (ABBREV = 1) and completed their interview. Respondents with SUMSTFLG = 2 failed to complete their interview, either abbreviated or full.

The respondent must have completed the Eligibility (B12A*), Undergraduate Education (B12B*), Post-Bachelor's Education (B12C*), and the first employer loop in Employment (B12D*) to be considered a final partial interview.

1 = Full complete student interview

2 = Partial student interview (full or abbreviated)

3 = Completed abbreviated student interview

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

ABBREV

Abbreviate interview status

ABBREV is a flag to indicate whether the respondent was selected to complete the abbreviated interview. The abbreviated interview consisted of select forms in each section of the interview.

0 = Did not participate in the abbreviated interview

1 = Yes, participated in the abbreviated interview

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AELIG

NPSAS enrollment between July 1, 2007 and June 30, 2008

Were you enrolled at [NPSAS] at any time between July 1, 2007 and June 30, 2008?

0 = Not enrolled in 2007–08 school year

1 = Yes, enrolled in 2007–08 school year

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Recode note: If [date last attended NPSAS was between July 2007 and June 2008] then B12AELIG = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ADGAS

NPSAS degree: associate's degree

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMode = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Associate's degree

0 = Not associate's degree

1 = Yes, associate's degree

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGBA

NPSAS degree: 4-year bachelor's degree

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMode = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Bachelor's degree

0 = Not bachelor's degree

1 = Yes, bachelor's degree

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGMA

NPSAS degree: master's degree

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Master's degree

0 = Not master's degree

1 = Yes, master's degree

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGDRR

NPSAS degree: doctoral degree-research

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Doctoral degree - research/scholarship (including PhD, EdD, or other degrees that require original research or artistic achievement)

0 = Not research doctoral degree

1 = Yes, research doctoral degree

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGDRPP

NPSAS degree: doctoral degree-professional

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Doctoral degree - professional practice (including chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, or veterinary medicine)

0 = Not professional doctoral degree

1 = Yes, professional doctoral degree

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGDROT

NPSAS degree: doctoral degree-other

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMODE = 1} I {else} We] will ask you about

any more recent enrollment at [NPSAS] later in the survey.)

Doctoral degree - other (any doctor's degree that is not research/scholarship or professional practice)

0 = Not other doctoral degree

1 = Yes, other doctoral degree

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGCE

NPSAS degree: undergraduate certificate/diploma

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Undergraduate certificate or diploma, including those leading to a license (example: cosmetology)

0 = Not undergraduate certificate/diploma

1 = Yes, undergraduate certificate/diploma

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGPB

NPSAS degree: postbaccalaureate certificate

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Postbaccalaureate certificate

0 = Not postbaccalaureate certificate

1 = Yes, postbaccalaureate certificate

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGPM

NPSAS degree: post-master's certificate

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Post-master's certificate

0 = Not post-master's certificate

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGUND

NPSAS degree: undergraduate, no degree program

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPmode = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Undergraduate level classes

- 0 = Not undergraduate no degree program
- 1 = Yes, undergraduate no degree program

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGGNG

NPSAS degree: graduate, no degree program

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPmode = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Graduate level classes

- 0 = Not graduate no degree program
- 1 = Yes, graduate no degree program

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AMULTDG

Working on bachelor's at NPSAS between July 1, 2007 and June 30, 2008

Were you working on a bachelor's degree at [NPSAS] at any time during the 2007-08 school year (July 1, 2007 - June 30, 2008)?

- 0 = Did not work on bachelor's
- 1 = Yes, worked on bachelor's

Applies To: Respondents who did not complete the BB:08/09 interview and indicated that they did not work on a bachelor's degree at their NPSAS school between July 1, 2007 - June 30, 2008. Where: [B&B:08/09 nonrespondent] and B12ADGBA = 0.

Source: B&B:08/12 Full-scale Student Interview

B12AREQ

Completed bachelor's requirements b/w July 1, 2007 and June 30, 2008

Did you complete the requirements for your bachelor's degree while you were enrolled at [NPSAS] during the 2007-08 school year (July 1, 2007 - June 30, 2008)? (The date when you completed your requirements and the date when you were awarded your degree may be different.)

- 0 = Did not complete bachelor's in 2007-08
- 1 = Yes, completed bachelor's in 2007-08

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AAWRDMY

Date awarded bachelor's degree from NPSAS

In what month and year were you awarded your bachelor's degree from [NPSAS]? (The date when you completed your requirements and the date when you were awarded your degree may be different.) (Please select both a month and a year from the dropdowns.) B12AAWRDMDY is provided in the YYYYMM format. Month values of 00 indicate a missing month.

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AAWRDNO

Date awarded bachelor's degree from NPSAS: don't know

In what month and year were you awarded your bachelor's degree from [NPSAS]? (The date when you completed your requirements and the date when you were awarded your degree may be different.) (Please select both a month and a year from the dropdowns.) Check here if you were never awarded your degree

- 0 = Received bachelor's degree

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AMARR

Current marital status

So [if {COMPmode = 1} I {else} we] can customize this interview for you, [if {COMPmode = 1} I {else} we] need to ask a few questions about you and your household. What is your current marital status?

- 1 = Single, never married
- 2 = Married
- 4 = Separated
- 5 = Divorced
- 6 = Widowed

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AFINCON

Shares financial responsibilities with household adult

Is there another adult in your household with whom you are sharing financial responsibilities and decisions, such as income, bills, and budgeting?

- 0 = No adult shares household finances
- 1 = Yes, adult shares household finances

Applies To: Respondents who were not married. Where:

B12AMARR ne 2.

Source: B&B:08/12 Full-scale Student Interview

B12AFINWHO

Adult in household who shares financial responsibilities

Which best describes this person? Would you say a...

- 1 = Domestic partner or spouse
- 2 = Boyfriend or girlfriend
- 3 = Parent
- 4 = Sibling
- 5 = Friend or roommate
- 6 = Other

Applies To: Respondents who were not married and shared household responsibilities with another person. Where:

B12AMARR ne 2 and B12AFINCON = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ASPODP

Household composition: live with spouse or domestic partner

Do you currently live with a...

Spouse or partner

- 0 = Does not live with spouse or partner
- 1 = Yes, live with spouse or partner

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12ADPNTS

Household composition: live with dependents

Do you currently live with a...

Children and/or other dependents

- 0 = Does not live with dependents
- 1 = Yes, live with dependents

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12APARIL

Household composition: live with parents or in-laws

Do you currently live with a...

Parents or in-laws

- 0 = Does not live with parents or in-laws
- 1 = Yes, live with parents or in-laws

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AHOTH

Household composition: live with other

Do you currently live with a...

Another person (e.g., roommate)

- 0 = Does not live with others (not listed)
- 1 = Yes, live with others (not listed)

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AALONE

Household composition: live alone

Do you currently live with a...

Live alone

- 0 = Does not live alone
- 1 = Yes, lives alone

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

Section 2: Undergraduate Education

B12BNFST

NPSAS first college enrolled

Was [NPSAS] the first college, university, or trade school you enrolled in after completing your high school requirements?

- 0 = Not the first school after high school
- 1 = Yes, the first school after high school

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12BFSTMY

Date first attended any college

In what month and year did you first attend any college, university, or trade school after completing your high school requirements? (Please select both a month and a year from the dropdowns.)

B12BFSTMY is provided in the YYYYMM format. Month values of 00 indicate a missing month. Dates after December 2005 (200512) were replaced with a -6 to indicate that the value was out of range.

Applies To: B&B:08/09 nonrespondents whose NPSAS institution was not the first college, university, or trade school attended after high school.

Where: [B&B:08/09 nonrespondent] and B12BNFST ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12BOTHSCH

Attended other colleges prior to bachelor's at NPSAS

[If BA completion date not missing]

Other than [NPSAS], did you attend any other colleges, universities, or trade schools as an undergraduate student between the time you graduated from high school and the time you completed your bachelor's degree requirements at [NPSAS] in [BA completion date]? (Please include summer enrollment and any other undergraduate classes you have taken that earned college credit, including enrollment for credit at any schools where you studied abroad.)

[else]

Other than [NPSAS], did you attend any other colleges, universities, or trade schools as an undergraduate student between the time you graduated from high school and the time you completed your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008) at [NPSAS]? (Please include summer enrollment and any other undergraduate classes you have taken that earned college credit, including enrollment for credit at any schools where you studied abroad.)

- 0 = Did not attend another college

- 1 = Yes, attended another college

Applies To: B&B:08/09 nonrespondents who did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and ABBREV ne 1.

Recode note: If B12BNFST = 0 then B12BOTHSCH = 1.

Source: B&B:08/12 Full-scale Student Interview

B12BIPED01

Other prebachelor's school 1: IPEDS

[If B12BNFST = 0 and COMPMODE = 1]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements, and in what city and state is it located? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.) Please bear with me while I code this.

[else if B12BNFST = 0 and COMPMODE = 0]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else if COMPMODE = 1]

At what other school have you been enrolled between the time you graduated from high school and the time you graduated from [NPSAS], and in what city and state is it located? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

The institution identification number from the US Department of Education's Integrated Postsecondary Education Data System (IPEDS). This value is provided when the institution is coded using the IPEDS coder in the B&B:08/12 student interview. IPEDS IDs of 99999* are given to uncodeable schools:

999996 - Foreign school

999997 - City known, school not found

Appendix F. Facsimiles

999998 - City unknown

999999 - State unknown.

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTH SCH = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12BSCH01

Other prebachelor's school 1: name

[If B12BNFST = 0 and COMPMODE = 1]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements, and in what city and state is it located? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.) Please bear with me while I code this.

[else if B12BNFST = 0 and COMPMODE = 0]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else if COMPMODE = 1]

At what other school have you been enrolled between the time you graduated from high school and the time you graduated from [NPSAS], and in what city and state is it located? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

School name.

NOTE: If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTH SCH = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12BCT01

Other prebachelor's school 1: city

[If B12BNFST = 0 and COMPMODE = 1]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements, and in what city and state is it located? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.) Please bear with me while I code this.

[else if B12BNFST = 0 and COMPMODE = 0]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else if COMPMODE = 1]

At what other school have you been enrolled between the time you graduated from high school and the time you graduated from [NPSAS], and in what city and state is it located? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

City.

NOTE: City where the institution is located. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school

between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSC = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12BST01

Other prebachelor's school 1: state

[If B12BNFST = 0 and COMPMODE = 1]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements, and in what city and state is it located? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.) Please bear with me while I code this.

[else if B12BNFST = 0 and COMPMODE = 0]

What is the name of the first college, university, or trade school you enrolled in after completing your high school requirements? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else if COMPMODE = 1]

At what other school have you been enrolled between the time you graduated from high school and the time you graduated from [NPSAS], and in what city and state is it located? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school? (If you attended more than one other school between high school and before your graduation from [NPSAS] tell us about the most recent school first. You will have an opportunity to tell us about all schools later.) (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

State.

NOTE: A numeric code for the state in which the institution is located. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

1 = Alabama

28 = Nebraska

2 = Alaska

29 = Nevada

3 = Arizona

30 = New Hampshire

4	= Arkansas	31	= New Jersey
5	= California	32	= New Mexico
6	= Colorado	33	= New York
7	= Connecticut	34	= North Carolina
8	= Delaware	35	= North Dakota
9	= District of Columbia	36	= Ohio
10	= Florida	37	= Oklahoma
11	= Georgia	38	= Oregon
12	= Hawaii	39	= Pennsylvania
13	= Idaho	40	= Rhode Island
14	= Illinois	41	= South Carolina
15	= Indiana	42	= South Dakota
16	= Iowa	43	= Tennessee
17	= Kansas	44	= Texas
18	= Kentucky	45	= Utah
19	= Louisiana	46	= Vermont
20	= Maine	47	= Virginia
21	= Maryland	48	= Washington
22	= Massachusetts	49	= West Virginia
23	= Michigan	50	= Wisconsin
24	= Minnesota	51	= Wyoming
25	= Mississippi	52	= Puerto Rico
26	= Missouri	60	= U.S. Virgin Islands
27	= Montana	63	= Foreign country

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSC = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12BLEVL01

Other prebachelor's school 1: level

Is that school...

Level.

NOTE: Indicates the length of time it takes to complete the highest level of program offered by the institution. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

1 = 4-year

2 = 2-year

3 = Less-than-2-year

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSC = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12BCTRL01

Other prebachelor's school 1: control

Is that school...

Control.

NOTE: The institution control is a classification of whether an institution is operated by publicly elected/appointed officials or by privately elected/appointed officials and derives its major source of funds from private sources. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Public institution - An educational institution whose programs and activities are operated by publicly elected or appointed school officials and which is supported primarily by public funds.

Private nonprofit institution - A private institution in which the individual(s) or agency in control receives no compensation, other than wages, rent, or other expenses for the assumption of risk. These include both independent nonprofit schools and those affiliated with a religious organization.

Private for-profit institution – A private institution in which the individual(s) or agency in control receives compensation other than wages, rent, or other expenses for the assumption of risk.

1 = Public

2 = Private nonprofit

3 = Private for-profit

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSCHE = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12BIPDUC01

Other prebachelor's school 1: school coded after interview

Respondents entered text strings for school name, city and state, then selected a corresponding school using the IPEDS coder built into the instrument. In some cases, respondents did not select a school in the coder. Survey contractor staff attempted to code these schools and when they were able to do so, this flag was set to 1. If the flag was set to 1, the following variables were changed to reflect the new code selected:

B12BIPED01, B12BSCH01, B12BCT01, B12BST01, B12BLEVL01, B12BCTRL01.

0 = Not upcoded

1 = Yes, upcoded

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12BBMY01

Other prebachelor's school 1: date first enrolled

In what month and year were you first enrolled at [other undergraduate school]? (Please select both a month and a year from the dropdowns.)

B12BBMY01 is provided in the YYYYMM format.

Month values of 00 indicate a missing month.

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS; indicated whether the NPSAS institution was the first college, university, or trade school attended after high school; and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSCHE = 1 and B12BNFST in (0 1) and ABBREV ne 1.

Recode note: If B12BNFST = 0 and B12BFSTMY > 0 and ABBREV ne 1 then B12BBMY01 = B12BFSTMY.

Source: B&B:08/12 Full-scale Student Interview

B12BEMY01

Other prebachelor's school 1: date last enrolled

[If both month and year provided from B12BFSTMY and BA completion date not missing]

From your beginning enrollment date of [B12BFSTMY], in what month and year were you last enrolled at [other undergraduate school] before completing your bachelor's degree requirements at [NPSAS] in [BA completion date]? (Please select both a month and a year from the dropdowns.)

[else if both month and year provided from B12BFSTMY and BA completion date missing]

From your beginning enrollment date of [B12BFSTMY], in what month and year were you last enrolled at [other undergraduate school] before completing your bachelor's degree requirements at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (Please select both a month and a year from the dropdowns.)

[else if both month and year from B12BBMY01 provided and BA completion date not missing]

From your beginning enrollment date of [B12BBMY01], in what month and year were you last enrolled at [other undergraduate school] before completing your bachelor's degree requirements at [NPSAS] in [BA completion date]? (Please select both a month and a year from the dropdowns.)

[else if both month and year from B12BBMY01 provided and BA completion date missing]

From your beginning enrollment date of [B12BBMY01], in what month and year were you last enrolled at [other undergraduate school] before completing your bachelor's degree requirements at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (Please select both a month and a year from the dropdowns.)

[else if any date information on B12BFSTMY or B12BBMY01 missing and BA completion date not missing]

From your beginning enrollment date, in what month and year were you last enrolled at [other undergraduate school] before completing your bachelor's degree requirements at [NPSAS] in [BA completion date]? (Please select both a month and a year from the dropdowns.)

[else]

From your beginning enrollment date, in what month and year were you last enrolled at [other undergraduate school] before completing your bachelor's degree requirements at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (Please select both a month and a year from the dropdowns.)

B12BEMY01 is provided in the YYYYMM format. Month values of 00 indicate a missing month.

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSCHE = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12BTNS01

Other prebachelor's school 1: transfer credits attempted

Did you attempt to transfer any credits to [NPSAS] from [other undergraduate school]?

0 = Did not attempt to transfer credits

1 = Yes, attempted to transfer credits

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSCHE = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12BTRNC01

Other prebachelor's school 1: transfer credits accepted

Were all, some, or none of those credits accepted by [NPSAS]?

1 = Some credits accepted

2 = All credits accepted

3 = No credits accepted

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS; attempted to transfer credits to NPSAS from other prebachelor's school 1; and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSCHE = 1 and B12BTNS01 = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12BOTSC01

Other prebachelor's school 1: enrolled at other schools

[If BA completion date not missing]

Did you attend any other colleges, universities, or trade schools besides [other undergraduate school], as an undergraduate student between the time you graduated from high school and the time you completed your bachelor's degree requirements at [NPSAS] in [BA completion date]? (Include summer enrollment and any other undergraduate classes you have taken that earned college credit, including enrollment for credit at any schools where you studied abroad.)

[else]

Did you attend any other colleges, universities, or trade schools besides [other undergraduate school], as an undergraduate student between the time you graduated from high school and the time you completed your bachelor's degree requirements at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (Include summer enrollment and any other undergraduate classes you have taken that earned college credit, including enrollment for credit at any schools where you studied abroad.)

0 = Did not attend other schools

1 = Yes, attended other schools

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and B12BOTHSCHE = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Loops 2 - 6 have not been included in the facsimile.

B12BNP2YR

Able to complete bachelor's degree without 2-year college

You indicated attending a two-year institution prior to earning your bachelor's degree from [NPSAS]. Would you have been able to complete your bachelor's degree if you had not attended a two-year institution?

0 = Not able to complete bachelor's degree

1 = Yes, able to complete bachelor's degree

Applies To: B&B:08/09 nonrespondents who reported attending at least one other college, university, or trade school between high school and the completion of their bachelor's degree requirements at NPSAS that was a two-year school and did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and (B12BLEVL01 = 2 or B12BLEVL02 = 2 or B12BLEVL03 = 2 or B12BLEVL04 = 2 or B12BLEVL05 = 2 or B12BLEVL06 = 2) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12BINCHO

Satisfaction with quality of education at NPSAS

Are you satisfied with the quality of the undergraduate education you received at [NPSAS]?

0 = Not satisfied with NPSAS

1 = Yes, satisfied with NPSAS

Applies To: B&B:08/09 nonrespondents who did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12BMAJCHO

Satisfaction with undergraduate major choice

Are you satisfied with your choice of undergraduate major(s) or course of study?

0 = Not satisfied with undergraduate major

1 = Yes, satisfied with undergraduate major

Applies To: B&B:08/09 nonrespondents who did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Section 3: Postbaccalaureate Education/Training

B12CPSTGRD

Attended additional degree/ cert program since bachelor's degree
 [If [BA completion date not missing]]

Have you attended a college, university, or trade school for an additional degree or certificate since [BA completion date]? (Do not include professional certifications such as those earned through a week-long training course.)

[else]

Have you attended a college, university, or trade school for an additional degree or certificate since completing your bachelor's degree requirements?

(Do not include professional certifications such as those earned through a week-long training course.)

- 0 = Did not attend for additional degree
- 1 = Yes, attended for additional degree
- 2 = Will attend for additional degree in 2012-13

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CIPED01

Postbaccalaureate school 1: IPEDS

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

NOTE: The institution identification number from the US Department of Education's Integrated Postsecondary Education Data System (IPEDS). This value is provided when the institution is coded using the IPEDS coder in the B&B:08/12 student interview. IPEDS IDs of 99999* are given to uncodeable schools:

- 999996 - Foreign school
- 999997 - City known and state known
- 999998 - City unknown, state known
- 999999 - State unknown

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CSCH01

Postbaccalaureate school 1: name

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

School name.

NOTE: If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CCT01

Postbaccalaureate school 1: city

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

City.

NOTE: City where the institution is located. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CST01

Postbaccalaureate school 1: state

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

State.

NOTE: A numeric code for the state in which the institution is located. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

1 = Alabama	27 = Montana
2 = Alaska	28 = Nebraska
3 = Arizona	29 = Nevada
4 = Arkansas	30 = New Hampshire
5 = California	31 = New Jersey
6 = Colorado	32 = New Mexico
7 = Connecticut	33 = New York
8 = Delaware	34 = North Carolina
9 = District of Columbia	35 = North Dakota
10 = Florida	36 = Ohio
11 = Georgia	37 = Oklahoma
12 = Hawaii	38 = Oregon
13 = Idaho	39 = Pennsylvania
14 = Illinois	40 = Rhode Island
15 = Indiana	41 = South Carolina
16 = Iowa	42 = South Dakota
17 = Kansas	43 = Tennessee
18 = Kentucky	44 = Texas
19 = Louisiana	45 = Utah
20 = Maine	46 = Vermont
21 = Maryland	47 = Virginia
22 = Massachusetts	48 = Washington
23 = Michigan	49 = West Virginia
24 = Minnesota	50 = Wisconsin
25 = Mississippi	51 = Wyoming
26 = Missouri	52 = Puerto Rico
	63 = Foreign country

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CLEVL01

Postbaccalaureate school 1: level

Is this school...

Level.

NOTE: Indicates the length of time it takes to complete the highest level of program offered by the institution. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

1 = 4-year

2 = 2-year

3 = Less-than-2-year

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CCTRL01

Postbaccalaureate school 1: control

Is this school...

Control.

NOTE: The institution control is a classification of whether an institution is operated by publicly elected/appointed officials or by privately elected/appointed officials and derives its major source of funds from private sources. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Public institution - An educational institution whose programs and activities are operated by publicly elected or appointed school officials and which is supported primarily by public funds.

Private nonprofit institution - A private institution in which the individual(s) or agency in control receives no compensation, other than wages, rent, or other expenses for the assumption of risk. These include both independent nonprofit schools and those affiliated with a religious organization.

Private for-profit institution – A private institution in which the individual(s) or agency in control receives compensation other than wages, rent, or other expenses for the assumption of risk.

1 = Public

2 = Private nonprofit

3 = Private for-profit

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CIPDUC01*Postbaccalaureate school 1: school coded after interview*

NOTE: Respondents entered text strings for school name, city and state, then selected a corresponding school using the IPEDS coder built into the instrument. In some cases, respondents did not select a school in the coder. Survey contractor staff attempted to code these schools and when they were able to do so, this flag was set to 1. If the flag was set to 1, the following variables were changed to reflect the new code selected:

B12CIPED01, B12CSCH01, B12CCT01, B12CST01, B12CLEVL01, B12CCTRL01.

0 = Not upcoded

1 = Yes, upcoded

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CCREN01*Postbaccalaureate school 1: currently attending*

Are you currently attending [B12CSCH01]?

0 = Not currently attending

1 = Yes, currently attending

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CDEG01*Postbaccalaureate school 1: degree or certificate type*

[If [currently enrolled at postbaccalaureate school 1]] What degree or certificate are you working on at [B12CSCH01]? (You can select only one degree now. You will have an opportunity to tell us about other degrees and certificates later.)

[else]

What degree or certificate were you working on at [B12CSCH01]? (You can select only one degree now. You will have an opportunity to tell us about other degrees and certificates later.)

1 = Undergraduate certificate or diploma

2 = Associate's degree

3 = Bachelor's degree

4 = Postbaccalaureate certificate

5 = Master's degree

6 = Post-master's certificate

7 = Doctoral degree -- professional practice

8 = Doctoral degree -- research/scholarship

9 = Doctoral degree -- other

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CMAJ01*Postbaccalaureate school 1: primary major: text string*

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CMGEN01*Postbaccalaureate school 1: primary major: general code*

[If [currently enrolled at postbaccalaureate school 1] and COMPMODE = 0]

What is your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please type your primary major or field of study in the box provided and then click the "Search" button. A list of categories that match your entry will be displayed.

[else if [currently enrolled at postbaccalaureate school 1] and COMPMODE = 1]

What is your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please bear with me while I code this.

[else if [not currently enrolled at postbaccalaureate school 1] and COMPMODE = 0]

What was your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please type your primary major or field of study in the box provided and then click the "Search" button. A list of categories that match your entry will be displayed.

[else]

What was your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please bear with me while I code this.

1 = Agriculture/operations/related sciences

3 = Natural resources and conservation

4 = Architecture and related services

5 = Area/ethnic/cultural/gender studies

9 = Communication, journalism, related

10 = Communication technology and support

11 = Computer/information science/support

12 = Personal and culinary services

13 = Education

14 = Engineering

15 = Engineering technologies/technicians

16 = Foreign languages/literature/linguistics

19 = Family/consumer sciences/human sciences

22 = Legal professions and studies

23 = English language and literature/letters

24 = Liberal arts/sci/gen studies/humanities

25 = Library science

26 = Biological and biomedical sciences

27 = Mathematics and statistics

28 = Military science/leadership/op art

29 = Military technologies

30 = Multi/interdisciplinary studies

31 = Parks/recreation/leisure/fitness studies

38 = Philosophy and religious studies

Appendix F. Facsimiles

39 = Theology and religious vocations
40 = Physical sciences
41 = Science technologies/technicians
42 = Psychology
43 = Security and protective services
44 = Public administration/social service
45 = Social sciences
46 = Construction trades
47 = Mechanic/repair technologies/technicians
48 = Precision production
49 = Transportation and materials moving
50 = Visual and performing arts
51 = Health/related clinical sciences
52 = Business/management/marketing/related
54 = History
60 = Residency programs
90 = Other

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CMSPE01

Postbaccalaureate school 1: primary major: specific code

[If [currently enrolled at postbaccalaureate school 1] and COMPMODE = 0]

What is your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please type your primary major or field of study in the box provided and then click the "Search" button. A list of categories that match your entry will be displayed.

[else if [currently enrolled at postbaccalaureate school 1] and COMPMODE = 1]

What is your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please bear with me while I code this.

[else if [not currently enrolled at postbaccalaureate school 1] and COMPMODE = 0]

What was your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please type your primary major or field of study in the box provided and then click the "Search" button. A list of categories that match your entry will be displayed.

[else]

What was your primary major or field of study for your [B12CDEG01] at [B12CSCH01]? Please bear with me while I code this.

01.0000 = Agriculture, general
01.0101 = Agricultural business and mgmt, general
01.0102 = Agribusiness/agricultural bus operations
01.0103 = Agricultural economics
01.0104 = Farm/farm and ranch management
01.0105 = Agricultur/farm supplies retail/wholesal
01.0106 = Agricultural business technology

01.0199 = Agricultural business and mgmt, other
01.0201 = Agricultural mechanization, general
01.0204 = Agricultural power machinery operation
01.0205 = Agricultural mech and equip/machine tech
01.0299 = Agricultural mechanization, other
01.0301 = Agricultural production ops, general
01.0302 = Animal/livestock husbandry/production
01.0303 = Aquaculture
01.0304 = Crop production
01.0306 = Dairy husbandry and production
01.0307 = Horse husbandry/equine science and mgmt
01.0308 = Agroecology and sustainable agriculture
01.0309 = Viticulture and enology
01.0399 = Agricultural production ops, other
01.0401 = Agricultural and food product processing
01.0504 = Dog/pet/animal grooming
01.0505 = Animal training
01.0507 = Equestrian/equine studies
01.0508 = Taxidermy/taxidermist
01.0599 = Agricultural/domest animals svcs, other
01.0601 = Applied horticulture/hort ops, general
01.0603 = Ornamental horticulture
01.0604 = Greenhouse operations and management
01.0605 = Landscaping and groundskeeping
01.0606 = Plant nursery operations and management
01.0607 = Turf and turfgrass management
01.0608 = Floriculture/floristry operations/mgmt
01.0699 = Applied horticulture/busines svcs other
01.0701 = International agriculture
01.0801 = Agricultural/extension ed services
01.0802 = Agricultural communication/journalism
01.0899 = Agricultural public services, other
01.0901 = Animal sciences, general
01.0902 = Agricultural animal breeding
01.0903 = Animal health
01.0904 = Animal nutrition
01.0905 = Dairy science
01.0906 = Livestock management
01.0907 = Poultry science
01.0999 = Animal sciences, other
01.1001 = Food science
01.1002 = Food technology and processing
01.1099 = Food science and technology, other
01.1101 = Plant sciences, general
01.1102 = Agronomy and crop science
01.1103 = Horticultural science
01.1104 = Agricultural/horticultr plant breeding
01.1105 = Plant protection/integrated pest mgmt
01.1106 = Range science and management

01.1199 = Plant sciences, other	05.0109 = Pacific area/Pacific rim studies
01.1201 = Soil science and agronomy, general	05.0110 = Russian studies
01.1202 = Soil chemistry and physics.	05.0111 = Scandinavian studies
01.1203 = Soil microbiology.	05.0112 = South Asian studies
01.1299 = Soil sciences, other	05.0113 = Southeast Asian studies
01.9999 = Agriculture and related sciences, other	05.0114 = Western european studies
03.0101 = Natural resources/conservation, general	05.0115 = Canadian studies
03.0103 = Environmental studies	05.0116 = Balkans studies
03.0104 = Environmental science	05.0117 = Baltic studies
03.0199 = Natural resources conserv/research other	05.0118 = Slavic studies
03.0201 = Natural resources management and policy	05.0119 = Caribbean studies
03.0204 = Natural resource economics	05.0120 = Ural-Altaic and Central Asian studies
03.0205 = Water/wetlands/marine resources mgmt	05.0121 = Commonwealth studies
03.0206 = Land use planning and mgmt/development	05.0122 = Regional studies (U.S., foreign)
03.0207 = Natural resource recreation and tourism	05.0123 = Chinese studies
03.0208 = Natural resources law enf/protect svcs	05.0124 = French studies
03.0299 = Natural resources mgmt/policy, other	05.0125 = German studies
03.0301 = Fishing and fisheries sciences and mgmt	05.0126 = Italian studies
03.0501 = Forestry, general	05.0127 = Japanese studies
03.0502 = Forest sciences and biology	05.0128 = Korean studies
03.0506 = Forest management/forest resources mgmt	05.0129 = Polish studies
03.0508 = Urban forestry	05.0130 = Spanish and Iberian studies
03.0509 = Wood science/products, pulp/paper tech	05.0131 = Tibetan studies
03.0510 = Forest resources production/management	05.0132 = Ukraine studies
03.0511 = Forestry technology/technician	05.0133 = Irish studies
03.0599 = Forestry, other	05.0134 = Latin American and Caribbean studies
03.0601 = Wildlife, fish/wildlands sci/management	05.0199 = Area studies, other
03.9999 = Natural resources/conservation, other	05.0200 = Ethnic studies
04.0201 = Architecture	05.0201 = African-American/black studies
04.0301 = City/urban, community/regional planning	05.0202 = American Indian/Native American studies
04.0401 = Environmental design/architecture	05.0203 = Hispanic-American, Chicano studies
04.0501 = Interior architecture	05.0206 = Asian-American studies
04.0601 = Landscape architecture	05.0207 = Women's studies
04.0801 = Architectural history/criticism, general	05.0208 = Gay/lesbian studies
04.0901 = Architectural technology/technician	05.0209 = Folklore studies
04.0902 = Architectural and building sciences/tech	05.0210 = Disability studies
04.0999 = Architecture, other	05.0211 = Deaf studies
04.1001 = Real estate development	05.0299 = Ethnic/minority/gender studies, other
04.9999 = Architecture and related services, other	09.0100 = Communication, general
05.0101 = African studies	09.0101 = Speech communication and rhetoric
05.0102 = American/U.S. studies/civilization	09.0102 = Mass communication/media studies
05.0103 = Asian studies/civilization	09.0199 = Communication/media studies, other
05.0104 = East Asian studies	09.0401 = Journalism
05.0105 = Russian, Eurasian, and related studies	09.0402 = Broadcast journalism
05.0106 = European studies/civilization	09.0404 = Photojournalism
05.0107 = Latin American studies	09.0499 = Journalism, other
05.0108 = Near and Middle Eastern studies	09.0701 = Radio and television
	09.0702 = Digital communication/media/multimedia
	09.0799 = Radio/television/digital commun, other
	09.0900 = Public relations/advertising
	09.0901 = Organizational communication, general
	09.0902 = Public relations/image management
	09.0903 = Advertising
	09.0904 = Political communication
	09.0905 = Health communication

Appendix F. Facsimiles

- 09.0906 = Sports communication
 09.0907 = International and intercultural commun
 09.0908 = Technical and scientific communication
 09.0999 = Public relations/advertising, other
 09.1001 = Publishing
 09.9999 = Communication/journalism/ related,
 other
 10.0105 = Communications technology/ technician
 10.0201 = Photographic and film/video tech/asst
 10.0202 = Radio and television broadcasting tech
 10.0203 = Recording arts technology/technician
 10.0299 = Audiovisual communications tech,
 other
 10.0301 = Graphic communications, general
 10.0302 = Printing management
 10.0303 = Prepress/desktop pub/digital imaging
 10.0304 = Animation/interactive tech/video
 graphic
 10.0305 = Graphic/printing equip op, general
 prod
 10.0306 = Platemaker/imager
 10.0307 = Printing press operator
 10.0308 = Computer typ/composition equip
 operator
 10.0399 = Graphic communications, other
 10.9999 = Communications tech/support svcs,
 other
 11.0101 = Computer and info sciences, general
 11.0102 = Artificial intelligence
 11.0103 = Information technology
 11.0104 = Informatics
 11.0199 = Computer and information science,
 other
 11.0201 = Computer programming/programmer,
 general
 11.0202 = Computer programming, specific apps
 11.0203 = Computer programming
 vendor/product cert
 11.0299 = Computer programming, other
 11.0301 = Data processing and data processing
 tech
 11.0401 = Information science/studies
 11.0501 = Computer systems analyst/analysis
 11.0601 = Data entry/microcomputer app, general
 11.0602 = Word processing
 11.0699 = Data entry/microcomputer app, other
 11.0701 = Computer science
 11.0801 = Web page, digital/multimedia/design
 11.0802 = Data model/warehousing/database
 admin
 11.0803 = Computer graphics
 11.0804 = Modeling, virtual
 environment/simulation
 11.0899 = Computer software/media apps, other
 11.0901 = Computer systems
 networking/telecomm
 11.1001 = Network and system administration
 11.1002 = System, networking, LAN/WAN
 management
 11.1003 = Computer/info systems
 security/assurance
 11.1004 = Web/multimedia
 management/webmaster
 11.1005 = Information technology project mgmt
 11.1006 = Computer support specialist
 11.1099 = Computer/info tech services
 admin/mgmt
 11.9999 = Computer/info sci/support services,
 other
 12.0301 = Funeral service/mortuary sci, general
 12.0302 = Funeral direction/service.
 12.0303 = Mortuary science and
 embalming/embalmer
 12.0399 = Funeral service/mortuary sci, other
 12.0401 = Cosmetology/cosmetologist, general
 12.0402 = Barbering/barber
 12.0404 = Electrology and electrolysis technician
 12.0406 = Make-up artist/specialist
 12.0407 = Hair styling/stylist and hair design
 12.0408 = Facial treatment specialist/facialist
 12.0409 = Aesthetician and skin care specialist
 12.0410 = Nail tech/specialist/manicurist
 12.0411 = Permanent
 cosmetics/makeup/tattooing
 12.0412 = Salon/beauty salon mgmt/manager
 12.0413 = Cosmetology, styling, nail instructor
 12.0414 = Master aesthetician/esthetician
 12.0499 = Cosmetology/related grooming, other
 12.0500 = Cooking/related culinary arts, general
 12.0501 = Baking and pastry arts/baker/pastry
 chef
 12.0502 = Bartending/bartender
 12.0503 = Culinary arts/chef training
 12.0504 = Restaurant, culinary, and catering mgmt
 12.0505 = Food prep/profess cooking/kitchen
 asst
 12.0506 = Meat cutting/meat cutter
 12.0507 = Food svrc, waiter/waitress, dining
 mgmt
 12.0508 = Institutional food workers
 12.0509 = Culinary science/culinology
 12.0510 = Wine steward/sommelier
 12.0599 = Culinary arts/related services, other
 12.9999 = Personal and culinary services, other
 13.0101 = Education, general
 13.0201 = Bilingual and multilingual education
 13.0202 = Multicultural education
 13.0203 = Indian/Native American education
 13.0299 = Bi/multilingual, multicultural ed, other
 13.0301 = Curriculum and instruction
 13.0401 = Educational leadership/admin, general
 13.0402 = Administration of special education
 13.0403 = Adult/continuing education admin
 13.0404 = Educational/instruct/curric supervision

- 13.0406 = Higher education/higher education admin
 13.0407 = Community college education
 13.0408 = Elementary/middle school admin/principal
 13.0409 = Secondary school admin/principalship
 13.0410 = Urban education and leadership
 13.0411 = Superintendency/educational system admin
 13.0499 = Educational admin and supervision, other
 13.0501 = Educational/instructional technology
 13.0601 = Educational evaluation and research
 13.0603 = Educational statistics/research methods
 13.0604 = Educational assess/testing/measurement
 13.0607 = Learning sciences
 13.0699 = Educational assess/eval/research, other
 13.0701 = International and comparative education
 13.0901 = Social/philosophical foundations of ed
 13.1001 = Special education and teaching, general
 13.1003 = Ed/teaching indiv with hearing impair
 13.1004 = Ed/teaching gifted and talented
 13.1005 = Ed/teaching indiv with emotional disturb
 13.1006 = Ed/teaching indiv w mental retardation
 13.1007 = Ed/teaching indiv with mult disabilities
 13.1008 = Ed/teaching indiv w physical impairments
 13.1009 = Ed/teaching indiv w vision impairment
 13.1011 = Ed/teaching indiv w learning disb
 13.1012 = Ed/teaching indiv w speech/lang impair
 13.1013 = Ed/teaching indiv with autism
 13.1014 = Ed/teaching indiv develop delayed
 13.1015 = Ed/teaching early childhood special ed
 13.1016 = Ed/teaching indiv w traum brain injury
 13.1017 = Ed/teaching elementary special ed
 13.1018 = Ed/teaching middle school special ed
 13.1019 = Ed/teaching secondary special ed
 13.1099 = Special education and teaching, other
 13.1101 = Counselor ed/school counseling/guidance
 13.1102 = College student counsel/personnel svcs
 13.1199 = Student counseling/personnel svcs other
 13.1201 = Adult/continuing education and teaching
 13.1202 = Elementary education and teaching
 13.1203 = Junior high/middle school ed/teaching
 13.1205 = Secondary education and teaching
 13.1206 = Teacher education, multiple levels
 13.1207 = Montessori teacher education
 13.1208 = Waldorf/Steiner teacher education
 13.1209 = Kindergarten/preschool ed/teaching
 13.1210 = Early childhood education/teaching
 13.1299 = Teacher ed/prof dev, other level/methods
 13.1301 = Agricultural teacher education
 13.1302 = Art teacher education
 13.1303 = Business teacher education
 13.1304 = Driver and safety teacher education
 13.1305 = English/language arts teacher education
 13.1306 = Foreign language teacher education
 13.1307 = Health teacher education
 13.1308 = Family/consumer sci/home econ teacher ed
 13.1309 = Tech/industrial arts teacher education
 13.1310 = Sales/marketing ops teacher education
 13.1311 = Mathematics teacher education
 13.1312 = Music teacher education
 13.1314 = Physical education teaching and coaching
 13.1315 = Reading teacher education
 13.1316 = Science teacher education
 13.1317 = Social science teacher education
 13.1318 = Social studies teacher education
 13.1319 = Technical teacher education
 13.1320 = Trade and industrial teacher education
 13.1321 = Computer teacher education
 13.1322 = Biology teacher education
 13.1323 = Chemistry teacher education
 13.1324 = Drama and dance teacher education
 13.1325 = French language teacher education
 13.1326 = German language teacher education
 13.1327 = Health occupations teacher education
 13.1328 = History teacher education
 13.1329 = Physics teacher education
 13.1330 = Spanish language teacher education
 13.1331 = Speech teacher education
 13.1332 = Geography teacher education
 13.1333 = Latin teacher education
 13.1334 = School librarian/media specialist
 13.1335 = Psychology teacher education
 13.1337 = Earth science teacher education
 13.1338 = Environmental education
 13.1399 = Teacher ed/prof dev, other subject area
 13.1401 = ESL language instructor
 13.1402 = Teach French as a second/foreign lang
 13.1499 = Teach Eng/French as foreign lang, other
 13.1501 = Teacher assistant/aide
 13.1502 = Adult literacy tutor/instructor
 13.1599 = Teaching assistants/aides, other
 13.9999 = Education, other
 14.0101 = Engineering, general
 14.0102 = Pre-engineering
 14.0201 = Aerospace/aeronautical/space engineering
 14.0301 = Agricultural engineering
 14.0401 = Architectural engineering
 14.0501 = Bioengineering/biomedical engineering

Appendix F. Facsimiles

- 14.0601 = Ceramic sciences and engineering
14.0701 = Chemical engineering
14.0702 = Chemical and biomolecular engineering
14.0799 = Chemical engineering, other
14.0801 = Civil engineering, general
14.0802 = Geotechnical and geoenvirons
engineering
14.0803 = Structural engineering
14.0804 = Transportation and highway
engineering
14.0805 = Water resources engineering
14.0899 = Civil engineering, other
14.0901 = Computer engineering, general
14.0902 = Computer hardware engineering
14.0903 = Computer software engineering
14.0999 = Computer engineering, other
14.1001 = Electric/electronics/comm engineering
14.1003 = Laser and optical engineering
14.1004 = Telecommunications engineering
14.1099 = Electric/electronics/comm engin, other
14.1101 = Engineering mechanics
14.1201 = Engineering physics/applied physics
14.1301 = Engineering science
14.1401 = Environmental/environ health
engineering
14.1801 = Materials engineering
14.1901 = Mechanical engineering
14.2001 = Metallurgical engineering
14.2101 = Mining and mineral engineering
14.2201 = Naval architecture/marine engineering
14.2301 = Nuclear engineering
14.2401 = Ocean engineering
14.2501 = Petroleum engineering
14.2701 = Systems engineering
14.2801 = Textile sciences and engineering
14.3201 = Polymer/plastics engineering
14.3301 = Construction engineering
14.3401 = Forest engineering
14.3501 = Industrial engineering
14.3601 = Manufacturing engineering
14.3701 = Operations research
14.3801 = Surveying engineering
14.3901 = Geological/geophysical engineering
14.4001 = Paper science and engineering
14.4101 = Electromechanical engineering
14.4201 = Mechatronics/robotics/automation eng
14.4301 = Biochemical engineering
14.4401 = Engineering chemistry
14.4501 = Biological/biosystems engineering
14.9999 = Engineering, other
15.0000 = Engineering technology, general
15.0101 = Architectural engineering tech
15.0201 = Civil engineering technology/technician
15.0303 = Electrical/electronic/comm engin tech
15.0304 = Laser and optical technology/technician
15.0305 = Telecommunications tech/technician
15.0306 = Integrated circuit design
15.0399 = Electrical/electronic engin tech, other
15.0401 = Biomedical technology/technician
15.0403 = Electromechanical tech/eng tech
15.0404 = Instrumentation technology/technician
15.0405 = Robotics technology/technician
15.0406 = Automation engineer tech/technician
15.0499 = Electromechanical/instrument/maint
tech
15.0501 = Heating, vent, AC, refrigeration eng tech
15.0503 = Energy management and systems tech
15.0505 = Solar energy technology/technician
15.0506 = Water quality and wastewater treatment
15.0507 = Environmental engineering/environ
tech
15.0508 = Hazardous materials mgmt and waste
tech
15.0599 = Environmental control techs, other
15.0607 = Plastics and polymer engineering tech
15.0611 = Metallurgical technology/technician
15.0612 = Industrial technology/technician
15.0613 = Manufacturing engineering tech
15.0614 = Welding engineering tech/technician
15.0615 = Chemical engineering technology
15.0616 = Semiconductor manufacturing
technology
15.0699 = Industrial production tech, other
15.0701 = Occupational safety and health tech
15.0702 = Quality control technology/technician
15.0703 = Industrial safety technology/technician
15.0704 = Hazardous materials info systems tech
15.0799 = Quality control/safety tech, other
15.0801 = Aerospace engineering tech/technician
15.0803 = Automotive engineering
tech/technician
15.0805 = Mechanical engineering/mechanical
tech
15.0899 = Mechanical engin related tech, other
15.0901 = Mining technology/technician
15.0903 = Petroleum technology/technician
15.0999 = Mining/petroleum tech/technicians,
other
15.1001 = Construction engineering
tech/technician
15.1102 = Survey technology/surveying
15.1103 = Hydraulics and fluid power tech
15.1199 = Engineering-related tech, other
15.1201 = Computer engineering tech/technician
15.1202 = Computer technology/computer system
tech
15.1203 = Computer hardware tech/technician
15.1204 = Computer software
technology/technician
15.1299 = Computer eng tech/technicians, other
15.1301 = Drafting/design tech/technician,
general
15.1302 = CAD/CADD drafting/design
tech/technician

15.1303 = Architectural drafting/arch CAD/CADD	16.0801 = Iranian/Persian langs/lit/ling
15.1304 = Civil drafting/engineering CAD/CADD	16.0900 = Romance langs/lit/ling, general
15.1305 = Electric/electronics drafting/CAD/CADD	16.0901 = French language and literature
15.1306 = Mech drafting/mech drafting CAD/CADD	16.0902 = Italian language and literature
15.1399 = Draft/design engineer tech/technicians	16.0904 = Portuguese language and literature
15.1401 = Nuclear engineering tech/technician	16.0905 = Spanish language and literature
15.1501 = Engineering/industrial management	16.0906 = Romanian language and literature
15.1502 = Engineering design 0 0	16.0907 = Catalan language and literature
15.1503 = Packaging science	16.0908 = Hispanic lang/lit/ling, general
15.1599 = Engineering-related fields, other	16.0999 = Romance langs/lit/ling, other
15.1601 = Nanotechnology	16.1001 = American Indian langs/lit/linguistics
15.9999 = Engineering tech/technicians, other	16.1100 = Middle/Near East lang/lit/ling, general
16.0101 = Foreign languages/literatures, general	16.1101 = Arabic language and literature
16.0102 = Linguistics	16.1102 = Hebrew language and literature
16.0103 = Language interpretation and translation	16.1103 = Ancient Near Eastern langs/lit/ling
16.0104 = Comparative literature	16.1199 = Middle/Near Eastern lang/lit/ling, other
16.0105 = Applied linguistics	16.1200 = Classics langs/lit/ling, general
16.0199 = Ling/comp/related lang studies, other	16.1202 = Ancient/classical Greek language/lit
16.0201 = African language/literature/linguistics	16.1203 = Latin language and literature
16.0300 = East Asian lang/lit/ling, general	16.1299 = Classics/classical langs/lit/ling, other
16.0301 = Chinese language and literature	16.1301 = Celtic languages/literature/linguistics
16.0302 = Japanese language and literature	16.1400 = Southeast Asian langs/lit/ling, general
16.0303 = Korean language and literature	16.1401 = Australian language/lit/linguistics
16.0304 = Tibetan language and literature	16.1402 = Bahasa Indonesian/Malay languages/lits
16.0399 = East Asian lang/lit/ling, other	16.1403 = Burmese language and literature
16.0400 = Slavic langs/lit/ling, general	16.1404 = Filipino/Tagalog language/literature
16.0401 = Baltic languages/literature/linguistics	16.1405 = Khmer/Cambodian language and literature
16.0402 = Russian language and literature	16.1406 = Lao/Laotian language and literature
16.0404 = Albanian language and literature	16.1407 = Thai language and literature
16.0405 = Bulgarian language and literature	16.1408 = Vietnamese language and literature
16.0406 = Czech language and literature	16.1499 = Southeast Asian langs/lit/ling, other
16.0407 = Polish language and literature	16.1501 = Turkish language and literature
16.0408 = Serbian, Croatian languages/literatures	16.1502 = Finnish/related langs/lit/linguistics
16.0409 = Slovak language and literature	16.1503 = Hungarian/Magyar language/literature
16.0410 = Ukrainian language and literature	16.1504 = Mongolian language and literature
16.0499 = Slavic/Baltic langs/lit/ling, other	16.1599 = Turkic and related languages, literature
16.0500 = Germanic lang/lit/ling, general	16.1601 = American Sign Language (ASL)
16.0501 = German language and literature	16.1602 = Linguistics of ASL/other sign languages
16.0502 = Scandinavian langs/lit/ling	16.1603 = Sign language interpretation/translation
16.0503 = Danish language and literature	16.1699 = American Sign Language, other
16.0504 = Dutch/Flemish language/literature	16.9999 = Foreign langs/lit/linguistics, other
16.0505 = Norwegian language and literature	19.0000 = Work and family studies
16.0506 = Swedish language and literature	19.0101 = Family/consumer sci/human sci, general
16.0599 = Germanic lang/lit/ling, other	19.0201 = Business/family/consumer/human sciences
16.0601 = Modern Greek language and literature	19.0202 = Family/consumer sci/human sciences comm
16.0700 = South Asian langs/lit/ling, general	19.0203 = Consumer merchandising/retailing mgmt
16.0701 = Hindi language and literature	19.0299 = Family/consumer sci/human sci bus, other
16.0702 = Sanskrit/classical Indian lang/lit/ling	19.0401 = Family resource mgmt studies, general
16.0704 = Bengali language and literature	19.0402 = Consumer economics
16.0705 = Panjabi language and literature	
16.0706 = Tamil language and literature	
16.0707 = Urdu language and literature	
16.0799 = South Asian langs/lit/ling, other	

Appendix F. Facsimiles

- 19.0403 = Consumer services and advocacy
19.0499 = Family/consumer economics/related, other
19.0501 = Food, nutrition, wellness, general
19.0504 = Human nutrition
19.0505 = Foodservice systems admin/management
19.0599 = Food, nutrition, related services, other
19.0601 = Housing and human environments, general
19.0604 = Facilities planning and management
19.0605 = Home furnishings/equipment installers
19.0699 = Housing and human environments, other
19.0701 = Human development/fam studies, general
19.0702 = Adult development and aging
19.0704 = Family systems
19.0706 = Child development
19.0707 = Family and community services
19.0708 = Child care/support services management
19.0709 = Child care provider/assistant
19.0710 = Developmental services worker
19.0799 = Human dev/fam studies/related, other
19.0901 = Apparel and textiles, general
19.0902 = Apparel and textile manufacture
19.0904 = Textile science
19.0905 = Apparel and textile marketing management
19.0906 = Fashion and fabric consultant
19.0999 = Apparel and textiles, other
19.9999 = Family/consumer sci/human sci, other
22.0000 = Legal studies, general
22.0001 = Pre-law studies
22.0101 = Law
22.0201 = Advanced legal research/studies, general
22.0202 = Programs for foreign lawyers
22.0203 = American/U.S. law/legal studies
22.0204 = Canadian law/legal studies/jurisprudence
22.0205 = Banking/corporate/finance/securities law
22.0206 = Comparative law
22.0207 = Energy/environment/natural resources law
22.0208 = Health law
22.0209 = International law and legal studies
22.0210 = International business/trade/tax law
22.0211 = Tax law/taxation
22.0212 = Intellectual property law
22.0299 = Legal rsrch/advanced prof studies, other
22.0301 = Legal administrative assistant/secretary
22.0302 = Legal assistant/paralegal
22.0303 = Court reporting/court reporter
22.0399 = Legal support services, other
22.9999 = Legal professions and studies, other
23.0101 = English language and literature, general
23.1301 = Writing, general
23.1302 = Creative writing
23.1303 = Professional/business/scientific writing
23.1304 = Rhetoric and composition
23.1399 = Rhetoric/composition/writing, other
23.1401 = General literature
23.1402 = American literature (American)
23.1403 = American literature (Canadian)
23.1404 = English lit (British and Commonwealth)
23.1405 = Children's and adolescent literature
23.1499 = Literature, other
23.9999 = English lang/literature/letters, other
24.0101 = Liberal arts/sciences/liberal studies
24.0102 = General studies
24.0103 = Humanities/humanistic studies
24.0199 = Liberal arts/sci, general studies, other
25.0101 = Library and information science
25.0102 = Children and youth library services
25.0103 = Archives/archival administration
25.0199 = Library science and admin, other
25.0301 = Library asst/tech and archives asst/tech
25.9999 = Library science, other
26.0101 = Biology/biological sciences, general
26.0102 = Biomedical sciences, general
26.0202 = Biochemistry
26.0203 = Biophysics
26.0204 = Molecular biology
26.0205 = Molecular biochemistry
26.0206 = Molecular biophysics
26.0207 = Structural biology
26.0208 = Photobiology
26.0209 = Radiation biology/radiobiology
26.0210 = Biochemistry and molecular biology
26.0299 = Biochem, biophysics/molecular bio, other
26.0301 = Botany/plant biology
26.0305 = Plant pathology/phytopathology
26.0307 = Plant physiology
26.0308 = Plant molecular biology
26.0399 = Botany/plant biology, other
26.0401 = Cell/cellular biology and histology
26.0403 = Anatomy
26.0404 = Developmental biology and embryology
26.0406 = Cell/cellular and molecular biology
26.0407 = Cell biology and anatomy
26.0499 = Cell/cellular bio/anatomical sci, other
26.0502 = Microbiology, general
26.0503 = Medical microbiology and bacteriology
26.0504 = Virology
26.0505 = Parasitology
26.0506 = Mycology
26.0507 = Immunology
26.0508 = Microbiology and immunology
26.0599 = Microbiological sci/immunology, other

26.0701 = Zoology/animal biology	26.1504 = Neurobiology and behavior
26.0702 = Entomology	26.1599 = Neurobiology and neurosciences, other
26.0707 = Animal physiology	26.9999 = Biological/biomedical sciences, other
26.0708 = Animal behavior and ethology	27.0101 = Mathematics, general
26.0709 = Wildlife biology	27.0102 = Algebra and number theory
26.0799 = Zoology/animal biology, other	27.0103 = Analysis and functional analysis
26.0801 = Genetics, general	27.0104 = Geometry/geometric analysis
26.0802 = Molecular genetics	27.0105 = Topology and foundations
26.0803 = Microbial and eukaryotic genetics	27.0199 = Mathematics, other
26.0804 = Animal genetics	27.0301 = Applied mathematics, general
26.0805 = Plant genetics	27.0303 = Computational mathematics
26.0806 = Human/medical genetics	27.0304 = Computational and applied mathematics
26.0807 = Genome sciences/genomics	27.0305 = Financial mathematics
26.0899 = Genetics, other	27.0306 = Mathematical biology
26.0901 = Physiology, general	27.0399 = Applied mathematics, other
26.0902 = Molecular physiology	27.0501 = Statistics, general
26.0903 = Cell physiology	27.0502 = Mathematical statistics/probability
26.0904 = Endocrinology	27.0503 = Mathematics and statistics
26.0905 = Reproductive biology	27.0599 = Statistics, other
26.0907 = Cardiovascular science	27.9999 = Mathematics and statistics, other
26.0908 = Exercise physiology	29.0201 = Intelligence, general
26.0909 = Vision science/physiological optics	29.0202 = Strategic intelligence
26.0910 = Pathology/experimental pathology	29.0203 = Signal/geospatial intelligence
26.0911 = Oncology and cancer biology	29.0204 = Command & control (C3, C4I) systems/ops
26.0912 = Aerospace physiology and medicine	29.0205 = Information ops/joint information ops
26.0999 = Physiology/pathology/related sci, other	29.0206 = Information warfare/military media rel
26.1001 = Pharmacology	29.0207 = Cyber/electronic operations and warfare
26.1002 = Molecular pharmacology	29.0299 = Intel/command control/info ops, other
26.1003 = Neuropharmacology	29.0301 = Combat systems engineering
26.1004 = Toxicology	29.0302 = Directed energy systems
26.1005 = Molecular toxicology	29.0303 = Engineering acoustics
26.1006 = Environmental toxicology	29.0304 = Low-observables and stealth technology
26.1007 = Pharmacology and toxicology	29.0305 = Space systems operations
26.1099 = Pharmacology and toxicology, other	29.0306 = Operational oceanography
26.1101 = Biometry/biometrics	29.0307 = Undersea warfare
26.1102 = Biostatistics	29.0399 = Military applied sciences, other
26.1103 = Bioinformatics	29.0401 = Aerospace ground equipment technology
26.1104 = Computational biology	29.0402 = Air and space operations technology
26.1199 = Biomath, bioinformatics, comp bio, other	29.0403 = Aircraft armament systems technology
26.1201 = Biotechnology	29.0404 = Explosive ordnance/bomb disposal
26.1301 = Ecology	29.0405 = Joint command/task force (C3, C4I) syst
26.1302 = Marine biology/biological oceanography	29.0406 = Military information systems technology
26.1303 = Evolutionary biology	29.0407 = Missile and space systems technology
26.1304 = Aquatic biology/limnology	29.0408 = Munitions systems/ordinance technology
26.1305 = Environmental biology	29.0409 = Radar commun and systems tech
26.1306 = Population biology	29.0499 = Military systems and maint tech, other
26.1307 = Conservation biology	29.9999 = Military tech/applied sciences, other
26.1308 = Systematic biology	30.0000 = Multi/interdisciplinary studies, general
26.1309 = Epidemiology	30.0101 = Biological and physical sciences
26.1310 = Ecology and evolutionary biology	30.0501 = Peace studies and conflict resolution
26.1399 = Ecology/evolution/pop biology, other	30.0601 = Systems science and theory
26.1401 = Molecular medicine	
26.1501 = Neuroscience	
26.1502 = Neuroanatomy	
26.1503 = Neurobiology and anatomy	

Appendix F. Facsimiles

30.0801 = Mathematics and computer science	38.9999 = Philosophy and religious studies, other
30.1001 = Biopsychology	39.0201 = Bible/biblical studies
30.1101 = Gerontology	39.0301 = Missions/missionary studies/missiology
30.1201 = Historic preservation and conservation	39.0401 = Religious education
30.1202 = Cultural resource mgmt/policy analysis	39.0501 = Religious/sacred music
30.1299 = Historic preservation and conserv, other	39.0601 = Theology/theological studies
30.1301 = Medieval and renaissance studies	39.0602 = Divinity/ministry
30.1401 = Museology/museum studies	39.0604 = Pre-theology/pre-ministerial studies
30.1501 = Science, technology and society	39.0605 = Rabbinical studies
30.1601 = Accounting and computer science	39.0606 = Talmudic studies
30.1701 = Behavioral sciences	39.0699 = Theological/ministerial studies, other
30.1801 = Natural sciences	39.0701 = Pastoral studies/counseling
30.1901 = Nutrition sciences	39.0702 = Youth ministry
30.2001 = International/global studies	39.0703 = Urban ministry
30.2101 = Holocaust and related studies	39.0704 = Women's ministry
30.2201 = Ancient studies/civilization	39.0705 = Lay ministry
30.2202 = Classical Mediterranean studies/archaeol	39.0799 = Pastoral counseling/ministries, other
30.2301 = Multi/intercultural/diversity studies	39.9999 = Theology and religious vocations, other
30.2501 = Cognitive science	40.0101 = Physical sciences
30.2601 = Cultural studies/critical theory	40.0201 = Astronomy
30.2701 = Human biology	40.0202 = Astrophysics
30.2801 = Dispute resolution	40.0203 = Planetary astronomy and science
30.2901 = Maritime studies	40.0299 = Astronomy and astrophysics, other
30.3001 = Computational science	40.0401 = Atmospheric science/meteorology, general
30.3101 = Human computer interaction	40.0402 = Atmospheric chemistry and climatology
30.3201 = Marine sciences	40.0403 = Atmospheric physics and dynamics
30.3301 = Sustainability studies	40.0404 = Meteorology
30.9999 = Multi-/interdisciplinary studies, other	40.0499 = Atmospheric science/meteorology, other
31.0101 = Parks, recreation and leisure studies	40.0501 = Chemistry, general
31.0301 = Parks/rec/leisure facil mgmt, general	40.0502 = Analytical chemistry
31.0302 = Golf course operation and grounds mgmt	40.0503 = Inorganic chemistry
31.0399 = Parks/rec/leisure facilities mgmt, other	40.0504 = Organic chemistry
31.0501 = Health/physical ed/fitness, general	40.0506 = Physical chemistry
31.0504 = Sport and fitness administration/mgmt	40.0507 = Polymer chemistry
31.0505 = Kinesiology and exercise science	40.0508 = Chemical physics
31.0507 = Physical fitness technician	40.0509 = Environmental chemistry
31.0508 = Sports studies	40.0510 = Forensic chemistry
31.0599 = Health/physical education/fitness, other	40.0511 = Theoretical chemistry
31.0601 = Outdoor education	40.0599 = Chemistry, other
31.9999 = Parks/recreation/leisure/fitness, other	40.0601 = Geology/earth science, general
38.0001 = Philosophy/religious studies, general	40.0602 = Geochemistry
38.0101 = Philosophy	40.0603 = Geophysics and seismology
38.0102 = Logic	40.0604 = Paleontology
38.0103 = Ethics	40.0605 = Hydrology and water resources science
38.0104 = Applied and professional ethics	40.0606 = Geochemistry and petrology
38.0199 = Philosophy, other	40.0607 = Oceanography, chemical and physical
38.0201 = Religion/religious studies	40.0699 = Geological/earth sciences/geosci, other
38.0202 = Buddhist studies	40.0801 = Physics, general
38.0203 = Christian studies	40.0802 = Atomic/molecular physics
38.0204 = Hindu studies	40.0804 = Elementary particle physics
38.0205 = Islamic studies	40.0805 = Plasma and high-temperature physics
38.0206 = Jewish/Judaic studies	40.0806 = Nuclear physics
38.0299 = Religion/religious studies, other	40.0807 = Optics/optical sciences
	40.0808 = Condensed matter and materials physics
	40.0809 = Acoustics

40.0810 = Theoretical and mathematical physics	43.0112 = Securities services administration/mgmt
40.0899 = Physics, other	43.0113 = Corrections administration
40.1001 = Materials science	43.0114 = Law enforcement investig/interviewing
40.1002 = Materials chemistry	43.0115 = Law enforc record-keeping/evidence
40.1099 = Materials sciences, other	mgmt
40.9999 = Physical sciences, other	43.0116 = Cyber/comp
41.0000 = Science technologies/technicians general	forensics/counterterrorism
41.0101 = Biology tech/biotechnology lab tech	43.0117 = Financial forensics/fraud investigation
41.0204 = Industrial radiologic tech	43.0118 = Law enforcement intelligence analysis
41.0205 = Nuclear/nuclear power tech/technician	43.0119 = Critical response/special police ops
41.0299 = Nuclear/industrial radiologic tech other	43.0120 = Protective services operations
41.0301 = Chemical technology/technician	43.0121 = Suspension and debarment
41.0303 = Chemical process technology	investigation
41.0399 = Physical science tech, other	43.0122 = Maritime law enforcement
41.1901 = [Label not specified]	43.0123 = Cultural/archaeological resource protect
41.9999 = Science technologies/technicians, other	43.0199 = Corrections and criminal justice, other
42.0101 = Psychology, general	43.0201 = Fire prevention and safety tech
42.2701 = Cognitive psychology/psycholinguistics	43.0202 = Fire services administration
42.2702 = Comparative psychology	43.0203 = Fire science/firefighting
42.2703 = Developmental and child psychology	43.0204 = Fire technology
42.2704 = Experimental psychology	43.0205 = Fire/arson investigation and prevention
42.2705 = Personality psychology	43.0206 = Wildland/forest firefighting/investigat
42.2706 = Physiological psychology/psychobiology	43.0299 = Fire protection, other
42.2707 = Social psychology	43.0301 = Homeland security
42.2708 = Psychometrics/quantitative psychology	43.0302 = Crisis/emergency/disaster management
42.2709 = Psychopharmacology	43.0303 = Critical infrastructure protection
42.2799 = Research/experimental psychology, other	43.0304 = Terrorism/counterterrorism operations
42.2801 = Clinical psychology	43.0399 = Homeland security, other
42.2802 = Community psychology	43.9999 = Homeland security/other protective srvc
42.2803 = Counseling psychology	44.0000 = Human services, general
42.2804 = Industrial and organizational psychology	44.0201 = Community organization and advocacy
42.2805 = School psychology	44.0401 = Public administration
42.2806 = Educational psychology	44.0501 = Public policy analysis
42.2807 = Clinical child psychology	44.0502 = Education policy analysis
42.2808 = Environmental psychology	44.0503 = Health policy analysis
42.2809 = Geropsychology	44.0504 = International public policy analysis
42.2810 = Health/medical psychology	44.0599 = Public policy analysis, other
42.2811 = Family psychology	44.0701 = Social work
42.2812 = Forensic psychology	44.0702 = Youth services/administration
42.2813 = Applied psychology	44.0799 = Social work, other
42.2814 = Applied behavior analysis	44.9999 = Public admin/social service, other
42.2899 = Clinical/counseling/applied psych, other	45.0101 = Social science, general
42.9999 = Psychology, other	45.0102 = Research methodology and quant methods
43.0102 = Corrections	45.0201 = Anthropology
43.0103 = Criminal justice/law enforcement admin	45.0202 = Physical and biological anthropology
43.0104 = Criminal justice/safety studies	45.0203 = Medical anthropology
43.0106 = Forensic science and technology	45.0204 = Cultural anthropology
43.0107 = Criminal justice/police science	45.0299 = Anthropology, other
43.0109 = Security and loss prevention services	45.0301 = Archeology
43.0110 = Juvenile corrections	45.0401 = Criminology
43.0111 = Criminalistics and criminal	45.0501 = Demography and population studies

Appendix F. Facsimiles

45.0604 = Development econ/international dvlpmnt	47.0106 = Appliance installation and repair tech
45.0605 = International economics	47.0110 = Security sys install/repair/inspect tech
45.0699 = Economics, other	47.0199 = Electric/electronics maint/repair, other
45.0701 = Geography	47.0201 = Heating, ac, vent, refrigeration maintnc
45.0702 = Geographic info science and cartography	47.0302 = Heavy equipment maintenance tech
45.0799 = Geography, other	47.0303 = Industrial mechanics/maint technology
45.0901 = International relations/affairs	47.0399 = Heavy/industrial equip maint tech, other
45.0902 = National security policy studies	47.0402 = Gunsmithing/gunsmith
45.0999 = International rel/national security, other	47.0403 = Locksmithing and safe repair
45.1001 = Political science/government, general	47.0404 = Musical instrument fabrication/repair
45.1002 = American government and politics (U.S.)	47.0408 = Watchmaking and jewelrymaking
45.1003 = Canadian government and politics	47.0409 = Parts and warehousing ops and maint tech
45.1004 = Political economy	47.0499 = Precision syst maint/repair tech, other
45.1099 = Political science and government, other 5	47.0600 = Vehicle maint/repair tech, general
45.1101 = Sociology	47.0603 = Autobody/collision and repair tech
45.1201 = Urban studies/affairs	47.0604 = Automotive mechanics tech/technician
45.1301 = Sociology and anthropology	47.0605 = Diesel mechanics technology/technician
45.1401 = Rural sociology	47.0606 = Small engine mechanics and repair tech
45.9999 = Social sciences, other	47.0607 = Airframe mechanics/aircraft maint tech
46.0000 = Construction trades, general	47.0608 = Aircraft powerplant tech
46.0101 = Mason/masonry	47.0609 = Avionics maintenance tech/technician
46.0201 = Carpentry/carpenter	47.0610 = Bicycle mechanics and repair tech
46.0301 = Electric/power transmiss install general	47.0611 = Motorcycle maintenance and repair tech
46.0302 = Electrician	47.0612 = Vehicle emissions inspection/maint tech
46.0303 = Lineworker	47.0613 = Medium/heavy vehicle and truck tech
46.0399 = Electric/power transmiss installer other	47.0614 = Alternative fuel vehicle tech
46.0401 = Building/property maintenance	47.0615 = Engine machinist
46.0402 = Concrete finishing/concrete finisher	47.0616 = Marine maint/fitter and ship repair tech
46.0403 = Building/home/construction inspection	47.0617 = High performance/custom engine tech/mech
46.0404 = Drywall installation/drywaller	47.0618 = Recreation vehicle (RV) service tech
46.0406 = Glazier	47.0699 = Vehicle maint/repair tech, other
46.0408 = Painting/painter and wall coverer	47.9999 = Mechanic and repair tech, other
46.0410 = Roofer	48.0000 = Precision production trades, general
46.0411 = Metal building assembly/assembler	48.0303 = Upholstery/upholsterer
46.0412 = Building/construction site management	48.0304 = Shoe, boot and leather repair
46.0413 = Carpet, floor, and tile worker	48.0399 = Leatherworking and upholstery, other
46.0414 = Insulator	48.0501 = Machine tool technology/machinist
46.0415 = Building construction technology	48.0503 = Machine shop technology/assistant
46.0499 = Bldg/construction mgmt, inspection other	48.0506 = Sheet metal technology/sheetworking
46.0502 = Pipefitting/pipefitter/sprinkler fitter	48.0507 = Tool and die technology/technician
46.0503 = Plumbing technology/plumber	48.0508 = Welding technology/welder
46.0504 = Well drilling/driller	48.0509 = Ironworking/ironworker
46.0505 = Blasting/blaster	48.0510 = Computer numer controlled (CNC) tech
46.0599 = Plumbing/water supply services, other	48.0511 = Metal fabricator
46.9999 = Construction trades, other	48.0599 = Precision metal working, other
47.0000 = Mechanics and repairers, general	48.0701 = Woodworking, general
47.0101 = Electric/electron install/repair general	48.0702 = Furniture design and manufacturing
47.0102 = Business machine repairer	48.0703 = Cabinetmaking and millwork
47.0103 = Communications systs install/repair tech	48.0799 = Woodworking, other
47.0104 = Computer installation and repair tech	48.0801 = Boilermaking/boilermaker
47.0105 = Industrial electronics tech/technician	48.9999 = Precision production, other

49.0101 = Aeronautics/aviation sci/tech, general	50.0706 = Intermedia/multimedia
49.0102 = Airline/commercial pilot and flight crew	50.0708 = Painting
49.0104 = Aviation/airway management and ops	50.0709 = Sculpture
49.0105 = Air traffic controller	50.0710 = Printmaking
49.0106 = Airline flight attendant	50.0711 = Ceramic arts and ceramics
49.0108 = Flight instructor	50.0712 = Fiber, textile and weaving arts
49.0199 = Air transportation, other	50.0713 = Metal and jewelry arts
49.0202 = Construction/earthmoving equip operation	50.0799 = Fine arts and art studies, other
49.0205 = Truck/bus commercial vehicle operator	50.0901 = Music, general
49.0206 = Mobil crane operation/operator	50.0902 = Music history, literature, and theory
49.0207 = Flagging and traffic control	50.0903 = Music performance, general
49.0208 = Railroad and railway transportation	50.0904 = Music theory and composition
49.0299 = Ground transportation, other	50.0905 = Musicology and ethnomusicology
49.0303 = Commercial fishing	50.0906 = Conducting
49.0304 = Diver, professional and instructor	50.0907 = Keyboard instruments
49.0309 = Marine science/merchant marine officer	50.0908 = Voice and opera
49.0399 = Marine transportation, other	50.0910 = Jazz/jazz studies
49.9999 = Transportation/materials moving, other	50.0911 = Stringed instruments
50.0101 = Visual and performing arts, general	50.0912 = Music pedagogy
50.0102 = Digital arts	50.0913 = Music technology
50.0201 = Crafts/craft design, folk art, artisanry	50.0914 = Brass instruments
50.0301 = Dance, general	50.0915 = Woodwind instruments
50.0302 = Ballet	50.0916 = Percussion instruments
50.0399 = Dance, other	50.0999 = Music, other
50.0401 = Design/visual communications, general	51.0001 = Arts, entertainment, media mgmt, general
50.0402 = Commercial and advertising art	51.0002 = Fine and studio arts management
50.0404 = Industrial and product design	51.0003 = Music management
50.0406 = Commercial photography	51.0004 = Theatre/theatre arts management
50.0407 = Fashion/apparel design	51.0099 = Arts, entertainment, media mgmt, other
50.0408 = Interior design	50.9999 = Visual and performing arts, other
50.0409 = Graphic design	51.0000 = Health services/allied health, general
50.0410 = Illustration	51.0001 = Health and wellness, general
50.0411 = Game and interactive media design	51.0101 = Chiropractic
50.0499 = Design and applied arts, other	51.0201 = Communication science/disorders, general
50.0501 = Drama/dramatics/theatre arts, general	51.0202 = Audiology/audiologist
50.0502 = Technical theatre/design/technology	51.0203 = Speech-language pathology/pathologist
50.0504 = Playwriting and screenwriting	51.0204 = Audiologist/speech-language pathologist
50.0505 = Theatre literature, history, criticism	51.0299 = Communication disorders sci/srvcs, other
50.0506 = Acting	51.0401 = Dentistry
50.0507 = Directing and theatrical production	51.0501 = Dental clinical sciences, general
50.0509 = Musical theatre	51.0502 = Advanced general dentistry
50.0510 = Costume design	51.0503 = Oral bio, oral/maxillofacial pathology
50.0599 = Dramatic/theatre arts/stagecraft, other	51.0504 = Dental public health and education
50.0601 = Film/cinema/video studies	51.0505 = Dental materials
50.0602 = Cinematography and film/video production	51.0506 = Endodontics/endodontontology
50.0605 = Photography	51.0507 = Oral/maxillofacial surgery
50.0607 = Documentary production	51.0508 = Orthodontics/orthodontontology
50.0699 = Film/video and photographic arts, other	51.0509 = Pediatric dentistry/pedodontics
50.0701 = Art/art studies, general	51.0510 = Periodontics/periodontology
50.0702 = Fine/studio arts, general	51.0511 = Prosthodontics/prosthodontontology
50.0703 = Art history, criticism and conservation	51.0599 = Advanced dentistry/oral sci, other
50.0705 = Drawing	51.0601 = Dental assisting/assistant
	51.0602 = Dental hygiene/hygienist

Appendix F. Facsimiles

- 51.0603 = Dental laboratory technology/technician
51.0699 = Dental services and allied professions
51.0701 = Health/health care administration/mgmt
51.0702 = Hospital/health care facil admin/mgmt
51.0703 = Health unit coordinator/ward clerk
51.0704 = Health unit manager/ward supervisor
51.0705 = Medical office management/administration
51.0706 = Health info/medical records admin
51.0707 = Health info/medical records tech
51.0708 = Medical transcription/transcriptionist
51.0709 = Medical office computer specialist/asst
51.0710 = Medical office assistant/specialist
51.0711 = Medical/health mgmt and clinical asst
51.0712 = Medical reception/receptionist
51.0713 = Medical insur coding specialist/coder
51.0714 = Medical insurance specialist/med biller
51.0715 = Health/medical claims examiner
51.0716 = Medical admin/executive asst/secretary
51.0717 = Medical staff services tech
51.0718 = Long term care administration/mgmt
51.0719 = Clinical research coordinator
51.0799 = Health and medical admin services, other
51.0801 = Medical/clinical assistant
51.0802 = Clinical/medical laboratory assistant
51.0803 = Occupational therapist assistant
51.0805 = Pharmacy technician/assistant
51.0806 = Physical therapy technician/assistant
51.0808 = Veterinary/animal health tech/assistant
51.0809 = Anesthesiologist assistant
51.0810 = Emergency care attendant (EMT ambulance)
51.0811 = Pathology/pathologist assistant
51.0812 = Respiratory therapy tech/assistant
51.0813 = Chiropractic assistant/technician
51.0814 = Radiologist assistant
51.0815 = Lactation consultant
51.0816 = Speech-language pathology assistant
51.0899 = Allied hlth/medical asst services, other
51.0901 = Cardiovascular technology/technologist
51.0902 = Electrocardiograph technology/technician
51.0903 = Electroneurodiagnostic tech
51.0904 = Emergency medical tech (EMT paramedic)
51.0905 = Nuclear medical technology/technologist
51.0906 = Perfusion technology/perfusionist
51.0907 = Medical radiologic tech/sci/therapist
51.0908 = Respiratory care therapy/therapist
51.0909 = Surgical technology/technologist
51.0910 = Diagnostic sonography/ultrasound tech
51.0911 = Radiologic tech/science/radiographer
51.0912 = Physician assistant
51.0913 = Athletic training/trainer
51.0914 = Gene/genetic therapy
51.0915 = Cardiopulmonary tech/technologist
51.0916 = Radiation protection/health physics tech
51.0917 = Polysomnography
51.0918 = Hearing instrument specialist
51.0919 = Mammography technician/technology
51.0920 = Magnetic resonance (MRI) tech
51.0999 = Allied hlth diagnostic/treatment, other
51.1001 = Blood bank technology specialist
51.1002 = Cytotechnology/cytotechnologist
51.1003 = Hematology technology/technician
51.1004 = Clinical/medical laboratory technician
51.1005 = Clinical laboratory science/medical tech
51.1006 = Ophthalmic laboratory tech/technician
51.1007 = Histologic technology/histotechnologist
51.1008 = Histologic technician
51.1009 = Phlebotomy technician/phlebotomist
51.1010 = Cytogenetics/clinical genetics tech
51.1011 = Renal/dialysis technologist/technician
51.1012 = Sterile processing technology/technician
51.1099 = Clinical/medical lab/allied prof, other
51.1101 = Pre-dentistry studies
51.1102 = Pre-medicine/pre-medical studies
51.1103 = Pre-pharmacy studies
51.1104 = Pre-veterinary studies
51.1105 = Pre-nursing studies
51.1106 = Pre-chiropractic studies
51.1107 = Pre-occupational therapy studies
51.1108 = Pre-optometry studies
51.1109 = Pre-physical therapy studies
51.1199 = Health/medical prep programs, other
51.1201 = Medicine
51.1401 = Medical scientist
51.1501 = Substance abuse/addiction counseling
51.1502 = Psychiatric/mental health services tech
51.1503 = Clinical/medical social work
51.1504 = Community health services/counseling
51.1505 = Marriage and family therapy/counseling
51.1506 = Clinical pastoral/patient counseling
51.1507 = Psychoanalysis and psychotherapy
51.1508 = Mental health counseling/counselor
51.1509 = Genetic counseling/counselor
51.1599 = Mental/social health svcs/allied, other
51.1701 = Optometry
51.1801 = Opticianry/ophthalmic dispensing optic
51.1802 = Optometric technician/assistant
51.1803 = Ophthalmic technician/technologist
51.1804 = Orthoptics/orthoptist
51.1899 = Ophthalmic/optometric supp/allied, other
51.1901 = Osteopathic medicine/osteopathy
51.2001 = Pharmacy

- 51.2002 = Pharmacy admin/policy/regulatory affairs
 51.2003 = Pharmaceutics and drug design
 51.2004 = Medicinal and pharmaceutical chemistry
 51.2005 = Natural products chemistry/pharmacognosy
 51.2006 = Clinical and industrial drug development
 51.2007 = Pharmacoeconomics/pharmaceutical econ
 51.2008 = Clinical/hospital/managed care pharmacy
 51.2009 = Industrial/cosmetic sciences
 51.2010 = Pharmaceutical sciences
 51.2011 = Pharmaceutical marketing and management
 51.2099 = Pharmacy/pharmaceutical sci/admin, other
 51.2101 = Podiatric medicine/podiatry
 51.2201 = Public health, general
 51.2202 = Environmental health
 51.2205 = Health/medical physics
 51.2206 = Occupational health/industrial hygiene
 51.2207 = Public health education and promotion
 51.2208 = Community health and preventive medicine
 51.2209 = Maternal and child health
 51.2210 = International health/public health
 51.2211 = Health services administration
 51.2212 = Behavioral aspects of health
 51.2299 = Public health, other
 51.2301 = Art therapy/therapist
 51.2302 = Dance therapy/therapist
 51.2305 = Music therapy/therapist
 51.2306 = Occupational therapy/therapist
 51.2307 = Orthotist/prosthetist
 51.2308 = Physical therapy/therapist
 51.2309 = Therapeutic rec/recreational therapy
 51.2310 = Vocational rehabilitation counseling
 51.2311 = Kinesiotherapy/kinesiotherapist
 51.2312 = Assistive/augmentative tech/rehab engnrg
 51.2313 = Animal-assisted therapy
 51.2314 = Rehabilitation science
 51.2399 = Rehab/therapeutic professions, other
 51.2401 = Veterinary medicine (DVM)
 51.2501 = Veterinary sciences, general
 51.2502 = Veterinary anatomy
 51.2503 = Veterinary physiology
 51.2504 = Veterinary microbiology/immunobiology
 51.2505 = Veterinary pathology and pathobiology
 51.2506 = Veterinary toxicology and pharmacology
 51.2507 = Large/food animal and equine surgery/med
 51.2508 = Small/companion animal surgery/medicine
 51.2509 = Comparative/laboratory animal medicine
 51.2510 = Veterinary preventive medicine/pub hlth
 51.2511 = Veterinary infectious diseases
 51.2599 = Veterinary biomed/clinical sci, other
 51.2601 = Health aide
 51.2602 = Home health aide/home attendant
 51.2603 = Medication aide
 51.2604 = Rehabilitation aide
 51.2699 = Health aides/attendants/orderlies, other
 51.2703 = Medical illustration/medical illustrator
 51.2706 = Medical informatics
 51.2799 = Medical illustration/informatics other
 51.3101 = Dietetics/dietitian
 51.3102 = Clinical nutrition/nutritionist
 51.3103 = Dietetic technician
 51.3104 = Dietitian assistant
 51.3199 = Dietetics/clinical nutrition services
 51.3201 = Bioethics/medical ethics
 51.3300 = Alternative medicine/med systems general
 51.3301 = Acupuncture and oriental medicine
 51.3302 = Traditional Chinese medicine/herbology
 51.3303 = Naturopathic medicine/naturopathy
 51.3304 = Homeopathic medicine/homeopathy
 51.3305 = Ayurvedic medicine/Ayurveda
 51.3306 = Holistic health
 51.3399 = Alternative medicine/med systems, other
 51.3401 = Direct entry midwifery
 51.3499 = Alternative medical support svcs, other
 51.3501 = Massage therapy/therapeutic massage
 51.3502 = Asian bodywork therapy
 51.3503 = Somatic bodywork
 51.3599 = Somatic bodywork/related services, other
 51.3601 = Movement therapy and movement education
 51.3602 = Yoga teacher training/yoga therapy
 51.3603 = Hypnotherapy/hypnotherapist
 51.3699 = Movement/mind-body therapies/ed, other
 51.3701 = Aromatherapy
 51.3702 = Herbalism/herbalist
 51.3703 = Polarity therapy
 51.3704 = Reiki
 51.3799 = Energy/biological based therapies, other
 51.3801 = Nursing/registered nurse
 51.3802 = Nursing administration
 51.3803 = Adult health nurse/nursing
 51.3804 = Nurse anesthetist

Appendix F. Facsimiles

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| <p>51.3805 = Family practice nurse
 51.3806 = Maternal/child health and neonatal nurse
 51.3807 = Nurse midwife/nursing midwifery
 51.3808 = Nursing science
 51.3809 = Pediatric nurse/nursing
 51.3810 = Psychiatric/mental health nurse/nursing
 51.3811 = Public health/community nurse/nursing
 51.3812 = Perioperat/operating room/surgical nurse
 51.3813 = Clinical nurse specialist
 51.3814 = Critical care nursing
 51.3815 = Occupational/environ health nursing
 51.3816 = Emergency room/trauma nursing
 51.3817 = Nursing education
 51.3818 = Nursing practice
 51.3819 = Palliative care nursing
 51.3820 = Clinical nurse leader
 51.3821 = Geriatric nurse/nursing
 51.3822 = Women's health nurse/nursing
 51.3899 = Registered nursing admin/research/clinic
 51.3901 = Licensed practical/vocat nurse training
 51.3902 = Nurse/nursing aide/patient care asst
 51.3999 = Practical/vocational nursing/assts other
 51.9999 = Health professions/related science other
 52.0101 = Business/commerce, general
 52.0201 = Business admin and management, general
 52.0202 = Purchasing, procurement/contracts mgmt
 52.0203 = Logistics materials/supply chain mgmt
 52.0204 = Office management and supervision
 52.0205 = Operations management and supervision
 52.0206 = Non-profit/public/organizational mgmt
 52.0207 = Customer service management
 52.0208 = E-commerce/electronic commerce
 52.0209 = Transportation/mobility management
 52.0210 = Research and development management
 52.0211 = Project management
 52.0212 = Retail management
 52.0213 = Organizational leadership
 52.0299 = Business/managerial operations, other
 52.0301 = Accounting
 52.0302 = Accounting tech/technician/bookkeeping
 52.0303 = Auditing
 52.0304 = Accounting and finance
 52.0305 = Accounting and business/management
 52.0399 = Accounting and related services, other
 52.0401 = Admin asst/secretarial sciences, general</p> | <p>52.0402 = Executive assistant/executive secretary
 52.0406 = Receptionist
 52.0407 = Business/office automation/data entry
 52.0408 = General office occupations/clerical srvc
 52.0409 = Parts, warehousing, inventory mgmt ops
 52.0410 = Traffic/customs/transport clerk/tech
 52.0411 = Customer service support/call center
 52.0499 = Business ops support services, other
 52.0501 = Business/corporate communications
 52.0601 = Business/managerial economics
 52.0701 = Entrepreneurship/entrepreneurial studies
 52.0702 = Franchising and franchise operations
 52.0703 = Small business administration/mgmt
 52.0799 = Entrepreneurial and small bus ops, other
 52.0801 = Finance, general
 52.0803 = Banking and financial support services
 52.0804 = Financial planning and services
 52.0806 = International finance
 52.0807 = Investments and securities
 52.0808 = Public finance
 52.0809 = Credit management
 52.0899 = Finance/financial mgmt services, other
 52.0901 = Hospitality administration/mgmt, general
 52.0903 = Tourism and travel services management
 52.0904 = Hotel/motel administration/management
 52.0905 = Restaurant/food services management
 52.0906 = Resort management
 52.0907 = Meeting and event planning
 52.0908 = Casino management
 52.0909 = Hotel, motel, and restaurant management
 52.0999 = Hospitality administration/mgmt, other
 52.1001 = Human resources mgmt/pers admin, general
 52.1002 = Labor and industrial relations
 52.1003 = Organizational behavior studies
 52.1004 = Labor studies
 52.1005 = Human resources development
 52.1099 = Human resources mgmt and services, other
 52.1101 = International business/trade/commerce
 52.1201 = Management information systems, general
 52.1206 = Information resources management
 52.1207 = Knowledge management
 52.1299 = Management info systems/services, other
 52.1301 = Management science
 52.1302 = Business statistics
 52.1304 = Actuarial science</p> |
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52.1399 = Management sci and quant methods, other	60.0308 = Veterinary nutrition
52.1401 = Marketing/marketing management, general	60.0309 = Veterinary ophthalmology
52.1402 = Marketing research	60.0310 = Veterinary pathology
52.1403 = International marketing	60.0311 = Veterinary practice
52.1499 = Marketing, other	60.0312 = Veterinary preventive medicine
52.1501 = Real estate	60.0313 = Veterinary radiology
52.1601 = Taxation	60.0314 = Veterinary surgery
52.1701 = Insurance	60.0315 = Theriogenology
52.1801 = Sales/distrib/marketing ops, general	60.0316 = Veterinary toxicology
52.1802 = Merchandising and buying operations	60.0317 = Zoological medicine.
52.1803 = Retailing and retail operations	60.0318 = Poultry veterinarian
52.1804 = Selling skills and sales operations	60.0319 = Veterinary behaviorist
52.1899 = General merch, sales/marketing ops other	60.0320 = Veterinary clinical pharmacology
52.1901 = Auctioneering	60.0399 = Veterinary residency programs, other
52.1902 = Fashion merchandising	60.0401 = Aerospace medicine
52.1903 = Fashion modeling	60.0402 = Allergy and immunology
52.1904 = Apparel and accessories marketing ops	60.0403 = Anesthesiology
52.1905 = Tourism/travel services marketing ops	60.0404 = Child neurology
52.1906 = Tourism promotion operations	60.0405 = Clinical biochemical genetics
52.1907 = Vehicle/part/accessories marketing ops	60.0406 = Clinical cytogenetics
52.1908 = Business/financial svcs marketing ops	60.0407 = Clinical genetics
52.1909 = Special products marketing operations	60.0408 = Clinical molecular genetics
52.1910 = Hospitality/recreation marketing ops	60.0409 = Colon and rectal surgery
52.1999 = Specialized merch/marketing ops, other	60.0410 = Dermatology
52.2001 = Construction management	60.0411 = Diagnostic radiology
52.2101 = Telecommunications management	60.0412 = Emergency medicine
52.9999 = Business, management, marketing, other	60.0413 = Family medicine
54.0101 = History, general	60.0414 = General surgery
54.0102 = American history United States	60.0415 = Internal medicine
54.0103 = European history	60.0416 = Neurological surgery
54.0104 = History and philosophy of science/tech	60.0417 = Neurology
54.0105 = Public/applied history	60.0418 = Nuclear medicine
54.0106 = Asian history	60.0419 = Obstetrics and gynecology
54.0107 = Canadian history	60.0420 = Occupational medicine
54.0108 = Military history	60.0421 = Ophthalmology
54.0199 = History, other	60.0422 = Orthopaedic surgery
60.0101 = Oral and maxillofacial surgery specialty	60.0423 = Otolaryngology
60.0102 = Dental public health specialty.	60.0424 = Pathology
60.0103 = Endodontics specialty	60.0425 = Pediatrics
60.0104 = Oral/maxillofacial pathology specialty	60.0426 = Physical medicine and rehabilitation
60.0105 = Orthodontics specialty	60.0427 = Plastic surgery
60.0106 = Pediatric dentistry specialty	60.0428 = Psychiatry
60.0107 = Periodontology specialty	60.0429 = Public health/general preventive med
60.0108 = Prosthodontics specialty.	60.0430 = Radiation oncology
60.0109 = Oral and maxillofacial radiology	60.0431 = Radiologic physics
60.0199 = Dental residency program, other	60.0432 = Thoracic surgery
60.0301 = Veterinary anesthesiology	60.0433 = Urology
60.0302 = Veterinary dentistry	60.0434 = Vascular surgery
60.0303 = Veterinary dermatology	60.0499 = Medical residency gen certificate, other
60.0304 = Veterinary emergency/critical care med	60.0501 = Addiction psychiatry
60.0305 = Veterinary internal medicine	60.0502 = Adolescent medicine
60.0306 = Laboratory animal medicine	60.0503 = Blood banking/transfusion medicine
60.0307 = Veterinary microbiology	60.0504 = Cardiovascular disease

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60.0509 = Clinical neurophysiology
60.0510 = Congenital cardiac surgery
60.0511 = Critical care medicine
60.0512 = Cytopathology
60.0513 = Dermatopathology
60.0514 = Developmental-behavioral pediatrics
60.0515 = Diagnostic radiologic physics
60.0516 = Endocrinology, diabetes and metabolism
60.0517 = Forensic pathology
60.0518 = Forensic psychiatry
60.0519 = Gastroenterology
60.0520 = Geriatric medicine
60.0521 = Geriatric psychiatry
60.0522 = Gynecologic oncology
60.0523 = Hematological pathology
60.0524 = Hematology
60.0525 = Hospice and palliative medicine
60.0526 = Immunopathology
60.0527 = Infectious disease
60.0528 = Interventional cardiology
60.0529 = Laboratory medicine
60.0530 = Maternal and fetal medicine
60.0531 = Medical biochemical genetics
60.0532 = Medical microbiology
60.0533 = Medical nuclear physics
60.0534 = Medical oncology
60.0535 = Medical toxicology
60.0536 = Molecular genetic pathology
60.0537 = Musculoskeletal oncology
60.0538 = Neonatal-perinatal medicine
60.0539 = Nephrology
60.0540 = Neurodevelopmental disabilities
60.0541 = Neuromuscular medicine
60.0542 = Neuropathology
60.0543 = Neuroradiology
60.0544 = Neurotology
60.0545 = Nuclear radiology
60.0546 = Orthopaedic sports medicine
60.0547 = Orthopedic surgery of the spine
60.0548 = Pain medicine
60.0549 = Pediatric cardiology
60.0550 = Pediatric critical care medicine
60.0551 = Pediatric dermatology
60.0552 = Pediatric emergency medicine
60.0553 = Pediatric endocrinology
60.0554 = Pediatric gastroenterology
60.0555 = Pediatric hematology-oncology
60.0556 = Pediatric infectious diseases
60.0557 = Pediatric nephrology
60.0558 = Pediatric orthopedics
60.0559 = Pediatric otolaryngology
60.0560 = Pediatric pathology
60.0561 = Pediatric pulmonology
60.0562 = Pediatric radiology
60.0563 = Pediatric rehabilitation medicine
60.0564 = Pediatric rheumatology

60.0565 = Pediatric surgery
60.0566 = Pediatric transplant hepatology
60.0567 = Pediatric urology
60.0568 = Physical medicine and rehab/psychiatry
60.0569 = Plastic surgery within the head and neck
60.0570 = Psychosomatic medicine
60.0571 = Pulmonary disease
60.0572 = Radioisotopic pathology
60.0573 = Reproductive endocrinology/infertility
60.0574 = Rheumatology
60.0575 = Sleep medicine
60.0576 = Spinal cord injury medicine
60.0577 = Sports medicine
60.0578 = Surgery of the hand
60.0579 = Surgical critical care
60.0580 = Therapeutic radiologic physics
60.0581 = Transplant hepatology
60.0582 = Undersea and hyperbaric medicine
60.0583 = Vascular and interventional radiology
60.0584 = Vascular neurology
60.0599 = Medical residency, other
60.0601 = Podiatric medicine and surgery, 24-month
60.0602 = Podiatric medicine and surgery, 36-month

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CMAJRC01

Postbaccalaureate school 1: B12CMGEN01/B12CMSPE01 recode/upcode flag

NOTE: Respondents entered a text string describing a major, then selected a major using the major coder built into the instrument. In some cases, respondents did not select a major in the coder. Survey contractor staff attempted to code these text strings and when they were able to do so, this flag was set to 1. Some majors that were coded by respondents were randomly selected for a recoding review by expert coders. In the event that the major was recoded to a new value, this flag was set to 1. If the flag was set to 1, the following variables were changed to reflect the new code selected: B12CMGEN01, B12CMSPE01.

0 = Not upcoded/recoded

1 = Yes, upcoded/recoded

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CFENMY01

Postbaccalaureate school 1: date first attended

In what month and year did you first attend [B12CSCH01] for your [B12CDEG01]?

NOTE: B12CFENMY01 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CERN01

Postbaccalaureate school 1: completed degree

Have you completed your program of study and received your [B12CDEG01] from [B12CSCH01]?

0 = Did not complete degree

1 = Yes, completed degree

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Recode note: If [currently enrolled at postbaccalaureate school 1] then B12CERN01 = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CDGMY01

Postbaccalaureate school 1: date degree awarded

In what month and year was your [B12CDEG01] awarded by [B12CSCH01]?

NOTE: B12CDGMY01 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and received the degree or certificate from postbaccalaureate school 1. Where: B12CPSTGRD = 1 and B12CERN01 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CENRTDG01

Postbaccalaureate school 1: received master's en route to doctoral
[If [currently enrolled at postbaccalaureate school 1]]

Have you received a master's degree from [B12CSCH01] while enrolled in your [B12CDEG01] program? Answer "no" if you received a master's degree through a separate program for which the ultimate objective was a master's degree.

[else]

Did you receive a master's degree from [B12CSCH01] while enrolled in your [B12CDEG01] program?

Answer "no" if you received a master's degree through a separate program for which the ultimate objective was a master's degree.

0 = Did not receive master's degree en route

1 = Yes, received master's degree en route

Applies To: Respondents who reported attending postbaccalaureate school 1 for a doctoral degree and did not participate in the abbreviated interview. Where: B12CDEG01 in (-8 7 8 9) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CENRTMY01

Postbaccalaureate school 1: date earned en route master's degree

In what month and year did you receive the master's degree that you earned on the way to your [B12CDEG01]?

NOTE: B12CENRTMY01 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who reported attending postbaccalaureate school 1 for a doctoral degree, received a master's degree while enrolled, and did not participate in the abbreviated interview. Where: B12CDEG01 in (-8 7 8 9) and B12CENRTDG01 = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CLENMY01

Postbaccalaureate school 1: date last attended

In what month and year did you last attend [B12CSCH01] for your [B12CDEG01]?

NOTE: B12CLENMY01 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate, but were not currently attending that school and had not received that degree or certificate. Where: B12CPSTGRD = 1 and ([not currently enrolled at postbaccalaureate school 1] and B12CERN01 ne 1).

Source: B&B:08/12 Full-scale Student Interview

B12CENST01

Postbaccalaureate school 1: enrollment intensity

[If [currently enrolled at postbaccalaureate school 1]]

For the period of time you have been attending [B12CSCH01] for your [B12CDEG01], have you been mainly a full-time or part-time student, or an equal mix of both?

[else]

For the period of time you attended [B12CSCH01] for your [B12CDEG01], were you mainly a full-time or part-time student, or an equal mix of both?

1 = Full-time

2 = Part-time

3 = Equal mix of full-time and part-time

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where: B12CPSTGRD = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CENEMP01

Postbaccalaureate school 1: average hours worked while attending

[If [currently enrolled at postbaccalaureate school 1]]

For the period of time you have been attending [B12CSCH01] for your [B12CDEG01], about how many hours per week have you worked for pay, on average? Please do not include hours worked during periods when you are not attending classes (e.g., summer). If you work at more than one job, please include the number of hours per week at all jobs combined.

[else]

For the period of time you attended [B12CSCH01] for your [B12CDEG01], about how many hours per week did you work for pay, on average? Please do not

Appendix F. Facsimiles

include hours worked during periods when you were not attending classes (e.g., summer). If you worked at more than one job, please include the number of hours per week at all jobs combined.

- 0 = 0 hours per week
- 1 = 1-20 hours per week
- 2 = 21-40 hours per week
- 3 = More than 40 hours per week

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CFED01

Postbaccalaureate school 1: aid type: federal student loans

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Federal student loans.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 Neither 1729 11.9

- 1 = Education expenses only
- 2 = Living expenses only
- 3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPRI01

Postbaccalaureate school 1: aid type: private student loans

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Alternative or private student loans.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

- 0 = Neither
- 1 = Education expenses only
- 2 = Living expenses only
- 3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CGRANT01

Postbaccalaureate school 1: aid type: grants or scholarships

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Grants or scholarships.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CASST01

Postbaccalaureate school 1: aid type: assistantships or fellowships

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Assistantships or fellowships.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CWRKSDY01

Postbaccalaureate school 1: aid type: federal work-study

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Federal Work-Study.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses
Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:
B12CPSTGRD = 1.
 Source: B&B:08/12 Full-scale Student Interview

B12CEMPAID01

Postbaccalaureate school 1: aid type: employer assistance
 Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.
 Employer assistance.
 NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

- 0 = Neither
- 1 = Education expenses only
- 2 = Living expenses only
- 3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:
B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CGIFT01

Postbaccalaureate school 1: aid type: personal loan or gift
 Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.
 Personal loan or gift.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

- 0 = Neither
- 1 = Education expenses only
- 2 = Living expenses only
- 3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:
B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPOCKET01

Postbaccalaureate school 1: aid type: own money
 Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.
 Your own money.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

- 0 = Neither
- 1 = Education expenses only
- 2 = Living expenses only
- 3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:
B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12COTHAID01

Postbaccalaureate school 1: aid type: other
 Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.
 Other.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

- 0 = Neither
- 1 = Education expenses only
- 2 = Living expenses only
- 3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:
B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CAIDE01

Postbaccalaureate school 1: percent of education costs covered by aid
 [If [currently enrolled at postbaccalaureate school 1]] About what percentage of your education and living expenses have you paid using your own money and what percentage has been covered by the aid you just mentioned?
 [else]

About what percentage of your education and living expenses did you pay using your own money and what percentage was covered by the aid you just mentioned?

- 1 = 100% aid and 0% own money
- 2 = 90% aid and 10% own money
- 3 = 80% aid and 20% own money
- 4 = 70% aid and 30% own money
- 5 = 60% aid and 40% own money
- 6 = 50% aid and 50% own money
- 7 = 40% aid and 60% own money
- 8 = 30% aid and 70% own money
- 9 = 20% aid and 80% own money
- 10 = 10% aid and 90% own money
- 11 = 0% aid and 100% own money

Appendix F. Facsimiles

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate, did not indicate they did not use their own money to pay for degree 1, and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and B12CPOCKET01 ne 0 and ABBREV ne 1.

Recode note: If B12CFED01 = 0 and B12CPRIV01 = 0 and B12CGRANT01 = 0 and B12CASST01 = 0 and B12CWRKSDY01 = 0 and B12CEMPAID01 = 0 and B12CGIFT01 = 0 and B12COTHAI01 = 0 and B12CPOCKET01 in (1 2 3) then B12CAIDE01 = 11.

Source: B&B:08/12 Full-scale Student Interview

B12CHRDSHP01

Postbaccalaureate school 1: hardship posed by cost of obtaining degree

Please indicate how much you agree with the following statement. The financial cost of obtaining my [B12CDEG01] at [B12CSCH01] [{if [currently enrolled at postbaccalaureate school 1]} poses {else} posed] a significant hardship for me. Financial costs include tuition, fees, books, and lost income due to not working or working less. Would you say...

- 1 = Strongly disagree
- 2 = Disagree
- 3 = Neither agree nor disagree
- 4 = Agree
- 5 = Strongly agree

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12COTH01

Postbaccalaureate school 1: attended for other degrees/ certificates
Besides the [B12CDEG01] you just told us about, do you plan to attend or have you already attended [B12CSCH01] for any additional degrees or certificates since completing your bachelor's degree requirements in [{if [BA completion date not missing]} [BA completion date] {else} the 2007-08 school year (July 1, 2007 - June 30, 2008)]?

- 0 = Will not attend same school for additional degree
- 1 = Yes, currently attending same school for add'l deg
- 2 = Will attend same school for add'l deg in 2012-13
- 3 = Yes, attended same school for additional degree
- 4 = Plan to attend same school, add'l deg post 2012-13

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CENR01

Postbaccalaureate school 1: attended other schools for degree/ cert

Have you attended any other school besides [B12CSCH01] for a degree or certificate program since completing your bachelor's degree requirements in [{if [BA completion date not missing]} [BA completion date] {else} the 2007-08 school year (July 1, 2007 - June 30, 2008)]?

0 = Did not attend different school for add'l degree

1 = Yes, attended different school for add'l degree

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate, did not attend postbaccalaureate school 1 for an additional degree or certificate, and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and B12COTH01 not in (1 3) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Loops 2 – 7 have not been included in the facsimile.

B12CONLINE

Took any postbaccalaureate degree courses taught primarily online
[If [one postbaccalaureate school and degree] and B12CCREN01 = 1]

As part of your [B12CDEG01] program at [B12CSCH01], have you taken any courses that were taught primarily online?

[else if [one postbaccalaureate school and degree]]

As part of your [B12CDEG01] program at [B12CSCH01], did you take any courses that were taught primarily online?

[else if [more than one postbaccalaureate school and degree] and [BA completion date not missing]]

Since completing your bachelor's degree requirements in [BA completion date], have you taken any courses, in any of your degree programs, that were taught primarily online?

[else]

Since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008), have you taken any courses, in any of your degree programs, that were taught primarily online?

0 = Did not take online courses

1 = Yes, took online courses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and ABBREV ne 1.

Recode note: If B12CONLINE = 1 and B12CONPROG* (all iterations) = 0 then B12CONLINE = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CONPROG01

Postbaccalaureate degree program 1: online courses offered
 Please tell [{if COMPMODE = 1} me {else} us] which programs offered courses that were taught primarily online?

[B12CDEG01] at [B12CSCH01]

- 0 = Did not offer online courses
- 1 = Yes, offered online courses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where: [One or more postbaccalaureate schools and degrees] and ABBREV ne 1.

Recode note: If [one postbaccalaureate school and degree] and B12CONLINE = 1 then

B12CONPROG01 = 1; If [one postbaccalaureate school and degree] and B12CONLINE = 0 then B12CONPROG01 = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CNIWKND

Night/weekend courses required in postbaccalaureate degree program(s)

[If [more than one postbaccalaureate school and degree] and B12CCREN* = 1]

Do any of the courses you have taken in any of your degree programs require you to be on campus at night or on the weekend?

[else if [more than one postbaccalaureate school and degree] and B12CCREN* ne 1]

Did any of the courses you took in any of your degree programs require you to be on campus at night or on the weekend?

[else B12CCREN* = 1]

As part of your [B12CDEG01] program at [B12CSCH01], have any of your courses required you to be on campus at night or on the weekend?

[else]

As part of your [B12CDEG01] program at [B12CSCH01], did any of your courses require you to be on campus at night or on the weekend?

- 0 = Night/weekend courses not required
- 1 = Yes, night/weekend courses required

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where:

B12CPSTGRD = 1 and ABBREV ne 1.

Recode note: If B12CNIWKND = 1 and B12CNWPROG* (all iterations) = 0 then B12CNIWKND = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CNWPROG01

Postbaccalaureate degree program 1: night/weekend courses required

Please tell [{if COMPMODE = 1} me {else} us] which programs required you to be on campus at night or on the weekend.

[B12CDEG01] at [B12CSCH01]

- 0 = Night/weekend courses not required
- 1 = Yes, night/weekend courses required

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and did not participate in the abbreviated interview. Where: [One or more postbaccalaureate schools and degrees] and ABBREV ne 1.

Recode note: If [one postbaccalaureate school and degree] and B12CNIWKND = 1 then

B12CNWPROG01 = 1; If [one postbaccalaureate school and degree] and B12CNIWKND = 0 then B12CNWPROG01 = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CLICENSE

Had industry certification or occupational license

[If (B12CDEG* in (1 4 6) and B12CERN* = 1) in the same iteration]

Earlier you mentioned earning a certificate or diploma. Is it...

[else]

Do you have...

An industry certification or occupational license? (e.g., Registered nurse, Elementary/secondary teacher, CPA (certified public accountant), Personal fitness trainer)

- 0 = Did not have industry certification or occ license

- 1 = Yes, had industry certification or occ license

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CCERT

Had vocational or technical certificate

[If (B12CDEG* in (1 4 6) and B12CERN* = 1) in the same iteration]

Earlier you mentioned earning a certificate or diploma. Is it...

[else]

Do you have...

A vocational or technical certificate or diploma? (e.g., Information technology, Cosmetology, EMT/paramedic, Automotive repair)

- 0 = Did not have voc/technical certificate or diploma

- 1 = Yes, had voc/technical certificate or diploma

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CNDGCWK

Attended for non-degree postbaccalaureate courses

[If [BA completion date not missing]]

Since completing your bachelor's degree requirements in [BA completion date], have you attended a college, university, or trade school for any coursework that is not part of a degree or certificate program? Non-degree coursework may be for transfer credit or for recreation or personal enjoyment.

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[else]

Since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008), have you attended a college, university, or trade school for any coursework that is not part of a degree or certificate program? Non-degree coursework may be for transfer credit or for recreation or personal enjoyment.

- 0 = Did not attend for non-degree coursework
- 1 = Yes, attended for non-degree coursework
- 2 = Will attend for non-degree coursework in 2012-13

Applies To: Respondents who did not participate in the abbreviated interview. *Where:* ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CRSEMP

Non-degree postbaccalaureate courses reason: current employment

Why did you decide to take non-degree coursework?

Needed for current employment

- 0 = Not for current employment
- 1 = Yes, for current employment

Applies To: Respondents who reported attending at least one school for non-degree coursework since completing their bachelor's degree requirements and did not participate in the abbreviated interview. *Where:* B12CNDGCWK = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CRSGOAL

Non-degree postbaccalaureate courses reason: long-term career goal

Why did you decide to take non-degree coursework?

Needed for long-term career goals

- 0 = Not for long-term career goals
- 1 = Yes, for long-term career goals

Applies To: Respondents who reported attending at least one school for non-degree coursework since completing their bachelor's degree requirements and did not participate in the abbreviated interview. *Where:* B12CNDGCWK = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CRSLTED

Non-degree postbaccalaureate courses reason: long-term education goal

Why did you decide to take non-degree coursework?

Needed for long-term educational goals

- 0 = Not for long-term education goals
- 1 = Yes, for long-term education goals

Applies To: Respondents who reported attending at least one school for non-degree coursework since completing their bachelor's degree requirements and did not participate in the abbreviated interview. *Where:* B12CNDGCWK = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CRSPERS

Non-degree postbaccalaureate courses reason: personal enrichment

Why did you decide to take non-degree coursework?

Desired for personal enrichment

- 0 = Not for personal enrichment
- 1 = Yes, for personal enrichment

Applies To: Respondents who reported attending at least one school for non-degree coursework since completing their bachelor's degree requirements and did not participate in the abbreviated interview. *Where:* B12CNDGCWK = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPREREQ

Non-degree postbaccalaureate courses reason: prerequisite requirement

Why did you decide to take non-degree coursework?

Needed for prerequisite requirements

- 0 = Not for prerequisite requirements
- 1 = Yes, for prerequisite requirements

Applies To: Respondents who reported attending at least one school for non-degree coursework since completing their bachelor's degree requirements and did not participate in the abbreviated interview. *Where:* B12CNDGCWK = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CRSOTH

Non-degree postbaccalaureate courses reason: other

Why did you decide to take non-degree coursework?

Other reason not listed

- 0 = Not for other reason
- 1 = Yes, for other reason

Applies To: Respondents who reported attending at least one school for non-degree coursework since completing their bachelor's degree requirements and did not participate in the abbreviated interview. *Where:* B12CNDGCWK = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CALTDIFF

Alternate postbaccalaureate plan: enrolled in a different program

[If [one postbaccalaureate school and degree]]

If you had not enrolled in your [B12CDEG01] program at [B12CSCH01] after completing your bachelor's degree, would you have...

[else]

If you had not enrolled in your most recent degree or certificate program after completing your bachelor's degree, would you have...

- 0 = Would not have enrolled in different program
- 1 = Yes, would have enrolled in different program

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. *Where:* B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CALTWORK

Alternate postbaccalaureate plan: worked for pay or worked more hours

[If [one postbaccalaureate school and degree]]

If you had not enrolled in your [B12CDEG01] program at [B12CSCH01] after completing your bachelor's degree, would you have...

[else]

If you had not enrolled in your most recent degree or certificate program after completing your bachelor's degree, would you have...

0 = Would not have worked for pay or more hours

1 = Yes, would have worked for pay or more hours

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CALTELSE

Alternate postbaccalaureate plan: done something else

[If [one postbaccalaureate school and degree]]

If you had not enrolled in your [B12CDEG01] program at [B12CSCH01] after completing your bachelor's degree, would you have...

[else]

If you had not enrolled in your most recent degree or certificate program after completing your bachelor's degree, would you have...

0 = Would not have done something else

1 = Yes, would have done something else

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CUGLN

Had undergraduate loans

[If [BA completion date not missing]]

Other than money you may have borrowed from family or friends, did you take out any type of student loans to help pay for your undergraduate education? Do not consider any loans you may have taken out after [BA completion date] in your answer.

[else]

Other than money you may have borrowed from family or friends, did you take out any type of student loans to help pay for your undergraduate education? Do not consider any loans you may have taken out after the 2007-08 school year (July 1, 2007 - June 30, 2008) in your answer.

0 = Did not have undergraduate student loans

1 = Yes, had undergraduate student loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CUGLN = 0; if B12CLNFED = 0 and

B12CLNPRI = 0 and B12CLNELSE = 0 then

B12CUGLN = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CLNFED

Type of undergraduate loan: federal

What type of loans did you take out to help pay for your undergraduate education?

Federal student loans (e.g., Stafford, Perkins)

0 = Did not have undergraduate federal loans

1 = Yes, had undergraduate federal loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CLNFED = 0; if B12CUGLN = 0 then B12CLNFED = 0; if B12CNOFED = 1 then B12CLNFED = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CLNPRI

Type of undergraduate loan: private

What type of loans did you take out to help pay for your undergraduate education?

Alternative or private student loans

0 = Did not have undergraduate private loans

1 = Yes, had undergraduate private loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CLNPRI = 0; if B12CUGLN = 0 then B12CLNPRI = 0; if B12CPRVNO = 1 then B12CLNPRI = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CLNELSE

Type of undergraduate loan: other

What type of loans did you take out to help pay for your undergraduate education?

Other types of loans

0 = Did not have other type of undergraduate loans

1 = Yes, had other type of undergraduate loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CLNELSE = 0; if B12CUGLN = 0 then B12CLNELSE = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CELNSTAT

Federal student loan status

What is the status of your federal student loans? Are you in repayment or in deferment? (Please answer based on any federal student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

1 = Repaying the original payment amount

2 = Repaying a different payment amount

3 = Repaying through collections after a loan default

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5 = Temporarily deferring payment

7 = Other

8 = Already paid off

Applies To: Respondents who did not indicate they did not receive federal loans and did not indicate they did not receive undergraduate loans or received graduate federal loans. Where: [No indication of not receiving federal loans] and

B12CNOFED ne 1 and (B12CUGLN ne 0 or
(B12CFED01 > 0 or B12CFED02 > 0 or B12CFED03 > 0 or B12CFED04 > 0 or B12CFED05 > 0 or B12CFED06 > 0 or B12CFED07 > 0))).

Source: B&B:08/12 Full-scale Student Interview

B12CNOFED

No federal student loans

What is the status of your federal student loans? Are you in repayment or in deferment? (Please answer based on any federal student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

Did not have any federal student loans

0 = Yes, had federal student loans

1 = Did not have federal student loans

Applies To: Respondents who did not indicate they did not receive federal loans and did not indicate they did not receive undergraduate loans or received graduate federal loans. Where: [No indication of not receiving federal loans] and (B12CUGLN ne 0 or (B12CFED01 > 0 or B12CFED02 > 0 or B12CFED03 > 0 or B12CFED04 > 0 or B12CFED05 > 0 or B12CFED06 > 0 or B12CFED07 > 0)).

B12CELMOS

Monthly federal student loan payment

How much do you typically pay each month on your federal student loans? (Please provide the amount you pay each month, even if it is different from your minimum monthly payment.) (Please answer based on any federal student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree. If the amount changes, please report the most recent amount.)

Applies To: Respondents who were actively repaying federal student loans and did not participate in the abbreviated interview. Where: B12CELNSTAT in (-8 1 2 3) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CELMEST

Estimated monthly federal student loan payment

Please indicate the range that best represents the total current monthly payment for your federal student loans. Would you say it was...

0 = \$0.00

1 = \$0.01 - \$49.99

2 = \$50.00 - \$99.99

3 = \$100.00 - \$149.99

4 = \$150.00 - \$199.99

5 = \$200.00 - \$249.99

6 = \$250.00 - \$499.99

7 = \$500.00 - \$749.99

8 = \$750.00 - \$999.99

9 = \$1000.00 or more

Applies To: Respondents who did not provide their monthly federal loan payment amount and did not participate in the abbreviated interview, or respondents who were actively repaying federal student loans and participated in the abbreviated interview. Where: (B12CELMOS = -9 and ABBREV ne 1) or (B12CELNSTAT in (1 2 3) and ABBREV = 1).

Source: B&B:08/12 Full-scale Student Interview

B12CPRIAMT

Total amount borrowed in private student loans

How much have you borrowed in alternative or private loans for your education? (Please answer based on any alternative or private student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

Applies To: Respondents who did not indicate they did not receive private loans and did not participate in the abbreviated interview.

Where: [No indication of not receiving private loans] and B12CPRIVNO ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVNO

No private student loans

How much have you borrowed in alternative or private loans for your education? (Please answer based on any alternative or private student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

Did not have any alternative or private student loans

0 = Yes, had private student loans

1 = Did not have private student loans

Applies To: Respondents who did not indicate they did not receive private loans and did not participate in the abbreviated interview. Where: [No indication of not receiving private loans] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVEST

Estimated amount of private student loans

Please indicate the range for how much you borrowed in alternative or private loans. Would you say it was...

0 = \$0 91

1= \$1 - \$9,999 99

2 = \$10,000 - \$19,999

3 = \$20,000 - \$29,999

4 = \$30,000 - \$39,999

5 = \$40,000 - \$49,999

6 = \$50,000 - \$59,999

7 = \$60,000 - \$69,999

8 = \$70,000 - \$79,999

9 = \$80,000 - \$89,999

10 = \$90,000 - \$99,999

11 = \$100,000 or more

Applies To: Respondents who did not indicate they did not receive private loans, did not provide the total amount of private student loans borrowed for their education and did not participate in the abbreviated interview, or respondents who did not indicate that they did not receive private loans and participated in the abbreviated interview. *Where:* ([No indication of not receiving private loans] and B12CPRIVAMT = -9 and ABBREV ne 1) or ([no indication of not receiving private loans] and B12CPRIVNO2 ne 1 and ABBREV = 1).

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVNO2

No private student loans

Please indicate the range for how much you borrowed in alternative or private loans. Would you say it was...
Did not have any alternative or private student loans

0 = Yes, had private student loans

1 = Did not have private student loans

Applies To: Respondents who did not previously indicate that they did not receive private loans and did not participate in the abbreviated interview. *Where:* ([No indication of not receiving private loans] and ABBREV = 1).

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVOWE

Paid off private student loans

Have your alternative or private loans for your education been completely paid off? (Please answer based on any alternative or private student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

0 = Private loans not paid off

1 = Yes, private loans paid off

Applies To: Respondents who did not indicate they did not receive private loans, the total amount and total estimated amount of private loans borrowed was not equal to 0, and did not participate in the abbreviated interview. *Where:* ([No indication of not receiving private loans] and B12CPRIVNO ne 1 and B12CPRIVAMT ne 0 and B12CPRIVEST ne 0 and ABBREV ne 1).

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVSTAT

Private student loan status

What is the status of your alternative or private loans? Are you in repayment? (Please answer based on any alternative or private student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

1 = Repaying the original payment amount

2 = Repaying a different payment amount

3 = Repaying through collections after a loan default

4 = Some have been paid but still repaying others

5 = Temporarily deferring payment

6 = Other

7 = Already paid off

Applies To: Respondents who did not indicate they did not receive private loans, the total amount and total estimated amount of private loans borrowed was not equal to 0, their private loans had not been paid off and did not participate in the abbreviated interview, or respondents who did not indicate they did not receive private loans, the total estimated amount of private loans borrowed was not equal to 0 and participated in the abbreviated interview. *Where:* ([No indication of not receiving private loans] and B12CPRIVNO ne 1 and B12CPRIVAMT ne 0 and B12CPRIVEST ne 0 and B12CPRIVOWE ne 1 and ABBREV ne 1) or ([no indication of not receiving private loans] and B12CPRIVNO2 ne 1 and B12CPRIVEST ne 0 and ABBREV = 1).

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVRT

Private student loan interest rate

What is the current interest rate on your alternative or private loans? (If you have more than one private loan, enter the highest rate.) (Please answer based on any alternative or private student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

Applies To: Respondents who were actively repaying private student loans and did not participate in the abbreviated interview.

Where: B12CPRIVSTAT in (1 2 3 4) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVREST

Estimated private student loan interest rate

Please indicate the range that best represents the current interest rate for your alternative or private loans. Would you say it was...

1 = Less than 6.00%

2 = 6.00% - 8.99%

3 = 9.00% - 11.99%

4 = 12.00% - 14.99%

5 = 15.00% - 17.99%

6 = 18.00% - 20.99%

7 = 21.00% - 24.99%

8 = 25.00% - 29.99%

9 = 30.00% - 34.99%

10 = 35.00% or higher

Applies To: Respondents who did not provide the current interest rate of their private loans and did not participate in the abbreviated interview. *Where:* B12CPRIVRT = -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVPMT

Monthly private student loan payment

How much do you typically pay each month on your alternative or private loans? (Please provide the amount you pay each month, even if it is different from your minimum monthly payment.) (Please answer based on

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any alternative or private student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree. If the amount changes, please report the most recent amount.)

Applies To: Respondents who were actively repaying private student loans and did not participate in the abbreviated interview.
Where: B12CPRIVSTAT in (1 2 3 4) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12CPRIVPEST

Estimated monthly private student loan payment

Please indicate the range that best represents the total current monthly payment for your alternative or private loans. Would you say it was...

- 0 = \$0.00
- 1 = \$0.01 - \$49.99
- 2 = \$50.00 - \$99.99
- 3 = \$100.00 - \$149.99
- 4 = \$150.00 - \$199.99
- 5 = \$200.00 - \$249.99
- 6 = \$250.00 - \$499.99
- 7 = \$500.00 - \$749.99
- 8 = \$750.00 - \$999.99
- 9 = \$1000.00 or more

Applies To: Respondents who did not provide their monthly private loan payment amount and did not participate in the abbreviated interview, or respondents who were actively repaying private student loans and participated in the abbreviated interview. *Where:* (B12CPRIVPMT = -9 and ABBREV ne 1) or (B12CPRIVSTAT in (1 2 3 4) and ABBREV = 1).
Source: B&B:08/12 Full-scale Student Interview

B12CELNHLP

Loans being paid by family or friends

Are any of your student loan payments being paid in whole or part by family or friends? [{if B12AMARR = 2} In your answer, please do not include any help that you received from your spouse. {else if B12AFINWHO = 1} In your answer, please do not include any help that you received from your partner.]

- 0 = No loans payments paid by family/friends
- 1 = Yes, all loan payments paid by family/friends
- 2 = Yes, part of loan payments paid by family/friends

Applies To: Respondents who did not indicate they did not receive federal loans and federal loans were not in deferment, not paid off, or were another status not including repayment or who did not indicate they did not receive private loans and private loans were not paid off, not in deferment, or were another status not including repayment and did not participate in the abbreviated interview. *Where:* ([No indication of not receiving federal loans] and B12CELNSTAT not in (5 8 7) and B12CNOFED ne 1) or ([no indication of not receiving private loans] and B12CPRIVSTAT not in (5 6 7) and B12CPRIVNO ne 1 and B12CPRIVOWE ne 1)) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12CEOUTLN

Stress from education-related debt

Please indicate your level of stress regarding your education-related debt. Would you say your level of stress is...

- 1 = Very low
- 2 = Low
- 3 = Moderate
- 4 = High
- 5 = Very high

Applies To: Respondents who did not indicate they did not receive federal loans and federal loans were not in deferment, not paid off, or were another status not including repayment or who did not indicate they did not receive private loans and private loans were not paid off, not in deferment, or were another status not including repayment and did not participate in the abbreviated interview. *Where:* ([No indication of not receiving federal loans] and B12CELNSTAT not in (5 8 7) and B12CNOFED ne 1) or ([no indication of not receiving private loans] and B12CPRIVSTAT not in (5 6 7) and B12CPRIVNO ne 1 and B12CPRIVOWE ne 1)) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12CEFUT

Likelihood of enrolling in another undergraduate or graduate program

How likely do you think it is that you will enroll in another program, degree, or certificate at either the undergraduate or graduate level? Would you say...

- 1 = Not at all likely
- 2 = Somewhat likely
- 3 = Likely
- 4 = Very likely

Applies To: Respondents who did not report attending a postbaccalaureate school and did not indicate future postbaccalaureate attendance in 2012-13 school year and did not participate in the abbreviated interview. *Where:* B12CPSTGRD not in (1 2) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12CAPP

Applied to grad school or college since bachelor's degree
[If [BA completion date not missing]]

Have you applied for admission to any college or graduate school programs since completing your bachelor's degree requirements in [BA completion date]?
[else]

Have you applied for admission to any college or graduate school programs since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008)?

- 0 = Did not apply for admission
- 1 = Yes, applied for admission

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to

enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CNOATTREJ

*Reason did not attend additional education: not accepted
Why did you apply for additional education but not attend?*

Was not accepted

0 = Not because not accepted

1 = Yes, because not accepted

*Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year but did apply for a program since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where:
B12CPSTGRD not in (1 2) and B12CAPP = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12CNOATTAPP

*Reason did not attend additional education: awaiting decision
Why did you apply for additional education but not attend?*

Applied, but have not yet received decision

0 = Not because awaiting decision

1 = Yes, because awaiting decision

*Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year but did apply for a program since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where:
B12CPSTGRD not in (1 2) and B12CAPP = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12CNOATTFIN

*Reason did not attend additional education: financial reasons
Why did you apply for additional education but not attend?*

Financial reasons (e.g., too expensive, did not receive enough financial aid)

0 = Not because of financial reasons

1 = Yes, because of financial reasons

*Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year but did apply for a program since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where:
B12CPSTGRD not in (1 2) and B12CAPP = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12CNOATTPER

*Reason did not attend additional education: personal reasons
Why did you apply for additional education but not attend?*

Personal reasons

0 = Not because of personal reasons

1 = Yes, because of personal reasons

*Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year but did apply for a program since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where:
B12CPSTGRD not in (1 2) and B12CAPP = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12CNOATTFIT

*Reason did not attend additional education: not right fit
Why did you apply for additional education but not attend?*

It wasn't the right fit (e.g., school, program, environment, location)

0 = Not because not right fit

1 = Yes, because not right fit

*Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year but did apply for a program since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where:
B12CPSTGRD not in (1 2) and B12CAPP = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12CNOATTOTH

*Reason did not attend additional education: other
Why did you apply for additional education but not attend?*

Other

0 = No other reason

1 = Yes, other reason

*Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year but did apply for a program since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where:
B12CPSTGRD not in (1 2) and B12CAPP = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12CGRE

*Taken graduate or professional entrance exam: GRE
What graduate or professional entrance exam(s) have you taken since completing your bachelor's degree from [NPSAS]?*

GRE

0 = Did not take GRE

1 = Yes, took GRE

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the

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abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CMCAT

Taken graduate or professional entrance exam: MCAT

What graduate or professional entrance exam(s) have you taken since completing your bachelor's degree from [NPSAS]?

MCAT

0 = Did not take MCAT

1 = Yes, took MCAT

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CLSAT

Taken graduate or professional entrance exam: LSAT

What graduate or professional entrance exam(s) have you taken since completing your bachelor's degree from [NPSAS]?

LSAT

0 = Did not take LSAT

1 = Yes, took LSAT

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CGMAT

Taken graduate or professional entrance exam: GMAT

What graduate or professional entrance exam(s) have you taken since completing your bachelor's degree from [NPSAS]?

GMAT

0 = Did not take GMAT

1 = Yes, took GMAT

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CEXMOTH

Taken graduate or professional entrance exam: other

What graduate or professional entrance exam(s) have you taken since completing your bachelor's degree from [NPSAS]?

[If COMPMODE = 0]

Other exam(s)

[else]

Any other exams

0 = Did not take other exams

1 = Yes, took other exams

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CEXMNON

Taken graduate or professional entrance exam: none

What graduate or professional entrance exam(s) have you taken since completing your bachelor's degree from [NPSAS]?

None

0 = Took graduate exams

1 = Did not take graduate exams

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CINT

Importance in choosing field of study: level of interest

There may be several factors that influence how people choose a field of graduate-level study. Please indicate how important each of the following is to you in choosing your field. Would you say not at all important, somewhat important, important, or very important?

Your level of interest in the field

1 = Not at all important

2 = Somewhat important

3 = Important

4 = Very important

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CAPT

Importance in choosing field of study: aptitude

There may be several factors that influence how people choose a field of graduate-level study. Please indicate how important each of the following is to you in choosing your field. Would you say not at all important, somewhat important, important, or very important?

Your aptitude in the field

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CJOB

Importance in choosing field of study: likelihood of a job

There may be several factors that influence how people choose a field of graduate-level study. Please indicate how important each of the following is to you in choosing your field. Would you say not at all important, somewhat important, important, or very important?

Likelihood of finding a job in the field

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CEARN

Importance in choosing field of study: earnings potential

There may be several factors that influence how people choose a field of graduate-level study. Please indicate how important each of the following is to you in choosing your field. Would you say not at all important, somewhat important, important, or very important?

Earnings potential

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CSOC

Importance in choosing field of study: contribution to society

There may be several factors that influence how people choose a field of graduate-level study. Please indicate how important each of the following is to you in choosing your field. Would you say not at all important, somewhat important, important, or very important? Ability to contribute to society via the field (e.g., cure or prevent disease, improve education)

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12CCARFAM

Importance in choosing field of study: ability to balance work/family

There may be several factors that influence how people choose a field of graduate-level study. Please indicate how important each of the following is to you in choosing your field. Would you say not at all important, somewhat important, important, or very important? Ability to balance work and family

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who did not report attending a postbaccalaureate school, did not indicate postbaccalaureate enrollment in 2012-13 school year, reported they were likely to enroll in a program in the future, and did not participate in the abbreviated interview. Where: B12CPSTGRD not in (1 2) and B12CEFUT > 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Section 4: Postbaccalaureate Employment

B12DANYJOBS

Worked for pay since earning your bachelor's degree

[If [BA completion date not missing]]

Have you been employed at any time since [BA completion date]?
[else]

Have you been employed at any time since...

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTxx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Had not worked for pay

1 = Yes, had worked for pay

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPSLF01

Employer grid 1: self-employed

[If [BA completion date not missing]]

Please tell [if {COMPMODE = 1} me {else} us] about the first employer you had after completing your bachelor's degree in [BA completion date]. If you started a job before graduation, but continued after graduation, [if {COMPMODE = 1} I {else} we] would like to know about that job first.
[else]

Please tell [if {COMPMODE = 1} me {else} us] about the first employer you had after completing your bachelor's degree in the 2007-08 school year (July 1, 2007 - June 30, 2008). If you started a job before graduation, but continued after graduation, [if {COMPMODE = 1} I {else} we] would like to know about that job first.

Check here if you are/were self-employed

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTxx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Not self-employed

1 = Yes, self-employed

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK07JL01

Employer grid 1: employed July 2007

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?
[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?
July 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTxx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2007

1 = Yes, worked in July 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to August 2007. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to August 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07AG01*Employer grid 1: employed August 2007*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2007

1 = Yes, worked in August 2007

*Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to September 2007. Where:**B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to September 2007].*

Source: B&B:08/12 Full-scale Student Interview

B12DWK07SP01*Employer grid 1: employed September 2007*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx,

B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2007

1 = Yes, worked in September 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to October 2007. Where: B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to October 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07OC01*Employer grid 1: employed October 2007*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2007

1 = Yes, worked in October 2007

*Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to November 2007. Where:**B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to November 2007].*

Source: B&B:08/12 Full-scale Student Interview

B12DWK07NV01*Employer grid 1: employed November 2007*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

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Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's

degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2007

1 = Yes, worked in November 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to December 2007. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to December 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07DC01

Employer grid 1: employed December 2007

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2007

1 = Yes, worked in December 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to January 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to January 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08JA01

Employer grid 1: employed January 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to February 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to February 2008].

0 = Did not work in January 2008

1 = Yes, worked in January 2008

Source: B&B:08/12 Full-scale Student Interview

B12DWK08FB01

Employer grid 1: employed February 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2008

1 = Yes, worked in February 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to April 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to April 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08MR01

Employer grid 1: employed March 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2008

1 = Yes, worked in March 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to April 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to April 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08AP01

Employer grid 1: employed April 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2008

1 = Yes, worked in April 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to May 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to May 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08MY01

Employer grid 1: employed May 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

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that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2008

1 = Yes, worked in May 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to June 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to June 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08JN01

Employer grid 1: employed June 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2008

1 = Yes, worked in June 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08JL01

Employer grid 1: employed July 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2008

1 = Yes, worked in July 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08AG01

Employer grid 1: employed August 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2008

1 = Yes, worked in August 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08SP01

Employer grid 1: employed September 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2008

1 = Yes, worked in September 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08OC01

Employer grid 1: employed October 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration) B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2008

1 = Yes, worked in October 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08NV01

Employer grid 1: employed November 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2008

1 = Yes, worked in November 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08DC01

Employer grid 1: employed December 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2008

1 = Yes, worked in December 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09JA01

Employer grid 1: employed January 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx

B12DEMPTIMxx, B12DEMPTM2xx,

B12DEMPHRSxx, B12DEMPHR2xx,

B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2009

1 = Yes, worked in January 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09FB01

Employer grid 1: employed February 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2009

1 = Yes, worked in February 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09MR01

Employer grid 1: employed March 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2009

1 = Yes, worked in March 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09AP01

Employer grid 1: employed April 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2009

1 = Yes, worked in April 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09MY01

Employer grid 1: employed May 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2009

1 = Yes, worked in May 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09JN01

Employer grid 1: employed June 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2009

1 = Yes, worked in June 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 $B12DANYJOBS = 1$.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09JL01

Employer grid 1: employed July 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2009

1 = Yes, worked in July 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 $B12DANYJOBS = 1$.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09SP01

Employer grid 1: employed September 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2009

1 = Yes, worked in August 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 $B12DANYJOBS = 1$.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09AG01

Employer grid 1: employed August 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2009

1 = Yes, worked in September 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 $B12DANYJOBS = 1$.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09OC01*Employer grid 1: employed October 2009**[If [BA completion date not missing]]*

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2009

1 = Yes, worked in October 2009

*Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:**B12DANYJOBS = 1.*

Source: B&B:08/12 Full-scale Student Interview

B12DWK09NV01*Employer grid 1: employed November 2009**[If [BA completion date not missing]]*

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx

B12DEMPTIMxx, B12DEMPTM2xx,

B12DEMPHRSxx, B12DEMPHR2xx,

B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2009

1 = Yes, worked in November 2009

*Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:**B12DANYJOBS = 1.*

Source: B&B:08/12 Full-scale Student Interview

B12DWK09DC01*Employer grid 1: employed December 2009**[If [BA completion date not missing]]*

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2009

1 = Yes, worked in December 2009

*Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:**B12DANYJOBS = 1.*

Source: B&B:08/12 Full-scale Student Interview

B12DWK10JA01*Employer grid 1: employed January 2010**[If [BA completion date not missing]]*

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

Appendix F. Facsimiles

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2010

1 = Yes, worked in January 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10FB01

Employer grid 1: employed February 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2010

1 = Yes, worked in February 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10MR01

Employer grid 1: employed March 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2010

1 = Yes, worked in March 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10AP01

Employer grid 1: employed April 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2010

1 = Yes, worked in April 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10MY01

Employer grid 1: employed May 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2010

1 = Yes, worked in May 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10JL01

Employer grid 1: employed July 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2010

1 = Yes, worked in June 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10JL01

Employer grid 1: employed July 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2010

1 = Yes, worked in July 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10AG01

Employer grid 1: employed August 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2010

1 = Yes, worked in August 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10SP01

Employer grid 1: employed September 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx

B12DEMPTIMxx, B12DEMPTM2xx,

B12DEMPHRSxx, B12DEMPHR2xx,

B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2010

1 = Yes, worked in September 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10OC01

Employer grid 1: employed October 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2010

1 = Yes, worked in October 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10NV01

Employer grid 1: employed November 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2010

1 = Yes, worked in November 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10DC01

Employer grid 1: employed December 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month),
B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2010

1 = Yes, worked in December 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11JA01

Employer grid 1: employed January 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2011

1 = Yes, worked in January 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11FB01

Employer grid 1: employed February 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2011

1 = Yes, worked in February 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11MR01

Employer grid 1: employed March 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2011

1 = Yes, worked in March 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11AP01

Employer grid 1: employed April 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2011

1 = Yes, worked in April 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11MY01

Employer grid 1: employed May 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2011

1 = Yes, worked in May 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11JN01*Employer grid 1: employed June 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month),
 B12DEMPMSMYxx, B12DWKPRIxx,
 B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
 B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2011

1 = Yes, worked in June 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11JL01*Employer grid 1: employed July 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx,
 B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,

B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTx, B12DEMPAT2xx

B12DEMPTIMxx, B12DEMPTM2xx,

B12DEMPHRSxx, B12DEMPHR2xx,

B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2011

1 = Yes, worked in July 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11AG01*Employer grid 1: employed August 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx,
 B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
 B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2011

1 = Yes, worked in August 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11SP01*Employer grid 1: employed September 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2011

1 = Yes, worked in September 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11OC01

Employer grid 1: employed October 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2011

1 = Yes, worked in October 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11NV01

Employer grid 1: employed November 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2011

1 = Yes, worked in November 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11DC01

Employer grid 1: employed December 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2011

1 = Yes, worked in December 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12JA01

Employer grid 1: employed January 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2012

1 = Yes, worked in January 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12FB01

Employer grid 1: employed February 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2012

1 = Yes, worked in February 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12MR01

Employer grid 1: employed March 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2012

1 = Yes, worked in March 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12AP01

Employer grid 1: employed April 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2012

1 = Yes, worked in April 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12MY01

Employer grid 1: employed May 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2012

1 = Yes, worked in May 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12JN01

Employer grid 1: employed June 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2012

1 = Yes, worked in June 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12JL01

Employer grid 1: employed July 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2012

1 = Yes, worked in July 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12AG01

Employer grid 1: employed August 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2012

1 = Yes, worked in August 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12SP01

Employer grid 1: employed September 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2012

1 = Yes, worked in September 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after August 2012. Where: B12DANYJOBS = 1 and [saw item after August 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK12OC01

Employer grid 1: employed October 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,

Appendix F. Facsimiles

B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2012

1 = Yes, worked in October 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after September 2012. Where: B12DANYJOBS = 1 and [saw item after September 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK12NV01

Employer grid 1: employed November 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2012

1 = Yes, worked in November 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after October 2012. Where: B12DANYJOBS = 1 and [saw item after October 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK12DC01

Employer grid 1: employed December 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2012

1 = Yes, worked in December 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after November 2012. Where: B12DANYJOBS = 1 and [saw item after November 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13JA01

Employer grid 1: employed January 2013

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2013

1 = Yes, worked in January 2013

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item

after December 2012. Where: B12DANYJOBS = 1 and [saw item after December 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13FB01

Employer grid 1: employed February 2013

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2013

1 = Yes

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after January 2013. Where: B12DANYJOBS = 1 and [saw item after January 2013].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13MR01

Employer grid 1: employed March 2013

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are:

(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2013

1 = Yes, worked in March 2013

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after February 2013. Where: B12DANYJOBS = 1 and [saw item after February 2013].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13AP01

Employer grid 1: employed April 2013

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2013

1 = Yes, employed in April 2013

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after March 2013. Where: B12DANYJOBS = 1 and [saw item after March 2013].

Source: B&B:08/12 Full-scale Student Interview

B12DWKPRI01

Employer grid 1: worked in this job prior to receiving bachelor's degree

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

Began working for [B12DEMPNAM01] prior to completing bachelor's degree requirements.

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work prior to 2007–08 school year

1 = Yes, worked prior to 2007–08 school year

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPSMY01

Employer grid 1: start date

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

Start date. B12DEMPSMY01 is provided in the YYYYMM format.

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPCUR01

Employer grid 1: currently employed

Are you currently employed by [employer 1]?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration) B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Not currently employed with employer 1

1 = Yes, currently employed with employer 1

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Recode note: If [not employed with employer 1 during month received item] then B12DEMPCUR01 = 0.

Source: B&B:08/12 Full-scale Student Interview

B12DBKTMP01

Employer grid 1: employment break: seasonal or temporary

Based on the dates you provided, it appears that there was a break in your employment with [employer 1] (i.e., it was not one continuous period). Why were you not employed during the time you indicated?

Employment was seasonal or temporary

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Break in employment was not seasonal or
temporary

1 = Yes, break in employment was seasonal or
temporary

Applies To: Respondents who had paid employment since
completing their bachelor's degree requirements and had a break
in their employment with employer 1. Where:

B12DANYJOBS = 1 and [break in employment with
employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DBKRES01

Employer grid 1: employment break: resigned

Based on the dates you provided, it appears that there
was a break in your employment with [employer 1] (i.e.,
it was not one continuous period). Why were you not
employed during the time you indicated?

Resigned or left [B12DEMPNAM01]

NOTE: This variable was one of a series of items
presented to respondents in a loop in the B&B:12 Full-
scale interview. For each employer, beginning with the
first employer respondents reported working for after
receiving their bachelor's degrees (including jobs
continued since before the bachelor's degree),
respondents were asked to report basic information for
that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Break in employment was not due to
resignation

1 = Yes, break in employment was due to
resignation

Applies To: Respondents who had paid employment since
completing their bachelor's degree requirements and had a break
in their employment with employer 1. Where: B12DANYJOBS
= 1 and [break in employment with employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DBKLEV01

*Employer grid 1: employment break: medical, personal, family
leave*

Based on the dates you provided, it appears that there
was a break in your employment with [employer 1] (i.e.,
it was not one continuous period). Why were you not
employed during the time you indicated?

Took a medical, personal, or family leave

NOTE: This variable was one of a series of items
presented to respondents in a loop in the B&B:12 Full-
scale interview. For each employer, beginning with the
first employer respondents reported working for after
receiving their bachelor's degrees (including jobs
continued since before the bachelor's degree),
respondents were asked to report basic information for
that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Break in employment not due to
med/personal leave

1 = Yes, break in employment due to
med/personal leave

Applies To: Respondents who had paid employment since
completing their bachelor's degree requirements and had a break
in their employment with employer 1. Where:

B12DANYJOBS = 1 and [break in employment with
employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DBKOTH01

Employer grid 1: employment break: other reason

Based on the dates you provided, it appears that there
was a break in your employment with [employer 1] (i.e.,
it was not one continuous period). Why were you not
employed during the time you indicated?

[If COMPMODE = 0] Other reason(s) [else] Any
other reasons?

NOTE: This variable was one of a series of items
presented to respondents in a loop in the B&B:12 Full-
scale interview. For each employer, beginning with the
first employer respondents reported working for after
receiving their bachelor's degrees (including jobs
continued since before the bachelor's degree),
respondents were asked to report basic information for
that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx

Appendix F. Facsimiles

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

- 0 = Break in employment not due to other reasons
- 1 = Yes, break in employment due to other reasons

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and had a break in their employment with employer 1. Where: B12DANYJOBS = 1 and [break in employment with employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DEMPHRS01

Employer grid 1: starting job hours per week

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

On average, how many hours per week did you work in your starting job?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPAMT01

Employer grid 1: starting job salary amount

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

What was your starting salary including bonuses, tips, and commissions?

NOTE: This question was asked in two parts: respondents were asked to provide a salary dollar amount (B12DEMPAMT01) and then indicate the time frame for that salary (B12DEMPTIM01). Therefore, this variable includes salary amounts reported in hourly, weekly, monthly, and yearly amounts. These data must be combined with the accompanying time frame data for this job in order to be analyzed. This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTIM01

Employer grid 1: starting job salary timeframe

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx= loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,

B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFTxx, and B12DEMPFT2xx.

- 1 = Per hour
- 2 = Per week
- 3 = Per month
- 4 = Per year

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPFPT01

Employer grid 1: starting job status

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

Did you consider your starting job full-time or part-time?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFTxx, and B12DEMPFT2xx.

- 1 = Full-time
- 2 = Part-time

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Recode note: If B12DEMPHRS01 < 30 then B12DEMPFT01 = 2; If B12DEMPHRS01 > 39 then B12DEMPFT01 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPHR201

Employer grid 1: most recent hours

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if

COMPMODE = 1} (Please collect all starting job information first, followed by [{if

B12DEMPCUR01 = 1} current {else} ending] job information.)]

On average, how many hours per week do/did you work in your current/ending job?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPAT201

Employer grid 1: most recent salary amount

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

What is/was your current/ending salary? Amount

NOTE: This question was asked in two parts: respondents were asked to provide a salary dollar amount (B12DEMPAT201) and then indicate the time frame for that salary (B12DEMPTM201). Therefore, this variable includes salary amounts reported in hourly, weekly, monthly, and yearly amounts.

These data must be combined with the accompanying time frame data for this job in order to be analyzed. This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

Appendix F. Facsimiles

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTM201

Employer grid 1: most recent salary timeframe

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1}] (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1}] current {else} ending] job information.)]

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

1 = Per hour

2 = Per week

3 = Per month

4 = Per year

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPFT201

Employer grid 1: most recent status

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1}] (Please collect all starting job information first, followed by [{if

B12DEMPCUR01 = 1} current {else} ending] job information.)]

Do/did you consider your current/ending job full-time or part-time?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

1 = Full-time

2 = Part-time

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Recode note: If B12DEMPHR201 < 30 then B12DEMPFT201 = 2; If B12DEMPHR201 > 39 then B12DEMPFT201 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DOTHJOB01

Employer grid 1: any other jobs since bachelor's degree

[If [BA completion date not missing]]

Aside from the employer(s) you already told [{if COMPMODE = 1} me {else} us] about, have you worked for any other employers since completing your bachelor's degree requirements in [BA completion date]? (We are interested in full-time and part-time employment, self-employment, graduate assistantships, and paid internships.)

[else]

Aside from the employer(s) you already told [{if COMPMODE = 1} me {else} us] about, have you worked for any other employers since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (We are interested in full-time and part-time employment, self-employment, graduate assistantships, and paid internships.)

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx, B12DEMPAMTxx, B12DEMPAT2xx, B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = No other job since earning bachelor's degree

1 = Yes, other job since earning bachelor's degree

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

Loops 2 – 12 have not been included in the facsimile.

SAWJOBLOOP01

Job 1: saw job loop

This variable indicates whether the respondent received the first job loop in the B&B:08/12 interview.

Questions in this loop relate to the most recent job at employer 1.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not see job loop 1

1 = Yes, saw job loop 1

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12DJBTL01

Job 1: occupation coder job title

Job title: [job title at employer 1]

First, [if {COMPMODE = 1} I'd {else} we'd] like to classify your job. To do this, [if {COMPMODE = 1} I {else} we] need your job title and your primary job duties so [if {COMPMODE = 1} I {else} you] can select the closest match from the options returned from our database based on your information.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DJBDY01

Job 1: occupation coder job duties

Job title: [job title at employer 1]

First, [if {COMPMODE = 1} I'd {else} we'd] like to classify your job. To do this, [if {COMPMODE = 1} I {else} we] need your job title and your primary job duties so [if {COMPMODE = 1} I {else} you] can select the closest match from the options returned from our database based on your information.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DOCC201

Job 1: occupation coder 2-digit code

Job title: [job title at employer 1]

First, [if {COMPMODE = 1} I'd {else} we'd] like to classify your job. To do this, [if {COMPMODE = 1} I {else} we] need your job title and your primary job duties so [if {COMPMODE = 1} I {else} you] can select the closest match from the options returned from our database based on your information.

NOTE: 2010 Occupational Information Network (O*NET) occupation codes were used to code these data. See <http://www.onetcenter.org/> for more information on O*NET. When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

11 = Management occupations

13 = Business/financial operation occupations

15 = Computer and mathematical occupations

17 = Architecture and engineering occupations

19 = Life, physical, soc science occupations

21 = Community/social services occupations

23 = Legal occupations

25 = Education, training, library occupations

27 = Arts,design,entertnmnt,sports,media

29 = Healthcare practitioners/technical

31 = Healthcare support occupations

33 = Protective service occupations

35 = Food prep/serving related occupations

37 = Building/grounds cleaning/maintenance

39 = Personal care and service occupations

41 = Sales and related occupations

43 = Office/administrative support occupation

45 = Farming, fishing, forestry occupations

47 = Construction and extraction occupations

49 = Installation, maintenance, repair

51 = Production occupations

53 = Transportation/material moving

55 = Military specific occupations

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DOCC301

Job 1: occupation coder 3-digit code

Job title: [job title at employer 1]

First, [if {COMPMODE = 1} I'd {else} we'd] like to classify your job. To do this, [if {COMPMODE = 1} I {else} we] need your job title and your primary job duties so [if {COMPMODE = 1} I {else} you] can select the closest match from the options returned from our database based on your information.

NOTE: 2010 Occupational Information Network (O*NET) occupation codes were used to code these data. See <http://www.onetcenter.org/> for more information on O*NET. When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

111 = Top executives

112 = Advertising/marketing/etc manager

113 = Operations specialties manager

119 = Other management

131 = Business operations specialist

132 = Financial specialist

151 = Computer specialist

152 = Mathematical science

171 = Architects, surveyors, and cartographers

172 = Engineers

173 = Drafter/engineering/mapping technician

191 = Life scientists

192 = Physical scientists

193 = Social scientists and related workers

194 = Life/physical/social science technician

211 = Counselor/social worker/other specialist

212 = Religious workers

231 = Lawyers, judges, and related workers

232 = Legal support workers

251 = Postsecondary teacher

252 = Primary/secondary/special ed teacher

253 = Other teachers and instructors

254 = Librarians, curators, and archivists

259 = Other education/training/library

271 = Art and design workers

272 = Entertainer/performer/sports/related

273 = Media and communication
 274 = Media and communication equipment
 291 = Health diagnosing/treating practitioner
 292 = Health technologists and technicians
 299 = Other healthcare practitioner/technical
 311 = Nursing/psychiatric/home health aide
 312 = Occupational/physical therapist aide
 319 = Other healthcare support
 331 = Supervisor of Protective Service Workers
 332 = Fire fighting and prevention
 333 = Law enforcement
 339 = Other protective service
 351 = Supervisor, food preparation and serving
 352 = Cooks and food preparation
 353 = Food and beverage serving
 359 = Other food preparation/serving related
 371 = Supervisor, building/grounds maintenance
 372 = Building cleaning and pest control
 373 = Grounds maintenance
 391 = Supervisor, personal care and service
 392 = Animal care and service
 393 = Entertainment attendants and related
 394 = Funeral service
 395 = Personal appearance
 396 = Baggage Porter, Bellhop, and Concierge
 397 = Tour and Travel Guides
 399 = Other personal care and service
 411 = Supervisors, sales
 412 = Retail sales
 413 = Sales representative, services
 414 = Sales representative, wholesale, etc
 419 = Other sales and related
 431 = Supervisor, office/administrative
 432 = Communications equipment operators
 433 = Financial clerks
 434 = Information and record clerks
 435 = Material recording, scheduling, etc
 436 = Secretaries and administrative assistant
 439 = Other office and administrative support
 451 = Supervisor, farming/fishing/forestry
 452 = Agricultural
 453 = Fishing and hunting
 454 = Forest, conservation, and logging
 471 = Supervisors, construction and extraction
 472 = Construction trades
 473 = Helpers, construction trades
 474 = Other construction and related
 475 = Extraction
 491 = Supervisor, installation, etc
 492 = Electrical equipment installer, etc
 493 = Vehicle/mobile equipment installers, etc
 499 = Other installation, etc
 511 = Supervisors, production
 512 = Assemblers and fabricators
 513 = Food processing
 514 = Metal workers and plastic
 515 = Printing

516 = Textile, apparel, and furnishings
 517 = Woodworkers
 518 = Plant and system operators
 519 = Other production
 531 = Supervisor, transportation/moving
 532 = Air transportation
 533 = Motor vehicle operator
 535 = Water transportation
 536 = Other transportation
 537 = Material moving
 551 = Military officer special/tactical ops
 552 = First-line enlisted military supervisor
 553 = Enlisted tactical ops, air/weapon crew

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. *Where:* [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DOCC601

Job 1: occupation coder 6-digit code

Job title: [job title at employer 1]

First, [if {COMPMODE = 1} I'd {else} we'd] like to classify your job. To do this, [if {COMPMODE = 1} I {else} we] need your job title and your primary job duties so [if {COMPMODE = 1} I {else} you] can select the closest match from the options returned from our database based on your information.

NOTE: 2010 Occupational Information Network (O*NET) occupation codes were used to code these data. See <http://www.onetcenter.org/> for more information on O*NET. When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

111011 = Chief Executives
 111021 = General and Operations Managers
 112011 = Advertising and Promotions Managers
 112021 = Marketing Managers
 112022 = Sales Managers
 112031 = Public Relations, Fundraising Managers
 113011 = Administrative Services Managers
 113021 = Computer and info systems managers

Appendix F. Facsimiles

113031 = Financial Managers	151131 = Computer Programmers
113051 = Industrial Production Managers	151132 = Software Developers, Applications
113061 = Purchasing Managers	151133 = Software Developers, Systems Software
113071 = Transportation, storage, etc manager	151134 = Web Developers
113111 = Compensation and Benefits Managers	151141 = Database Administrators
113121 = Human Resources Managers	151142 = Network/computer systems administrator
113131 = Training and Development Managers	151143 = Computer Network Architects
119013 = Farm/ranch/other agricultural managers	151151 = Computer User Support Specialists
119021 = Construction Managers	151152 = Computer Network Support Specialists
119031 = Ed administrator, preschool/child care	151199 = Computer Occupations, All Other
119032 = Ed administrator, elementary/secondary	152011 = Actuaries
119033 = Education Administrators, Postsecondary	152021 = Mathematicians
119039 = Education Administrators, All Other	152031 = Operations Research Analysts
119041 = Engineering managers	152041 = Statisticians
119051 = Food Service Managers	152099 = Mathematical scientists, all other
119081 = Lodging Managers	171011 = Architects, Except Landscape and Naval
119111 = Medical and Health Services Managers	171012 = Landscape Architects
119121 = Natural Sciences Managers	171021 = Cartographers and Photogrammetrists
119131 = Postmasters and Mail Superintendents	171022 = Surveyors
119141 = Property, real estate, etc managers	172011 = Aerospace Engineers
119151 = Social and Community Service Managers	172021 = Agricultural Engineers
119161 = Emergency Management Directors	172031 = Biomedical Engineers
119199 = Managers, All Other	172041 = Chemical Engineers
131011 = Agent/business manager of performers	172051 = Civil Engineers
131021 = Purchasing agent/buyer, farm products	172061 = Computer Hardware Engineers
131022 = Wholesale/retail buyer, except farm	172071 = Electrical Engineers
131023 = Purchasing agent, except wholesale	172072 = Electronics Engineers, Except Computer
131031 = Claims adjuster, examiner, investigator	172081 = Environmental Engineers
131032 = Insurance Appraisers, Auto Damage	172111 = Health/safety engineer, except mining
131041 = Compliance officer (not agriculture)	172112 = Industrial Engineers
131051 = Cost Estimators	172121 = Marine Engineers and Naval Architects
131071 = Human Resources Specialists	172131 = Materials Engineers
131081 = Logisticians	172141 = Mechanical Engineers
131111 = Management Analysts	172151 = Geological engineer, including mining
131121 = Meeting and convention planners	172161 = Nuclear Engineers
131131 = Fundraisers	172171 = Petroleum Engineers
131141 = Compensation, benefits, specialist	172199 = Engineers, All Other
131151 = Training and Development Specialists	173011 = Architectural and Civil Drafters
131161 = Market Research Analysts, Specialists	173012 = Electrical and Electronics Drafters
131199 = Business ops specialists, all other	173013 = Mechanical Drafters
132011 = Accountants and Auditors	173019 = Drafters, All Other
132021 = Appraisers and Assessors of Real Estate	173022 = Civil Engineering Technicians
132031 = Budget Analysts	173023 = Electrical engineering technicians
132041 = Credit Analysts	173024 = Electro-Mechanical Technicians
132051 = Financial Analysts	173025 = Environmental Engineering Technicians
132052 = Personal Financial Advisors	173026 = Industrial Engineering Technicians
132053 = Insurance Underwriters	173027 = Mechanical Engineering Technicians
132061 = Financial Examiners	173029 = Engineering tech, other (except drafter)
132071 = Credit Counselors	173031 = Surveying and Mapping Technicians
132072 = Loan Officers	191011 = Animal Scientists
132081 = Tax examiner, collector, revenue agent	191012 = Food Scientists and Technologists
132082 = Tax Preparers	191013 = Soil and Plant Scientists
132099 = Financial Specialists, All Other	191021 = Biochemists and Biophysicists
151111 = Computer and info scientist, research	191022 = Microbiologists
151121 = Computer Systems Analysts	191023 = Zoologists and Wildlife Biologists
151122 = Information Security Analysts	

191029 = Biological Scientists, All Other	232011 = Paralegals and Legal Assistants
191031 = Conservation Scientists	232093 = Title examiner, abstractor, and searcher
191032 = Foresters	232099 = Legal Support Workers, All Other
191041 = Epidemiologists	251021 = Computer Science Teachers, Postsecondary
191042 = Medical scientist, except epidemiologist	251022 = Mathematical science, postsecondary
191099 = Life Scientists, All Other	251041 = Agricultural science, postsecondary
192012 = Physicists	251042 = Biological science, postsecondary
192021 = Atmospheric and Space Scientists	251043 = Forestry/conservation sci, postsecondary
192031 = Chemists	251052 = Chemistry Teachers, Postsecondary
192032 = Materials Scientists	251053 = Environmental science, postsecondary
192041 = Environmental scientist, includes health	251054 = Physics Teachers, Postsecondary
192042 = Geoscientist, except hydrologists	251063 = Economics Teachers, Postsecondary
192043 = Hydrologists	251069 = Social science, postsecondary, all other
192099 = Physical Scientists, All Other	251071 = Health specialties, postsecondary
193011 = Economists	251072 = Nurse instructor/teacher, postsecondary
193022 = Survey Researchers	251081 = Education Teachers, Postsecondary
193031 = Clinical/counseling/school psychologist	251082 = Library Science Teachers, Postsecondary
193039 = Psychologists, All Other	251111 = Criminal justice, etc, postsecondary
193041 = Sociologists	251113 = Social Work Teachers, Postsecondary
193051 = Urban and Regional Planners	251121 = Art, drama, and music, postsecondary
193091 = Anthropologists and Archeologists	251122 = Communications Teachers, Postsecondary
193092 = Geographers	251123 = English lang/literature, postsecondary
193093 = Historians	251124 = Foreign lang/literature, postsecondary
193094 = Political Scientists	251125 = History Teachers, Postsecondary
193099 = Social scientist and related, other	251191 = Graduate Teaching Assistants
194011 = Agricultural and food science technician	251192 = Home Economics Teachers, Postsecondary
194021 = Biological Technicians	251193 = Recreation/fitness, postsecondary
194031 = Chemical Technicians	251194 = Vocational education, postsecondary
194041 Geological and Petroleum Technicians	251198 = Graduate Assistant
194061 = Social Science Research Assistants	251199 = Postsecondary Teachers, All Other
194091 = Environmental/protection science tech	252011 = Preschool teacher, except special ed
194092 = Forensic Science Technicians	252012 = Kindergarten teacher, except special ed
194093 = Forest and Conservation Technicians	252021 = Elementary teacher, except special ed
194099 = Life/physical technician, other	252022 = Middle teacher, except special/CTE
211011 = Substance abuse/behavioral counselors	252023 = CTE Teachers, Middle School
211012 = Ed, vocational, and school counselors	252031 = Secondary teacher, except special/CTE ed
211013 = Marriage and Family Therapists	252032 = CTE Teachers, Secondary School
211014 = Mental Health Counselors	252051 = Special Education Teachers, Preschool
211015 = Rehabilitation Counselors	252052 = Special ed teacher, pre-k/k/elementary
211019 = Counselors, All Other	252053 = Special ed teacher, middle
211021 = Child, Family, and School Social Workers	252054 = Special ed teacher, secondary
211022 = Healthcare Social Workers	252059 = Special Education Teachers, All Other
211023 = Mental health/substance social worker	253011 = Adult literacy/remedial ed/GED teacher
211029 = Social Workers, All Other	253021 = Self-Enrichment Education Teachers
211091 = Health Educators	253099 = Teachers and Instructors, All Other
211092 = Probation officer/correctional treatment	254011 = Archivists
211093 = Social and Human Service Assistants	254012 = Curators
211094 = Community Health Workers	254021 = Librarians
211099 = Community/social specialist, other	254031 = Library Technicians
212011 = Clergy	259011 = Audio-visual collections specialists
212021 = Director, religious activities, and edu	259031 = Instructional Coordinators
212099 = Religious Workers, All Other	
231011 = Lawyers	
231012 = Judicial Law Clerks	
231021 = Administrative law judge, officers, etc	
231022 = Arbitrators, Mediators, and Conciliators	

Appendix F. Facsimiles

259041 = Teacher Assistants
259099 = Ed/training/library worker, all other
271011 = Art Directors
271012 = Craft Artists
271013 = Fine artist, including painter, etc
271014 = Multimedia Artists and Animators
271019 = Artists and Related Workers, All Other
271021 = Commercial and Industrial Designers
271022 = Fashion Designers
271023 = Floral Designers
271024 = Graphic Designers
271025 = Interior Designers
271026 = Merchandise display/window trimmer
271027 = Set and Exhibit Designers
271029 = Designers, All Other
272011 = Actors
272012 = Producers and Directors
272021 = Athletes and Sports Competitors
272022 = Coaches and Scouts
272023 = Umpire/referee/other sports official
272031 = Dancers
272032 = Choreographers
272041 = Music Directors and Composers
272042 = Musicians and Singers
272099 = Entertainer/performer/sports, other
273011 = Radio and Television Announcers
273012 = Public address system/other announcer
273021 = Broadcast News Analysts
273022 = Reporters and Correspondents
273031 = Public Relations Specialists
273041 = Editors
273042 = Technical Writers
273043 = Writers and Authors
273091 = Interpreters and Translators
273099 = Media/communication worker, all other
274011 = Audio and Video Equipment
Technicians
274012 = Broadcast Technicians
274013 = Radio Operators
274014 = Sound Engineering Technicians
274021 = Photographers
274031 = Camera operator/TV/video/motion
picture
274032 = Film and Video Editors
274099 = Media/communication equipment, all
other
291011 = Chiropractors
291021 = Dentists, General
291029 = Dentists, All Other Specialists
291031 = Dietitians and Nutritionists
291041 = Optometrists
291051 = Pharmacists
291062 = Family and General Practitioners
291063 = Internists, General
291064 = Obstetricians and Gynecologists
291065 = Pediatricians, General
291066 = Psychiatrists
291067 = Surgeons
291069 = Physicians and Surgeons, All Other
291071 = Physician Assistants
291081 = Podiatrists
291122 = Occupational Therapists
291123 = Physical Therapists
291124 = Radiation Therapists
291125 = Recreational Therapists
291126 = Respiratory Therapists
291127 = Speech-Language Pathologists
291128 = Exercise Physiologists
291129 = Therapists, All Other
291131 = Veterinarians
291141 = Registered Nurses
291151 = Nurse Anesthetists
291171 = Nurse Practitioners
291181 = Audiologists
291199 = Health diagnosing practitioner, other
292011 = Medical/clinical laboratory technologist
292012 = Medical/clinical laboratory technician
292021 = Dental Hygienists
292031 = Cardiovascular technologist/technician
292032 = Diagnostic Medical Sonographers
292033 = Nuclear Medicine Technologists
292034 = Radiologic Technologists
292035 = Magnetic Resonance Imaging
Technologists
292041 = Emergency medical
technician/paramedic
292051 = Dietetic Technicians
292052 = Pharmacy Technicians
292053 = Psychiatric Technicians
292055 = Surgical Technologists
292056 = Veterinary Technologists and
Technicians
292057 = Ophthalmic Medical Technicians
292061 = Licensed practical/vocational nurse
292071 = Medical records/health info technician
292081 = Opticians, Dispensing
292099 = Health technologist/technician, other
299011 = Occupational health/safety specialist
299012 = Occupational health/safety technician
299091 = Athletic Trainers
299092 = Genetic Counselors
299099 = Health technologist/technician, other
311011 = Home Health Aides
311013 = Psychiatric Aides
311014 = Nursing Assistants
311015 = Orderlies
312011 = Occupational Therapy Assistants
312012 = Occupational Therapy Aides
312021 = Physical Therapist Assistants
312022 = Physical Therapist Aides
319011 = Massage Therapists
319091 = Dental Assistants
319092 = Medical Assistants
319093 = Medical Equipment Preparers

- 319094 = Medical Transcriptionists
 319095 = Pharmacy Aides
 319096 = Veterinary assistant/lab animal care
 319097 = Phlebotomists
 319099 = Healthcare Support Workers, All Other
 331011 = First-line manager, correctional officer
 331012 = First-line manager, police/detectives
 331021 = First-line manager, fire fighting, etc
 331099 = First-line manager, protective, other
 332011 = Firefighters
 332021 = Fire Inspectors and Investigators
 332022 = Forest fire/prevention specialist
 333011 = Bailiffs
 333012 = Correctional Officers and Jailers
 333021 = Detectives and Criminal Investigators
 333031 = Fish and Game Wardens
 333041 = Parking Enforcement Workers
 333051 = Police and Sheriff's Patrol Officers
 339021 = Private Detectives and Investigators
 339031 = Gaming surveillance officer/investigator
 339032 = Security Guards
 339092 = Lifeguard/ski patrol/other service
 339093 = Transportation Security Screeners
 339099 = Protective Service Workers, All Other
 351011 = Chefs and Head Cooks
 351012 = First-line manager, food prep/serving
 352011 = Cooks, Fast Food
 352012 = Cooks, Institution and Cafeteria
 352014 = Cooks, Restaurant
 352015 = Cooks, Short Order
 352019 = Cooks, All Other
 352021 = Food Preparation Workers
 353011 = Bartenders
 353021 = Food prep/serving, includes fast food
 353022 = Counter attendant, cafeteria, etc
 353031 = Waiters and Waitresses
 353041 = Food Servers, Non-restaurant
 359011 = Dining room/cafeteria attendant, etc
 359021 = Dishwashers
 359031 = Host/hostess, restaurant, etc
 359099 = Food prep/serving related, other
 371011 = First-line manager, housekeeping/janitor
 371012 = First-line manager, landscaping, etc
 372011 = Janitor/cleaner, except
 maid/housekeeper
 372012 = Maids and Housekeeping Cleaners
 372019 = Building Cleaning Workers, All Other
 372021 = Pest Control Workers
 373011 = Landscaping and Groundskeeping
 Workers
 373012 = Pesticide handler/sprayer/vegetation etc
 373019 = Grounds Maintenance Workers, All
 Other
 391012 = Slot Supervisors
 391021 = First-line manager, personal service
 392011 = Animal Trainers
 392021 = Nonfarm Animal Caretakers
 393011 = Gaming Dealers
 393021 = Motion Picture Projectionists
 393031 = Usher, lobby attendant, and ticket taker
 393091 = Amusement and Recreation Attendants
 393092 = Costume Attendants
 393099 = Entertainment attendants and related
 394011 = Embalmers
 394021 = Funeral Attendants
 394031 = Morticians/Undertakers/Funeral
 Directors
 395012 = Hairdresser, hairstylist, cosmetologist
 395092 = Manicurists and Pedicurists
 395094 = Skincare Specialists
 396011 = Baggage Porters and Bellhops
 396012 = Concierges
 397011 = Tour Guides and Escorts
 397012 = Travel Guides
 399011 = Childcare Workers
 399021 = Personal Care Aides
 399031 = Fitness trainer and aerobics instructor
 399032 = Recreation Workers
 399041 = Residential Advisors
 399099 = Personal care/service workers, all other
 411011 = First-line manager, retail sales
 411012 = First-line manager, non-retail sales
 412011 = Cashiers
 412021 = Counter and Rental Clerks
 412022 = Parts Salespersons
 412031 = Retail Salespersons
 413011 = Advertising Sales Agents
 413021 = Insurance Sales Agents
 413031 = Securities, commodities, etc agent
 413041 = Travel Agents
 413099 = Sales representatives, services, other
 414011 = Sales rep, wholesale, technical
 414012 = Sales rep, wholesale, except technical
 419011 = Demonstrators and Product Promoters
 419012 = Models
 419021 = Real Estate Brokers
 419022 = Real Estate Sales Agents
 419031 = Sales Engineers
 419041 = Telemarketers
 419091 = Door-to-door sales, etc, related
 419099 = Sales and Related Workers, All Other
 431011 = First-line manager, office/admin
 support
 432011 = Switchboard operator, includes
 answering
 432021 = Telephone Operators
 432099 = Communications equipment operator,
 other
 433011 = Bill and Account Collectors
 433021 = Billing and Posting Clerks
 433031 = Bookkeeping/accounting/auditing clerk
 433041 = Gaming Cage Workers
 433051 = Payroll and Timekeeping Clerks
 433061 = Procurement Clerks

Appendix F. Facsimiles

- 433071 = Tellers
 433099 = Financial Clerks, All Other
 434011 = Brokerage Clerks
 434021 = Correspondence Clerks
 434031 = Court, Municipal, and License Clerks
 434041 = Credit Authorizers, Checkers, and Clerks
 434051 = Customer Service Representatives
 434061 = Eligibility interviewer, govt program
 434071 = File Clerks
 434081 = Hotel, Motel, and Resort Desk Clerks
 434111 = Interviewer, except eligibility/loan
 434121 = Library Assistants, Clerical
 434131 = Loan Interviewers and Clerks
 434141 = New Accounts Clerks
 434151 = Order Clerks
 434161 = HR assistant, except payroll/timekeeping
 434171 = Receptionists and Information Clerks
 434181 = Reservation/transportation ticket agent
 434199 = Information and Record Clerks, All Other
 435011 = Cargo and Freight Agents
 435021 = Couriers and Messengers
 435031 = Police, Fire, and Ambulance Dispatchers
 435032 = Dispatcher, except police/fire/ambulance
 435041 = Meter Readers, Utilities
 435051 = Postal Service Clerks
 435052 = Postal Service Mail Carriers
 435053 = Postal mail sorter, processor, etc
 435061 = Production, planning, expediting clerk
 435071 = Shipping, Receiving, and Traffic Clerks
 435081 = Stock Clerks and Order Fillers
 435111 = Weigher/measurer/sampler, recordkeeping
 436011 = Executive secretary/admin assistant
 436012 = Legal Secretaries
 436013 = Medical Secretaries
 436014 = Secretary, except legal/medical/exec
 439011 = Computer Operators
 439021 = Data Entry Keyers
 439022 = Word Processors and Typists
 439041 = Insurance claims/policy processing clerk
 439051 = Mail clerk/machine op, except postal
 439061 = Office Clerks, General
 439081 = Proofreaders and Copy Markers
 439111 = Statistical Assistants
 439199 = Office/admin support worker, other
 451011 = First-line manager, farming/fishing/etc
 452011 = Agricultural Inspectors
 452091 = Agricultural Equipment Operators
 452092 = Farmworker/laborer: crop, nursery, etc
 452093 = Farmworkers, farm and ranch animals
 452099 = Agricultural Workers, All Other
 453011 = Fishers and Related Fishing Workers
 454011 = Forest and Conservation Workers
 471011 = First-line manager, construction, etc
 472031 = Carpenters
 472041 = Carpet Installers
 472043 = Floor Sanders and Finishers
 472044 = Tile and Marble Setters
 472051 = Cement Masons and Concrete Finishers
 472061 = Electricians
 472071 = Paving/surfacing/etc equipment operator
 472111 = Plumbers, Pipefitters, and Steamfitters
 472141 = Painters, Construction and Maintenance
 472152 = Helpers, carpenters
 472211 = Sheet Metal Workers
 472221 = Structural Iron and Steel Workers
 473013 = Helpers, electricians
 473014 = Helpers, pipelayer/plumber/etc
 473019 = Helpers, Construction Trades, All Other
 474011 = Construction and Building Inspectors
 474051 = Highway Maintenance Workers
 474099 = Derrick Operators, Oil and Gas
 475071 = Roustabouts, Oil and Gas
 491011 = First-line manager, mechanic, etc
 492011 = Computer, automated teller, etc repairer
 492021 = Radio mechanics
 492022 = Telecommunication installer, except line
 492091 = Avionics Technicians
 492097 = Electronic home entertainment installer
 492098 = Security/fire alarm systems installer
 493011 = Aircraft mechanic/service technician
 493023 = Bus/truck mechanic, diesel specialist
 493041 = Farm equipment mechanics
 493042 = Mobile equipment mechanic, except engine
 493043 = Rail Car Repairers
 493051 = Motorboat Mechanics, Service Technicians
 493091 = Recreational Vehicle Service Technicians
 493093 = Mechanical Door Repairs
 499021 = Heating, air conditioning, etc mechanic
 499041 = Maintenance Workers, Machinery
 499044 = Refractory repairer, except brickmason
 499052 = Camera/photographic equipment repairer
 499062 = Medical Equipment Repairers
 499069 = Precision instrument/etc repairer, other
 499071 = Wind Turbine Service Technicians
 499091 = Coin/vending/etc machine servicer
 499093 = Locksmiths and Safe Repairers
 499094 = Manufactured bldng/mobile home installer
 499098 = Installation/maintenance/repair, other
 499099 = First-line manager, production/operating
 511011 = Aircraft structure/surface/etc assembler
 512031 = Engine and Other Machine Assemblers
 512041 = Structural Metal Fabricators and Fitters

512092 = Timing Device Assemblers and Adjusters	533021 = Bus Drivers, Transit and Intercity
512099 = Bakers	533022 = Bus Drivers, School or Special Client
513011 = Butchers and Meat Cutters	533031 = Driver/Sales Workers
513021 = Meat/poultry/fish cutter/trimmer	533032 = Heavy and Tractor-Trailer Truck Drivers
513022 = Slaughterers and Meat Packers	533033 = Light Truck or Delivery Services Drivers
513099 = Food Processing Workers, All Other	533041 = Taxi Drivers and Chauffeurs
514011 = Computer machine operator, metal/plastic	533099 = Motor Vehicle Operators, All Other
514012 = Numerical tool/process programmer	535021 = Captain/mate/pilot of water vessel
514021 = Drawing machine setter, metal/plastic	536021 = Parking Lot Attendants
514022 = Forging machine setter, metal/plastic	536041 = Traffic Technicians
514031 = Cutting machine setter, metal/plastic	536099 = Conveyor Operators and Tenders
514041 = Metal-refining furnace operator/tender	537051 = Industrial Truck and Tractor Operators
514051 = Pourers and Casters, Metal	537061 = Laborer/mover, hand
514072 = Molding machine setter, metal/plastic	537062 = Machine Feeders and Offbearers
514081 = Multiple machine setter, metal/plastic	537064 = Gas pumping station operator
514111 = Welders, Cutters, Solderers, and Brazers	537081 = Mine Shuttle Car Operators
514199 = Metal/plastic worker, all other	537121 = Material Moving Workers, All Other
515111 = Prepress Technicians and Workers	551011 = Aircraft Launch and Recovery Officers
515112 = Printing Press Operators	551013 = Armored Assault Vehicle Officers
515113 = Print Binding and Finishing Workers	551014 = Artillery and Missile Officers
516011 = Laundry and Dry-Cleaning Workers	551015 = Infantry Officers
516031 = Sewing Machine Operators	551016 = Special Forces Officers
516051 = Sewers, Hand	551019 = Military officer special/tactical ops
516099 = Textile/apparel/furnishing worker, other	552011 = First-Line Supervisor, Air Crew
517011 = Cabinetmakers and Bench Carpenters	552012 = First-line manager, weapons specialists
518011 = Nuclear Power Reactor Operators	552013 = First-line manager, other tactical ops
518012 = Power Distributors and Dispatchers	553011 = Air Crew Members
518031 = Water/liquid waste plant op	553012 = Armored Assault Vehicle Crew Members
518091 = Chemical Plant and System Operators	553014 = Artillery and Missile Crew Members
518092 = Gas Plant Operators	553015 = Infantry
518093 = Petroleum system/refinery op, gauger	553018 = Special Forces
518099 = Plant and System Operators, All Other	553019 = Military Enlisted Tactical Operations, All Other
519011 = Chemical Equipment Operators and Tenders	<i>Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.</i>
519012 = Crushing/grinding/etc machine setter	
519023 = Cutters and Trimmers, Hand	
519041 = Extruding machine setter	
519061 = Inspector/tester/sorter/sampler/weigher	
519081 = Dental Laboratory Technicians	
519082 = Medical Appliance Technicians	
519083 = Ophthalmic Laboratory Technicians	
519121 = Painters, Transportation Equipment	
519151 = Photographic process workers	
519196 = Paper goods machine setter	
519198 = Helpers, production workers	
519199 = Aircraft Cargo Handling Supervisors	
531021 = First-line manager, helper/laborer, hand	
531031 = First-line manager, vehicle operator	
532011 = Airline pilot, copilot, flight engineer	
532012 = Commercial Pilots	
532021 = Air Traffic Controllers	
532022 = Airfield Operations Specialists	
532031 = Flight Attendants	

Appendix F. Facsimiles

were changed to reflect the new code selected:

B12DOCC201,

B12DOCC301, B12DOCC601. When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers.

These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not upcoded/recoded

1 = Yes, upcoded/recoded

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTYPO1

Job 1: type of employer

Job title: [job title at employer 1]

In this job, what type of company or organization [{if B12DEMPCUR01 = 1} do {else} did] you work for? [{If B12DEMPCUR01 = 1} Is {else} Was] it...

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = School where currently enrolled

2 = A for-profit company

3 = A nonprofit organization

4 = A local, state, or federal government

5 = The military

6 = Other

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, employer 1 was not self-

employed and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPSLF01 ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DINDCD01

Job 1: industry code

Job title: [job title at employer 1]

[If COMPMODE = 0]

What is the primary business or industry for [B12DEMPNAM01]? Please select an industry from the categories listed below.

[else]

What is the primary business or industry for [B12DEMPNAM01]? Please bear with me while I code this.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = None listed

11 = Agriculture, forestry, fishing, hunting

21 = Mining

22 = Utilities

23 = Construction

31 = Manufacturing

42 = Wholesale trade

44 = Retail sales, retail trade

48 = Transportation and warehousing

51 = Info/publishing, motion pictures, Internet

52 = Finance and insurance

53 = Real estate and rental and leasing

54 = Professional, scientific, and technical services

55 = Management of companies and enterprises

61 = Education, education services

62 = Health care and social assistance

71 = Arts, entertainment, and recreation

72 = Accommodations and food service

81 = All other services

92 = Public administration

561 = Administrative and support services

562 = Waste management, environmental
remediation

811 = Personal care services

812 = Automotive repair and maintenance

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, for whom employer 1 was either not part of a local, state, or federal government or was part of a local, state, or federal government, their job was a postsecondary teacher; a primary, secondary or special education teacher; other teachers and instructors; librarians, curators, and archivists; teachers assistants; audio visual collections specialists; farm and home management advisors; instructional coordinators; or other education, training, and library workers and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and (B12DEMPTYP01 ne 4 or (B12DEMPTYP01 = 4 and (B12DOCC301 in (251 252 253 254) or B12DOCC601 in (259041 259011 259021 259031 259099))) and ABBREV ne 1.

Recode note: If B12DOCC601 in (252012 252021 252022 252023 252031 252032 252052 252053 252054) then B12DINDCD01 = 61; If B12DEMPTYP01 = 1 then B12DINDCD01 = 61; If B12DEMPTYP01 = 4 and (B12DOCC301 in (251 252 253) or B12DOCC601 = 259041) then B12DINDCD01 = 61; If B12DEMPTYP01 = 4 and (B12DOCC301 = 254 or B12DOCC601 in (259011 259021 259031 259099)) then B12DINDCD01 = 92; If B12DEMPTYP01 = 5 then B12DINDCD01 = 92.

Source: B&B:08/12 Full-scale Student Interview

B12DINDTX01

Job 1: industry text string

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, indicated none or left blank employer 1's industry and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DINDCD01 in (-9 0) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEDIND01

Job 1: level of education industry

Job title: [job title at employer 1]

In which level of the education industry [{if}

B12DEMPCUR01 = 1} is {else} was] this job?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Preschool/Pre-K

2 = K-12 school

3 = Postsecondary institution

4 = Education support services (non-government)

5 = Other

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, employer 1 was in the education industry and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DINDCD01 = 61 and ABBREV ne 1.

Recode note: If B12DOCC601 in (252012 252021 252022 252023 252031 252032 252052 252053 252054) then B12DEDIND01 = 2 (K-12); If B12DEMPTYP01 in (1 4) and B12DOCC301 = 251 then B12DEDIND01 = 3 (Postsecondary); If B12DEMPTYP01 in (1 4) and B12DOCC601 in (252059 259041) then B12DEDIND01 = 2 (K-12); If B12DEMPTYP01 in (1 4) and B12DOCC301 = 253 then B12DEDIND01 = 5 (Other); If B12DEMPTYP01 = 1 then B12DEDIND01 = 3 (Postsecondary).

Source: B&B:08/12 Full-scale Student Interview

B12DOTM01

Job 1: worked more than 40 hours: to earn extra money

Job title: [job title at employer 1]

Earlier you told us that you [{if

B12DEMPCUR01 = 1} work {else} worked] about [hours worked per week at employer 1] hours per week in this job.

Why [{if B12DEMPCUR01 = 1} are {else} were] you working [hours worked per week at employer 1] hours per week?

To earn extra money

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–2008. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work more than 40 hours to earn
more money

1 = Yes, worked more than 40 hours to earn more
money

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at employer 1 for more than 40 hours per week. Where: [Job 1 selected for additional questions] and [worked more than 40 hours per week at employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DOTR01

Job 1: worked more than 40 hours: demands of job

Job title: [job title at employer 1]

Earlier you told us that you [{if B12DEMPCUR01 = 1} work {else} worked] about [hours worked per week at employer 1] hours per week in this job.

Why [{if B12DEMPCUR01 = 1} are {else} were] you working [hours worked per week at employer 1] hours per week?

Responsibilities of your position demand more than 40 hours per week

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–2008. In the full interview, respondents were asked additional questions for up to three of these employers.

In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work more than 40 hours due to job
demands

1 = Yes, worked more than 40 hours due to job
demands

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at employer 1 for more than 40 hours per week. Where: [Job 1 selected for additional questions] and [worked more than 40 hours per week at employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DOTOTH01

Job 1: worked more than 40 hours: other reason

Job title: [job title at employer 1]

Earlier you told us that you [{if B12DEMPCUR01 = 1} work {else} worked] about [hours worked per week at employer 1] hours per week in this job.

Why [{if B12DEMPCUR01 = 1} are {else} were] you working [hours worked per week at employer 1] hours per week?

Other reason not listed.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–2008. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work more than 40 hours for other
reasons

1 = Yes, worked more than 40 hours for other
reasons

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at employer 1 for

more than 40 hours per week. Where: [Job 1 selected for additional questions] and [worked more than 40 hours per week at employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DPREFT01

Job 1: prefer full-time

Job title: [job title at employer 1]

[If B12DEMPHRS01 ne -9 and <= 40]

Earlier you told us that you [{if B12DEMPCUR01 = 1} work {else} worked] about [B12DEMPHRS01] hours per week in this job. Would you [{if B12DEMPCUR01 = 1} prefer {else} have preferred] to work more hours than you [{if B12DEMPCUR01 = 1} do {else} did]?
[else]

Would you [{if B12DEMPCUR01 = 1} prefer {else} have preferred] to work more hours than you [{if B12DEMPCUR01 = 1} do {else} did]?
NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Would not have preferred full-time
employment

1 = Yes, would have preferred full-time
employment

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at part-time or fewer than 30 hours per week at employer 1. Where: [Job 1 selected for additional questions] and ([worked part-time at employer 1] or [worked fewer than 30 hours per week at employer 1]).

Source: B&B:08/12 Full-scale Student Interview

B12DWYSCH01

Job 1: why worked less than full-time: attending school

Job title: [job title at employer 1]

Why did you work fewer than 35 hours per week?

Working while attending school.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since

completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work less than full-time to attend school

1 = Yes, worked less than full-time to attend school

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, worked at employer 1 for fewer than 35 hours per week and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and [worked fewer than 35 hours per week at employer 1] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWYFR01

Job 1: why worked less than full-time: family responsibilities

Job title: [job title at employer 1]

Why did you work fewer than 35 hours per week?

Family responsibilities.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work less than full-time due to family

1 = Yes, worked less than full-time due to family

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, worked at employer 1 for fewer than 35 hours per week and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional

Appendix F. Facsimiles

[questions] and [worked fewer than 35 hours per week at employer 1] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWYNJA01

Job 1: why worked less than full-time: full-time job not available

Job title: [job title at employer 1]

Why did you work fewer than 35 hours per week?

Full-time job not available.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not because full-time job not available

1 = Yes, full time job not available

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, worked at employer 1 for fewer than 35 hours per week and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and [worked fewer than 35 hours per week at employer 1] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWYMLJ01

Job 1: why worked less than full-time: held more than one job

Job title: [job title at employer 1]

Why did you work fewer than 35 hours per week?

Held more than one job.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible

employers, then one was selected based on the criteria discussed above.

0 = Not because held more than one job

1 = Yes, because held more than one job

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, worked at employer 1 for fewer than 35 hours per week and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and [worked fewer than 35 hours per week at employer 1] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWYNOH01

Job 1: why worked less than full-time: did not need more hours

Job title: [job title at employer 1]

Why did you work fewer than 35 hours per week?

Did not need or want to work more hours.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not because did not need more hours

1 = Yes, because did not need more hours

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, worked at employer 1 for fewer than 35 hours per week and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and [worked fewer than 35 hours per week at employer 1] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWYOTH01

Job 1: why worked less than full-time: other

Job title: [job title at employer 1]

Why did you work fewer than 35 hours per week?

Other.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers.

In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = No other reason why worked fewer than 35 hours

1 = Yes, other reason worked fewer than 35 hours

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, worked at employer 1 for fewer than 35 hours per week and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and [worked fewer than 35 hours per week at employer 1] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DOVTIM01

Job 1: received overtime pay

Job title: [job title at employer 1]

[If B12DOCC601 in (252012 252021 252022 252023 252031 252032 252052 252053 252054)]

[{If B12DEMPCUR01 = 1} Do {else} Did] you earn any bonuses in this job?

[else]

[{If B12DEMPCUR01 = 1} Do {else} Did] you earn any overtime pay, commission, or bonuses in this job? Overtime.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not receive overtime pay

1 = Yes, received overtime pay

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, the job for employer 1 was not a graduate teaching or research assistant, K-12 teacher, or teacher's assistant and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DOCC601 not in (251191 251198 252012 252021 252022 252023 252031 252032 252052 252053 252054 259041) and ABBREV ne 1.

assistant and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DOCC601 not in (251191 251198 252012 252021 252022 252023 252031 252032 252052 252053 252054 259041) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCOMSN01

Job 1: received commission

Job title: [job title at employer 1]

[If B12DOCC601 in (252012 252021 252022 252023 252031 252032 252052 252053 252054)]

[{If B12DEMPCUR01 = 1} Do {else} Did] you earn any bonuses in this job?

[else]

[{If B12DEMPCUR01 = 1} Do {else} Did] you earn any overtime pay, commission, or bonuses in this job? Commission.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not receive commission

1 = Yes, received commission

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, the job for employer 1 was not a graduate teaching or research assistant, K-12 teacher, or teacher's assistant and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DOCC601 not in (251191 251198 252012 252021 252022 252023 252031 252032 252052 252053 252054 259041) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBONUS01

Job 1: received bonus

Job title: [job title at employer 1]
[If B12DOCC601 in (252012 252021 252022 252023
252031 252032 252052 252053 252054)]
[{If B12DEMPCUR01 = 1} Do {else} Did] you earn
any bonuses in this job?
[else]

[{If B12DEMPCUR01 = 1} Do {else} Did] you earn
any overtime pay, commission, or bonuses in this job?
Bonus.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not receive bonuses

1 = Yes, received bonuses

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, the job for employer 1 was not a graduate teaching or research assistant and who did not participate in the abbreviated interview. *Where:* [Job 1 selected for additional questions] and B12DOCC601 not in (251191 251198) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENANY01

Job 1: employer offered any benefits

Job title: [job title at employer 1]
[{If B12DEMPCUR01 = 1} Does {else} Did] your
employer offer you any other benefits such as health
insurance, retirement plans, paid vacation or holidays,
etc.? Do not include salary, hourly pay, bonuses, tips,
etc.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three

consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Employer did not offer benefits

1 = Yes, employer offered benefits

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, employer 1 was not self-employed and who did not participate in the abbreviated interview. *Where:* [Job 1 selected for additional questions] and B12DEMPSLF01 ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNSF19B01

Job 1: job related to major

Job title: [job title at employer 1]
Would you say the skills required for this job [{if B12DEMPCUR01 = 1} are {else} were] closely related, somewhat related, or not related to the skills you obtained in your bachelor's degree program at [NPSAS]?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not related

1 = Closely related

2 = Somewhat related

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. *Where:* [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNSFPBD01

Job 1: skills required for job related to postbaccalaureate degree
 Job title: [job title at employer 1]

Would you say the skills required for this job [{if B12DEMPCUR01 = 1} are {else} were] closely related, somewhat related, or not related to the skills you obtained in your [most recent postbaccalaureate degree or certificate]?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Closely related

2 = Somewhat related

3 = Not related

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, their most recent postbaccalaureate degree was completed prior to beginning work at employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and [most recent degree date prior to B12DEMPSMY01] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNSFA01

Job 1: bachelor's degree required for job

Job title: [job title at employer 1]

[If B12DEMPCUR01 = 1]

Do your duties in this job require a bachelor's degree or higher?
 [else]

Did your duties in this job require a bachelor's degree or higher?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three

consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Bachelor's degree not required for job

1 = Yes, bachelor's degree required for job

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLICREL01

Job 1: license related to current work

Job title: [job title at employer 1]

[If B12DEMPCUR01 = 1]

Is your license related to the work you do at your job?
 [else]

Was your license related to the work you did at your job?

NOTE: This question was only asked as part of the first employment loop. Subsequent employment loops do not contain this item. When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = License not related to current work

1 = Yes, license related to current work

2 = Don't have license yet

3 = License expired before I started

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, indicated receiving a license or certificate and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and (B12CLICENSE = 1 or B12CCERT = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLICOND01

Job 1: license required for current work

Job title: [job title at employer 1]

[If B12DEMPCUR01 = 1]

Is your license required for the work you do at your job?

[else]

Was your license required for the work you did at your job?

NOTE: This question was only asked as part of the first employment loop. Subsequent employment loops do not contain this item. When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = License not required for current work

1 = Yes, license required for current work

2 = Don't have license yet

3 = License expired before I started

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, indicated their license or certificate was related to their job with employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DLICREL01 = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCURL01

Job 1: start of career

Job title: [job title at employer 1]

[If B12DEMPCUR01 = 1]

Do you consider this job to be part of a career you are pursuing in your occupation or industry?

[else]

When you were employed, did you consider this job to be part of a career you were pursuing in your occupation or industry?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers.

In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Job is not the start of career

1 = Yes, job is the start of career

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection. Where: [Job 1 selected for additional questions].

Source: B&B:08/12 Full-scale Student Interview

B12DCURCAR01

Job 1: job description: obtain job experience

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else}] was not part of your career?

Working to obtain job experience.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not working to obtain job experience

1 = Yes, working to obtain job experience

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCUREST01*Job 1: job description: established career*

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

Continuing in job held before leaving [NPSAS].

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not continuing in a job prior to leaving
[NPSAS]

1 = Yes, continuing in a job prior to leaving
[NPSAS]

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCURBEN01*Job 1: job description: working to receive benefits*

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

Working to receive benefits.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated

interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not working to receive benefits

1 = Yes, working to receive benefits

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCURPAY01*Job 1: job description: pays the bills*

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

Working to pay the bills (e.g., best job available).

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not working to pay the bills

1 = Yes, working to pay the bills

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCURED01*Job 1: job description: providing experience for education*

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

Working to prepare for future education.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since

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completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not working to prepare for future education

1 = Yes, working to prepare for future education

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCURSCH01

Job 1: job description: job while in school

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

Job while in school.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not working while in school

1 = Yes, working while in school

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were currently enrolled in school, currently employed at employer 1, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and [currently enrolled] and

B12DEMPCUR01 = 1 and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCURINT01

Job 1: job description: job while pursuing other interests

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

Job while pursuing other interests.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not a job while pursuing other interests

1 = Yes, job while pursuing other interests

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCURFUT01

Job 1: job description: work while exploring education/career options

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

Working while exploring future education and/or career options.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three

consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not working while exploring future options

1 = Yes, working while exploring future options

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCUROTH01

Job 1: job description: other

Job title: [job title at employer 1]

In which of the following ways would you describe this job, since it [{if B12DEMPCUR01 = 1} is {else} was] not part of your career?

[If COMPMODE = 0] Other description [else] Any other description.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Not another type of job

1 = Yes, other type of job

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, whose job at employer 1 was not part of their career path and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DCURL01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGSL01

Job 1: why no longer working for emp: wanted better salary/ benefit

Why are you no longer employed by [B12DEMPNAM01]?

Wanted better salary or benefits.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not want better salary/benefits

1 = Yes, wanted better salary/benefits

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGSF01

Job 1: why no longer working for emp: wanted a job in similar field

Why are you no longer employed by [B12DEMPNAM01]?

Wanted a different job in the same or similar field.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not want a job in a similar field

1 = Yes, wanted a job in a similar field

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview.

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interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGDF01

Job 1: why no longer working for emp: wanted job in different field

Why are you no longer employed by [B12DEMPNAM01]?

Wanted a job in a different field.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not want a job in a different field

1 = Yes, wanted a job in a different field

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGWC01

Job 1: why no longer working for emp: wanted different work cond.

Why are you no longer employed by [B12DEMPNAM01]?

Wanted different working conditions (such as work hours, commute, colleagues, etc.).

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if

necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not want different working conditions

1 = Yes, wanted different working conditions

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGCA01

Job 1: why no longer working for emp: wanted better advancement

Why are you no longer employed by [B12DEMPNAM01]?

Wanted better opportunities for career advancement.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not want better opportunities for career adv

1 = Yes, wanted better opportunities for career adv

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGJS01

Job 1: why no longer working for emp: wanted better job security

Why are you no longer employed by [B12DEMPNAM01]?

Wanted better job security.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since

completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

- 0 = Did not want better job security
- 1 = Yes, wanted better job security

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGDL01

Job 1: why no longer working for emp: did not like job

Why are you no longer employed by

[B12DEMPNAM01]?

Did not like job at [B12DEMPNAM01].

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

- 0 = Not because disliked job
- 1 = Yes, did not like job

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGTP01

Job 1: why no longer working for emp: position was temp/ seasonal

Why are you no longer employed by
[B12DEMPNAM01]?

Position was temporary or seasonal.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

- 0 = Not because position was temporary or seasonal

- 1 = Yes, because position was temporary or seasonal

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Recode note: If B12DEMPCUR01 = 0 and B12DBKTM01 = 1 then B12DCGTP01 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGTM01

Job 1: why no longer working for emp: laid off/ terminated

Why are you no longer employed by

[B12DEMPNAM01]?

Laid off, terminated, or contract not renewed.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible

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employers, then one was selected based on the criteria discussed above.

- 0 = Not because laid off or terminated
- 1 = Yes, because laid off or terminated

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGES01

Job 1: why no longer working for emp: enrolled in school

Why are you no longer employed by

[B12DEMPNAM01]?

Enrolled in school.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

- 0 = Not because enrolled in school
- 1 = Yes, because enrolled in school

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGRA01

Job 1: why no longer working for emp: relocated to another area

Why are you no longer employed by

[B12DEMPNAM01]?

Relocated to another area.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These

additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

- 0 Not because relocated to another area
- 1 Yes, because relocated to another area

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGCC01

Job 1: why no longer working for emp: care for children

Why are you no longer employed by

[B12DEMPNAM01]?

Care for children.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

- 0 = Did not leave to care for children
- 1 = Yes, left to care for children

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGHR01*Job 1: why no longer working for emp: health reasons*Why are you no longer employed by
[B12DEMPNAM01]?

Health reasons.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not leave because of health reasons

1 = Yes, left because of health reasons

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCGOT01*Job 1: why no longer working for emp: other*Why are you no longer employed by
[B12DEMPNAM01]?

Other reason(s).

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not leave because of other reasons

1 = Yes, left because of other reasons

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DSINGLE01*Job 1: single most important reason no longer working for [employer]*

Job title: [job title at employer 1]

Which of the following is the most important reason you are no longer employed by [B12DEMPNAM01]?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Wanted better salary or benefits

2 = Wanted a different job in the same/similar field

3 = Wanted a job in a different field

4 = Wanted different working conditions

5 = Wanted better opportunities for career advancement

6 = Wanted better job security

7 = Did not like job at [B12DEMPNAM01]

8 = Position was temporary or seasonal

9 = Laid off, terminated, or contract not renewed

10 = Enrolled in school

11 = Relocated to another area

12 = Care for children

13 = Health reasons

14 = Other reason(s)

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection, were not currently working for employer 1 and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and B12DEMPCUR01 = 0 and ABBREV ne 1.

Recode note: If B12DCGSL01 = 1 then

B12DSINGLE01 = 1; If B12DCGSF01 = 1 then

B12DSINGLE01 = 2; If B12DCGDF01 = 1 then

B12DSINGLE01 = 3; If B12DCGWC01 = 1 then

B12DSINGLE01 = 4; If B12DCGCA01 = 1 then

Appendix F. Facsimiles

B12DSINGLE01 = 5; If B12DCGJS01 = 1 then
B12DSINGLE01 = 6; If B12DCGDL01 = 1 then
B12DSINGLE01 = 7; If B12DCGTP01 = 1 then
B12DSINGLE01 = 8; If B12DCGTM01 = 1 then
B12DSINGLE01 = 9; If B12DCGES01 = 1 then
B12DSINGLE01 = 10; If B12DCGRA01 = 1 then
B12DSINGLE01 = 11; If B12DCGCC01 = 1 then
B12DSINGLE01 = 12; If B12DCGHR01 = 1 then
B12DSINGLE01 = 13; If B12DCGOT01 = 1 then
B12DSINGLE01 = 14.

Source: B&B:08/12 Full-scale Student Interview

B12DPAY01

Job 1: level of satisfaction: wages and bonuses

Job title: [job title at employer 1]

Indicate your level of satisfaction, from very dissatisfied to very satisfied, with each of the following areas of this job:

Wages and bonuses.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Very dissatisfied

2 = Dissatisfied

3 = Neither satisfied nor dissatisfied

4 = Satisfied

5 = Very satisfied

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBEN01

Job 1: level of satisfaction: benefits

Job title: [job title at employer 1]

Indicate your level of satisfaction, from very dissatisfied to very satisfied, with each of the following areas of this job:

Benefits.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic

information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Very dissatisfied

2 = Dissatisfied

3 = Neither satisfied nor dissatisfied

4 = Satisfied

5 = Very satisfied

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DIMP01

Job 1: level of satisfaction: importance of work

Job title: [job title at employer 1]

Indicate your level of satisfaction, from very dissatisfied to very satisfied, with each of the following areas of this job:

Importance of your work.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Very dissatisfied

2 = Dissatisfied

3 = Neither satisfied nor dissatisfied

4 = Satisfied

5 = Very satisfied

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DCHAL01

Job 1: level of satisfaction: challenge of work

Job title: [job title at employer 1]

Indicate your level of satisfaction, from very dissatisfied to very satisfied, with each of the following areas of this job:

Challenge of your work.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Very dissatisfied

2 = Dissatisfied

3 = Neither satisfied nor dissatisfied

4 = Satisfied

5 = Very satisfied

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DSEC01

Job 1: level of satisfaction: job security

Job title: [job title at employer 1]

Indicate your level of satisfaction, from very dissatisfied to very satisfied, with each of the following areas of this job:

Job security.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked

additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Very dissatisfied

2 = Dissatisfied

3 = Neither satisfied nor dissatisfied

4 = Satisfied

5 = Very satisfied

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBAL01

Job 1: level of satisfaction: balancing work and family obligations

Job title: [job title at employer 1]

Indicate your level of satisfaction, from very dissatisfied to very satisfied, with each of the following areas of this job:

Ability to balance work and family obligations.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

1 = Very dissatisfied

2 = Dissatisfied

3 = Neither satisfied nor dissatisfied

4 = Satisfied

5 = Very satisfied

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and who did not participate in the abbreviated interview. Where: [Job 1 selected for additional questions] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Loops 2 – 12 have not been included in the facsimile.

B12DNWLK01

Non-working span 1: activity while not working: looking for work

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Looking for work

0 = Not looking for work

1 = Yes, looking for work

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWBK01

Non-working span 1: activity while not working: break from work

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Taking a break from work

0 = Did not take a break from work

1 = Yes, took a break from work

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWES01

Non-working span 1: activity while not working: enrolled in school

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Enrolled in school

0 = Did not enroll in school

1 = Yes, enrolled in school

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWPH01

Non-working span 1: activity while not working: personal health issue

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Not working due to personal health issues (e.g., disabled)

0 = Not due to a personal health issue

1 = Yes, personal health issue

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWCC01

Non-working span 1: activity while not working: caring for children

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Caring for children

0 = Not caring for children

1 = Yes, caring for children

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWCO01

Non-working span 1: activity while not working: caring for family

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing

while you were not employed. What were you doing from [unemployment span 1]?

Caring for other family members

0 = Not caring for others

1 = Yes, caring for others

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. *Where:* [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWOT01

Non-working span 1: activity while not working: something else
[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Something else

0 = Not something else

1 = Yes, something else

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. *Where:* [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWKING01

Non-working span 1: working during this span
[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

I was employed during this time period

0 = Not working during this time period

1 = Yes, working during this time period

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. *Where:* [At least one unemployment spans].

Source: B&B:08/12 Full-scale Student Interview

B12DMAIN01

Non-working span 1: primary activity while not working

What were you primarily doing when you were not working during this time ([unemployment span 1])?

1 = Looking for work

2 = Taking a break from work

3 = Enrolled in school

4 = Not working due to personal health issues

5 = Caring for children

6 = Caring for other family members

7 = Something else

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months and indicated doing something other than working during that time. *Where:* [At least one unemployment spans] and B12DWKING01 ne 1.

Recode note: If B12DNWLK01 = 1 then

B12DMAIN01 = 1; If B12DNWBK01 = 1 then

B12DMAIN01 = 2; If B12DNWES01 = 1 then

B12DMAIN01 = 3; If B12DNWPH01 = 1 then

B12DMAIN01 = 4; If B12DNWCC01 = 1 then

B12DMAIN01 = 5; If B12DNWCO01 = 1 then

B12DMAIN01 = 6; If B12DNWOT01 = 1 then

B12DMAIN01 = 7.

Source: B&B:08/12 Full-scale Student Interview

Loops 2 - 8 have not been included in the facsimile.

B12DWRKS

Primarily student or employee while enrolled

Since you are currently enrolled as a student and also working, would you say you are primarily...

1 = A student working to meet expenses, or

2 = An employee who decided to enroll in school

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements, were currently employed, were currently enrolled in school and who did not participate in the abbreviated interview. *Where:*

B12DANYJOBS = 1 and [currently employed] and [currently enrolled] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DSEARCH

Looking for a job

[If [currently employed]]

Are you currently looking for a different job? (Indicate "yes" if you are looking for full-time, part-time, or graduate school jobs such as assistantships and fellowships.)

[else]

Are you currently looking for a job? (Indicate "yes" if you are looking for full-time, part-time, or graduate school jobs such as assistantships and fellowships.)

0 = Not looking for a job

1 = Yes, looking for a job

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12DEVERLK

Ever looked for work

[If [BA completion date not missing]]

Since completing your bachelor's degree requirements in [BA completion date], have you ever looked for employment?

[else]

Since completing your bachelor's degree requirements in the 2007-08 school year, have you ever looked for employment?

0 = Never looked for work since NPSAS

1 = Yes, looked for work since NPSAS

Applies To: Respondents who had not had paid employment since completing their bachelor's degree requirements and were not currently looking for a job. Where: B12DANYJOBS ne 1 and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK07JL

Looking for work July 2007

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

July 2007

0 = Did not look for work in July 2007

1 = Yes, looked for work in July 2007

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to August 2007 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to August 2007] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK07AG

Looking for work August 2007

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

August 2007

0 = Did not look for work in August 2007

1 = Yes, looked for work in August 2007

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements

prior to September 2007 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to September 2007] and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12DLK07SP

Looking for work September 2007

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

September 2007

0 = Did not look for work in September 2007

1 = Yes, looked for work in September 2007

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to October 2007 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to October 2007] and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12DLK07OC

Looking for work October 2007

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

October 2007

0 = Did not look for work in October 2007

1 = Yes, looked for work in October 2007

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to November 2007 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to November 2007] and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12DLK07NV

Looking for work November 2007

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

November 2007

0 = Did not look for work in November 2007

1 = Yes, looked for work in November 2007

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to December 2007 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to December 2007] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK07DC

Looking for work December 2007

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

December 2007

0 = Did not look for work in December 2007

1 = Yes, looked for work in December 2007

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to January 2008 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to January 2008] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08JA

Looking for work January 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

January 2008

0 = Did not look for work in January 2008

1 = Yes, looked for work in January 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to February 2008 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to February 2008] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08FB

Looking for work February 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

February 2008

0 = Did not look for work in February 2008

1 = Yes, looked for work in February 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to March 2008 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to March 2008] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08MR

Looking for work March 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

March 2008

0 = Did not look for work in March 2008

1 = Yes, looked for work in March 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to April 2008 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to April 2008] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08AP

Looking for work April 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for

Appendix F. Facsimiles

employment, including looking for a different or additional job.

April 2008

0 = Did not look for work in April 2008

1 = Yes, looked for work in April 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to May 2008 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to May 2008] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08MY

Looking for work May 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

May 2008

0 = Did not look for work in May 2008

1 = Yes, looked for work in May 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, completed their requirements prior to June 2008 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [completed bachelor's degree requirements prior to June 2008] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08JN

Looking for work June 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

June 2008

0 = Did not look for work in June 2008

1 = Yes, looked for work in June 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08JL

Looking for work July 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

July 2008

0 = Did not look for work in July 2008

1 = Yes, looked for work in July 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08AG

Looking for work August 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

August 2008

0 = Did not look for work in August 2008

1 = Yes, looked for work in August 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08SP

Looking for work September 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

September 2008

0 = Did not look for work in September 2008

1 = Yes, looked for work in September 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate

in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08OC

Looking for work October 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

October 2008

0 = Did not look for work in October 2008

1 = Yes, looked for work in October 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08NV

Looking for work November 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

November 2008

0 = Did not look for work in November 2008

1 = Yes, looked for work in November 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK08DC

Looking for work December 2008

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

December 2008

0 = Did not look for work in December 2008

1 = Yes, looked for work in December 2008

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09JA

Looking for work January 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

January 2009

0 = Did not look for work in January 2009

1 = Yes, looked for work in January 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09FB

Looking for work February 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

February 2009

0 = Did not look for work in February 2009

1 = Yes, looked for work in February 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09MR

Looking for work March 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for

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employment, including looking for a different or additional job.

March 2009

0 = Did not look for work in March 2009

1 = Yes, looked for work in March 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09AP

Looking for work April 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

April 2009

0 = Did not look for work in April 2009

1 = Yes, looked for work in April 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09MY

Looking for work May 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

May 2009

0 = Did not look for work in May 2009

1 = Yes, looked for work in May 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09JN

Looking for work October 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

June 2009

0 = Did not look for work in June 2009

1 = Yes, looked for work in June 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09JL

Looking for work July 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

July 2009

0 = Did not look for work in July 2009

1 = Yes, looked for work in July 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09AG

Looking for work August 2009

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

August 2009

0 = Did not look for work in August 2009

1 = Yes, looked for work in August 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09SP*Looking for work September 2009*

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

September 2009

0 = Did not look for work in September 2009

1 = Yes, looked for work in September 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09OC*Looking for work October 2009*

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

October 2009

0 = Did not look for work in October 2009

1 = Yes, looked for work in October 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09NV*Looking for work November 2009*

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

November 2009

0 = Did not look for work in November 2009

1 = Yes, looked for work in November 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate

in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK09DC*Looking for work December 2009*

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

December 2009

0 = Did not look for work in December 2009

1 = Yes, looked for work in December 2009

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10JA*Looking for work January 2010*

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

January 2010

0 = Did not look for work in January 2010

1 = Yes, looked for work in January 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10FB*Looking for work February 2010*

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

February 2010

0 = Did not look for work in February 2010

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1 = Yes, looked for work in February 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10MR

Looking for work March 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

March 2010

0 = Did not look for work in March 2010

1 = Yes, looked for work in March 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10AP

Looking for work April 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

April 2010

0 = Did not look for work in April 2010

1 = Yes, looked for work in April 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10MY

Looking for work May 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for

employment, including looking for a different or additional job.

May 2010

0 = Did not look for work in May 2010

1 = Yes, looked for work in May 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10JN

Looking for work June 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

June 2010

0 = Did not look for work in June 2010

1 = Yes, looked for work in June 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10JL

Looking for work July 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

July 2010

0 = Did not look for work in July 2010

1 = Yes, looked for work in July 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10AG

Looking for work August 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

August 2010

0 = Did not look for work in August 2010

1 = Yes, looked for work in August 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10SP

Looking for work September 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

September 2010

0 = Did not look for work in September 2010

1 = Yes, looked for work in September 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10OC

Looking for work October 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

October 2010

0 = Did not look for work in October 2010

1 = Yes, looked for work in October 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10NV

Looking for work November 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

November 2010

0 = Did not look for work in November 2010

1 = Yes, looked for work in November 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK10DC

Looking for work December 2010

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

December 2010

0 = Did not look for work in December 2010

1 = Yes, looked for work in December 2010

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11JA

Looking for work January 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

January 2011

0 = Did not look for work in January 2011

1 = Yes, looked for work in January 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11FB

Looking for work February 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

February 2011

0 = Did not look for work in February 2011

1 = Yes, looked for work in February 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11MR

Looking for work March 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

March 2011

0 = Did not look for work in March 2011

1 = Yes, looked for work in March 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11AP

Looking for work April 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

April 2011

0 = Did not look for work in April 2011

1 = Yes, looked for work in April 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate

in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11MY

Looking for work May 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

May 2011

0 = Did not look for work in May 2011

1 = Yes, looked for work in May 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11JN

Looking for work June 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

June 2011

0 = Did not look for work in June 2011

1 = Yes, looked for work in June 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11JL

Looking for work July 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

July 2011

0 = Did not look for work in July 2011

1 = Yes, looked for work in July 2011
Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.
 Source: B&B:08/12 Full-scale Student Interview

B12DLK11AG

Looking for work August 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

August 2011

0 = Did not look for work in August 2011

1 = Yes, looked for work in August 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11SP

Looking for work September 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

September 2011

0 = Did not look for work in September 2011

1 = Yes, looked for work in September 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11OC

Looking for work October 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for

employment, including looking for a different or additional job.

October 2011

0 = Did not look for work in October 2011

1 = Yes, looked for work in October 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11INV

Looking for work November 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

November 2011

0 = Did not look for work in November 2011

1 = Yes, looked for work in November 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK11DC

Looking for work December 2011

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

December 2011

0 = Did not look for work in December 2011

1 = Yes, looked for work in December 2011

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12JA

Looking for work January 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

January 2012

0 = Did not look for work in January 2012

1 = Yes, looked for work in January 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12FB

Looking for work February 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

February 2012

0 = Did not look for work in February 2012

1 = Yes, looked for work in February 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12MR

Looking for work March 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

March 2012

0 = Did not look for work in March 2012

1 = Yes, looked for work in March 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate

in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12AP

Looking for work April 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

April 2012

0 = Did not look for work in April 2012

1 = Yes, looked for work in April 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12MY

Looking for work May 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

May 2012

0 = Did not look for work in May 2012

1 = Yes, looked for work in May 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12JN

Looking for work June 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

June 2012

0 = Did not look for work in June 2012

1 = Yes, looked for work in June 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12JL

Looking for work July 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

July 2012

0 = Did not look for work in July 2012

1 = Yes, looked for work in July 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12AG

Looking for work August 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

August 2012

0 = Did not look for work in August 2012

1 = Yes, looked for work in August 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12SP

Looking for work September 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for

employment, including looking for a different or additional job.

September 2012

0 = Did not look for work in September 2012

1 = Yes, looked for work in September 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after August 2012 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after August 2012] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12OC

Looking for work October 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

October 2012

0 = Did not look for work in October 2012

1 = Yes, looked for work in October 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after September 2012 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after September 2012] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12NV

Looking for work November 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

November 2012

0 = Did not look for work in November 2012

1 = Yes, looked for work in November 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after October 2012 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after October 2012] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK12DC

Looking for work December 2012

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

December 2012

0 = Did not look for work in December 2012

1 = Yes, looked for work in December 2012

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after November 2012 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after November 2012] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK13JA

Looking for work January 2013

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

January 2013

0 = Did not look for work in January 2013

1 = Yes, looked for work in January 2013

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after December 2012 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after December 2012] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK13FB

Looking for work February 2013

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

February 2013

0 = Did not look for work in February 2013

1 = Yes

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after January 2013 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after January 2013] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK13MR

Looking for work March 2013

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

March 2013

0 = Did not look for work in March 2013

1 = Yes

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after February 2013 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after February 2013] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLK13AP

Looking for work April 2013

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

April 2013

0 = Did not look for work in April 2013

1 = Yes

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements, saw this item after March 2013 and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and B12DLKNOLK ne 1 and [saw item after March 2013] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DLKNOLK

Never looked for work

[If [BA completion date not missing]]

Since [BA completion date], which months you were actively looking for employment, including looking for a different or additional job.

[else]

Since completing your bachelor's degree requirements, which months you were actively looking for employment, including looking for a different or additional job.

Never looked for a job

- 0 = Looked for work since bachelor's degree
- 1 = Yes, never looked for work since bachelor's degree

Applies To: Respondents who looked for a job since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where: B12DEVERLK ne 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTRV

Current activity since not employed: currently traveling

According to the information that you have provided, it does not appear you are currently employed. Are you...

Traveling (trip longer than two weeks)?

- 0 = Not currently travelling
- 1 = Yes, currently travelling

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPVOL

Current activity since not employed: currently volunteering

According to the information that you have provided, it does not appear you are currently employed. Are you...

Volunteering or participating in an unpaid internship?

- 0 = Not currently volunteering
- 1 = Yes, currently volunteering

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPHM

Current activity since not employed: home Maker

According to the information that you have provided, it does not appear you are currently employed. Are you...

A full-time homemaker?

- 0 = Not currently a homemaker
- 1 = Yes, currently a homemaker

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPDIS

Current activity since not employed: disabled

According to the information that you have provided, it does not appear you are currently employed. Are you...

Unable to work because of a disability?

- 0 = Not unable to work due to disability
- 1 = Yes, unable to work due to disability

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTMP

Current activity since not employed: temp layoff

According to the information that you have provided, it does not appear you are currently employed. Are you...

Temporarily laid off, on leave, or waiting to report to work for other reasons?

- 0 = Not temporarily laid off
- 1 = Yes, temporarily laid off

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPSCH

Current activity since not employed: enrolled in school

According to the information that you have provided, it does not appear you are currently employed. Are you...

Enrolled in school?

- 0 = Not currently enrolled in school
- 1 = Yes, currently enrolled in school

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENSAL

Importance of job factors: wages and bonuses

Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Wages and bonuses

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated

Appendix F. Facsimiles

interview. Where: B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENPRO

Importance of job factors: promotion opportunities

Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Promotion opportunities

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where:

B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENRELA

Importance of job factors: work directly related to field of study
Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Work that is directly related to your field of study

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where:

B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENFLEX

Importance of job factors: making decisions

Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Making your own decisions about how to get your work done

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where:

B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENDAYC

Importance of job factors: employer-subsidized daycare

Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Employer-subsidized daycare

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where:

B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENINSU

Importance of job factors: employer-provided health insurance

Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Employer-provided health insurance

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where:

B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENRETR

Importance of job factors: retirement benefits (401k, pension, etc.)

Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Retirement benefits (401k, pension, etc.)

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where:

B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DBENCOM

Importance of job factors: commute

Please indicate how important each of the following benefits is to you when choosing a job. Would you say not at all important, somewhat important, important, or very important?

Commute (e.g., time, hassle)

- 1 = Not at all important
- 2 = Somewhat important
- 3 = Important
- 4 = Very important

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and who did not participate in the abbreviated interview. Where:

B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Section 5: K-12 Teaching

B12EEVRTCH

Taught at K-12 level

[If B&B:08/09 respondent]

For verification, have you worked as a regular classroom teacher, itinerant teacher, support teacher, teacher's aide, substitute teacher, or student teacher at the K-12 level since you were last interviewed in [B&B:08/09 interview date]? (Indicate "yes" only for teaching positions at elementary or secondary schools. Do not include such positions as preschool teacher, SAT tutor or piano teacher in a non-school setting, graduate teaching assistant, or guidance counselor.) [else if BA completion date not missing]

For verification, have you worked as a regular classroom teacher, itinerant teacher, support teacher, teacher's aide, substitute teacher, or student teacher at the K-12 level since completing your bachelor's degree requirements in [BA completion date]? (Indicate "yes" only for teaching positions at elementary or secondary schools. Do not include such positions as preschool teacher, SAT tutor or piano teacher in a non-school setting, graduate teaching assistant, or guidance counselor.)

[else]

For verification, have you worked as a regular classroom teacher, itinerant teacher, support teacher, teacher's aide, substitute teacher, or student teacher at the K-12 level since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (Indicate "yes" only for teaching positions at elementary or secondary schools. Do not include such positions as preschool teacher, SAT tutor or piano teacher in a non-school setting, graduate teaching assistant, or guidance counselor.)

0 = Have not taught since last interviewed

1 = Yes, currently work as K-12 teacher

2 = Yes, worked as K-12 teacher since last interviewed

Applies To: All respondents.

Recode note: If [selected teaching occupation code for a current position] then B12EEVRTCH = 1; if [selected teaching occupation code for a former position] then B12EEVRTCH = 2; if B12DANYJOBS = 0 and [not identified as a current or former teacher in B&B:08/09 student interview] then B12EEVRTCH = 0.

Source: B&B:08/12 Full-scale Student Interview

B12EPREPAR

Prepared for a K-12 teaching career

Have you done anything to prepare for a teaching career at the K-12 level? Please only include formal preparations, such as taking courses to complete an

education degree, taking a certification exam, or completing a student teaching assignment.

0 = Did not prepare for teaching career

1 = Yes, prepared for teaching career

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview].

Recode note: If [indicated K-12 teaching preparation in B&B:08/09] and B12EEVRTCH not in (1 2) then B12EPREPAR = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECONSID

Currently considering K-12 teaching

Are you currently considering [if B&B:08/09 teaching status = 1} going back into {else} a career in] teaching at the K-12 level?

0 = Not considering a career in teaching

1 = Yes, considering a career in teaching

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements and had not prepared for a teaching position.

Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and B12EPREP4R ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ETCHAPP

Applied for a teaching position

[If B&B:08/09 respondent]

Have you applied for a K-12 teaching position since you were last interviewed in [B&B:08/09 interview date]? [else if BA completion date not missing]

Have you applied for a K-12 teaching position since completing your bachelor's degree requirements in [BA completion date]? [else]

Have you applied for a K-12 teaching position since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008)?

0 = Did not apply for teaching position

1 = Yes, applied for teaching position

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and

(B12EPREP4R = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EPREF

Reason didn't apply for a teaching position: preferred other career
What are the reasons you did not apply for a teaching position?

Preferred a different career

0 = Not because preferred other career

1 = Yes, because preferred other career

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had not applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREP4R = 1 or B12ECONSID = 1) and B12ETCHAPP ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ETCHNO

Reason didn't apply for a teaching position: did not like teaching
What are the reasons you did not apply for a teaching position?

Decided you did not like teaching

0 = Not because disliked teaching

1 = Yes, because disliked teaching

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had not applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREP4R = 1 or B12ECONSID = 1) and B12ETCHAPP ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EAPCOMP

Reason didn't apply for a teaching position: application difficult
What are the reasons you did not apply for a teaching position?

Application process too difficult

0 = Not because of difficult application

1 = Yes, because of difficult application

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had not applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a

teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREP4R = 1 or B12ECONSID = 1) and B12ETCHAPP ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EMORED

Reason didn't apply for a teaching position: needed more education

What are the reasons you did not apply for a teaching position?

Needed more education or certification to teach

0 = Not because needed more education

1 = Yes, because needed more education

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had not applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREP4R = 1 or B12ECONSID = 1) and B12ETCHAPP ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EFAM

Reason didn't apply for a teaching position: personal reasons

What are the reasons you did not apply for a teaching position?

Personal reasons or family obligations

0 = Not because of personal reasons

1 = Yes, because of personal reasons

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had not applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREP4R = 1 or B12ECONSID = 1) and B12ETCHAPP ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EMORMON

Reason didn't apply for a teaching position: didn't offer enough money

What are the reasons you did not apply for a teaching position?

Teaching did not offer enough money

0 = Not because did not offer enough money

1 = Yes, because did not offer enough money

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had not applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREPAR = 1 or B12ECONSID = 1) and B12ETCHAPP ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EOTHRSN

Reason didn't apply for a teaching position: other

What are the reasons you did not apply for a teaching position?

Another reason not listed

0 = No other reason

1 = Yes, other reason

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had not applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREPAR = 1 or B12ECONSID = 1) and B12ETCHAPP ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EOFFER

Received offers for teaching positions

Have you received any offers for teaching positions?

0 = Had not received offers

1 = Yes, received offers

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements, had either prepared for a teaching position or were considering teaching, had applied for a teaching position since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and (B12EPREPAR = 1 or B12ECONSID = 1) and B12ETCHAPP = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLFIN

Teaching influences: financial compensation

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Financial compensation

1 = Financial compensation had negative influence

2 = Financial compensation had no influence

3 = Financial compensation had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLPRES

Teaching influences: prestige of occupation

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Prestige of occupation

1 = Prestige of occupation had negative influence

2 = Prestige of occupation had no influence

3 = Prestige of occupation had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLKIDS*Teaching influences: working with kids*

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Working with kids

- 1 = Working with kids had negative influence
- 2 = Working with kids had no influence
- 3 = Working with kids had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLCONT*Teaching influences: opportunity to contribute to society*

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Opportunity to contribute to society

- 1 = Opportunity to contribute had negative influence
- 2 = Opportunity to contribute had no influence
- 3 = Opportunity to contribute had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLACCT*Teaching influences: teacher accountability*

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Teacher accountability for student achievement

- 1 = Teacher accountability had negative influence
- 2 = Teacher accountability had no influence
- 3 = Teacher accountability had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLWKCD*Teaching influences: teachers' working conditions*

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Teachers' working conditions

- 1 = Working conditions had negative influence
- 2 = Working conditions had no influence
- 3 = Working conditions had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLADV

Teaching influences: possibilities for career advancement

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Possibilities for career advancement

- 1 = Possibilities for advancement had negative influence
- 2 = Possibilities for advancement had no influence
- 3 = Possibilities for advancement had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINFLLOAN

Teaching influences: loan forgiveness or financial incentives

[If current or former teacher]

Before you became a teacher, did each of the following factors have a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career?

[else]

Please indicate whether each of the following factors had a negative influence, no influence, or a positive influence on your thinking about whether to pursue a teaching career:

Loan forgiveness or other financial incentives to teach in a high-need subject or location (e.g., science or math, poor urban schools)

- 1 = Loan forgiveness had negative influence
- 2 = Loan forgiveness had no influence
- 3 = Loan forgiveness had positive influence

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements or had prepared for a teaching position or were considering teaching, and did not participate in the abbreviated interview.

Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview] or B12EPREPAR = 1 or B12ECONSID = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECURCRT

Currently certified as K-12 teacher

Are you currently certified to teach at the K-12 level?

- 0 = Not certified at the K-12 level
- 1 = Yes, certified at the K-12 level

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position. Where: [Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPAR = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECRTTYP

Type of teacher certification

What type of teacher certificate do you hold?

- 1 = Regular certificate
- 2 = Certificate requiring additional steps

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; were currently certified to teach; and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPAR = 1) and B12ECURCRT = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECRTMY

Date of teacher certification

In what month and year were you first certified to teach? (Provide your best estimate of the date if you are unsure.)

B12ECRTMY is provided in the YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; currently held a teacher certificate and identified the type of teacher certificate they held; and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPAR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Recode note: If [preloaded B&B:08/09 date first certified to teach not missing] and ([selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPAR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne missing then B12ECRTMY = [preloaded B&B:08/09 date first certified to teach].

Source: B&B:08/12 Full-scale Student Interview

B12ECGENA*Field of teacher certification: elementary education*

In what subject area(s) are you currently certified to teach?

Elementary education (general curriculum in elementary or middle grades)

0 = Not elementary education

1 = Yes, elementary education

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECSPCED*Field of teacher certification: special education*

In what subject area(s) are you currently certified to teach?

Special education

0 = Not special education

1 = Yes, special education

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECART*Field of teacher certification: arts and music*

In what subject area(s) are you currently certified to teach?

Arts and music

0 = Not arts and music

1 = Yes, arts and music

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECENGL*Field of teacher certification: English or language arts*

In what subject area(s) are you currently certified to teach?

English or language arts

0 = Not English or language arts

1 = Yes, English or language arts

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECESL*Field of teacher certification: English as a second language*

In what subject area(s) are you currently certified to teach?

English as a second language (ESL)

0 = Not English as a second language (ESL)

1 = Yes, English as a second language (ESL)

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECFLNG*Field of teacher certification: foreign language*

In what subject area(s) are you currently certified to teach?

Foreign languages

0 = Not foreign languages

1 = Yes, foreign languages

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECHELTH

Field of teacher certification: health or physical education
In what subject area(s) are you currently certified to teach?

Health, physical education

0 = Not health/physical education

1 = Yes, health/physical education

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECMATH

Field of teacher certification: math or computer science
In what subject area(s) are you currently certified to teach?

Mathematics or computer science

0 = Not math or computer science

1 = Yes, math or computer science

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECSCIENCE

Field of teacher certification: natural sciences
In what subject area(s) are you currently certified to teach?

Natural sciences (e.g., biology, chemistry)

0 = Not natural sciences

1 = Yes, natural sciences

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECSOSCI

Field of teacher certification: social sciences
In what subject area(s) are you currently certified to teach?

Social sciences (e.g., social studies, psychology)

0 = Not social sciences

1 = Yes, social sciences

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECVOCCTC

Field of teacher certification: vocational/career/technical
In what subject area(s) are you currently certified to teach?

Vocational, career, or technical education

0 = Not vocational/career/technical

1 = Yes, vocational/career/technical

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECGENB

Field of teacher certification: general secondary education
In what subject area(s) are you currently certified to teach?

General education in middle or secondary grades

0 = Not secondary education

1 = Yes, secondary education

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPÄR = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EMISC*Field of teacher certification: miscellaneous*

In what subject area(s) are you currently certified to teach?

Miscellaneous (driver education, humanities or liberal studies, library or information science, military science or ROTC, philosophy, religious studies, theology, or divinity)

0 = Not a miscellaneous content area

1 = Yes, a miscellaneous content area

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREP&R = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECOTHER*Field of teacher certification: other*

In what subject area(s) are you currently certified to teach?

[If COMPMODE = 0] Other subject area [else] Any other subject area

0 = No other content area

1 = Yes, other content area

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREP&R = 1) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EALTCRT*Entered teaching through an alternative route*

Did you enter teaching through an alternative route to certification? (An example is Teach For America, which is a program designed to recruit non-teachers into the teaching field.)

0 = Not entered teaching through alternative route

1 = Yes, entered teaching through alternative route

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview who currently held a teacher certificate and identified the type of teacher certificate they held and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12ECURCRT = 1 and B12ECRTTYP ne -9 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECRTCRS*Took courses toward teacher certification*

[If B&B:08/09 respondent]

Since you were last interviewed in [B&B:08/09 interview date], have you taken, or are you now taking, courses to prepare for teacher certification at the K-12 level?

[else if BA completion date not missing]

Since completing your bachelor's degree requirements in [BA completion date], have you taken, or are you now taking, courses to prepare for teacher certification at the K-12 level?

[else]

Since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008), have you taken, or are you now taking, courses to prepare for teacher certification at the K-12 level?

0 = Had not taken courses for certification

1 = Yes, had taken courses for certification

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who did not hold a regular teacher certificate and did not have a preloaded teaching major and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREP&R = 1) and B12ECRTTYP ne 1 and [no preloaded teaching major] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESTCOMP*Completed student teaching or practicum*

[If B&B:08/09 respondent]

Since [B&B:08/09 interview date], have you completed, or are you now completing, a student teaching assignment or a teacher practicum?

[else if BA completion date not missing]

Since [BA completion date], have you completed, or are you now completing, a student teaching assignment or a teacher practicum?

[else]

Since completing your bachelor's degree requirements, have you completed, or are you now completing, a student teaching assignment or a teacher practicum?

0 = Not completing student teaching

1 = Yes, completing student teaching

Applies To: Respondents who either reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position; who did not hold a regular teacher certificate and did not have a preloaded teaching major and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREP&R = 1) and B12ECRTTYP ne 1 and [no preloaded teaching major] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EJBTP01

K-12 job 1: teacher type

[If not identified as a teacher in B&B:08/09 student interview]

What type of K-12 teaching position did you have when you first started working as a teacher after completing your bachelor's degree requirements in [{if BA completion date not missing} [BA completion date] {else} the 2007–08 school year (July 1, 2007 - June 30, 2008)]? (If you are still in this same position, the next few questions ask you to think about your job when you first started teaching.)

[else]

What was the first type of K-12 teaching position you held after you were interviewed in [B&B:08/09 interview date]?

- 1 = Regular classroom teacher (full- or part-time)
- 2 = Itinerant teacher
- 3 = Support teacher
- 4 = Teacher's aide
- 5 = Substitute, short-term
- 6 = Substitute, long-term
- 7 = Student teacher
- 8 = Other teaching position

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview and did not participate in the abbreviated interview. *Where:* [Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EJBVER01

K-12 job 1: previously described

[If COMPMODE = 0]

If your teaching position was one of the jobs you told us about earlier, please select it from the list below.

[else COMPMODE = 1 and 1 job in job loop]

Is your teaching job the same as the job you described earlier?

[else]

Is your teaching job the same as one of the jobs you described earlier?

- 1 = Teaching job 1 linked to employer 1 starting job
- 2 = Teaching job 1 linked to employer 1 ending job
- 3 = Teaching job 1 linked to employer 2 starting job
- 4 = Teaching job 1 linked to employer 2 ending job
- 5 = Teaching job 1 linked to employer 3 starting job
- 6 = Teaching job 1 linked to employer 3 ending job
- 7 = Teaching job 1 linked to employer 4 starting job

8 = Teaching job 1 linked to employer 4 ending job

9 = Teaching job 1 linked to employer 5 starting job

10 = Teaching job 1 linked to employer 5 ending job

11 = Teaching job 1 linked to employer 6 starting job

12 = Teaching job 1 linked to employer 6 ending job

13 = Teaching job 1 linked to employer 7 starting job

14 = Teaching job 1 linked to employer 7 ending job

15 = Teaching job 1 linked to employer 8 starting job

16 = Teaching job 1 linked to employer 8 ending job

17 = Teaching job 1 linked to employer 9 starting job

18 = Teaching job 1 linked to employer 9 ending job

19 = Teaching job 1 linked to employer 10 starting job

20 = Teaching job 1 linked to employer 10 ending job

99 = Not associated with any of the jobs listed above

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview, had been employed since completing their bachelor's degree requirements, and did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12DANYJOBS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESMSC01

K-12 job 1: held additional K-12 job

In addition to working as [B12EJBTP01] at [teaching position 1: school or district], have you held any other K-12 teaching positions [{if B&B:08/09 respondent} since you were last interviewed in [B&B:08/09 interview date] {else if BA completion date not missing} since completing your bachelor's degree requirements in [BA completion date] {else} since completing your bachelor's degree requirements in the 2007–08 school year (July 1, 2007 - June 30, 2008)]? (If you have held multiple K-12 teaching positions, please report them in chronological order.)

0 = No additional teaching position

1 = Same type of teacher in different school 1

2 = Different type of teacher at same school 1

3 = Different type of teacher in different school 1

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview and did not participate in the abbreviated interview. *Where:* [Selected a teaching occupation code

for a current or former position] or B12EEVRTCH in (1 2) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Loops 2 – 7 have not been included in the facsimile.

B12ESTWK01

K-12 job 1: currently working

Are you currently working for [teaching position 1: school or district] as [B12EJBTP01]?

0 = Not working in teaching position 1

1 = Yes, working in teaching position 1

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and B12ESMSC01 in (1 3) and B12ESTWK01 ne 1 and ABBREV ne 1.

Recode note: If B12EEDMY01 > 0 then

B12ESTWK01 = 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESAL01

K-12 job 1: left school/district because salary/benefits inadequate

Why did you leave [teaching position 1: school or district] to become [B12EJBTP01] somewhere else?

Salary and/or benefits were inadequate

0 = Not because inadequate salary/benefits

1 = Yes, because inadequate salary/benefits

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who later taught in a different school or district; who were not still working in their first reported K-12 teaching position; and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and B12ESMSC01 in (1 3) and B12ESTWK01 ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ETRAN01

K-12 job 1: left school/district because laid off or transferred

Why did you leave [teaching position 1: school or district] to become [B12EJBTP01] somewhere else?

Laid off or involuntarily transferred

0 = Not because laid off or transferred

1 = Yes, because laid off or transferred

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who later taught in a different school or district; who were not still working in their first reported K-12 teaching position; and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and B12ESMSC01 in (1 3) and B12ESTWK01 ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EPERS01

K-12 job 1: left school/district because of personal reasons

Why did you leave [teaching position 1: school or district] to become [B12EJBTP01] somewhere else?
Personal life reasons (e.g., health reasons, to care for child(ren), time to retire, change in residence)

0 = Not for personal reasons

1 = Yes, for personal reasons

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who later taught in a different school or district; who were not still working in their first reported K-12 teaching position; and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and B12ESTWK01 ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECOND01

K-12 job 1: left school/district because dissatisfied with conditions

Why did you leave [teaching position 1: school or district] to become [B12EJBTP01] somewhere else?

Dissatisfied with workplace conditions (e.g., grade level or subject area, facilities, classroom resources, school safety, student discipline, administration)

0 = Not dissatisfied with conditions

1 = Yes, dissatisfied with conditions

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who later taught in a different school or district; who were not still working in their first reported K-12 teaching position; and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and B12ESTWK01 ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ELVOT01

K-12 job 1: left school/district because of other reasons

Why did you leave [teaching position 1: school or district] to become [B12EJBTP01] somewhere else?

[If COMPMODE = 0] Other reason(s) [else] Any other reason(s)

0 = Not for other reasons

1 = Yes, for other reasons

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who later taught in a different school or district; who were not still working in their first reported K-12 teaching position; and did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and B12ESTWK01 ne 1 and ABBREV ne 1.

Appendix F. Facsimiles

Source: B&B:08/12 Full-scale Student Interview

B12EJEMY01

K-12 job 1: start date

In what month and year did you begin this position as [B12EJBTPO1] at [teaching position 1: school or district]?

B12EJEMY01 is provided in the YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Recode note: If B12EJBVER01 = 1 and [verified starting date for first reported K-12 teaching position] then B12EJEMY01 = B12DEMPSTMY01; else if B12EJBVER01 = 3 and [verified starting date for first reported K-12 teaching position] then B12EJEMY01 = B12DEMPSTMY02; else if B12EJBVER01 = 5 and [verified starting date for first reported K-12 teaching position] then B12EJEMY01 = B12DEMPSTMY03...else if B12EJBVER01 = 19 and [verified starting date for first reported K-12 teaching position] then B12EJEMY01 = B12DEMPSTMY10.

Source: B&B:08/12 Full-scale Student Interview

B12ECNTY01

K-12 job 1: itinerant teaching location: county

When you first started working as an itinerant teacher, in what county, school district, and state were you working?

County

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was as an itinerant teacher and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 = 2 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EDIST01

K-12 job 1: itinerant teaching location: district

When you first started working as an itinerant teacher, in what county, school district, and state were you working?

School district

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was as an itinerant teacher and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 = 2 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESTE01

K-12 job 1: itinerant teaching location: state

When you first started working as an itinerant teacher, in what county, school district, and state were you working?

State

1	= Alabama	32	= New Mexico
2	= Alaska	33	= New York
3	= Arizona	34	= North Carolina
4	= Arkansas	35	= North Dakota
5	= California	36	= Ohio
6	= Colorado	37	= Oklahoma
7	= Connecticut	38	= Oregon
8	= Delaware	39	= Pennsylvania
9	= District of Columbia	40	= Rhode Island
10	= Florida	41	= South Carolina
11	= Georgia	42	= South Dakota
12	= Hawaii	43	= Tennessee
13	= Idaho	44	= Texas
14	= Illinois	45	= Utah
15	= Indiana	46	= Vermont
16	= Iowa	47	= Virginia
17	= Kansas	48	= Washington
18	= Kentucky	49	= West Virginia
19	= Louisiana	50	= Wisconsin
20	= Maine	51	= Wyoming
21	= Maryland	52	= Puerto Rico
22	= Massachusetts	54	= American Samoa
23	= Michigan	55	= Guam
24	= Minnesota	56	= Fed State Micronesia
25	= Mississippi	57	= Marshall Islands
26	= Missouri	58	= Northern Mariana Islands
27	= Montana	59	= Palau
28	= Nebraska	60	= U.S. Virgin Islands
29	= Nevada	63	= FOREIGN COUNTRY (other than Mexico and Canada)
30	= New Hampshire		
31	= New Jersey		

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was as an itinerant teacher and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 = 2 and ABBREV ne 1.

Recode note: If B12EJBVER01 in (1 2) and B12EJBTPO1 = 2 and B12DEMPST01 > 0 then B12ESTE01 = B12DEMPST01; else if B12EJBVER01 in (3 4) and B12EJBTPO1 = 2 and B12DEMPST02 > 0 then B12ESTE01 = B12DEMPST02; else if B12EJBVER01 in (5 6) and B12EJBTPO1 = 2 and B12DEMPST03 > 0 then B12ESTE01 = B12DEMPST03...else if B12EJBVER01 in (19 20) and B12EJBTPO1 = 2 and B12DEMPST10 > 0 then B12ESTE01 = B12DEMPST10.

Source: B&B:08/12 Full-scale Student Interview

B12EJBSC01

K-12 job 1: public or private school

[If B12ESTWK01 = 1]

Do you work for a public or private school?
[else]

Did you work for a public or private school in that position as [B12EJBTP01]?

1 = Public (including charter and magnet schools)

2 = Private

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (2 4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESCOD01

K-12 job 1: elementary/secondary school number

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]

Please bear with me as I code this.

El/Sec number.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, this information comes from the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (2 4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESCH01

K-12 job 1: school name

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]

Please bear with me as I code this.

School name.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools using B12ESCOD01; otherwise, this information is provided by the respondent.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant

teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESCIT01

K-12 job 1: school city

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]

Please bear with me as I code this.

City.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools using B12ESCOD01; otherwise, this information is provided by the respondent.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESTAT01

K-12 job 1: school state

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]

Please bear with me as I code this.

State.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools using B12ESCOD01; otherwise, this information is provided by the respondent.

Appendix F. Facsimiles

1 = Alabama	32 = New Mexico
2 = Alaska	33 = New York
3 = Arizona	34 = North Carolina
4 = Arkansas	35 = North Dakota
5 = California	36 = Ohio
6 = Colorado	37 = Oklahoma
7 = Connecticut	38 = Oregon
8 = Delaware	39 = Pennsylvania
9 = District of Columbia	40 = Rhode Island
10 = Florida	41 = South Carolina
11 = Georgia	42 = South Dakota
12 = Hawaii	43 = Tennessee
13 = Idaho	44 = Texas
14 = Illinois	45 = Utah
15 = Indiana	46 = Vermont
16 = Iowa	47 = Virginia
17 = Kansas	48 = Washington
18 = Kentucky	49 = West Virginia
19 = Louisiana	50 = Wisconsin
20 = Maine	51 = Wyoming
21 = Maryland	52 = Puerto Rico
22 = Massachusetts	54 = American Samoa
23 = Michigan	55 = Guam
24 = Minnesota	56 = Fed State Micronesia
25 = Mississippi	57 = Marshall Islands
26 = Missouri	58 = Northern Mariana Islands
27 = Montana	59 = Palau
28 = Nebraska	60 = U.S. Virgin Islands
29 = Nevada	63 = Foreign country
30 = New Hampshire	
31 = New Jersey	

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESDST01

K-12 job 1: school district

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]
Please bear with me as I code this.

District Name.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private

schools or Common Core of Data (CCD) for public schools using B12ESCOD05; otherwise, this information is provided by the respondent.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESCNT01

K-12 job 1: school county

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]
Please bear with me as I code this.

County Name.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools using B12ESCOD01; otherwise, this information is provided by the respondent.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESTYP01

K-12 job 1: school control

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]
Please bear with me as I code this.

Is this school a...

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools using B12ESCOD01; otherwise, this information is provided by the respondent.

- 1 = School/county public school
- 2 = A private Catholic school
- 3 = A private school--other religious affiliation
- 4 = A private school--no religious affiliation
- 5 = State/federal public school
- 6 = Other (charter school, hospital school)

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESGLO01

K-12 job 1: lowest grade offered at school

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]

Please bear with me as I code this.

Lowest grade level at school.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools using B12ESCOD01; otherwise, this information is provided by the respondent.

0 = Kindergarten

1 = 1

2 = 2

3 = 3

4 = 4

5 = 5

6 = 6

7 = 7

8 = 8

9 = 9

10 = 10

12 = 12

13 = Ungraded

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESGHI01

K-12 job 1: highest grade offered at school

What is the name of the school, and in what city and state is it located?

[COMPMode = 1 get the following instruction]

Please bear with me as I code this.

Highest grade level at school.

NOTE: If the institution is successfully coded using the elementary/secondary school coder in the B&B:08/12 student interview, a -3 is stored for this variable, which can be determined by matching to the Private School Universe Survey (PSS) for private schools or Common Core of Data (CCD) for public schools using B12ESCOD01; otherwise, this information is provided by the respondent.

0 = Kindergarten

1 = 1

2 = 2

3 = 3

4 = 4

5 = 5

6 = 6

7 = 7

8 = 8

9 = 9

10 = 10

12 = 12

13 = Ungraded

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as an itinerant teacher, teacher's aide, short-term substitute, or student teacher; who did not select a valid elementary/secondary school number for the teaching position 1 school; and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (2 4 5 7) and B12ESCOD01 in (999995 999996 999997 999998 999999) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECODUP01

K-12 job 1: school coded after interview

Respondents entered text strings for school name, city and state, then attempted to select the corresponding school using the elementary/secondary school coder built into the instrument. In some cases, respondents did not select a school in the coder. Survey contractor staff

attempted to code these schools and when they were able to do so, this flag was set to 1.

0 = Not upcoded

1 = Yes, upcoded

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12EJBF01

K-12 job 1: hours worked per week

How many hours per week [{if B12ESTWK01 = 1} do {else} did] you work in your position as [B12EJBT01] for [teaching position 1: school or district]?

Values of 0 were replaced with a -6 to indicate the value was out of range.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBT01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EJBFT01

K-12 job 1: full-time or part-time

[{If B12ESTWK01 = 1} Is {else} Was] your position as [B12EJBT01] for [teaching position 1: school or district] a full-time or part-time position?

1 = Full-time

2 = Part-time

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBT01 not in (4 5 7) and ABBREV ne 1.

Recode note: If B12EJBF01 < 30 then B12EJBFT01 = 2; if B12EJBF01 > 39 then B12EJBFT01 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ETCHMS01

K-12 job 1: months per year

[If B12ESTWK01 = 1]

How many months per year do you work in this job?
[else]

How many months per year did you work in this job?

1 = 1

2 = 2

3 = 3

4 = 4

5 = 5

6 = 6

7 = 7

8 = 8

9 = 9

10 = 10

11 = 11

12 = 12

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or

B12EEVRTCH in (1 2)) and B12EJBT01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EJBSAMT01

K-12 job 1: starting salary amount

[If B12ESTWK01 = 1]

In this position as [B12EJBT01] for [teaching position 1: school or district], what was your starting salary and what is your current salary?

[else]

In this position as [B12EJBT01] for [teaching position 1: school or district], what was your starting salary and what was your most recent salary?

Starting salary

This question was asked in two parts: respondents were asked to provide a salary dollar amount

(B12EJBSAMT01) and then indicate the time frame for that salary (B12EJBSTIM01). Therefore, this variable includes salary amounts reported in hourly, weekly, monthly, and yearly amounts. These data must be combined with the accompanying time frame data for this job in order to be analyzed.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBT01 not in (4 5 7) and ABBREV ne 1.

Recode note: If B12EJBVER01 in (1 2) and B12EJBT01 not in (4 5 7) then B12EJBSAMT01 = B12DEMPAMT01; else if B12EJBVER01 in (3 4) and B12EJBT01 not in (4 5 7) then B12EJBSAMT01 = B12DEMPAMT02; else if B12EJBVER01 in (5 6) and B12EJBT01 not in (4 5 7) then B12EJBSAMT01 = B12DEMPAMT03...else B12EJBVER01 in (19 20) and B12EJBT01 not in (4 5 7) then B12EJBSAMT01 = B12DEMPAMT10.

Source: B&B:08/12 Full-scale Student Interview

B12EJBSTIM01

K-12 job 1: starting salary timeframe

[If B12ESTWK01 = 1]

In this position as [B12EJBT01] for [teaching position 1: school or district], what was your starting salary and what is your current salary?

[else]

In this position as [B12EJBT01] for [teaching position 1: school or district], what was your starting salary and what was your most recent salary?

1 = Per hour

2 = Per week

3 = Per month

4 = Per year

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's

aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Recode note: If B12EJBVER01 in (1 2) and B12EJTP01 not in (4 5 7) then B12EJBSTIM01 = B12DEMPTIM01; else if B12EJBVER01 in (3 4) and B12EJTP01 not in (4 5 7) then B12EJBSTIM01 = B12DEMPTIM02; else if B12EJBVER01 in (5 6) and B12EJTP01 not in (4 5 7) then B12EJBSTIM01 = B12DEMPTIM03...else B12EJBVER01 in (19 20) and B12EJTP01 not in (4 5 7) then B12EJBSTIM01 = B12DEMPTIM10.

Source: B&B:08/12 Full-scale Student Interview

B12EJBEAMT01

K-12 job 1: ending salary amount

[If B12ESTWK01 = 1]

In this position as [B12EJTP01] for [teaching position 1: school or district], what was your starting salary and what is your current salary?

[else]

In this position as [B12EJTP01] for [teaching position 1: school or district], what was your starting salary and what was your most recent salary?

[{If B12ESTWK01 = 1} Current {else} Most recent] salary

This question was asked in two parts: respondents were asked to provide a salary dollar amount

(B12EJBEAMT01) and then indicate the time frame for that salary (B12EJBETIM01). Therefore, this variable includes salary amounts reported in hourly, weekly, monthly, and yearly amounts. These data must be combined with the accompanying time frame data for this job in order to be analyzed.

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Recode note: If B12EJBVER01 in (1 2) and B12EJTP01 not in (4 5 7) then B12EJBEAMT01 = B12DEMPAMT201; else if B12EJBVER01 in (3 4) and B12EJTP01 not in (4 5 7) then B12EJBEAMT01 = B12DEMPAMT202; else if B12EJBVER01 in (5 6) and B12EJTP01 not in (4 5 7) then B12EJBEAMT01 = B12DEMPAMT203...else B12EJBVER01 in (19 20) and B12EJTP01 not in (4 5 7) then B12EJBEAMT01 = B12DEMPAMT210.

Source: B&B:08/12 Full-scale Student Interview

B12EJBETIM01

K-12 job 1: ending salary timeframe

[If B12ESTWK01 = 1]

In this position as [B12EJTP01] for [teaching position 1: school or district], what was your starting salary and what is your current salary?

[else]

In this position as [B12EJTP01] for [teaching position 1: school or district], what was your starting salary and what was your most recent salary?

1 = Per hour

2 = Per week

3 = Per month

4 = Per year

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Recode note: If B12EJBVER01 in (1 2) and B12EJTP01 not in (4 5 7) then B12EJBETIM01 = B12DEMPTIM201; else if B12EJBVER01 in (3 4) and B12EJTP01 not in (4 5 7) then B12EJBETIM01 = B12DEMPTIM202; else if B12EJBVER01 in (5 6) and B12EJTP01 not in (4 5 7) then B12EJBETIM01 = B12DEMPTIM203...else B12EJBVER01 in (19 20) and B12EJTP01 not in (4 5 7) then B12EJBETIM01 = B12DEMPTIM210.

Source: B&B:08/12 Full-scale Student Interview

B12EBNGT01

K-12 job 1: any benefits

[If B12ESTWK01 = 1]

In addition to salary, does your employer in your position as [B12EJTP01] for [teaching position 1: school or district] offer you any additional benefits such as health insurance, retirement, paid vacation or holidays, etc.?

[else]

In addition to salary, did your employer in your position as [B12EJTP01] for [teaching position 1: school or district] offer you any additional benefits such as health insurance, retirement, paid vacation or holidays, etc.?

0 = No additional benefits

1 = Yes, additional benefits

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who were not self-employed in the associated occupation; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and [not self-employed in the associated occupation] and ABBREV ne 1.

Recode note: If B12EJBVER01 in (1 2) and B12EJTP01 not in (4 5 7) then B12EBNGT01 = B12DBENANY01; else if B12EJBVER01 in (3 4) and

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B12EJBTP01 not in (4 5 7) then B12EBNGT01 =
B12DBENANY02...else if B12EJBVER01 in (19 20)
and B12EJBTP01 not in (4 5 7) then B12EBNGT01 =
B12DBENANY10.

Source: B&B:08/12 Full-scale Student Interview

B12EGRLO01

K-12 job 1: lowest grade level taught

[If B12ESTWK01 = 1]

What are the lowest and highest grades that you teach?
(If you only teach one grade level, please select the same grade level for both the lowest and highest grades.)

[else]

What were the lowest and highest grades you taught in that position as [B12EJBTP01]? (If you only taught one grade level, please select the same grade level for both the lowest and highest grades.)

Lowest grade level

- 0 = Kindergarten
- 1 = First grade
- 2 = Second grade
- 3 = Third grade
- 4 = Fourth grade
- 5 = Fifth grade
- 6 = Sixth grade
- 7 = Seventh grade
- 8 = Eighth grade
- 9 = Ninth grade
- 10 = Tenth grade
- 11 = Eleventh grade
- 12 = Twelfth grade

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EGRHI01

K-12 job 1: highest grade level taught

[If B12ESTWK01 = 1]

What are the lowest and highest grades that you teach?
(If you only teach one grade level, please select the same grade level for both the lowest and highest grades.)

[else]

What were the lowest and highest grades you taught in that position as [B12EJBTP01]? (If you only taught one grade level, please select the same grade level for both the lowest and highest grades.)

Highest grade level

- 0 = Kindergarten
- 1 = First grade
- 2 = Second grade

- 3 = Third grade
- 4 = Fourth grade
- 5 = Fifth grade
- 6 = Sixth grade
- 7 = Seventh grade
- 8 = Eighth grade
- 9 = Ninth grade
- 10 = Tenth grade
- 11 = Eleventh grade
- 12 = Twelfth grade

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EGRUN01

K-12 job 1: taught ungraded students

[If B12ESTWK01 = 1]

What are the lowest and highest grades that you teach?
(If you only teach one grade level, please select the same grade level for both the lowest and highest grades.)

[else]

What were the lowest and highest grades you taught in that position as [B12EJBTP01]? (If you only taught one grade level, please select the same grade level for both the lowest and highest grades.)

[{If B12ESTWK01 = 1} Teach {else} Taught]

ungraded students

- 0 = Did not teach ungraded students
- 1 = Yes, taught ungraded students

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EGENA01

K-12 job 1: subjects taught included elementary education

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTP01]?

Elementary education (general curriculum in elementary or middle grades)

- 0 = Did not teach elementary education
- 1 = Yes, taught elementary education

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not

participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESPED01

K-12 job 1: subjects taught included special education

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTPO1]?

Special education

0 = Did not teach special education

1 = Yes, taught special education

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EART01

K-12 job 1: subjects taught included arts and music

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTPO1]?

Arts and music

0 = Did not teach arts and music

1 = Yes, taught arts and music

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EENG01

K-12 job 1: subjects taught included English or language arts

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTPO1]?

English or language arts

0 = Did not teach English or language arts

1 = Yes, taught English or language arts

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not

participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EESL01

K-12 job 1: subjects taught included English as a second language

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTPO1]?

English as a second language (ESL)

0 = Did not teach English as second language

1 = Yes, taught English as second language

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EFLN01

K-12 job 1: subjects taught included foreign languages

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTPO1]?

Foreign languages

0 = Did not teach foreign languages

1 = Yes, taught foreign languages

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EHPE01

K-12 job 1: subjects taught included health or physical education

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTPO1]?

Health, physical education

0 = Did not teach health/physical education

1 = Yes, taught health/physical education

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's

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aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EMTH01

K-12 job 1: subjects taught included math or computer science [If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJTP01]?

Mathematics or computer science

0 = Did not teach math or computer science

1 = Yes, taught math or computer science

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESCI01

K-12 job 1: subjects taught included natural sciences [If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJTP01]?

Natural sciences (e.g., biology, chemistry)

0 = Did not teach natural sciences

1 = Yes, taught natural sciences

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ESOC01

K-12 job 1: subjects taught included social sciences [If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJTP01]?

Social sciences (e.g., social studies, psychology)

0 = Did not teach social sciences

1 = Yes, taught social sciences

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EVOC01

K-12 job 1: subjects taught included vocational/career/technical [If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJTP01]?

Vocational, career, or technical education

0 = Did not teach vocational/career

1 = Yes, taught vocational/career

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EGENB01

K-12 job 1: subjects taught included general secondary education [If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJTP01]?

General education in middle or secondary grades

0 = Did not teach secondary education

1 = Yes, taught secondary education

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJTP01 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EMISC01

K-12 job 1: subjects taught included miscellaneous [If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJTP01]?

Miscellaneous (e.g., driver education, humanities or liberal studies, library or information science, military science or ROTC, philosophy, religious studies, theology, or divinity)

0 = Did not teach miscellaneous subjects

1 = Yes, taught miscellaneous subjects

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EOTH01

K-12 job 1: subjects taught included other

[If B12ESTWK01 = 1]

What subjects do you teach?

[else]

What subjects did you teach in that position as [B12EJBTPO1]?

[If COMPMODE = 0] Other subject [else] Any other subject

0 = Did not teach other subjects

1 = Yes, taught other subjects

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EJBPR01

K-12 job 1: felt prepared to teach subjects

[If B12ESTWK01 = 1]

Do you feel adequately prepared to teach all of the subjects that you teach?

[else]

Did you feel adequately prepared to teach all of the subjects you taught in that position as [B12EJBTPO1]?

0 = Did not feel prepared to teach subjects

1 = Yes, felt prepared to teach subjects

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who reported in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [identified as a teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EINT01

First K-12 job: participated in a teacher internship program

In your first teaching job, did you participate in a teacher internship program? (By "teacher internship program" we mean a program in which you complete your teacher preparation coursework during your first

year or two of teaching after receiving a bachelor's degree. Internship programs provide coursework and support from college or district faculty and result in a regular teaching certificate.)

0 = Did not have teacher internship

1 = Yes, had teacher internship

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EIND01

First K-12 job: participated in teacher induction/mentor program

In your first teaching job, did you participate in a formal teacher induction program in which you were assigned a mentor teacher who provided guidance to you in your job?

0 = Did not participate in teacher induction

1 = Yes, participated in teacher induction

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EDSCP01

First K-12 job: felt prepared for classroom management

In your first teaching job, did you feel adequately prepared to...

Handle a range of classroom management or discipline situations?

0 = Not prepared for classroom management

1 = Yes, prepared for classroom management

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

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Source: B&B:08/12 Full-scale Student Interview

B12EINVR01

First K-12 job: felt prepared to use variety of methods

In your first teaching job, did you feel adequately prepared to...

Use a variety of instructional methods?

0 = Not prepared with instructional methods

1 = Yes, prepared with instructional methods

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ETCH01

First K-12 job: felt prepared to teach subject matter

In your first teaching job, did you feel adequately prepared to...

Teach your subject matter?

0 = Not prepared to teach subject matter

1 = Yes, prepared to teach subject matter

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EDISC01

First K-12 job: received help with student discipline

In your first teaching job, did you receive help from your school or school district in...

Disciplining students?

0 = Did not get help disciplining students

1 = Yes, got help disciplining students

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Source: B&B:08/12 Full-scale Student Interview

B12EMTHD01

First K-12 job: received help with instructional methods

In your first teaching job, did you receive help from your school or school district in...

Selecting and implementing appropriate instructional methods and curriculum?

0 = Did not get help selecting curriculum

1 = Yes, got help selecting curriculum

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECMNT01

First K-12 job: received help with parents/ community

In your first teaching job, did you receive help from your school or school district in...

Working with parents and the community?

0 = Did not get help with parents/community

1 = Yes, got help with parents/community

Applies To: Respondents whose first reported K-12 teaching position in the B&B:08/12 interview was not as a teacher's aide, short-term substitute, or student teacher; who did not report in the B&B:08/09 interview that they had held a K-12 teaching position; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12EJBTPO1 not in (4 5 7) and [not identified as a current or former teacher in B&B:08/09 student interview] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EEDMY01

K-12 job 1: ending date

[If B12EJBTPO1 = 2]

In what month and year did you leave your position as an itinerant teacher for [district name]? (Please select both a month and a year from the dropdowns.)

[else if B12EJBTPO1 in (1 3 6 8)]

In what month and year did you leave your position as [B12EJBTPO1] at [school name]? (Please select both a month and a year from the dropdowns.)

[else]

In what month and year did you leave your position as [B12EJBTPO1]? (Please select both a month and a year from the dropdowns.)

B12EEDMY01 is provided in the YYYYMM format. Month values of 00 indicate a missing month. Dates prior to July 2007 (200707) and dates prior to B12EJEMY01 were replaced with a -6 to indicate the value was out of range.

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview, were not currently working in the first reported K-12 teaching position, and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and B12ESTWK01 ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Loops 2 – 7 have not been included in the facsimile.

B12EMOVE

Plan to move into non-teaching job in K-12 education

[If current teacher or B12ESTWK* = 1]

How likely do you think it is that you will move into a non-teaching job in elementary or secondary education (e.g., administrator or school counselor)?

[else]

How likely do you think it is that you will move into or continue in a non-teaching job in elementary or secondary education (e.g., administrator or school counselor)?

1 = Not at all likely to move to non-teaching K-12 job

2 = Somewhat likely to move to non-teaching K-12 job

3 = Likely to move to non-teaching K-12 job

4 = Very likely to move to non-teaching K-12 job

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview that was not as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. *Where:* ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2)) and [B12EJBT** not in (4 5 7) for at least one iteration] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ELVTRSF

Reasons left teaching: transferred

Why did you leave teaching?

Involuntarily transferred

0 = Not because involuntarily transferred

1 = Yes, because involuntarily transferred

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. *Where:* [Former teacher] and [no iteration where

B12ESTWK** = 1] and [B12EJBT** not in (4 5 7) for at least one iteration] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ELVSAL

Reasons left teaching: inadequate salary and/or benefits

Why did you leave teaching?

Salary and/or benefits were inadequate

0 = Not because inadequate salary/benefits

1 = Yes, because inadequate salary/benefits

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. *Where:* [Former teacher] and [no iteration where B12ESTWK** = 1] and [B12EJBT** not in (4 5 7) for at least one iteration] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ELVPERS

Reasons left teaching: personal life reasons

Why did you leave teaching?

Personal life reasons (e.g., health reasons, to care for child(ren), time to retire, change in residence)

0 = Not because of personal life reasons

1 = Yes, because of personal life reasons

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. *Where:* [Teacher status] = 2 and [no iteration where B12ESTWK** = 1] and [B12EJBT** not in (4 5 7) for at least one iteration] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ELVCOND

Reasons left teaching: dissatisfied with workplace conditions

Why did you leave teaching?

Dissatisfied with workplace conditions (e.g., grade level or subject area, facilities, classroom resources, school safety, student discipline, administration)

0 = Not because of workplace conditions

1 = Yes, because of workplace conditions

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. *Where:* [Former teacher] and [no iteration where B12ESTWK** = 1] and [B12EJBT** not in (4 5 7) for at least one iteration] and ABBREV ne 1.

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Source: B&B:08/12 Full-scale Student Interview

B12ELVCAR

Reasons left teaching: dissatisfied with teaching career

Why did you leave teaching?

Dissatisfied with teaching as a career or wanted to pursue another career

0 = Not because wanted another career

1 = Yes, because wanted another career

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: [Former teacher] and [no iteration where B12ESTWK** = 1] and [B12EJBTP** not in (4 5 7) for at least one iteration] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ELVSCHL

Reasons left teaching: return to school

Why did you leave teaching?

Return to school

0 = Not to return to school

1 = Yes, to return to school

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: [Former teacher] and [no iteration where B12ESTWK** = 1] and [B12EJBTP** not in (4 5 7) for at least one iteration] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ELVLAID

Reasons left teaching: laid off

Why did you leave teaching?

Laid off

0 = Not because laid off

1 = Yes, because laid off

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: [Former teacher] and [no iteration where B12ESTWK** = 1] and [B12EJBTP** not in (4 5 7) for at least one iteration] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ELVOTH

Reasons left teaching: other

Why did you leave teaching?

[If COMPMODE = 0] Other reason(s) [else] Any other reason(s)

0 = Not for other reasons

1 = Yes, for other reasons

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: [Former teacher] and [no iteration where B12ESTWK** = 1] and [B12EJBTP** not in (4 5 7) for at least one iteration] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ESTDISP

Teacher satisfaction: student discipline

[If current teacher]

In your current teaching position, are you satisfied with each of the following...

[else]

In your most recent teaching position, were you satisfied with each of the following...

Student discipline and behavior?

0 = Not satisfied with student discipline

1 = Yes, satisfied with student discipline

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [Identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBTP** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ECLSIZE

Teacher satisfaction: class size

[If current teacher]

In your current teaching position, are you satisfied with each of the following...

[else]

In your most recent teaching position, were you satisfied with each of the following...

Class size(s)?

0 = Not satisfied with class size

1 = Yes, satisfied with class size

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1

2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBTP** in (4 5 7)] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EPNTSUP

Teacher satisfaction: support from students' parents

[If current teacher]

In your current teaching position, are you satisfied with each of the following...

[else]

In your most recent teaching position, were you satisfied with each of the following...

The support you receive from students' parents?

0 = Not satisfied with parent support

1 = Yes, satisfied with parent support

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBTP** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12EADMSUP

Teacher satisfaction: support from administrators

[If current teacher]

In your current teaching position, are you satisfied with each of the following...

[else]

In your most recent teaching position, were you satisfied with each of the following...

The support you receive from administrators?

0 = Not satisfied with administrator support

1 = Yes, satisfied with administrator support

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBTP** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ESOCSUP

Teacher satisfaction: relationships with supervisors

[If current teacher]

In your current teaching position, are you satisfied with each of the following...

[else]

In your most recent teaching position, were you satisfied with each of the following...

Your relationships with supervisors?

0 = Not satisfied with relationships with supervisors

1 = Yes, satisfied with relationships with supervisors

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBTP** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ETCIEFF

Teacher satisfaction: effectiveness as a teacher

[If current teacher]

In your current teaching position, are you satisfied with each of the following...

[else]

In your most recent teaching position, were you satisfied with each of the following...

Your effectiveness as a teacher?

0 = Not satisfied with effectiveness as a teacher

1 = Yes, satisfied with effectiveness as a teacher

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBTP** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ESOCSUPCL

Teacher satisfaction: relationships with colleagues

[If current teacher]

In your current teaching position, are you satisfied with each of the following...

[else]

In your most recent teaching position, were you satisfied with each of the following...

Your relationships with colleagues?

0 = Not satisfied with relationships with colleagues

1 = Yes, satisfied with relationships with colleagues

Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements;

Appendix F. Facsimiles

*did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBT** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ETCHGRT

Aware of TEACH Grant Program

Have you heard of the TEACH Grant Program?

0 = Not aware of TEACH Grant program

1 = Yes, aware of TEACH Grant program

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (12) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBT** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ELNFRGV

Aware of teacher loan forgiveness programs

Are you aware of loan forgiveness programs which allow you to cancel all or part of your student loans in return for service to the community through teaching?

0 = Not aware of loan forgiveness programs

1 = Yes, aware of loan forgiveness programs

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (12) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBT** in (4 5 7)] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ELNINCT

Teacher loan forgiveness programs influential

[If current or former teacher]

Did knowing about a teacher loan forgiveness program influence you to become a teacher?
[else]

Did knowing about a teacher loan forgiveness program influence you to prepare to become a teacher?

0 = Not influenced by loan forgiveness

1 = Yes, influenced by loan forgiveness

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; were aware of teaching loan forgiveness programs; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBT** in (4 5 7)] and B12ELNFRGV = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12ELNPRT

Participated in teacher loan forgiveness program

Have you participated in a loan forgiveness program for teachers?

0 = Had not participated in loan forgiveness

1 = Yes, participated in loan forgiveness

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements; who did not exclusively report K-12 teaching positions in the B&B:08/12 interview that were as a teacher's aide, short-term substitute, or student teacher; were aware of teaching loan forgiveness programs; and who did not participate in the abbreviated interview. Where: ([Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or [identified as a teacher in B&B:08/09 student interview]) and [no iteration where B12EJBT** in (4 5 7)] and B12ELNFRGV = 1 and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12EPLNTCH

Plan to teach K-12 at some time in the future

Do you plan to teach in a K-12 classroom at some time in the future?

0 = Did not plan to teach in the future

1 = Yes, planned to teach in the future

*Applies To: Respondents who had held a K-12 teaching position at any time since completing their bachelor's degree requirements but did not currently hold a teaching position or had prepared for teaching or considered teaching, who did not currently hold a teaching position, and who did not participate in the abbreviated interview. Where: [Former teacher or prepared to teach or considered teaching] and [B12ESTWK** ne 1 for all iterations] and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

Section 6: Student Background

B12FUSBORN

Respondent born in the United States

Were you born in the United States (including Puerto Rico or another U.S. territory)?

- 0 = Not born in the United States
- 1 = Yes, born in the United States

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Recode note: If [born in US preloaded from NPSAS:08] then B12FUSBORN = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCITZN

Citizenship status

Are you a U.S. citizen?

- 1 = Yes, United States citizen
- 2 = No, resident alien or other non-citizen
- 3 = No, student visa (F1/F2/J1/J2)
- 4 = None of the citizenship statuses listed

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Recode note: If ([born in US preloaded from NPSAS:08] or [US citizen preloaded from NPSAS:08]) then B12FCITZN = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FHSTYP

High school type

Was the high school from which you graduated public or private?

- 1 = Public
- 2 = Private
- 3 = Graduated from a foreign high school
- 4 = Home schooled

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FENGL

English as native language

Is English your native language?

- 0 = English is not native language
- 1 = Yes, English is native language

Applies To: B&B:08/09 nonrespondents who did not participate in the abbreviated interview. Where: [B&B:08/09 nonrespondent] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILSERV

Served in the military

Are you a veteran of, or currently serving in, the U.S. Armed Forces (on active duty, in the Reserves, or in the National Guard)?

0 = Not a veteran and had not served in Armed Forces

1 = Yes, a veteran or served in Armed Forces
Applies To: All respondents.

Recode note: If B12FMILITN = 1 then

B12FMILSERV = 0.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITA

Military status: veteran

Which of the following best describes your current military status?

Veteran

0 = Not a veteran

1 = Yes, a veteran

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITB

Military status: active duty

Which of the following best describes your current military status?

Active duty

0 = Not active duty

1 = Yes, active duty

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITC

Military status: reserves

Which of the following best describes your current military status?

Reserves

0 = Not in the Reserves

1 = Yes, in the Reserves

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITD

Military status: national guard

Which of the following best describes your current military status?

National Guard

0 = Not in National Guard

1 = Yes, in National Guard

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITN

Military status: none

Which of the following best describes your current military status?

None of the above

0 = Held a military status listed

1 = Did not hold a military status listed

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMLSERV = 1.
Source: B&B:08/12 Full-scale Student Interview

B12FDEPS

Had dependent children

One of the goals of this study is to learn about the household characteristics of people after they earn a bachelor's degree. Do you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] have any dependent children? Dependent children need not live with you. Include any children for whom you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] provide 50% or more of their financial support.

0 = No dependent children

1 = Yes, had dependent children

Applies To: All respondents.

Recode note: If B12FDEP2 = 0 then B12FDEPS = 0.
Source: B&B:08/12 Full-scale Student Interview

B12FDEP2

Number of dependent children

[If B12AMARR = 2]

How many dependent children do you or your spouse support financially?

[else if B12AFINWHO = 1]

How many dependent children do you or your partner support financially?

[else]

How many dependent children do you support financially?

Values greater than 7 were replaced with a -6 to indicate the value was out of range.

0 = 0

1 = 1

2 = 2

3 = 3

4 = 4

5 = 5

6 = 6

7 = 7

8 = 8

Applies To: Respondents who had dependent children. Where: B12FDEPS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDPDOBMY1

Date of birth: dependent child 1

[If B12FDEP2 = 1]

In what month and year was your dependent child born?

[else]

In what month and year were your dependent children born?

B12FDPDOBMY1 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who had dependent children and did not participate in the abbreviated interview. Where: B12FDEPS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDPDOBMY2

Date of birth: dependent child 2

In what month and year were your dependent children born?

B12FDPDOBMY2 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who had two or more dependent children and did not participate in the abbreviated interview. Where: (B12FDEP2 >= 2 or B12FDEP2 = -6) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDPDOBMY3

Date of birth: dependent child 3

In what month and year were your dependent children born?

B12FDPDOBMY3 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who had three or more dependent children and did not participate in the abbreviated interview. Where: (B12FDEP2 >= 3 or B12FDEP2 = -6) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDPDOBMY4

Date of birth: dependent child 4

In what month and year were your dependent children born?

B12FDPDOBMY4 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who had four or more dependent children and did not participate in the abbreviated interview. Where: (B12FDEP2 >= 4 or B12FDEP2 = -6) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDPDOBMY5*Date of birth: dependent child 5*

In what month and year were your dependent children born?

B12FDPDOBMY5 is presented in YYYYMM format. Month values of 00 indicate a missing month.

*Applies To: Respondents who had five or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 5 or B12FDEP2 = -6) and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12FDPDOBMY6*Date of birth: dependent child 6*

In what month and year were your dependent children born?

B12FDPDOBMY6 is presented in YYYYMM format. Month values of 00 indicate a missing month.

*Applies To: Respondents who had six or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 6 or B12FDEP2 = -6) and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12FDPDOBMY7*Date of birth: dependent child 7*

In what month and year were your dependent children born?

B12FDPDOBMY7 is presented in YYYYMM format. Month values of 00 indicate a missing month.

*Applies To: Respondents who had seven or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 7 or B12FDEP2 = -6) and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12FDPDATMY1*Date of dependency: dependent child 1*

[If B12FDEP2 = 1]

We would like to know when your child became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care, etc.) please indicate the month and year he or she became your dependent.

[else]

For each dependent child, we would like to know when he or she became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care, etc.) please indicate the month and year he or she became your dependent.

B12FDPDATMY1 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who had dependent children and did not participate in the abbreviated interview. Where: B12FDEPS = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDPDATMY2*Date of dependency: dependent child 2*

For each dependent child, we would like to know when he or she became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care, etc.) please indicate the month and year he or she became your dependent.

B12FDPDATMY2 is presented in YYYYMM format. Month values of 00 indicate a missing month.

*Applies To: Respondents who had two or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 2 or B12FDEP2 = -6) and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12FDPDATMY3*Date of dependency: dependent child 3*

For each dependent child, we would like to know when he or she became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care, etc.) please indicate the month and year he or she became your dependent.

B12FDPDATMY3 is presented in YYYYMM format. Month values of 00 indicate a missing month.

*Applies To: Respondents who had three or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 3 or B12FDEP2 = -6) and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12FDPDATMY4*Date of dependency: dependent child 4*

For each dependent child, we would like to know when he or she became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care, etc.) please indicate the month and year he or she became your dependent.

B12FDPDATMY4 is presented in YYYYMM format. Month values of 00 indicate a missing month.

*Applies To: Respondents who had four or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 4 or B12FDEP2 = -6) and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12FDPDATMY5*Date of dependency: dependent child 5*

For each dependent child, we would like to know when he or she became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care,

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etc.) please indicate the month and year he or she became your dependent.
B12FDPDATMY5 is presented in YYYYMM format. Month values of 00 indicate a missing month.
Applies To: Respondents who had five or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 5 or B12FDEP2 = -6) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12FDPDATMY6

Date of dependency: dependent child 6
For each dependent child, we would like to know when he or she became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care, etc.) please indicate the month and year he or she became your dependent.
B12FDPDATMY6 is presented in YYYYMM format. Month values of 00 indicate a missing month.
Applies To: Respondents who had six or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 6 or B12FDEP2 = -6) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12FDPDATMY7

Date of dependency: dependent child 7
For each dependent child, we would like to know when he or she became financially dependent upon you. If he or she became dependent upon you at a time other than his or her birth (through adoption, foster care, etc.) please indicate the month and year he or she became your dependent.
B12FDPDATMY7 is presented in YYYYMM format. Month values of 00 indicate a missing month.
Applies To: Respondents who had seven or more dependent children and did not participate in the abbreviated interview.
Where: (B12FDEP2 >= 7 or B12FDEP2 = -6) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12FCSTDYCR

Monthly daycare costs
How much (on average) do you pay each month for childcare?
Values greater than \$5,000 were replaced with a -6 to indicate the value was out of range.
Applies To: Respondents who had dependent children under the age of 12 and did not participate in the abbreviated interview.
Where: B12FDEPS = 1 and (([age of dependent child 1 is missing or is greater than 0 and less than 12]) or ([age of dependent child 2 is missing or is greater than 0 and less than 12]) or ([age of dependent child 3 is missing or is greater than 0 and less than 12]) or ([age of dependent child 4 is missing or is greater than 0 and less than 12]) or ([age of dependent child 5 is missing or is greater than 0 and less than 12]))

dependent child 6 is missing or is greater than 0 and less than 12]) or ([age of dependent child 7 is missing or is greater than 0 and less than 12])) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FOTHER

Had other dependents

Do you {[if B12AMARR = 2} or your spouse {if B12AFINWHO = 1} or your partner] have any other dependents that you support financially? Dependents need not live with you {[if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner]. They may include siblings, parents, other relatives, or other individuals for whom you {[if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] provide 50% or more of their financial support or are considered to be the primary caregiver.

0 = No other dependents

1 = Yes, had other dependents

Applies To: Respondents who did not participate in the abbreviated interview. *Where:* ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FOTDEPMY1

Date of dependency of other dependent 1

In what month and year did you begin providing financial support or did you become the primary caregiver to your other dependent(s)?
B12FOTDEPMY1 is presented in YYYYMM format. Month values of 00 indicate a missing month.
Applies To: Respondents who financially supported other dependents and did not participate in the abbreviated interview.
Where: B12FOTHER = 1 and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12FOTDEPMY2

Date of dependency of other dependent 2

In what month and year did you begin providing financial support or did you become the primary caregiver to your other dependent(s)?
B12FOTDEPMY2 is presented in YYYYMM format. Month values of 00 indicate a missing month.
Applies To: Respondents who financially supported at least two other dependents and did not participate in the abbreviated interview. *Where:* B12FOTDEPMY2 > 0 and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12FOTDEPMY3

Date of dependency of other dependent 3

In what month and year did you begin providing financial support or did you become the primary caregiver to your other dependent(s)?
B12FOTDEPMY3 is presented in YYYYMM format. Month values of 00 indicate a missing month.
Applies To: Respondents who financially supported at least three other dependents and did not participate in the abbreviated

interview. Where: B12FOTDEPMY3 > 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FOTDEPMY4

Date of dependency of other dependent 4

In what month and year did you begin providing financial support or did you become the primary caregiver to your other dependent(s)?

B12FOTDEPMY4 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who financially supported at least four other dependents and did not participate in the abbreviated interview. Where: B12FOTDEPMY4 > 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FOTDEPMY5

Date of dependency of other dependent 5

In what month and year did you begin providing financial support or did you become the primary caregiver to your other dependent(s)?

B12FOTDEPMY5 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who financially supported at least five other dependents and did not participate in the abbreviated interview. Where: B12FOTDEPMY5 > 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FOTDEPMY6

Date of dependency of other dependent 6

In what month and year did you begin providing financial support or did you become the primary caregiver to your other dependent(s)?

B12FOTDEPMY6 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who financially supported at least six other dependents and did not participate in the abbreviated interview. Where: B12FOTDEPMY6 > 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FOTDEPMY7

Date of dependency of other dependent 7

In what month and year did you begin providing financial support or did you become the primary caregiver to your other dependent(s)?

B12FOTDEPMY7 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who financially supported at least seven other dependents and did not participate in the abbreviated interview. Where: B12FOTDEPMY7 > 0 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FRETIRA

Retirement account: IRA

Now we have some questions for you about your general financial situation. This information is important to understanding how individuals with a bachelor's degree have transitioned into life outside of college. We'd like to know if you have any type of retirement savings account, either provided by an employer, your own savings, or a combination. Do you have a/an...

IRA

0 = Did not have IRA

1 = Yes, had IRA

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FRET401K

Retirement account: 401(k)

Now we have some questions for you about your general financial situation. This information is important to understanding how individuals with a bachelor's degree have transitioned into life outside of college. We'd like to know if you have any type of retirement savings account, either provided by an employer, your own savings, or a combination. Do you have a/an...

401(k)

0 = Did not have 401K

1 = Yes, had 401k

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FRET403B

Retirement account: 403(b)

Now we have some questions for you about your general financial situation. This information is important to understanding how individuals with a bachelor's degree have transitioned into life outside of college. We'd like to know if you have any type of retirement savings account, either provided by an employer, your own savings, or a combination. Do you have a/an...

403(b)

0 = Did not have 403B

1 = Yes, had 403B

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FRET PEN

Retirement account: pension

Now we have some questions for you about your general financial situation. This information is important to understanding how individuals with a bachelor's degree have transitioned into life outside of

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college. We'd like to know if you have any type of retirement savings account, either provided by an employer, your own savings, or a combination. Do you have a/an...
Pension

- 0 = Did not have a pension
- 1 = Yes, had a pension

Applies To: Respondents who did not participate in the abbreviated interview. *Where:* ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FRETOTH

Retirement account: other

Now we have some questions for you about your general financial situation. This information is important to understanding how individuals with a bachelor's degree have transitioned into life outside of college. We'd like to know if you have any type of retirement savings account, either provided by an employer, your own savings, or a combination. Do you have a/an...
Other retirement savings account

- 0 = Did not have other retirement account
- 1 = Yes, had other retirement account

Applies To: Respondents who did not participate in the abbreviated interview. *Where:* ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCONTIRA

Contributed to retirement account in last 12 months: IRA

Not counting any contributions made on your behalf, in the past 12 months did you contribute to your...
IRA

- 0 = Did not contribute to IRA
- 1 = Yes, contributed to IRA

Applies To: Respondents who had an IRA and did not participate in the abbreviated interview. *Where:*

B12FRETIRA = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCONT401K

Contributed to retirement account in last 12 months: 401(k)

Not counting any contributions made on your behalf, in the past 12 months did you contribute to your...
401(k)

- 0 = Did not contribute to 401K
- 1 = Yes, contributed to 401K

Applies To: Respondents who had a 401k account and did not participate in the abbreviated interview. *Where:*

B12FRET401K = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCONT403B

Contributed to retirement account in last 12 months: 403(b)

Not counting any contributions made on your behalf, in the past 12 months did you contribute to your...
403(b)

0 = Did not contribute to 403B

1 = Yes, contributed to 403B

Applies To: Respondents who had a 403b account and did not participate in the abbreviated interview. *Where:*

B12FRET403B = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCONTPEN

Contributed to retirement account in last 12 months: pension

Not counting any contributions made on your behalf, in the past 12 months did you contribute to your...
Pension

0 = Did not contribute to pension

1 = Yes, contributed to pension

Applies To: Respondents who had a pension and did not participate in the abbreviated interview. *Where:*

B12FRETPEN = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCONTOTH

Contributed to retirement account in last 12 months: other

Not counting any contributions made on your behalf, in the past 12 months did you contribute to your...
Other retirement savings account

0 = Did not contribute to other retirement account

1 = Yes, contributed to other retirement account

Applies To: Respondents who had another retirement savings account other than an IRA, 401k, 403b, or pension and did not participate in the abbreviated interview. *Where:*

B12FRETOOTH = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMORTG

Residence: paid mortgage

[If B12AMARR = 2]

Do you own a home or pay rent? (If someone other than your spouse makes housing payments on your behalf, please answer, "None of the above.")
[else if B12AFINWHO = 1]

Do you own a home or pay rent? (If someone other than your partner makes housing payments on your behalf, please answer, "None of the above.")
[else]

Do you own a home or pay rent? (If someone makes housing payments on your behalf, please answer, "None of the above.")
Pay mortgage

0 = Did not pay mortgage

1 = Yes, paid mortgage

Applies To: Respondents who did not participate in the abbreviated interview. *Where:* ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FRENT*Residence: paid rent*

[If B12AMARR = 2]

Do you own a home or pay rent? (If someone other than your spouse makes housing payments on your behalf, please answer, "None of the above.")

[else if B12AFINWHO = 1]

Do you own a home or pay rent? (If someone other than your partner makes housing payments on your behalf, please answer, "None of the above.")

[else]

Do you own a home or pay rent? (If someone makes housing payments on your behalf, please answer, "None of the above.")

Pay rent

0 = Did not pay rent

1 = Yes, paid rent

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FOWNHM*Residence: owned home outright*

[If B12AMARR = 2]

Do you own a home or pay rent? (If someone other than your spouse makes housing payments on your behalf, please answer, "None of the above.")

[else if B12AFINWHO = 1]

Do you own a home or pay rent? (If someone other than your partner makes housing payments on your behalf, please answer, "None of the above.")

[else]

Do you own a home or pay rent? (If someone makes housing payments on your behalf, please answer, "None of the above.")

Own home(s) outright

0 = Did not own home

1 = Yes, owned home

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FNONE*Residence: did not pay mortgage or rent*

[If B12AMARR = 2]

Do you own a home or pay rent? (If someone other than your spouse makes housing payments on your behalf, please answer, "None of the above.")

[else if B12AFINWHO = 1]

Do you own a home or pay rent? (If someone other than your partner makes housing payments on your behalf, please answer, "None of the above.")

[else]

Do you own a home or pay rent? (If someone makes housing payments on your behalf, please answer, "None of the above.")

None of the above

0 = Paid mortgage, rent or owned home

1 = Did not pay mortgage, rent, or own home

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMTGAMT*Monthly rent or mortgage payment amount*

[If B12FMORTG = 1 and B12FRENT = 1]

How much (on average) is your total monthly housing payment (including both rent and mortgage payments)?

Please indicate only the amount that you

[{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] are responsible for paying. If someone else pays your total monthly housing payment on your behalf, please indicate "0." [else if B12FMORTG = 1]

How much (on average) is your total monthly mortgage payment? Please indicate only the amount that you [{if B12AMARR = 2} or your spouse {else if

B12AFINWHO = 1} or your partner] are responsible for paying. If someone else pays your total monthly mortgage payment on your behalf, please indicate "0." [else if B12FRENT = 1]

How much (on average) is your total monthly rent payment? Please indicate only the amount that you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] are responsible for paying. If someone else pays your total monthly rent payment on your behalf, please indicate "0." [else]

How much (on average) is your total monthly rent or mortgage payment? Please indicate only the amount that you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] are responsible for paying. If you do not have a monthly housing payment or someone else pays your monthly housing payment on your behalf, please indicate "0."

Values greater than \$7,500 were replaced with a -6 to indicate the value was out of range.

*Applies To: Respondents who paid monthly rent or mortgage payments and did not participate in the abbreviated interview.**Where: (B12FRENT = 1 or B12FMORTG = 1) and ABBREV ne 1.*

Source: B&B:08/12 Full-scale Student Interview

B12FHOMVAL*Current value of primary residence*

What is the approximate current value of your home(s)? (If you do not know the exact amount, please provide your best guess.)

Values between \$0 and \$1,000 or greater than \$1,500,000 were replaced with a -6 to indicate the value was out of range.

Applies To: Respondents who paid a mortgage or owned their home outright and did not participate in the abbreviated

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interview. Where: (B12FMORTG = 1 or B12FOWNHM = 1) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FHOMOWE

Current amount owed on mortgage for primary residence

About how much do you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] owe on the mortgage(s) for your home(s)? (If you owe nothing for your mortgage(s), please enter "0.")

Values between \$0 and \$1,000 or greater than \$1,500,000 were replaced with a -6 to indicate the value was out of range.

Applies To: Respondents who paid a mortgage and did not participate in the abbreviated interview. Where: B12FMORTG = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCARLOAN

Had car loan or lease

Do you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] have a loan or a lease for a vehicle (car, truck, motorcycle, or other vehicle)? If someone makes vehicle loan or lease payments on [{if B12AMARR = 2} behalf of you or your spouse {else if B12AFINWHO = 1} behalf of you or your partner {else} your behalf], please answer, "No."

0 = Did not have car loan or lease

1 = Yes, had car loan or lease

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Recode note: If B12FCARAMT = 0 then
B12FCARLOAN = 0.

Source: B&B:08/12 Full-scale Student Interview

B12FCARAMT

Car loan or lease amount

What is the total amount you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] pay each month for your vehicle loan(s) or lease(s)?

Values greater than \$2,000 were replaced with a -6 to indicate the value was out of range.

Applies To: Respondents who had a car loan or lease and did not participate in the abbreviated interview. Where:

B12FCARLOAN = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FINCOM

Respondent's income in 2011

What was your income for calendar year 2011, prior to taxes and deductions? (Calendar year 2011 includes January 1, 2011 through December 31, 2011. Include all income you paid taxes on, including work, investment income, or alimony. Do not include [{if

B12AMARR = 2} your spouse's income, {else if B12AFINWHO = 1} partner's income,] any grants or loans you may have used to pay for school, or any money given to you by your family.) (If you are unsure of the exact amount, provide your best estimate.) Values between \$0 and \$100 or greater than \$1,000,000 were replaced with a -6 to indicate the value was out of range.

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FINEST

Respondent's income range in 2011

[If B12AMARR = 2]

This question about your income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Excluding your spouse's income, please indicate the range that best estimates your income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, for calendar year 2011 (January 1, 2011 through December 31, 2011).

[else if B12AFINWHO = 1]

This question about your income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Excluding your domestic partner's income, please indicate the range that best estimates your income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, for calendar year 2011 (January 1, 2011 through December 31, 2011).

[else]

This question about your income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Please indicate the range that best estimates your income from all sources (including income from work, investments, alimony, etc.) prior to taxes and deductions for calendar year 2011 (January 1, 2011 through December 31, 2011).

1 = Less than \$20,000

2 = \$20,000-\$29,999

3 = \$30,000-\$39,999

4 = \$40,000-\$49,999

5 = \$50,000-\$59,999

6 = \$60,000-\$69,999

7 = \$70,000-\$79,999

8 = \$80,000-\$89,999

9 = \$90,000-\$99,999

10 = \$100,000-\$149,999

11= \$150,000 or more

Applies To: Respondents who did not provide an income and did not participate in the abbreviated interview, or respondents who participated in the abbreviated interview. Where:

$(B12FINCOM = -9 \text{ and } ABBREV \neq 1) \text{ or } ABBREV = 1.$

Source: B&B:08/12 Full-scale Student Interview

B12FSPEMP

Spouse worked for pay in 2011

[If $B12AFINWHO = 1$]

Did your partner work for pay in calendar year 2011 (January 1, 2011 through December 31, 2011)?

[else]

Did your spouse work for pay in calendar year 2011 (January 1, 2011 through December 31, 2011)?

0 = Spouse did not work for pay in 2011

1 = Yes, spouse worked for pay in 2011

Applies To: Respondents who were married or had a domestic partner and did not participate in the abbreviated interview.

Where: ($B12AMARR = 2$ or $B12AFINWHO = 1$) and $ABBREV \neq 1$. Recode note: If $B12FINCSP = 0$ then $B12FSPEMP = 0$.

Source: B&B:08/12 Full-scale Student Interview

B12FINCSP

Spouse's income in 2011

[If $B12AFINWHO = 1$]

What was your partner's income for calendar year 2011, prior to taxes and deductions? (Calendar year 2011 includes January 1, 2011 through December 31, 2011. Include all income your partner paid taxes on, including work, investment income, or alimony. Do not include any grants or loans your partner may have used to pay for school, or any money given to your spouse by family.)

[else]

What was your spouse's income for calendar year 2011, prior to taxes and deductions? (Calendar year 2011 includes January 1, 2011 through December 31, 2011. Include all income your spouse paid taxes on, including work, investment income, or alimony. Do not include any grants or loans your spouse may have used to pay for school, or any money given to your spouse by family.)

Values between \$0 and \$100 or greater than \$1,000,000 were replaced with a -6 to indicate the

Applies To: Respondents who were married or had a domestic partner and did not participate in the abbreviated interview.

Where: ($B12AMARR = 2$ or $B12AFINWHO = 1$) and $ABBREV \neq 1$.

Source: B&B:08/12 Full-scale Student Interview

B12FSPNOT

Not married to spouse in 2011

[If $B12AFINWHO = 1$]

What was your partner's income for calendar year 2011, prior to taxes and deductions? (Calendar year 2011 includes January 1, 2011 through December 31, 2011.

Include all income your partner paid taxes on, including work, investment income, or alimony. Do not include

any grants or loans your partner may have used to pay for school, or any money given to your spouse by family.)

[else]

What was your spouse's income for calendar year 2011, prior to taxes and deductions? (Calendar year 2011 includes January 1, 2011 through December 31, 2011. Include all income your spouse paid taxes on, including work, investment income, or alimony. Do not include any grants or loans your spouse may have used to pay for school, or any money given to your spouse by family.)

Check here if you were not living with your [if $B12AFINWHO = 1$] partner {else} spouse] in 2011

0 = Living with/married to spouse in 2011

1 = Not living with/married to spouse in 2011

Applies To: Respondents who were married or had a domestic partner and did not participate in the abbreviated interview.

Where: ($B12AMARR = 2$ or $B12AFINWHO = 1$) and $ABBREV \neq 1$.

Source: B&B:08/12 Full-scale Student Interview

B12FINSRA

Spouse's income range in 2011

[If $B12AFINWHO = 1$]

This question about your partner's income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Please indicate the range that best estimates your partner's income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, in calendar year 2011 (January 1, 2011 through December 31, 2011).

[else]

This question about your spouse's income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Please indicate the range that best estimates your spouse's income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, in calendar year 2011 (January 1, 2011 through December 31, 2011).

1 = Less than \$20,000

2 = \$20,000-\$29,999

3 = \$30,000-\$39,999

4 = \$40,000-\$49,999

5 = \$50,000-\$59,999

6 = \$60,000-\$69,999

7 = \$70,000-\$79,999

8 = \$80,000-\$89,999

9 = \$90,000-\$99,999

10 = \$100,000-\$149,999

11 = \$150,000 or more

Applies To: Respondents who were married or had a domestic partner, did not provide an income for their spouse or partner or who were not married or living with their spouse or partner in

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2011, and did not participate in the abbreviated interview.
Where: (B12AMARR = 2 or B12AFINWHO = 1) and
(B12FINCSP < 0 and B12FINCSP ne -6) and
B12FSPLNOT ne 1) and ABBREV ne 1.
Source: B&B:08/12 Full-scale Student Interview

B12FSPLV

Spouse's highest level of education

[If B12AFINWHO = 1]

What is the highest level of education that your partner has completed?

[else]

What is the highest level of education that your spouse has completed?

- 1 = Did not complete high school
- 2 = High school diploma or equivalent
- 3 = Vocational or technical training
- 4 = Less than 2 years of college
- 5 = Associate's degree
- 6 = 2 or more years of college but no degree
- 7 = Bachelor's degree
- 8 = Graduate degree

Applies To: Respondents who were married or had a domestic partner and did not participate in the abbreviated interview.

Where: (B12AMARR = 2 or B12AFINWHO = 1) and
ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FSPCOL

Spouse in college or graduate school in 2012-13

[If B12AFINWHO = 1]

Did your partner attend college or graduate school during the 2012-13 school year?

[else]

Did your spouse attend college or graduate school during the 2012-13 school year?

- 0 = Not in college or graduate school
- 1 = Yes, full time in college or graduate school
- 2 = Yes, part time in college or graduate school

Applies To: Respondents whose spouse or domestic partner had attended a college, university, or trade school and who did not participate in the abbreviated interview. Where: (B12AMARR = 2 or B12AFINWHO = 1) and B12FSPLV not in (1 2) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FSPLN

Spouse took out student loans

[If B12AFINWHO = 1 and B12FSPLV in (2 3 4 5 6)]

Did your partner ever take out any student loans for his or her undergraduate education?

[else if B12AFINWHO = 1]

Did your partner ever take out any student loans for his or her undergraduate and/or graduate education?

[else if B12FSPLV in (2 3 4 5 6)]

Did your spouse ever take out any student loans for his or her undergraduate education?

[else]

Did your spouse ever take out any student loans for his or her undergraduate and/or graduate education?

0 = Spouse did not take out student loans

1 = Yes, spouse took out student loans

Applies To: Respondents whose spouse or domestic partner had attended a college, university, or trade school and who did not participate in the abbreviated interview. Where: (B12AMARR = 2 or B12AFINWHO = 1) and B12FSPLV not in (1 2) and ABBREV ne 1.

Recode note: If B12FSPAMT = 0 then B12FSPLN = 0.

Source: B&B:08/12 Full-scale Student Interview

B12FSPAMT

Spouse's student loans: amount borrowed

[If B12AFINWHO = 1]

What is the total amount your partner has borrowed in student loans? (If you are unsure of the amount, please provide your best estimate.)

[else]

What is the total amount your spouse has borrowed in student loans? (If you are unsure of the amount, please provide your best estimate.)

Applies To: Respondents whose spouse or domestic partner had attended a college, university, or trade school and took out student loans and who did not participate in the abbreviated interview.

Where: (B12AMARR = 2 or B12AFINWHO = 1) and
B12FSPLV not in (1 2) and B12FSPLN = 1 and
ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FPOWE

Spouse's student loans: amount owed

[If B12FSPAMT = -9 and B12AFINWHO = 1]

How much of your partner's student loans are still owed?

[else if B12FSPAMT ne -9 and B12AFINWHO = 1]

How much of the \$[B12FSPAMT] in total student loans does your partner still owe?

[else if B12FSPAMT = -9]

How much of your spouse's student loans are still owed?

[else]

How much of the \$[B12FSPAMT] in total student loans does your spouse still owe?

1 = All loans still owed

2 = Some loans still owed

3 = No loans owed

Applies To: Respondents whose spouse or domestic partner had attended a college, university, or trade school and took out student loans and who did not participate in the abbreviated interview.

Where: (B12AMARR = 2 or B12AFINWHO = 1) and
B12FSPLV not in (1 2) and B12FSPLN = 1 and
ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FSPLNPY*Spouse's student loans: monthly payment*

[If B12AFINWHO = 1]

How much does your partner pay each month for his or her student loans?

[else]

How much does your spouse pay each month for his or her student loans?

Applies To: Respondents whose spouse or domestic partner had attended a college, university, or trade school and had not paid off their student loans and who did not participate in the abbreviated interview. Where: (B12AMARR = 2 or B12AFINWHO = 1) and B12FSPLV not in (1 2) and B12FSPLN = 1 and B12FSPOWE not in (-9 3) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FSPLNNP*Spouse's student loans: not in repayment*

[If B12AFINWHO = 1]

How much does your partner pay each month for his or her student loans?

[else]

How much does your spouse pay each month for his or her student loans?

Not yet in repayment

0 = Spouse loans in repayment

1 = Spouse loans not in repayment

Applies To: Respondents whose spouse or domestic partner had attended a college, university, or trade school and had not paid off their student loans and who did not participate in the abbreviated interview. Where: (B12AMARR = 2 or B12AFINWHO = 1) and B12FSPLV not in (1 2) and B12FSPLN = 1 and B12FSPOWE not in (-9 3) and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FAFFWKMR*Result of financial cost of education: worked more than desired*

All students experience some financial costs as a result of their undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, whether they take out loans, pay for their education in other ways, or spend time on coursework that could have been spent working for pay. As a result of your financial costs for undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, have you...

Had to work more than desired (e.g., work more than one job or work more hours)?

0 = Did not work more than desired

1 = Yes, worked more than desired

Applies To: Respondents who did not indicate they did not have paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS ne 0.

Source: B&B:08/12 Full-scale Student Interview

B12FAFFLESS*Result of financial cost of education: took job outside of field*

All students experience some financial costs as a result of their undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, whether they take out loans, pay for their education in other ways, or spend time on coursework that could have been spent working for pay. As a result of your financial costs for undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, have you...

Taken a job outside your field of study, or a less desirable job?

0 = Did not take less desirable job

1 = Yes, took less desirable job

Applies To: Respondents who did not indicate they did not have paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS ne 0.

Source: B&B:08/12 Full-scale Student Interview

B12FAFFEDJB*Result of financial cost of education: took job instead of enrolling*

All students experience some financial costs as a result of their undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, whether they take out loans, pay for their education in other ways, or spend time on coursework that could have been spent working for pay. As a result of your financial costs for undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, have you...

Taken a job instead of enrolling for additional education?

0 = Did not take job instead of enrolling

1 = Yes, took job instead of enrolling

Applies To: Respondents who did not indicate they did not have paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS ne 0.

Source: B&B:08/12 Full-scale Student Interview

B12FAFFHOME*Result of financial cost of education: delayed buying a home*

All students experience some financial costs as a result of their undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, whether they take out loans, pay for their education in other ways, or spend time on coursework that could have been spent working for pay. As a result of your financial costs for undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, have you...

Delayed buying a home?

0 = Did not delay buying a home

1 = Yes, delayed buying a home

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12FAFFMARR

Result of financial cost of education: delayed getting married
 All students experience some financial costs as a result of their undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, whether they take out loans, pay for their education in other ways, or spend time on coursework that could have been spent working for pay. As a result of your financial costs for undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, have you...

Delayed getting married?

- 0 = Did not delay getting married
- 1 = Yes, delayed getting married

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12FAFFCHLD

Result of financial cost of education: delayed having children
 All students experience some financial costs as a result of their undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, whether they take out loans, pay for their education in other ways, or spend time on coursework that could have been spent working for pay. As a result of your financial costs for undergraduate [{if B12CDEG* in (5 6 7 8 9)} and graduate] education, have you...

Delayed having children?

- 0 = Did not delay having children
- 1 = Yes, delayed having children

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12FWORTH

Undergraduate education was worth the financial cost

Do you think your undergraduate education was worth its financial cost?

- 0 = Undergraduate education not worth its cost
- 1 = Yes, undergraduate education worth its cost

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12FWORTHG

Graduate education was worth the financial cost

Do you think your graduate education was worth its financial cost?

- 0 = Graduate education not worth its cost
- 1 = Yes, graduate education worth its cost

Applies To: Respondents who had a graduate degree. Where: B12CDEG01 in (5 6 7 8 9) or B12CDEG02 in (5 6 7 8 9) or B12CDEG03 in (5 6 7 8 9) or B12CDEG04 in (5 6 7 8 9) or B12CDEG05 in (5 6 7 8 9) or B12CDEG06 in (5 6 7 8 9) or B12CDEG07 in (5 6 7 8 9).

Source: B&B:08/12 Full-scale Student Interview

B12FSELLPO

Result of the sale of all major possessions

[If B12FMORTG = 1 or B12FOWNHM = 1]

Suppose you [{if B12AMARR = 2} and your spouse {else if B12AFINWHO = 1} and your partner] were to sell all your major possessions, including your home, turn all of your investments and other assets into cash, and pay off all your debts. Do you think you would have something left over, break even, or be in debt? [else]

Suppose you [{if B12AMARR = 2} and your spouse {else if B12AFINWHO = 1} and your partner] were to sell all your major possessions, turn all of your investments and other assets into cash, and pay off all your debts. Do you think you would have something left over, break even, or be in debt?

- 1 = Have something left over
- 2 = Break even
- 3 = Be in debt

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FSTRESS

Financial difficulty in past 12 months

During the past 12 months, has there been a time when you did not meet all of your essential expenses, such as mortgage or rent payments, utility bills, or important medical care?

- 0 = Met all essential expenses
- 1 = Yes, did not meet all essential expenses

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMOMED

Mother's level of education

What is the highest level of education your mother (or female guardian) completed?

- 1 = Did not complete high school
- 2 = High school diploma or equivalent
- 3 = Vocational or technical training
- 4 = Less than 2 years of college
- 5 = Associate's degree
- 6 = 2 or more years of college but no degree
- 7 = Bachelor's degree
- 8 = Master's degree or equivalent
- 9 = Professional degree
- 10 = Doctoral degree (PhD, EdD, etc.)
- 11 = Don't know

Applies To: Respondents whose mother's highest level of education was unknown and who did not participate in the abbreviated interview. Where: [Mother's highest education unknown] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDADED*Father's level of education*

What is the highest level of education your father (or male guardian) completed?

- 1 = Did not complete high school
- 2 = High school diploma or equivalent
- 3 = Vocational or technical training
- 4 = Less than 2 years of college
- 5 = Associate's degree
- 6 = 2 or more years of college but no degree
- 7 = Bachelor's degree
- 8 = Master's degree or equivalent
- 9 = Professional degree
- 10 = Doctoral degree (PhD, EdD, etc.)
- 11 = Don't know

Applies To: Respondents whose father's highest level of education was unknown and who did not participate in the abbreviated interview. Where: [Father's highest education unknown] and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FCOMSRV*Performed community service or volunteered in last year*

Have you performed any community service or volunteer work in the last 12 months? Please do not include paid community service, court-ordered service, or charitable donations (such as food, clothing, money, etc.).

- 0 = Did not perform community service
- 1 = Yes, performed community service

Applies To: Respondents who did not participate in the abbreviated interview. Where: ABBREV ne 1.

Recode note: If B12FVLHRS = 0 then

B12FCOMSRV = 0.

Source: B&B:08/12 Full-scale Student Interview

B12FVLHRS*Hours volunteered: amount*

About how many hours did you volunteer during the last year?

Values greater than 2,080 when B12FVLAMT = 1, greater than 160 when B12FVLAMT = 2, or greater than 40 when B12FVLAMT = 3, were replaced with a -6 to indicate the value was out of range. Each calculation was based on the respondent reporting more than 2,080 hours per year.

Applies To: Respondents who volunteered in the last 12 months and did not participate in the abbreviated interview. Where: B12FCOMSRV = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FVLAMT*Hours volunteered: time frame*

About how many hours did you volunteer during the last year?

- 1 = Per year
- 2 = Per month
- 3 = Per week

Applies To: Respondents who volunteered in the last 12 months for something other than a one-time event and did not participate in the abbreviated interview. Where: B12FCOMSRV = 1 and B12FVLONE ne 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12FVLONE*One time volunteer event*

About how many hours did you volunteer during the last year?

One time event

- 0 = Not a one-time volunteer event
- 1 = Yes, one time volunteer event

Applies To: Respondents who volunteered in the last 12 months and did not participate in the abbreviated interview. Where: B12FCOMSRV = 1 and ABBREV ne 1.

Source: B&B:08/12 Full-scale Student Interview

Preloads

Y_NPIPDS

NPSAS IPEDS ID

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPSCHL

NPSAS school name

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPCITY

NPSAS city

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPSTAT

NPSAS state

1 = Alabama	28 = Nebraska
2 = Alaska	29 = Nevada
3 = Arizona	30 = New Hampshire
4 = Arkansas	31 = New Jersey
5 = California	32 = New Mexico
6 = Colorado	33 = New York
7 = Connecticut	34 = North Carolina
8 = Delaware	35 = North Dakota
9 = District of Columbia	36 = Ohio
10 = Florida	37 = Oklahoma
11 = Georgia	38 = Oregon
12 = Hawaii	39 = Pennsylvania
13 = Idaho	40 = Rhode Island
14 = Illinois	41 = South Carolina
15 = Indiana	42 = South Dakota
16 = Iowa	43 = Tennessee
17 = Kansas	44 = Texas
18 = Kentucky	45 = Utah
19 = Louisiana	46 = Vermont
20 = Maine	47 = Virginia
21 = Maryland	48 = Washington
22 = Massachusetts	49 = West Virginia
23 = Michigan	50 = Wisconsin
24 = Minnesota	51 = Wyoming
25 = Mississippi	52 = Puerto Rico
26 = Missouri	60 = U.S. Virgin Islands
27 = Montana	63 = Foreign country

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Source: NPSAS:08 Student Enrollment List

Y_NPCTRL

NPSAS control

1 = Public

2 = Private nonprofit

3 = Private for-profit

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPLEVL

NPSAS level

1 = 4-year

2 = 2-year

3 = Less-than-2-year

Applies To: All respondents.

Abbreviated Interview

Section 1: Eligibility

BB12ID

Student identification number

Student ID

Applies to: All respondents.

Source: B&B:08/12 field test student interview

COMPMode

Completion mode

COMPMode is the mode in which the respondent completed the B&B:08/12 interview.

CATI stands for Computer Assisted Telephone Interview. Respondents in this interview mode completed the interview over the phone with a telephone interviewer. Partial interview respondents have a missing value for interview completion mode.

0 = Web

1 = CATI

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

COMPDATE

Date interview completed

COMPDATE is the date that the respondent completed the interview. COMPDATE is provided in the YYYYMMDD format. Partial interview respondents have a missing value for interview completion mode.

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

SUMSTFLG

Interview completion flag

SUMSTFLG indicates the completion status.

Respondents with SUMSTFLG = 3 were selected to participate in the abbreviated interview (ABBREV = 1) and completed their interview. Respondents with SUMSTFLG = 2 failed to complete their interview, either abbreviated or full.

The respondent must have completed the Eligibility (B12A*), Undergraduate Education (B12B*), Post-Bachelor's Education (B12C*), and the first employer loop in Employment (B12D*) to be considered a final partial interview.

1 = Full complete student interview

2 = Partial student interview (full or abbreviated)

3 = Completed abbreviated student interview

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

ABBREV

Abbreviate interview status

ABBREV is a flag to indicate whether the respondent was selected to complete the abbreviated interview. The abbreviated interview consisted of select forms in each section of the interview.

0 = Did not participate in the abbreviated interview

1 = Yes, participated in the abbreviated interview

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AELIG

NPSAS enrollment between July 1, 2007 and June 30, 2008

Were you enrolled at [NPSAS] at any time between July 1, 2007 and June 30, 2008?

0 = Not enrolled in 2007–08 school year

1 = Yes, enrolled in 2007–08 school year

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Recode note: If [date last attended NPSAS was between July 2007 and June 2008] then B12AELIG = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ADGAS

NPSAS degree: associate's degree

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMode = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Associate's degree

0 = Not associate's degree

1 = Yes, associate's degree

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGBA

NPSAS degree: 4-year bachelor's degree

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPMode = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Bachelor's degree

0 = Not bachelor's degree

1 = Yes, bachelor's degree

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGMA

NPSAS degree: master's degree

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Master's degree

0 = Not master's degree

1 = Yes, master's degree

Applies To: B&B:08/09 nonrespondents.

Source: B&B:08/12 Full-scale Student Interview

0 = Not other doctoral degree

1 = Yes, other doctoral degree

Applies To: B&B:08/09 nonrespondents.

Source: B&B:08/12 Full-scale Student Interview

B12ADGCE

NPSAS degree: undergraduate certificate/diploma

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Undergraduate certificate or diploma, including those leading to a license (example: cosmetology)

0 = Not undergraduate certificate/diploma

1 = Yes, undergraduate certificate/diploma

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12ADGPB

NPSAS degree: postbaccalaureate certificate

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Postbaccalaureate certificate

0 = Not postbaccalaureate certificate

1 = Yes, postbaccalaureate certificate

Applies To: B&B:08/09 nonrespondents.

Source: B&B:08/12 Full-scale Student Interview

B12ADGPM

NPSAS degree: post-master's certificate

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Post-master's certificate

0 = Not post-master's certificate

Applies To: B&B:08/09 nonrespondents.

Source: B&B:08/12 Full-scale Student Interview

B12ADGDRPP

NPSAS degree: doctoral degree-professional

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Doctoral degree - professional practice (including chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, or veterinary medicine)

0 = Not professional doctoral degree

1 = Yes, professional doctoral degree

Applies To: B&B:08/09 nonrespondents.

Source: B&B:08/12 Full-scale Student Interview

0 = Not postbaccalaureate certificate

1 = Yes, postbaccalaureate certificate

Applies To: B&B:08/09 nonrespondents.

Source: B&B:08/12 Full-scale Student Interview

B12ADGRO

NPSAS degree: doctoral degree-other

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Doctoral degree - other (any doctor's degree that is not research/scholarship or professional practice)

0 = Not postbaccalaureate certificate

1 = Yes, postbaccalaureate certificate

Applies To: B&B:08/09 nonrespondents.

Source: B&B:08/12 Full-scale Student Interview

B12ADGUND

NPSAS degree: undergraduate, no degree program

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If

{COMPMODE = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Undergraduate level classes

0 = Not undergraduate no degree program
 1 = Yes, undergraduate no degree program
Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].
 Source: B&B:08/12 Full-scale Student Interview

B12ADGGNG

NPSAS degree: graduate, no degree program

What degree or certificate were you working on during your last term of enrollment at [NPSAS] in the 2007-08 school year (July 1, 2007 - June 30, 2008)? [If {COMPmode = 1} I {else} We] will ask you about any more recent enrollment at [NPSAS] later in the survey.)

Graduate level classes

0 = Not graduate no degree program
 1 = Yes, graduate no degree program

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AMULTDG

Working on bachelor's at NPSAS between July 1, 2007 and June 30, 2008

Were you working on a bachelor's degree at [NPSAS] at any time during the 2007-08 school year (July 1, 2007 - June 30, 2008)?

0 = Did not work on bachelor's
 1 = Yes, worked on bachelor's

Applies To: Respondents who did not complete the BB:08/09 interview and indicated that they did not work on a bachelor's degree at their NPSAS school between July 1, 2007 - June 30, 2008. Where: [B&B:08/09 nonrespondent] and B12ADGBA = 0.

Source: B&B:08/12 Full-scale Student Interview

B12AREQ

Completed bachelor's requirements b/w July 1, 2007 and June 30, 2008

Did you complete the requirements for your bachelor's degree while you were enrolled at [NPSAS] during the 2007-08 school year (July 1, 2007 - June 30, 2008)? (The date when you completed your requirements and the date when you were awarded your degree may be different.)

0 = Did not complete bachelor's in 2007-08
 1 = Yes, completed bachelor's in 2007-08

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AAWRDMDY

Date awarded bachelor's degree from NPSAS

In what month and year were you awarded your bachelor's degree from [NPSAS]? (The date when you completed your requirements and the date when you

were awarded your degree may be different.) (Please select both a month and a year from the dropdowns.) B12AAWRDMDY is provided in the YYYYMM format. Month values of 00 indicate a missing month.

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AAWRDNO

Date awarded bachelor's degree from NPSAS: don't know
 In what month and year were you awarded your bachelor's degree from [NPSAS]? (The date when you completed your requirements and the date when you were awarded your degree may be different.) (Please select both a month and a year from the dropdowns.) Check here if you were never awarded your degree

0 = Received bachelor's degree

Applies To: B&B:08/09 nonrespondents. Where: [B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12AMARR

Current marital status

So [if {COMPmode = 1} I {else} we] can customize this interview for you, [if {COMPmode = 1} I {else} we] need to ask a few questions about you and your household. What is your current marital status?

1 = Single, never married
 2 = Married
 4 = Separated
 5 = Divorced
 6 = Widowed

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AFINCON

Shares financial responsibilities with household adult

Is there another adult in your household with whom you are sharing financial responsibilities and decisions, such as income, bills, and budgeting?

0 = No adult shares household finances
 1 = Yes, adult shares household finances

Applies To: Respondents who were not married. Where: B12AMARR ne 2.

Source: B&B:08/12 Full-scale Student Interview

B12AFINWHO

Adult in household who shares financial responsibilities

Which best describes this person? Would you say a...

1 = Domestic partner or spouse
 2 = Boyfriend or girlfriend
 3 = Parent
 4 = Sibling
 5 = Friend or roommate
 6 = Other

Appendix F. Facsimiles

Applies To: Respondents who were not married and shared household responsibilities with another person. *Where:*
B12AMARR ne 2 and B12AFINCON = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ASPODP

Household composition: live with spouse or domestic partner

Do you currently live with a...

Spouse or partner

- 0 = Does not live with spouse or partner
- 1 = Yes, live with spouse or partner

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12ADPNTS

Household composition: live with dependents

Do you currently live with a...

Children and/or other dependents

- 0 = Does not live with dependents
- 1 = Yes, live with dependents

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12APARIL

Household composition: live with parents or in-laws

Do you currently live with a...

Parents or in-laws

- 0 = Does not live with parents or in-laws
- 1 = Yes, live with parents or in-laws

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AHOTH

Household composition: live with other

Do you currently live with a...

Another person (e.g., roommate)

- 0 = Does not live with others (not listed)
- 1 = Yes, live with others (not listed)

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12AALONE

Household composition: live alone

Do you currently live with a...

Live alone

- 0 = Does not live alone
- 1 = Yes, lives alone

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

Section 2: Undergraduate Education

B12BNFST

NPSAS first college enrolled

Was [NPSAS] the first college, university, or trade school you enrolled in after completing your high school requirements?

0 = Not the first school after high school

1 = Yes, the first school after high school

Applies To: B&B:08/09 nonrespondents. Where:

[B&B:08/09 nonrespondent].

Source: B&B:08/12 Full-scale Student Interview

B12BFSTMY

Date first attended any college

In what month and year did you first attend any college, university, or trade school after completing your high school requirements? (Please select both a month and a year from the dropdowns.)

B12BFSTMY is provided in the YYYYMM format.

Month values of 00 indicate a missing month. Dates after December 2005 (200512) were replaced with a -6 to indicate that the value was out of range.

Applies To: B&B:08/09 nonrespondents whose NPSAS institution was not the first college, university, or trade school attended after high school. Where: [B&B:08/09 nonrespondent] and B12BNFST ne 1.

Source: B&B:08/12 Full-scale Student Interview

Section 3: Postbaccalaureate Education/Training

B12CPSTGRD

Attended additional degree/ cert program since bachelor's degree
[If [BA completion date not missing]]

Have you attended a college, university, or trade school for an additional degree or certificate since [BA completion date]? (Do not include professional certifications such as those earned through a week-long training course.)

[else]

Have you attended a college, university, or trade school for an additional degree or certificate since completing your bachelor's degree requirements?

(Do not include professional certifications such as those earned through a week-long training course.)

- 0 = Did not attend for additional degree
- 1 = Yes, attended for additional degree
- 2 = Will attend for additional degree in 2012-13

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CIPED01

Postbaccalaureate school 1: IPEDS

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

NOTE: The institution identification number from the US Department of Education's Integrated

Postsecondary Education Data System (IPEDS). This value is provided when the institution is coded using the IPEDS coder in the B&B:08/12 student interview. IPEDS IDs of 99999* are given to uncodeable schools:

999996 - Foreign school

999997 - City known and state known

999998 - City unknown, state known

999999 - State unknown

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CSCH01

Postbaccalaureate school 1: name

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city

and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

School name.

NOTE: If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CCT01

Postbaccalaureate school 1: city

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

City.

NOTE: City where the institution is located. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CST01

Postbaccalaureate school 1: state

[If COMPMODE = 0]

What is the name of that school? (Hints: Do not use abbreviations or acronyms such as ASU for Arizona State University. Entering a school name with the city and state will help to limit the number of schools displayed.)

[else]

What is the name of that school, and in what city and state is it located? Please bear with me as I code this - IT SHOULD JUST TAKE A SECOND.

State.

NOTE: A numeric code for the state in which the institution is located. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

1 = Alabama	27 = Montana
2 = Alaska	28 = Nebraska
3 = Arizona	29 = Nevada
4 = Arkansas	30 = New Hampshire
5 = California	31 = New Jersey
6 = Colorado	32 = New Mexico
7 = Connecticut	33 = New York
8 = Delaware	34 = North Carolina
9 = District of Columbia	35 = North Dakota
10 = Florida	36 = Ohio
11 = Georgia	37 = Oklahoma
12 = Hawaii	38 = Oregon
13 = Idaho	39 = Pennsylvania
14 = Illinois	40 = Rhode Island
15 = Indiana	41 = South Carolina
16 = Iowa	42 = South Dakota
17 = Kansas	43 = Tennessee
18 = Kentucky	44 = Texas
19 = Louisiana	45 = Utah
20 = Maine	46 = Vermont
21 = Maryland	47 = Virginia
22 = Massachusetts	48 = Washington
23 = Michigan	49 = West Virginia
24 = Minnesota	50 = Wisconsin
25 = Mississippi	51 = Wyoming
26 = Missouri	52 = Puerto Rico
	63 = Foreign country

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CLEVL01

Postbaccalaureate school 1: level

Is this school...

Level.

NOTE: Indicates the length of time it takes to complete the highest level of program offered by the institution. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

1 = 4-year
2 = 2-year
3 = Less-than-2-year

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CCTRL01

Postbaccalaureate school 1: control

Is this school...

Control.

NOTE: The institution control is a classification of whether an institution is operated by publicly elected/appointed officials or by privately elected/appointed officials and derives its major source of funds from private sources. If the institution is successfully coded using the IPEDS coder in the B&B:08/12 student interview, this information comes from IPEDS; otherwise, this information is provided by the respondent.

Public institution - An educational institution whose programs and activities are operated by publicly elected or appointed school officials and which is supported primarily by public funds.

Private nonprofit institution - A private institution in which the individual(s) or agency in control receives no compensation, other than wages, rent, or other expenses for the assumption of risk. These include both independent nonprofit schools and those affiliated with a religious organization.

Private for-profit institution – A private institution in which the individual(s) or agency in control receives compensation other than wages, rent, or other expenses for the assumption of risk.

1 = Public

2 = Private nonprofit

3 = Private for-profit

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview, IPEDS 2011

B12CIPDUC01

Postbaccalaureate school 1: school coded after interview

NOTE: Respondents entered text strings for school name, city and state, then selected a corresponding school using the IPEDS coder built into the instrument. In some cases, respondents did not select a school in the coder. Survey contractor staff attempted to code these schools and when they were able to do so, this flag was set to 1. If the flag was set to 1, the following variables were changed to reflect the new code selected:

B12CIPED01, B12CSCH01, B12CCT01, B12CST01, B12CLEVL01, B12CCTRL01.

0 = Not upcoded

1 = Yes, upcoded

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CCREN01

Postbaccalaureate school 1: currently attending

Are you currently attending [B12CSCH01]?

- 0 = Not currently attending
- 1 = Yes, currently attending

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CDEG01

Postbaccalaureate school 1: degree or certificate type

[If [currently enrolled at postbaccalaureate school 1]] What degree or certificate are you working on at [B12CSCH01]? (You can select only one degree now. You will have an opportunity to tell us about other degrees and certificates later.)

[else]

What degree or certificate were you working on at [B12CSCH01]? (You can select only one degree now. You will have an opportunity to tell us about other degrees and certificates later.)

- 1 = Undergraduate certificate or diploma
- 2 = Associate's degree
- 3 = Bachelor's degree
- 4 = Postbaccalaureate certificate
- 5 = Master's degree
- 6 = Post-master's certificate
- 7 = Doctoral degree -- professional practice
- 8 = Doctoral degree -- research/scholarship
- 9 = Doctoral degree -- other

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CFENMY01

Postbaccalaureate school 1: date first attended

In what month and year did you first attend [B12CSCH01] for your [B12CDEG01]?

NOTE: B12CFENMY01 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CERN01

Postbaccalaureate school 1: completed degree

Have you completed your program of study and received your [B12CDEG01] from [B12CSCH01]?

- 0 = Did not complete degree
- 1 = Yes, completed degree

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Recode note: If [currently enrolled at postbaccalaureate school 1] then B12CERN01 = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CDGMY01

Postbaccalaureate school 1: date degree awarded

In what month and year was your [B12CDEG01] awarded by [B12CSCH01]?

NOTE: B12CDGMY01 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate and received the degree or certificate from postbaccalaureate school 1. Where: B12CPSTGRD = 1 and B12CERN01 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CLENMY01

Postbaccalaureate school 1: date last attended

In what month and year did you last attend [B12CSCH01] for your [B12CDEG01]?

NOTE: B12CLENMY01 is presented in YYYYMM format. Month values of 00 indicate a missing month.

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate, but were not currently attending that school and had not received that degree or certificate. Where: B12CPSTGRD = 1 and ([not currently enrolled at postbaccalaureate school 1] and B12CERN01 ne 1).

Source: B&B:08/12 Full-scale Student Interview

B12CFED01

Postbaccalaureate school 1: aid type: federal student loans

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Federal student loans.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 Neither 1729 11.9

- 1 = Education expenses only

- 2 = Living expenses only

- 3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPRIV01

Postbaccalaureate school 1: aid type: private student loans

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money

for education expenses, living expenses, both education and living expenses, or neither.

Alternative or private student loans.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CGRANT01

Postbaccalaureate school 1: aid type: grants or scholarships

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Grants or scholarships.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CASST01

Postbaccalaureate school 1: aid type: assistantships or fellowships

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Assistantships or fellowships.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CWRKSDY01

Postbaccalaureate school 1: aid type: federal work-study

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Federal Work-Study.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CEMPAI01

Postbaccalaureate school 1: aid type: employer assistance

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Employer assistance.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CGIFT01

Postbaccalaureate school 1: aid type: personal loan or gift

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Personal loan or gift.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

Appendix F. Facsimiles

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPOCKET01

Postbaccalaureate school 1: aid type: own money

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Your own money.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12COTHAID01

Postbaccalaureate school 1: aid type: other

Now [{if COMPMODE = 1} I {else} we] would like to find out about how you have paid for your [B12CDEG01] at [B12CSCH01]. Of the following sources, please indicate whether you used the money for education expenses, living expenses, both education and living expenses, or neither.

Other.

NOTE: Students who did not use this type of funding may not have answered this item, and would therefore be coded as a -9 (Missing).

0 = Neither

1 = Education expenses only

2 = Living expenses only

3 = Both education and living expenses

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where: B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CALTDIFF

Alternate postbaccalaureate plan: enrolled in a different program

[If [one postbaccalaureate school and degree]]

If you had not enrolled in your [B12CDEG01] program at [B12CSCH01] after completing your bachelor's degree, would you have...

[else]

If you had not enrolled in your most recent degree or certificate program after completing your bachelor's degree, would you have...

0 = Would not have enrolled in different program

1 = Yes, would have enrolled in different program

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CALTWORK

Alternate postbaccalaureate plan: worked for pay or worked more hours

[If [one postbaccalaureate school and degree]]

If you had not enrolled in your [B12CDEG01] program at [B12CSCH01] after completing your bachelor's degree, would you have...

[else]

If you had not enrolled in your most recent degree or certificate program after completing your bachelor's degree, would you have...

0 = Would not have worked for pay or more hours

1 = Yes, would have worked for pay or more hours

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CALTELSE

Alternate postbaccalaureate plan: done something else

[If [one postbaccalaureate school and degree]]

If you had not enrolled in your [B12CDEG01] program at [B12CSCH01] after completing your bachelor's degree, would you have...

[else]

If you had not enrolled in your most recent degree or certificate program after completing your bachelor's degree, would you have...

0 = Would not have done something else

1 = Yes, would have done something else

Applies To: Respondents who reported attending at least one school for a postbaccalaureate degree or certificate. Where:

B12CPSTGRD = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CLICENSE

Had industry certification or occupational license

[If (B12CDEG* in (1 4 6) and B12CERN* = 1) in the same iteration]

Earlier you mentioned earning a certificate or diploma. Is it...

[else]

Do you have...

An industry certification or occupational license? (e.g., Registered nurse, Elementary/secondary teacher, CPA (certified public accountant), Personal fitness trainer)

0 = Did not have industry certification or occ license

1 = Yes, had industry certification or occ license

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CCERT

Had vocational or technical certificate

[If (B12CDEG* in (1 4 6) and B12CERN* = 1) in the same iteration]

Earlier you mentioned earning a certificate or diploma.

Is it...

[else]

Do you have...

A vocational or technical certificate or diploma? (e.g., Information technology, Cosmetology, EMT/paramedic, Automotive repair)

0 = Did not have voc/technical certificate or diploma

1 = Yes, had voc/technical certificate or diploma

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12CUGLN

Had undergraduate loans

[If [BA completion date not missing]]

Other than money you may have borrowed from family or friends, did you take out any type of student loans to help pay for your undergraduate education? Do not consider any loans you may have taken out after [BA completion date] in your answer.

[else]

Other than money you may have borrowed from family or friends, did you take out any type of student loans to help pay for your undergraduate education? Do not consider any loans you may have taken out after the 2007-08 school year (July 1, 2007 - June 30, 2008) in your answer.

0 = Did not have undergraduate student loans

1 = Yes, had undergraduate student loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CUGLN = 0; if B12CLNFED = 0 and B12CLNPRI = 0 and B12CLNELSE = 0 then B12CUGLN = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CLNFED

Type of undergraduate loan: federal

What type of loans did you take out to help pay for your undergraduate education?

Federal student loans (e.g., Stafford, Perkins)

0 = Did not have undergraduate federal loans

1 = Yes, had undergraduate federal loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CLNFED = 0; if B12CUGLN = 0 then B12CLNFED = 0; if B12CNOFED = 1 then B12CLNFED = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CLNPRI

Type of undergraduate loan: private

What type of loans did you take out to help pay for your undergraduate education?

Alternative or private student loans

0 = Did not have undergraduate private loans

1 = Yes, had undergraduate private loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CLNPRI = 0; if B12CUGLN = 0 then B12CLNPRI = 0; if B12CPRVNO = 1 then B12CLNPRI = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CLNELSE

Type of undergraduate loan: other

What type of loans did you take out to help pay for your undergraduate education?

Other types of loans

0 = Did not have other type of undergraduate loans

1 = Yes, had other type of undergraduate loans

Applies To: All respondents.

Recode note: If [no indication of receiving student loans] then B12CLNELSE = 0; if B12CUGLN = 0 then B12CLNELSE = 0.

Source: B&B:08/12 Full-scale Student Interview

B12CELMEST

Estimated monthly federal student loan payment

Please indicate the range that best represents the total current monthly payment for your federal student loans. Would you say it was...

0 = \$0.00

1 = \$0.01 - \$49.99

2 = \$50.00 - \$99.99

3 = \$100.00 - \$149.99

4 = \$150.00 - \$199.99

5 = \$200.00 - \$249.99

6 = \$250.00 - \$499.99

7 = \$500.00 - \$749.99

8 = \$750.00 - \$999.99

9 = \$1000.00 or more

Applies To: Respondents who did not provide their monthly federal loan payment amount and did not participate in the abbreviated interview, or respondents who were actively repaying federal student loans and participated in the abbreviated interview. Where: (B12CELMOS = -9 and ABBREV ne 1) or (B12CELNSTAT in (1 2 3) and ABBREV = 1).

Appendix F. Facsimiles

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVEST

Estimated amount of private student loans

Please indicate the range for how much you borrowed in alternative or private loans. Would you say it was...

- 0 = \$0 91
- 1 = \$1 - \$9,999 99
- 2 = \$10,000 - \$19,999
- 3 = \$20,000 - \$29,999
- 4 = \$30,000 - \$39,999
- 5 = \$40,000 - \$49,999
- 6 = \$50,000 - \$59,999
- 7 = \$60,000 - \$69,999
- 8 = \$70,000 - \$79,999
- 9 = \$80,000 - \$89,999
- 10 = \$90,000 - \$99,999
- 11 = \$100,000 or more

Applies To: Respondents who did not indicate they did not receive private loans, did not provide the total amount of private student loans borrowed for their education and did not participate in the abbreviated interview, or respondents who did not indicate that they did not receive private loans and participated in the abbreviated interview. Where: ([No indication of not receiving private loans] and B12CPRIVAMT = -9 and ABBREV ne 1) or ([no indication of not receiving private loans] and B12CPRIVNO2 ne 1 and ABBREV = 1).

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVNO2

No private student loans

Please indicate the range for how much you borrowed in alternative or private loans. Would you say it was...
Did not have any alternative or private student loans

- 0 = Yes, had private student loans
- 1 = Did not have private student loans

Applies To: Respondents who did not previously indicate that they did not receive private loans and did not participate in the abbreviated interview. Where: [No indication of not receiving private loans] and ABBREV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVSTAT

Private student loan status

What is the status of your alternative or private loans?
Are you in repayment? (Please answer based on any alternative or private student loans you have, including loans for your bachelor's degree and for any education since your bachelor's degree.)

- 1 = Repaying the original payment amount
- 2 = Repaying a different payment amount
- 3 = Repaying through collections after a loan default
- 4 = Some have been paid but still repaying others
- 5 = Temporarily deferring payment
- 6 = Other
- 7 = Already paid off

Applies To: Respondents who did not indicate they did not receive private loans, the total amount and total estimated amount of private loans borrowed was not equal to 0, their private loans had not been paid off and did not participate in the abbreviated interview, or respondents who did not indicate they did not receive private loans, the total estimated amount of private loans borrowed was not equal to 0 and participated in the abbreviated interview. Where: ([No indication of not receiving private loans] and B12CPRIVNO ne 1 and B12CPRIVAMT ne 0 and B12CPRIVEST ne 0 and B12CPRIVOWE ne 1 and ABBREV ne 1) or ([no indication of not receiving private loans] and B12CPRIVNO2 ne 1 and B12CPRIVEST ne 0 and ABBREV = 1).

Source: B&B:08/12 Full-scale Student Interview

B12CPRIVPEST

Estimated monthly private student loan payment

Please indicate the range that best represents the total current monthly payment for your alternative or private loans. Would you say it was...

- 0 = \$0.00
- 1 = \$0.01 - \$49.99
- 2 = \$50.00 - \$99.99
- 3 = \$100.00 - \$149.99
- 4 = \$150.00 - \$199.99
- 5 = \$200.00 - \$249.99
- 6 = \$250.00 - \$499.99
- 7 = \$500.00 - \$749.99
- 8 = \$750.00 - \$999.99
- 9 = \$1000.00 or more

Applies To: Respondents who did not provide their monthly private loan payment amount and did not participate in the abbreviated interview, or respondents who were actively repaying private student loans and participated in the abbreviated interview. Where: (B12CPRIVPMT = -9 and ABBREV ne 1) or (B12CPRIVSTAT in (1 2 3 4) and ABBREV = 1).

Source: B&B:08/12 Full-scale Student Interview

Section 4: Postbaccalaureate Employment

B12DANYJOBS

Worked for pay since earning your bachelor's degree

[If [BA completion date not missing]]

Have you been employed at any time since [BA completion date]?
[else]

Have you been employed at any time since...

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTxx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Had not worked for pay

1 = Yes, had worked for pay

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPSLF01

Employer grid 1: self-employed

[If [BA completion date not missing]]

Please tell [if {COMPMODE = 1} me {else} us] about the first employer you had after completing your bachelor's degree in [BA completion date]. If you started a job before graduation, but continued after graduation, [if {COMPMODE = 1} I {else} we] would like to know about that job first.
[else]

Please tell [if {COMPMODE = 1} me {else} us] about the first employer you had after completing your bachelor's degree in the 2007-08 school year (July 1, 2007 - June 30, 2008). If you started a job before graduation, but continued after graduation, [if {COMPMODE = 1} I {else} we] would like to know about that job first.

Check here if you are/were self-employed

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTxx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Not self-employed

1 = Yes, self-employed

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK07JL01

Employer grid 1: employed July 2007

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?
[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?
July 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx B12DEMPAMTxx, B12DEMPAT2xx B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2007

1 = Yes, worked in July 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to August 2007. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to August 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07AG01

Employer grid 1: employed August 2007

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2007

1 = Yes, worked in August 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to September 2007. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to September 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07SP01

Employer grid 1: employed September 2007

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx,

B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2007

1 = Yes, worked in September 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to October 2007. Where: B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to October 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07OC01

Employer grid 1: employed October 2007

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2007

1 = Yes, worked in October 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to November 2007. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to November 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07NV01*Employer grid 1: employed November 2007*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2007

1 = Yes, worked in November 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to December 2007. Where: B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to December 2007].

Source: B&B:08/12 Full-scale Student Interview

B12DWK07DC01*Employer grid 1: employed December 2007*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2007

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2007

1 = Yes, worked in December 2007

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to January 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to January 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08JA01*Employer grid 1: employed January 2008*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to February 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to February 2008].

0 = Did not work in January 2008

1 = Yes, worked in January 2008

Source: B&B:08/12 Full-scale Student Interview

B12DWK08FB01

Employer grid 1: employed February 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2008

1 = Yes, worked in February 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to March 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to March 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08MR01

Employer grid 1: employed March 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2008

1 = Yes, worked in March 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to April 2008. Where: B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to April 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08AP01

Employer grid 1: employed April 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2008

1 = Yes, worked in April 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to May 2008. Where:

B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to May 2008].

Source: B&B:08/12 Full-scale Student Interview

B12DWK08MY01*Employer grid 1: employed May 2008*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2008

1 = Yes, worked in May 2008

*Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and completed their requirements prior to June 2008. Where:**B12DANYJOBS = 1 and [completed bachelor's degree requirements prior to June 2008].*

Source: B&B:08/12 Full-scale Student Interview

B12DWK08JN01*Employer grid 1: employed June 2008*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2008

1 = Yes, worked in June 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08JL01*Employer grid 1: employed July 2008*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2008

1 = Yes, worked in July 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08AG01*Employer grid 1: employed August 2008*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Appendix F. Facsimiles

Since completing your bachelor's degree requirements,
in which months have you been employed by
[employer 1]?

August 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx, B12DEMPAMTxx, B12DEMPAT2xx, B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2008

1 = Yes, worked in August 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08SP01

Employer grid 1: employed September 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx, B12DEMPAMTxx, B12DEMPAT2xx, B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2008

1 = Yes, worked in September 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08OC01

Employer grid 1: employed October 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx, B12DEMPAMTxx, B12DEMPAT2xx, B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2008

1 = Yes, worked in October 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08NV01

Employer grid 1: employed November 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2008

1 = Yes, worked in November 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK08DC01

Employer grid 1: employed December 2008

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2008

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2008

1 = Yes, worked in December 2008

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09FB01

Employer grid 1: employed February 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2009

1 = Yes, worked in January 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09JA01

Employer grid 1: employed January 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2009

1 = Yes, worked in February 2009

Appendix F. Facsimiles

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. *Where:* B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09MR01

Employer grid 1: employed March 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month),
B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFTxx, and B12DEMPFT2xx.

0 = Did not work in March 2009

1 = Yes, worked in March 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. *Where:* B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09AP01

Employer grid 1: employed April 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are:

(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFTxx, and B12DEMPFT2xx.

0 = Did not work in April 2009

1 = Yes, worked in April 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. *Where:* B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09MY01

Employer grid 1: employed May 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFTxx, and B12DEMPFT2xx.

0 = Did not work in May 2009

1 = Yes, worked in May 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. *Where:* B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09JN01

Employer grid 1: employed June 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2009

1 = Yes, worked in June 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09JL01

Employer grid 1: employed July 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2009

1 = Yes, worked in July 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09AG01

Employer grid 1: employed August 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2009

1 = Yes, worked in August 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09SP01

Employer grid 1: employed September 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

Appendix F. Facsimiles

that employer. The variables included in this loop are:
(where xx = loop iteration)
B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPMSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2009

1 = Yes, worked in September 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09OC01

Employer grid 1: employed October 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPMSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2009

1 = Yes, worked in October 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09NV01

Employer grid 1: employed November 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPMSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2009

1 = Yes, worked in November 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK09DC01

Employer grid 1: employed December 2009

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2009

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and
mm = month), B12DEMPMSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2009

1 = Yes, worked in December 2009

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10JA01

Employer grid 1: employed January 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2010

1 = Yes, worked in January 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10FB01

Employer grid 1: employed February 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are:

(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2010

1 = Yes, worked in February 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10MR01

Employer grid 1: employed March 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2010

1 = Yes, worked in March 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10AP01

Employer grid 1: employed April 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2010

1 = Yes, worked in April 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10MY01

Employer grid 1: employed May 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2010

1 = Yes, worked in May 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10JN01

Employer grid 1: employed June 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2010

1 = Yes, worked in June 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10JL01

Employer grid 1: employed July 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2010

1 = Yes, worked in July 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10AG01

Employer grid 1: employed August 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2010

1 = Yes, worked in August 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10SP01

Employer grid 1: employed September 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2010

1 = Yes, worked in September 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10OC01

Employer grid 1: employed October 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2010

1 = Yes, worked in October 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10NV01

Employer grid 1: employed November 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2010

1 = Yes, worked in November 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK10DC01

Employer grid 1: employed December 2010

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2010

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month),
B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2010

1 = Yes, worked in December 2010

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11JA01

Employer grid 1: employed January 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2011

1 = Yes, worked in January 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11FB01*Employer grid 1: employed February 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2011

1 = Yes, worked in February 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11MR01*Employer grid 1: employed March 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2011

1 = Yes, worked in March 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11AP01*Employer grid 1: employed April 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2011

1 = Yes, worked in April 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11MY01*Employer grid 1: employed May 2011*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

Appendix F. Facsimiles

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2011

1 = Yes, worked in May 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11JN01

Employer grid 1: employed June 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month),
B12DEMPSMYxx, B12DWKPRIxx,
B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,
B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2011

1 = Yes, worked in June 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11JL01

Employer grid 1: employed July 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2011

1 = Yes, worked in July 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11AG01

Employer grid 1: employed August 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2011

1 = Yes, worked in August 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11SP01

Employer grid 1: employed September 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2011

1 = Yes, worked in September 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11OC01

Employer grid 1: employed October 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2011

1 = Yes, worked in October 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11NV01

Employer grid 1: employed November 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2011

1 = Yes, worked in November 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK11DC01

Employer grid 1: employed December 2011

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2011

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2011

1 = Yes, worked in December 2011

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12JA01

Employer grid 1: employed January 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

January 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2012

1 = Yes, worked in January 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12FB01

Employer grid 1: employed February 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2012

1 = Yes, worked in February 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12MR01

Employer grid 1: employed March 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2012

1 = Yes, worked in March 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12AP01

Employer grid 1: employed April 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2012

1 = Yes, worked in April 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12MY01

Employer grid 1: employed May 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

May 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in May 2012

1 = Yes, worked in May 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12JN01

Employer grid 1: employed June 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

June 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in June 2012

1 = Yes, worked in June 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 $B12DANYJOBS = 1$.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12JL01

Employer grid 1: employed July 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

July 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in July 2012

1 = Yes, worked in July 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 $B12DANYJOBS = 1$.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12AG01

Employer grid 1: employed August 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

August 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-

scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in August 2012

1 = Yes, worked in August 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
 $B12DANYJOBS = 1$.

Source: B&B:08/12 Full-scale Student Interview

B12DWK12SP01

Employer grid 1: employed September 2012

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

September 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in September 2012

1 = Yes, worked in September 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after August 2012. Where: $B12DANYJOBS = 1$ and [saw item after August 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK12OC01*Employer grid 1: employed October 2012*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

October 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in October 2012

1 = Yes, worked in October 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after September 2012. Where: B12DANYJOBS = 1 and [saw item after September 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK12NV01*Employer grid 1: employed November 2012*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

November 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx,

B12DBKLEVxx, B12DBKOTHxx

B12DEMPAMTxx, B12DEMPAT2xx

B12DEMPTIMxx, B12DEMPTM2xx,

B12DEMPHRSxx, B12DEMPHR2xx,

B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in November 2012

1 = Yes, worked in November 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after October 2012. Where: B12DANYJOBS = 1 and [saw item after October 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK12DC01*Employer grid 1: employed December 2012*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

December 2012

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPMSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in December 2012

1 = Yes, worked in December 2012

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after November 2012. Where: B12DANYJOBS = 1 and [saw item after November 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13JA01*Employer grid 1: employed January 2013*

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

Appendix F. Facsimiles

January 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in January 2013

1 = Yes, worked in January 2013

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after December 2012. Where: B12DANYJOBS = 1 and [saw item after December 2012].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13FB01

Employer grid 1: employed February 2013

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

February 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in February 2013

1 = Yes

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item

after January 2013. Where: B12DANYJOBS = 1 and [saw item after January 2013].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13MR01

Employer grid 1: employed March 2013

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

March 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in March 2013

1 = Yes, worked in March 2013

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after February 2013. Where: B12DANYJOBS = 1 and [saw item after February 2013].

Source: B&B:08/12 Full-scale Student Interview

B12DWK13AP01

Employer grid 1: employed April 2013

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

April 2013

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for

that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work in April 2013

1 = Yes, employed in April 2013

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and saw this item after March 2013. Where: B12DANYJOBS = 1 and [saw item after March 2013].

Source: B&B:08/12 Full-scale Student Interview

B12DWKPRI01

Employer grid 1: worked in this job prior to receiving bachelor's degree

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

Began working for [B12DEMPNAM01] prior to completing bachelor's degree requirements.

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Did not work prior to 2007–08 school year

1 = Yes, worked prior to 2007–08 school year

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPSMY01

Employer grid 1: start date

[If [BA completion date not missing]]

Since [BA completion date], in which months have you been employed by [employer 1]?

[else]

Since completing your bachelor's degree requirements, in which months have you been employed by [employer 1]?

Start date. B12DEMPSMY01 is provided in the YYYYMM format.

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPCUR01

Employer grid 1: currently employed

Are you currently employed by [employer 1]?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are:
(where xx = loop iteration) B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Not currently employed with employer 1

1 = Yes, currently employed with employer 1

Appendix F. Facsimiles

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Recode note: If [not employed with employer 1 during month received item] then B12DEMPCUR01 = 0.

Source: B&B:08/12 Full-scale Student Interview

B12DBKTMP01

Employer grid 1: employment break: seasonal or temporary

Based on the dates you provided, it appears that there was a break in your employment with [employer 1] (i.e., it was not one continuous period). Why were you not employed during the time you indicated?

Employment was seasonal or temporary

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Break in employment was not seasonal or temporary

1 = Yes, break in employment was seasonal or temporary

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and had a break in their employment with employer 1. Where: **B12DANYJOBS = 1** and [break in employment with employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DBKRES01

Employer grid 1: employment break: resigned

Based on the dates you provided, it appears that there was a break in your employment with [employer 1] (i.e., it was not one continuous period). Why were you not employed during the time you indicated?

Resigned or left [B12DEMPNAM01]

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Break in employment was not due to resignation

1 = Yes, break in employment was due to resignation

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and had a break in their employment with employer 1. Where:

B12DANYJOBS = 1 and [break in employment with employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DBKLEV01

Employer grid 1: employment break: medical, personal, family leave

Based on the dates you provided, it appears that there was a break in your employment with [employer 1] (i.e., it was not one continuous period). Why were you not employed during the time you indicated?

Took a medical, personal, or family leave

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Break in employment not due to med/personal leave

1 = Yes, break in employment due to med/personal leave

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and had a break in their employment with employer 1. Where:

B12DANYJOBS = 1 and [break in employment with employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DBKOTH01*Employer grid 1: employment break: other reason*

Based on the dates you provided, it appears that there was a break in your employment with [employer 1] (i.e., it was not one continuous period). Why were you not employed during the time you indicated?

[If COMPMODE = 0] Other reason(s) [else] Any other reasons?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

0 = Break in employment not due to other reasons

1 = Yes, break in employment due to other reasons

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements and had a break in their employment with employer 1. Where:

B12DANYJOBS = 1 and [break in employment with employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DEMPHRS01*Employer grid 1: starting job hours per week*

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

On average, how many hours per week did you work in your starting job?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPAMT01*Employer grid 1: starting job salary amount*

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

What was your starting salary including bonuses, tips, and commissions?

NOTE: This question was asked in two parts: respondents were asked to provide a salary dollar amount (B12DEMPAMT01) and then indicate the time frame for that salary (B12DEMPTIM01). Therefore, this variable includes salary amounts reported in hourly, weekly, monthly, and yearly amounts. These data must be combined with the accompanying time frame data for this job in order to be analyzed. This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx,
B12DEMPHRSxx, B12DEMPHR2xx,
B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:
B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTIM01

Employer grid 1: starting job salary timeframe

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

1 = Per hour

2 = Per week

3 = Per month

4 = Per year

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPFPT01

Employer grid 1: starting job status

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

Did you consider your starting job full-time or part-time?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

1 = Full-time

2 = Part-time

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Recode note: If B12DEMPHRS01 < 30 then B12DEMPFPT01 = 2; If B12DEMPHRS01 > 39 then B12DEMPFPT01 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPHR201

Employer grid 1: most recent hours

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

On average, how many hours per week do/did you work in your current/ending job?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
B12DEMPAMTxx, B12DEMPAT2xx
B12DEMPTIMxx, B12DEMPTM2xx, B12DEMPHRSxx, B12DEMPHR2xx, B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where:

B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPAT201*Employer grid 1: most recent salary amount*

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

What is/was your current/ending salary? Amount
 NOTE: This question was asked in two parts: respondents were asked to provide a salary dollar amount (B12DEMPAT201) and then indicate the time frame for that salary (B12DEMPTM201). Therefore, this variable includes salary amounts reported in hourly, weekly, monthly, and yearly amounts.

These data must be combined with the accompanying time frame data for this job in order to be analyzed. This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTM201*Employer grid 1: most recent salary timeframe*

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree),

respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

1 = Per hour

2 = Per week

3 = Per month

4 = Per year

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPFT201*Employer grid 1: most recent status*

We are interested in learning more about your employment with [employer 1] and how it may have changed. Please think back to when you were first employed by [employer 1]. What was your... [{if COMPMODE = 1} (Please collect all starting job information first, followed by [{if B12DEMPCUR01 = 1} current {else} ending] job information.)]

Do/did you consider your current/ending job full-time or part-time?

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx = loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTMPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

1 = Full-time

2 = Part-time

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Recode note: If B12DEMPHR201 < 30 then B12DEMPFT201 = 2; If B12DEMPHR201 > 39 then B12DEMPFT201 = 1.

Source: B&B:08/12 Full-scale Student Interview

B12DOTHJOB01

Employer grid 1: any other jobs since bachelor's degree
 [If [BA completion date not missing]]
 Aside from the employer(s) you already told [if {COMPMode = 1} me {else} us] about, have you worked for any other employers since completing your bachelor's degree requirements in [BA completion date]? (We are interested in full-time and part-time employment, self-employment, graduate assistantships, and paid internships.)
 [else]

Aside from the employer(s) you already told [if {COMPMode = 1} me {else} us] about, have you worked for any other employers since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (We are interested in full-time and part-time employment, self-employment, graduate assistantships, and paid internships.)

NOTE: This variable was one of a series of items presented to respondents in a loop in the B&B:12 Full-scale interview. For each employer, beginning with the first employer respondents reported working for after receiving their bachelor's degrees (including jobs continued since before the bachelor's degree), respondents were asked to report basic information for that employer. The variables included in this loop are: (where xx= loop iteration)

B12DWKyyymmxx (where yy = year and mm = month), B12DEMPSMYxx, B12DWKPRIxx, B12DEMPCURxx, B12DBKTPxx, B12DBKRESxx, B12DBKLEVxx, B12DBKOTHxx
 B12DEMPAMTxx, B12DEMPAT2xx
 B12DEMPTIMxx, B12DEMPTM2xx,
 B12DEMPHRSxx, B12DEMPHR2xx,
 B12DEMPFPTxx, and B12DEMPFT2xx.

0 = No other job since earning bachelor's degree
 1 = Yes, other job since earning bachelor's degree

Applies To: Respondents who had paid employment since completing their bachelor's degree requirements. Where: B12DANYJOBS = 1.

Source: B&B:08/12 Full-scale Student Interview

SAWJOBLOOP01

Job 1: saw job loop

This variable indicates whether the respondent received the first job loop in the B&B:08/12 interview. Questions in this loop relate to the most recent job at employer 1.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007-08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These

additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not see job loop 1

1 = Yes, saw job loop 1

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12DOTM01

Job 1: worked more than 40 hours: to earn extra money

Job title: [job title at employer 1]

Earlier you told us that you [{if B12DEMPCUR01 = 1} work {else} worked] about [hours worked per week at employer 1] hours per week in this job.

Why [{if B12DEMPCUR01 = 1} are {else} were] you working [hours worked per week at employer 1] hours per week?

To earn extra money

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007-08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work more than 40 hours to earn

more money

1 = Yes, worked more than 40 hours to earn more money

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at employer 1 for more than 40 hours per week. Where: [Job 1 selected for additional questions] and [worked more than 40 hours per week at employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DOTR01

Job 1: worked more than 40 hours: demands of job

Job title: [job title at employer 1]

Earlier you told us that you [{if}

B12DEMPCUR01 = 1} work {else} worked] about [hours worked per week at employer 1] hours per week in this job.

Why [{if B12DEMPCUR01 = 1} are {else} were] you working [hours worked per week at employer 1] hours per week?

Responsibilities of your position demand more than 40 hours per week

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work more than 40 hours due to job demands

1 = Yes, worked more than 40 hours due to job demands

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at employer 1 for more than 40 hours per week. Where: [Job 1 selected for additional questions] and [worked more than 40 hours per week at employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DOTOTH01

Job 1: worked more than 40 hours: other reason

Job title: [job title at employer 1]

Earlier you told us that you [{if}

B12DEMPCUR01 = 1} work {else} worked] about [hours worked per week at employer 1] hours per week in this job.

Why [{if B12DEMPCUR01 = 1} are {else} were] you working [hours worked per week at employer 1] hours per week?

Other reason not listed.

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked

additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Did not work more than 40 hours for other reasons

1 = Yes, worked more than 40 hours for other reasons

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at employer 1 for more than 40 hours per week. Where: [Job 1 selected for additional questions] and [worked more than 40 hours per week at employer 1].

Source: B&B:08/12 Full-scale Student Interview

B12DPREFT01

Job 1: prefer full-time

Job title: [job title at employer 1]

[If B12DEMPHRS01 ne -9 and <= 40]

Earlier you told us that you [{if}

B12DEMPCUR01 = 1} work {else} worked] about [B12DEMPHRS01] hours per week in this job. Would you [{if B12DEMPCUR01 = 1} prefer {else} have preferred] to work more hours than you [{if B12DEMPCUR01 = 1} do {else} did]?

[else]

Would you [{if B12DEMPCUR01 = 1} prefer {else} have preferred] to work more hours than you [{if B12DEMPCUR01 = 1} do {else} did]?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Would not have preferred full-time
employment

Appendix F. Facsimiles

1 = Yes, would have preferred full-time employment

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection and worked at part-time or fewer than 30 hours per week at employer 1. Where: [Job 1 selected for additional questions] and ([worked part-time at employer 1] or [worked fewer than 30 hours per week at employer 1]).

Source: B&B:08/12 Full-scale Student Interview

B12DCURL01

Job 1: start of career

Job title: [job title at employer 1]

[If B12DEMPCUR01 = 1]

Do you consider this job to be part of a career you are pursuing in your occupation or industry?

[else]

When you were employed, did you consider this job to be part of a career you were pursuing in your occupation or industry?

NOTE: When going through the B&B:08/12 Full-scale instrument, respondents were able to enter basic information about all employers they had since completing their Bachelor's degree requirements in 2007–08. In the full interview, respondents were asked additional questions for up to three of these employers. In the abbreviated interview, respondents were asked additional questions for one of these employers. These additional questions only applied to employers for which the respondent had worked more than three consecutive months. If the full interview respondent had four or more eligible employers three were selected based on recency, duration of employment, and (if necessary) random assignment. If the abbreviated interview respondent had two or more eligible employers, then one was selected based on the criteria discussed above.

0 = Job is not the start of career

1 = Yes, job is the start of career

Applies To: Respondents for whom employer 1 was selected for additional questions based on duration and recency of employment and (if needed) random selection. Where: [Job 1 selected for additional questions].

Source: B&B:08/12 Full-scale Student Interview

B12DNWLK01

Non-working span 1: activity while not working: looking for work

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Looking for work

0 = Not looking for work

1 = Yes, looking for work

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWBK01

Non-working span 1: activity while not working: break from work

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Taking a break from work

0 = Did not take a break from work

1 = Yes, took a break from work

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWES01

Non-working span 1: activity while not working: enrolled in school

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Enrolled in school

0 = Did not enroll in school

1 = Yes, enrolled in school

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWPH01

Non-working span 1: activity while not working: personal health issue

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing

while you were not employed. What were you doing from [unemployment span 1]?

Not working due to personal health issues (e.g., disabled)

0 = Not due to a personal health issue

1 = Yes, personal health issue

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWCC01

Non-working span 1: activity while not working: caring for children

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Caring for children

0 = Not caring for children

1 = Yes, caring for children

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWCO01

Non-working span 1: activity while not working: caring for family

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Caring for other family members

0 = Not caring for others

1 = Yes, caring for others

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DNWOT01

Non-working span 1: activity while not working: something else
[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

Something else

0 = Not something else

1 = Yes, something else

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans] and B12DWKING01 ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DWKING01

Non-working span 1: working during this span

[If TUNEMNPSPANS > 1]

What were you doing from [unemployment span 1]?
[else]

To better understand the employment paths of recent graduates, we would like to know what you were doing while you were not employed. What were you doing from [unemployment span 1]?

I was employed during this time period

0 = Not working during this time period

1 = Yes, working during this time period

Applies To: Respondents who had at least one period of unemployment between the time they completed their bachelor's degree requirements and the time they completed the interview that lasted three or more months. Where: [At least one unemployment spans].

Source: B&B:08/12 Full-scale Student Interview

B12DSEARCH

Looking for a job

[If [currently employed]]

Are you currently looking for a different job? (Indicate "yes" if you are looking for full-time, part-time, or graduate school jobs such as assistantships and fellowships.)
[else]

Are you currently looking for a job? (Indicate "yes" if you are looking for full-time, part-time, or graduate school jobs such as assistantships and fellowships.)

0 = Not looking for a job

1 = Yes, looking for a job

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12DEVERLK

Ever looked for work

[If [BA completion date not missing]]

Since completing your bachelor's degree requirements in [BA completion date], have you ever looked for employment?

[else]

Since completing your bachelor's degree requirements in the 2007-08 school year, have you ever looked for employment?

0 = Never looked for work since NPSAS

1 = Yes, looked for work since NPSAS

Applies To: Respondents who had not had paid employment since completing their bachelor's degree requirements and were not currently looking for a job. Where: B12DANYJOBS ne 1 and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTRV

Current activity since not employed: currently traveling

According to the information that you have provided, it does not appear you are currently employed. Are you...

Traveling (trip longer than two weeks)?

0 = Not currently travelling

1 = Yes, currently travelling

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPVOL

Current activity since not employed: currently volunteering

According to the information that you have provided, it does not appear you are currently employed. Are you...

Volunteering or participating in an unpaid internship?

0 = Not currently volunteering

1 = Yes, currently volunteering

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPHOM

Current activity since not employed: home Maker

According to the information that you have provided, it does not appear you are currently employed. Are you...

A full-time homemaker?

0 = Not currently a homemaker

1 = Yes, currently a homemaker

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently

searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPDIS

Current activity since not employed: disabled

According to the information that you have provided, it does not appear you are currently employed. Are you...

Unable to work because of a disability?

0 = Not unable to work due to disability

1 = Yes, unable to work due to disability

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPTMP

Current activity since not employed: temp layoff

According to the information that you have provided, it does not appear you are currently employed. Are you...

Temporarily laid off, on leave, or waiting to report to work for other reasons?

0 = Not temporarily laid off

1 = Yes, temporarily laid off

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12DEMPSCH

Current activity since not employed: enrolled in school

According to the information that you have provided, it does not appear you are currently employed. Are you...

Enrolled in school?

0 = Not currently enrolled in school

1 = Yes, currently enrolled in school

Applies To: Respondents who were not currently employed, not currently enrolled full-time in school, and were not currently searching for employment. Where: [Currently not employed] and [currently not enrolled full-time] and B12DSEARCH ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12EEVRTCH

Taught at K-12 level

[If B&B:08/09 respondent]

For verification, have you worked as a regular classroom teacher, itinerant teacher, support teacher, teacher's aide, substitute teacher, or student teacher at the K-12 level since you were last interviewed in [B&B:08/09 interview date]? (Indicate "yes" only for teaching positions at elementary or secondary schools. Do not include such positions as preschool teacher,

SAT tutor or piano teacher in a non-school setting, graduate teaching assistant, or guidance counselor.)
[else if BA completion date not missing]
For verification, have you worked as a regular classroom teacher, itinerant teacher, support teacher, teacher's aide, substitute teacher, or student teacher at the K-12 level since completing your bachelor's degree requirements in [BA completion date]? (Indicate "yes" only for teaching positions at elementary or secondary schools. Do not include such positions as preschool teacher, SAT tutor or piano teacher in a non-school setting, graduate teaching assistant, or guidance counselor.)

[else]

For verification, have you worked as a regular classroom teacher, itinerant teacher, support teacher, teacher's aide, substitute teacher, or student teacher at the K-12 level since completing your bachelor's degree requirements in the 2007-08 school year (July 1, 2007 - June 30, 2008)? (Indicate "yes" only for teaching positions at elementary or secondary schools. Do not include such positions as preschool teacher, SAT tutor or piano teacher in a non-school setting, graduate teaching assistant, or guidance counselor.)

0 = Have not taught since last interviewed

1 = Yes, currently work as K-12 teacher

2 = Yes, worked as K-12 teacher since last interviewed

Applies To: All respondents.

Recode note: If [selected teaching occupation code for a current position] then B12EEVRTCH = 1; if [selected teaching occupation code for a former position] then B12EEVRTCH = 2; if B12DANYJOBS = 0 and [not identified as a current or former teacher in B&B:08/09 student interview] then B12EEVRTCH = 0.

Source: B&B:08/12 Full-scale Student Interview

Section 5: K-12 Teaching

B12EPREPAR

Prepared for a K-12 teaching career

Have you done anything to prepare for a teaching career at the K-12 level? Please only include formal preparations, such as taking courses to complete an education degree, taking a certification exam, or completing a student teaching assignment.

0 = Did not prepare for teaching career

1 = Yes, prepared for teaching career

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements. Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview].

Recode note: If [indicated K-12 teaching preparation in B&B:08/09] and B12EEVRTCH not in (1 2) then
B12EPREPAR = 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECONSID

Currently considering K-12 teaching

Are you currently considering [{if B&B:08/09 teaching status = 1} going back into {else} a career in] teaching at the K-12 level?

0 = Not considering a career in teaching

1 = Yes, considering a career in teaching

Applies To: Respondents who had not held a K-12 teaching position at any time since completing their bachelor's degree requirements and had not prepared for a teaching position.

Where: [Did not select a teaching occupation code] and B12EEVRTCH not in (1 2) and [not identified as a current or former teacher in B&B:08/09 student interview] and B12EPREPAR ne 1.

Source: B&B:08/12 Full-scale Student Interview

B12ECURCRT

Currently certified as K-12 teacher

Are you currently certified to teach at the K-12 level?

0 = Not certified at the K-12 level

1 = Yes, certified at the K-12 level

Applies To: Respondents who reported a K-12 teaching position in the B&B:08/12 interview or had prepared for a teaching position. Where: [Selected a teaching occupation code for a current or former position] or B12EEVRTCH in (1 2) or B12EPREPAR = 1.

Source: B&B:08/12 Full-scale Student Interview

Section 6: Student Background

B12FMILSERV

Served in the military

Are you a veteran of, or currently serving in, the U.S. Armed Forces (on active duty, in the Reserves, or in the National Guard)?

0 = Not a veteran and had not served in Armed Forces

1 = Yes, a veteran or served in Armed Forces

Applies To: All respondents.

Recode note: If B12FMILITN = 1 then

B12FMILSERV = 0.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITA

Military status: veteran

Which of the following best describes your current military status?

Veteran

0 = Not a veteran

1 = Yes, a veteran

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITB

Military status: active duty

Which of the following best describes your current military status?

Active duty

0 = Not active duty

1 = Yes, active duty

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITC

Military status: reserves

Which of the following best describes your current military status?

Reserves

0 = Not in the Reserves

1 = Yes, in the Reserves

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITD

Military status: national guard

Which of the following best describes your current military status?

National Guard

0 = Not in National Guard

1 = Yes, in National Guard

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FMILITN

Military status: none

Which of the following best describes your current military status?

None of the above

0 = Held a military status listed

1 = Did not hold a military status listed

Applies To: Respondents who were veterans or currently serving in the U.S. Armed Forces. Where: B12FMILSERV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FDEPS

Had dependent children

One of the goals of this study is to learn about the household characteristics of people after they earn a bachelor's degree. Do you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] have any dependent children? Dependent children need not live with you. Include any children for whom you [{if B12AMARR = 2} or your spouse {else if B12AFINWHO = 1} or your partner] provide 50% or more of their financial support.

0 = No dependent children

1 = Yes, had dependent children

Applies To: All respondents.

Recode note: If B12FDEP2 = 0 then B12FDEPS = 0.

Source: B&B:08/12 Full-scale Student Interview

B12FDEP2

Number of dependent children

[If B12AMARR = 2]

How many dependent children do you or your spouse support financially?

[else if B12AFINWHO = 1]

How many dependent children do you or your partner support financially?

[else]

How many dependent children do you support financially?

Values greater than 7 were replaced with a -6 to indicate the value was out of range.

0 = 0

1 = 1

Appendix F. Facsimiles

2 = 2
3 = 3
4 = 4
5 = 5
6 = 6
7 = 7
8 = 8

Applies To: Respondents who had dependent children. *Where:*

B12FDEPS = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FINEST

Respondent's income range in 2011

[If B12AMARR = 2]

This question about your income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Excluding your spouse's income, please indicate the range that best estimates your income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, for calendar year 2011 (January 1, 2011 through December 31, 2011).

[else if B12AFINWHO = 1]

This question about your income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Excluding your domestic partner's income, please indicate the range that best estimates your income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, for calendar year 2011 (January 1, 2011 through December 31, 2011).

[else]

This question about your income is critical to understanding the financial benefits and labor market outcomes of people who have recently earned a bachelor's degree. Please indicate the range that best estimates your income from all sources (including income from work, investments, alimony, etc.) prior to taxes and deductions for calendar year 2011 (January 1, 2011 through December 31, 2011).

1 = Less than \$20,000
2 = \$20,000-\$29,999
3 = \$30,000-\$39,999
4 = \$40,000-\$49,999
5 = \$50,000-\$59,999
6 = \$60,000-\$69,999
7 = \$70,000-\$79,999
8 = \$80,000-\$89,999
9 = \$90,000-\$99,999
10 = \$100,000-\$149,999
11= \$150,000 or more

Applies To: Respondents who did not provide an income and did not participate in the abbreviated interview, or respondents who participated in the abbreviated interview. *Where:*

(B12FINCOM = -9 and ABBREV ne 1) or ABBREV = 1.

Source: B&B:08/12 Full-scale Student Interview

B12FWORTH

Undergraduate education was worth the financial cost

Do you think your undergraduate education was worth its financial cost?

0 = Undergraduate education not worth its cost

1 = Yes, undergraduate education worth its cost

Applies To: All respondents.

Source: B&B:08/12 Full-scale Student Interview

B12FWORTHG

Graduate education was worth the financial cost

Do you think your graduate education was worth its financial cost?

0 = Graduate education not worth its cost

1 = Yes, graduate education worth its cost

Applies To: Respondents who had a graduate degree. *Where:* B12CDEG01 in (5 6 7 8 9) or B12CDEG02 in (5 6 7 8 9) or B12CDEG03 in (5 6 7 8 9) or B12CDEG04 in (5 6 7 8 9) or B12CDEG05 in (5 6 7 8 9) or B12CDEG06 in (5 6 7 8 9) or B12CDEG07 in (5 6 7 8 9).

Source: B&B:08/12 Full-scale Student Interview

Preloads

Y_NPIPDS

NPSAS IPEDS ID

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPSCHL

NPSAS school name

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPCITY

NPSAS city

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPSTAT

NPSAS state

1 = Alabama	28 = Nebraska
2 = Alaska	29 = Nevada
3 = Arizona	30 = New Hampshire
4 = Arkansas	31 = New Jersey
5 = California	32 = New Mexico
6 = Colorado	33 = New York
7 = Connecticut	34 = North Carolina
8 = Delaware	35 = North Dakota
9 = District of Columbia	36 = Ohio
10 = Florida	37 = Oklahoma
11 = Georgia	38 = Oregon
12 = Hawaii	39 = Pennsylvania
13 = Idaho	40 = Rhode Island
14 = Illinois	41 = South Carolina
15 = Indiana	42 = South Dakota
16 = Iowa	43 = Tennessee
17 = Kansas	44 = Texas
18 = Kentucky	45 = Utah
19 = Louisiana	46 = Vermont
20 = Maine	47 = Virginia
21 = Maryland	48 = Washington
22 = Massachusetts	49 = West Virginia
23 = Michigan	50 = Wisconsin
24 = Minnesota	51 = Wyoming
25 = Mississippi	52 = Puerto Rico
26 = Missouri	60 = U.S. Virgin Islands
27 = Montana	63 = Foreign country

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPLEVL

NPSAS level

1 = 4-year

2 = 2-year

3 = Less-than-2-year

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Y_NPCTRL

NPSAS control

1 = Public

2 = Private nonprofit

3 = Private for-profit

Applies To: All respondents.

Source: NPSAS:08 Student Enrollment List

Appendix G

Imputations

Table G-1. Item response rates and nonresponse rates for imputed items collected in B&B:08/12 interview: 2012

Variable	Variable label	Item respondents	Item response rate	Item non- response rate
ATT2PUB	Ever attended public 2-year institution as of 2007–08	14,350	97.66	2.34
B2AAAT	Completed post-baccalaureate associate's degree program as of 2012	14,520	99.77	0.23
B2AAEV	Ever enrolled in post-baccalaureate associate's degree program as of 2012	14,460	99.37	0.63
B2AALONE	Living alone in 2012	14,500	99.67	0.33
B2ADPNTS	Living with children or dependents in 2012	14,500	99.67	0.33
B2AFINCON	Shares financial responsibilities with household adult in 2012	8,570	99.86	0.14
B2AFINWHO	Adult in household who shares financial responsibilities in 2012	3,260	99.57	0.43
B2AHOTH	Living with someone not listed in 2012	14,500	99.67	0.33
B2ALLHRS	Hours worked per week in all jobs in 2012	14,130	96.88	3.12
B2AMARR	Marital status in 2012	14,530	99.84	0.16
B2APARIL	Living with parents or in-laws in 2012	14,500	99.67	0.33
B2ASPODP	Living with spouse or domestic partner in 2012	14,500	99.67	0.33
B2BAAT	Completed additional bachelor's degree program as of 2012	14,520	99.77	0.23
B2BAEV	Ever enrolled in additional bachelor's degree program as of 2012	14,460	99.42	0.58
B2CAPP	Applied for enrollment in a degree program since bachelor's degree as of 2012	4,540	87.91	12.09
B2CCERT	Had vocational or technical certificate as of 2012	13,960	95.80	4.20
B2CEFUT	Likelihood of enrolling in an undergraduate or graduate program as of 2012	6,450	91.19	8.81
B2CELNHLP	Loans being paid by family or friends in 2012	5,280	64.05	35.95
B2CEOUTLN	Stress from education-related debt in 2012	5,280	64.01	35.99
B2CERAT	Completed post-baccalaureate certificate program as of 2012	14,510	99.74	0.26
B2CEREV	Ever enrolled in post-baccalaureate certificate program as of 2012	14,460	99.41	0.59
B2CEXMNON	Taken graduate or professional entrance exam: None, as of 2012	4,530	87.66	12.34
B2CEXMOTH	Taken graduate or professional entrance exam: Other, as of 2012	4,530	87.66	12.34
B2CGMAT	Taken graduate or professional entrance exam: GMAT, as of 2012	4,530	87.66	12.34
B2CGRE	Taken graduate or professional entrance exam: GRE, as of 2012	4,530	87.66	12.34
B2CJHRS	Hours worked per week in primary job in 2012	13,000	96.69	3.31
B2CJSAL	Annualized salary for primary job in 2012	13,880	95.15	4.85
B2CLICENSE	Had industry certification or occupational license as of 2012	14,420	99.08	0.92
B2CLSAT	Taken graduate or professional entrance exam: LSAT, as of 2012	4,530	87.66	12.34
B2CMCAT	Taken graduate or professional entrance exam: MCAT, as of 2012	4,530	87.66	12.34
B2CNDGCWK	Attended for non-degree post-baccalaureate courses as of 2012	13,730	91.91	8.09
B2CNIWKND	Night/weekend courses required in postbaccalaureate degree program(s) as of 2012	6,890	92.90	7.10
B2CNOATTAPP	Reason did not attend additional education: Awaiting decision, as of 2012	460	40.32	59.68
B2CNOATTFIN	Reason did not attend additional education: Financial reasons, as of 2012	460	40.32	59.68
B2CNOATTFIT	Reason did not attend additional education: Not right fit, as of 2012	460	40.32	59.68
B2CNOATTOTH	Reason did not attend additional education: Other, as of 2012	460	40.32	59.68
B2CNOATTPER	Reason did not attend additional education: Personal reasons, as of 2012	460	40.32	59.68
B2CNOATTREJ	Reason did not attend additional education: Not accepted, as of 2012	460	40.32	59.68
B2CONLINE	Online courses offered in postbaccalaureate degree program(s) as of 2012	6,900	92.96	7.04
B2CPREREQ	Reason for non-degree coursework: Prerequisite requirement, as of 2012	1,840	59.31	40.69
B2CPSTGRD	Enrolled in additional degree program since bachelor's degree as of 2012	14,560	99.99	0.01
B2CRSEMP	Reason for non-degree coursework: Current employment, as of 2012	1,840	59.31	40.69
B2CRSGOAL	Reason for non-degree coursework: Long-term career goal, as of 2012	1,840	59.31	40.69

See notes at end of table.

Table G-1. Item response rates and nonresponse rates for imputed items collected in B&B:08/12 interview: 2012—Continued

Variable	Variable label	Item respondents	Item response rate	Item non- response rate
B2CRSLTED	Reason for non-degree coursework: Long-term education goal, as of 2012	1,840	59.31	40.69
B2CRSOTH	Reason for non-degree coursework: Other, as of 2012	1,840	59.31	40.69
B2CRSPERS	Reason for non-degree coursework: Personal enrichment, as of 2012	1,840	59.31	40.69
B2CURDEG	Current enrollment: Degree type, in 2012	7,230	99.69	0.31
B2CURMAJ	Current enrollment: Field of study, in 2012	7,120	97.49	2.51
B2CURTYP	Current enrollment: Institution type, in 2012	7,210	99.28	0.72
B2DBAL	Satisfaction with primary job: Work life balance, in 2012	12,640	91.61	8.39
B2DBEN	Satisfaction with benefits for primary job in 2012	12,600	91.37	8.63
B2DBENANY	Employer offered any benefits for primary job in 2012	12,220	92.02	7.98
B2DBENCOM	Importance of job factors: Commute, in 2012	13,090	90.05	9.95
B2DBENDAYC	Importance of job factor: Daycare, in 2012	13,000	89.60	10.40
B2DBENFLEX	Importance of job factors: Making decisions, in 2012	13,030	89.70	10.30
B2DBENINSU	Importance of job factors: Health insurance, in 2012	13,070	89.90	10.10
B2DBENPRO	Importance of job factors: Promotion opportunities, in 2012	13,080	89.92	10.08
B2DBENRELA	Importance of job factors: Work related to major, in 2012	13,060	89.92	10.08
B2DBENRETR	Importance of job factors: Retirement benefits, in 2012	13,030	89.79	10.21
B2DBENSAL	Importance of job factors: Wages and bonuses, in 2012	13,140	90.42	9.58
B2DBONUS	Primary job: Received bonus, in 2012	12,080	89.63	10.37
B2DCHAL	Satisfaction with primary job: Challenge of work, in 2012	12,620	91.33	8.67
B2DCOMSN	Primary job: Received commission, in 2012	10,730	87.52	12.48
B2DCTR12	Ever enrolled in doctoral degree program as of 2012	14,460	99.37	0.63
B2DCURBEN	Non-career primary job: Working to receive benefits, in 2012	2,720	83.44	16.56
B2DCURCAR	Non-career primary job: Exploring career options, in 2012	2,740	83.25	16.75
B2DCUREDU	Non-career primary job: Working to prepare for education, in 2012	2,640	80.48	19.52
B2DCUREST	Non-career primary job: Continuing job held before graduating, in 2012	2,630	80.61	19.39
B2DCURFUT	Non-career primary job: Deciding on future, in 2012	2,750	83.95	16.05
B2DCURINT	Non-career primary job: Pursuing other interests, in 2012	2,720	83.69	16.31
B2DCURL	Part of a career in industry: primary job in 2012	13,370	99.25	0.75
B2DCUROTH	Non-career primary job: Other description, in 2012	2,200	67.32	32.68
B2DCURPAY	Non-career primary job: Just paying the bills, in 2012	2,950	89.96	10.04
B2DCURSCH	Non-career primary job: Job while in school, in 2012	280	84.05	15.95
B2DEMPFPT	Primary job: Starting job status, in 2012	13,390	99.39	0.61
B2DEVERLK	Looked for work since completing bachelor's degree as of 2012	290	98.57	1.43
B2DIMP	Satisfaction with primary job: Importance of work, in 2012	12,630	91.42	8.58
B2DNSF19B	Job in 2012 related to bachelor's degree major	12,680	91.89	8.11
B2DNSFA	Primary job: Requires a bachelor's degree or higher, in 2012	12,690	91.91	8.09
B2DNSFPBD	Primary job: Related to post-baccalaureate degree/certificate, in 2012	1,650	90.16	9.84
B2DOCAT	Completed doctoral degree program as of 2012	14,520	99.75	0.25
B2DOCC6	Primary job: Occupation coder 6-digit code, in 2012	12,520	90.61	9.39
B2DOTM	Reason worked more than 40 hours in primary job: To earn extra money, in 2012	3,450	96.18	3.82
B2DOTOTH	Reason worked more than 40 hours in primary job: Other reason, in 2012	3,450	96.18	3.82
B2DOTR	Reason worked more than 40 hours in primary job: Demands of job, in 2012	3,450	96.18	3.82
B2DOVTIM	Primary job: Received overtime pay, in 2012	11,000	89.59	10.41
B2DPAY	Satisfaction with primary job: Compensation, in 2012	12,660	91.77	8.23
B2DPREFT	Prefer full-time for primary job in 2012	1,730	97.36	2.64
B2DSEARCH	Looking for a job in 2012	14,440	98.89	1.11
B2DSEC	Satisfaction with primary job: Job security, in 2012	12,590	91.33	8.67
B2DWRKS	Primarily student or employee while enrolled in 2012	1,520	91.33	8.67

See notes at end of table.

Table G-1. Item response rates and nonresponse rates for imputed items collected in B&B:08/12 interview: 2012—Continued

Variable	Variable label	Item respondents	Item response rate	Item non- response rate
B2DWYFR	Reason worked part time in primary job: Family responsibilities, in 2012	1,970	78.91	21.09
B2DWYMLJ	Reason worked part time in primary job: Held more than one job, in 2012	1,970	78.91	21.09
B2DWYNJA	Reason worked part time in primary job: Full-time job not available, in 2012	1,970	78.91	21.09
B2DWYNOH	Reason worked part time in primary job: Did not want to work more hours, in 2012	1,970	78.91	21.09
B2DWYOTH	Reason worked part time in primary job: Other reason, in 2012	1,970	78.91	21.09
B2DWYSCH	Reason worked part time in primary job: Working while attending school, in 2012	1,970	78.91	21.09
B2EMPRPT	Full time/part time status in all jobs in 2012	10,860	96.10	3.90
B2ENIN12	Enrollment intensity in 2012	7,130	97.69	2.31
B2EVRTCH	Taught at K-12 level as of 2012	14,440	98.83	1.17
B2FAFFCHLD	Education cost: Delayed having children, in 2012	14,160	96.55	3.45
B2FAFFEDJB	Education cost: Taken job instead of enroll, in 2012	13,660	96.43	3.57
B2FAFFHOME	Education cost: Delayed buying a home, in 2012	14,220	97.07	2.93
B2FAFFLESS	Education cost: Taken job outside of field, in 2012	13,780	97.20	2.80
B2FAFFMARR	Education cost: Delayed getting married, in 2012	14,160	96.80	3.20
B2FAFFWKMR	Education cost: Work more than desired, in 2012	13,790	97.37	2.63
B2FCONT401K	Contributed to retirement account: 401(k), as of 2012	5,700	76.47	23.53
B2FCONT403B	Contributed to retirement account: 403(b), as of 2012	1,340	33.24	66.76
B2FCONTIRA	Contributed to retirement account: IRA, as of 2012	2,970	60.33	39.67
B2FCONTOTH	Contributed to retirement account: Other, as of 2012	2,230	44.02	55.98
B2FCONTPEN	Contributed to retirement account: Pension, as of 2012	2,190	48.38	51.62
B2FDEP2	Number of dependent children in 2012	14,380	98.31	1.69
B2FMILITA	Military status in 2012: Veteran	690	74.60	25.40
B2FMILITB	Military status in 2012: Active duty	690	74.60	25.40
B2FMILITC	Military status in 2012: Reserves	690	74.60	25.40
B2FMILITD	Military status in 2012: National guard	690	74.60	25.40
B2FMLSERV	Served in the military as of 2012	14,400	98.41	1.59
B2FOOTHER	Any dependents other than children in 2012	13,600	90.68	9.32
B2FRET401K	Retirement account: 401(k), in 2012	12,380	87.85	12.15
B2FRET403B	Retirement account: 403(b), in 2012	11,480	83.20	16.80
B2FRETRIRA	Retirement account: IRA, in 2012	11,850	86.33	13.67
B2FRETOOTH	Retirement account: Other, in 2012	11,150	80.54	19.46
B2FRETPEN	Retirement account: Pension, in 2012	11,660	84.68	15.32
B2FSELLPO	Result of the sale of all major possessions in 2012	13,560	90.25	9.75
B2FSTDEG	First post-baccalaureate enrollment as of 2012: Degree type	7,180	98.89	1.11
B2FSTDLT	First post-baccalaureate enrollment: Date last attended, as of 2012	7,230	99.71	0.29
B2FSTINT	First post-baccalaureate enrollment as of 2012: Enrollment intensity	6,890	92.85	7.15
B2FSTMAJ	First post-baccalaureate enrollment as of 2012: Field of study	6,850	92.23	7.77
B2FSTRESS	Financial difficulty in past 12 months as of 2012	13,580	90.45	9.55
B2FSTTYP	First post-baccalaureate enrollment as of 2012: Institution type	7,180	98.82	1.18
B2FWORTH	Undergraduate education was worth the financial cost as of 2012	14,380	98.29	1.71
B2FWORTHG	Graduate education was worth the financial cost in 2012	3,280	96.92	3.08
B2HICDLT	Highest post-baccalaureate attainment as of 2012: Date last attended	7,210	99.45	0.55
B2HICINT	Highest post-baccalaureate attainment as of 2012: Enrollment intensity	7,040	96.08	3.92
B2HICMAJ	Highest post-baccalaureate attainment as of 2012: Field of study	7,010	95.62	4.38
B2HICTYP	Highest post-baccalaureate attainment as of 2012: Institution type	7,190	99.20	0.80
B2HIDEGL	Highest degree attained since bachelor's as of 2012	7,200	99.22	0.78
B2HIEDLT	Highest post-baccalaureate enrollment as of 2012: Date last attended	7,230	99.76	0.24
B2HIEINT	Highest post-baccalaureate enrollment as of 2012: Enrollment intensity	6,890	92.83	7.17

See notes at end of table.

Table G-1. Item response rates and nonresponse rates for imputed items collected in B&B:08/12 interview: 2012—Continued

Variable	Variable label	Item respondents	Item response rate	Item non- response rate
B2HIEMAJ	Highest post-baccalaureate enrollment: Field of study, as of 2012	6,860	92.21	7.79
B2HIENR	Highest post-baccalaureate enrollment: Degree type, as of 2012	7,200	99.09	0.91
B2HIETYP	Highest post-baccalaureate enrollment as of 2012: Institution sector	7,170	98.77	1.23
B2INC12	Annualized total salary for all jobs in 2012	13,780	94.05	5.95
B2JBNUM	Number of jobs for pay in 2012	14,400	98.69	1.31
B2MACMP	Completed master's degree program as of 2012	14,390	99.01	0.99
B2MSTR12	Ever enrolled in master's degree program as of 2012	14,480	99.49	0.51
B2PBCAT	Completed post-baccalaureate certificate program after 2007-08 bachelor's degree as of 2012	14,510	99.75	0.25
B2PBCEV	Ever enrolled in post-baccalaureate certificate program after 2007-08 bachelor's degree as of 2012	14,460	99.40	0.60
B2PCEMP	Percent of time employed from bachelor's degree award date to 2012	13,340	89.70	10.30
B2PCOLF	Percent of time out of the labor force from bachelor's degree award date to 2012	13,320	89.60	10.40
B2PCUNEM	Percent of time unemployed from bachelor's degree award date to 2012	13,320	89.60	10.40
B2PMCAT	Completed post-master's certificate program as of 2012	14,520	99.77	0.23
B2PMCEV	Ever enrolled in post-master's certificate program as of 2012	14,460	99.37	0.63
B2PREPAR	Prepared for K-12 teaching as of 2012	11,690	98.86	1.14
B2PRIVAMT	Amount of private student loans as of 2012	14,320	98.01	1.99
B2PRIVLN	Received a private loan as of 2012	14,410	98.62	1.38
B2PRIVSTAT	Private student loan status in 2012	11,620	80.96	19.04
B2PROAT	Completed professional degree program as of 2012	14,510	99.76	0.24
B2PROEV	Ever enrolled in professional degree program as of 2012	14,460	99.37	0.63
B2RPMT_FED	Monthly federal student loan payment in 2012	8,350	75.03	24.97
B2RPMT_PRI	Monthly private student loan payment in 2012	5,020	69.36	30.64
BAMJCIP	Primary major (CIP code) for 2007-08 bachelor's degree	14,550	99.91	0.09
HSMY	Date of high school completion	14,460	97.85	2.15
I1CTRL	First postsecondary institution control	14,330	98.88	1.12
I1LEVEL	First postsecondary institution level	14,330	98.89	1.11
NGGRDPLN	Plan to apply to graduate school in future as of 2007-08	9,700	95.05	4.95
NGGRPSA	Postponed graduate applications for academic reasons in 2007-08	8,430	94.25	5.75
NGGRPSB	Postponed graduate applications for financial reasons in 2007-08	8,430	94.25	5.75
NGGRPSC	Postponed graduate applications for employment reasons in 2007-08	8,430	94.25	5.75
NGGRPSD	Postponed graduate applications for other reasons in 2007-08	8,430	94.25	5.75
NGNOGDA	Did not apply to graduate school for academic reasons in 2007-08	1,270	71.87	28.13
NGNOGDB	Did not apply to graduate school for employment reasons in 2007-08	1,270	71.87	28.13
NGNOGDC	Did not apply to graduate school for financial reasons in 2007-08	1,270	71.87	28.13
NGNOGDD	Did not apply to graduate school for other reasons in 2007-08	1,270	71.87	28.13
NUMINST	Number of institutions attended before 2007–08 bachelor's degree	14,360	97.72	2.28
PSE_DATE	Date of first postsecondary enrollment	14,510	98.91	1.09

NOTE: The item response rates and nonresponse rates were computed using the B&B:12 bookend weight. The response rate is computed as the number of cases who responded to the item and did not have a legitimate skip for the item divided by the number of cases who did not have a legitimate skip for the item. GMAT = Graduate Management Admission Test. GRE = Graduate Record Examinations. LSAT = Law School Admission Test. MCAT = Medical College Admission Test. CIP = Classification of Instructional Programs. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table G-2. Mean values of continuous variables before and after imputation, B&B:08/12: 2012

Variable	Variable label	Mean before imputation	Mean after imputation	Difference	Percent relative difference
B2ALLHRS	Hours worked per week in all jobs in 2012	32.90	33.19	-0.29	-0.01
B2CJHRS	Hours worked per week in primary job in 2012	36.77	36.87	-0.10	#
B2CJSAL	Annualized salary for primary job in 2012	41,378.24	41,538.89	-160.65	#
B2FSTDLT	First post-baccalaureate enrollment: Date last attended, as of 2012	62,126.13	62,301.74	-175.61	#
B2HICDLT	Highest post-baccalaureate attainment as of 2012: Date last attended	50,688.44	50,946.58	-258.14	-0.01
B2HIEDLT	Highest post-baccalaureate enrollment as of 2012: Date last attended	55,639.50	55,728.25	-88.75	#
B2INC12	Annualized total salary for all jobs in 2012	37,881.11	38,341.05	-459.94	-0.01
B2PCEMP	Percent of time employed from bachelor's degree award date to 2012	79.16	78.10	1.06	0.01
B2PCOLF	Percent of time out of the labor force from bachelor's degree award date to 2012	14.38	15.19	-0.82	-0.06
B2PCUNEM	Percent of time unemployed from bachelor's degree award date to 2012	6.41	6.74	-0.32	-0.05
B2PRIVAMT	Amount of private student loans as of 2012	9,417.51	9,436.48	-18.97	#
B2RPMT_FED	Monthly federal student loan payment in 2012	93.95	118.54	-24.59	-0.26
B2RPMT_PRI	Monthly private student loan payment in 2012	38.35	55.27	-16.92	-0.44

Rounds to zero.

NOTE: Means were computed using the B&B:12 bookend weight. Cases with legitimate skips for the item are not included in the estimated means. The difference is computed as the mean before imputation minus the mean after imputation.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
ATT2PUB	Ever attended public 2-year institution as of 2007–08	0	64.33	64.51	-0.18	-0.28
		1	35.67	35.49	0.18	0.50
B2AAAT	Completed post-baccalaureate associate's degree program as of 2012	0	99.42	99.42	#	#
		1	0.58	0.58	#	-0.39
B2AAEV	Ever enrolled in post-baccalaureate associate's degree program as of 2012	0	98.58	98.56	0.02	0.02
		1	1.42	1.44	-0.02	-1.50
B2AALONE	Living alone in 2012	0	82.55	82.56	-0.01	-0.01
		1	17.45	17.44	0.01	0.06
B2ADPNTS	Living with children or dependents in 2012	0	78.02	78.00	0.02	0.03
		1	21.98	22.00	-0.02	-0.09
B2AFINCON	Shares financial responsibilities with household adult 2012	0	61.44	61.47	-0.03	-0.05
		1	38.56	38.53	0.03	0.07
B2AFINWHO	Adult in household who shares financial responsibilities 2012	1	12.07	12.05	0.01	0.12
		2	42.38	42.42	-0.04	-0.10
		3	24.66	24.64	0.02	0.10
		4	4.32	4.32	0.01	0.12
		5	14.82	14.82	#	-0.02
		6	1.75	1.74	#	0.12
B2AHOTH	Living with someone not listed in 2012	0	81.62	81.64	-0.02	-0.03
		1	18.38	18.36	0.02	0.13
B2AMARR	Marital status in 2012	1	54.46	54.45	0.01	0.01
		2	40.19	40.13	0.06	0.14
		4	0.54	0.54	#	0.16
		5	4.48	4.55	-0.06	-1.44
		6	0.32	0.32	#	0.16
B2APARIL	Living with parents or in-laws in 2012	0	86.55	86.57	-0.02	-0.02
		1	13.45	13.43	0.02	0.12
B2ASPODP	Living with spouse or domestic partner in 2012	0	49.27	49.23	0.04	0.09
		1	50.73	50.77	-0.04	-0.09
B2BAAT	Completed additional bachelor's degree program as of 2012	0	98.86	98.85	#	#
		1	1.14	1.15	#	-0.17
B2BAEV	Ever enrolled in additional bachelor's degree program as of 2012	0	97.80	97.79	0.01	0.01
		1	2.20	2.21	-0.01	-0.57
B2CAPP	Applied for enrollment in a degree program since bachelor's degree as of 2012	0	90.59	90.94	-0.35	-0.39
		1	9.41	9.06	0.35	3.71
B2CCERT	Had vocational or technical certificate as of 2012	0	92.41	92.34	0.08	0.09
		1	7.59	7.66	-0.08	-1.05

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2CEFUT	Likelihood of enrolling in an undergraduate or graduate program as of 2012	1	29.27	29.24	0.02	0.08
		2	42.04	41.81	0.23	0.55
		3	16.35	16.45	-0.10	-0.61
		4	12.35	12.51	-0.15	-1.25
B2CELNHLP	Loans being paid by family or friends in 2012	0	84.80	83.99	0.81	0.95
		1	4.18	4.33	-0.15	-3.67
		2	11.03	11.68	-0.66	-5.95
B2CEOUTLN	Stress from education-related debt in 2012	1	9.63	9.40	0.23	2.38
		2	17.98	18.04	-0.06	-0.32
		3	32.59	31.99	0.60	1.84
		4	21.01	21.57	-0.56	-2.66
		5	18.79	19.00	-0.21	-1.12
B2CERAT	Completed post-baccalaureate certificate program as of 2012	0	97.81	97.79	0.02	0.02
		1	2.19	2.21	-0.02	-0.93
B2CEREV	Ever enrolled in post-baccalaureate certificate program as of 2012	0	96.35	96.31	0.04	0.04
		1	3.65	3.69	-0.04	-1.15
B2CEXMNON	Taken graduate or professional entrance exam: None, as of 2012	0	12.94	12.95	-0.02	-0.12
		1	87.06	87.05	0.02	0.02
B2CEXMOTH	Taken graduate or professional entrance exam: Other, as of 2012	0	95.75	95.91	-0.16	-0.17
		1	4.25	4.09	0.16	3.78
B2CGMAT	Taken graduate or professional entrance exam: GMAT, as of 2012	0	97.60	97.39	0.22	0.22
		1	2.40	2.61	-0.22	-9.03
B2CGRE	Taken graduate or professional entrance exam: GRE, as of 2012	0	95.02	95.09	-0.07	-0.08
		1	4.98	4.91	0.07	1.45
B2CLICENSE	Had industry certification or occupational license as of 2012	0	68.89	68.92	-0.02	-0.04
		1	31.11	31.08	0.02	0.08
B2CLSAT	Taken graduate or professional entrance exam: LSAT, as of 2012	0	98.31	98.17	0.14	0.14
		1	1.69	1.83	-0.14	-8.45
B2CMCAT	Taken graduate or professional entrance exam: MCAT, as of 2012	0	99.57	99.61	-0.04	-0.04
		1	0.43	0.39	0.04	9.18
B2CNDGCWK	Attended for non-degree post-baccalaureate courses as of 2012	0	85.56	85.57	-0.01	-0.02
		1	12.99	13.00	-0.01	-0.09
		2	1.45	1.43	0.03	1.79
B2CNIWKND	Night/weekend courses required in postbaccalaureate degree program(s) as of 2012	0	34.04	34.16	-0.12	-0.36
		1	65.96	65.84	0.12	0.18
B2CNOATTAPP	Reason did not attend additional education: Awaiting decision, as of 2012	0	91.58	91.59	-0.01	-0.01
		1	8.42	8.41	0.01	0.12
B2CNOATTFIN	Reason did not attend additional education: Financial reasons, as of 2012	0	66.13	65.77	0.36	0.54
		1	33.87	34.23	-0.36	-1.06

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2CNOATTFIT	Reason did not attend additional education: Not right fit, as of 2012	0	85.13	85.60	-0.47	-0.55
		1	14.87	14.40	0.47	3.15
B2CNOATTOTH	Reason did not attend additional education: Other, as of 2012	0	81.90	82.05	-0.15	-0.19
		1	18.10	17.95	0.15	0.85
B2CNOATTPER	Reason did not attend additional education: Personal reasons, as of 2012	0	65.70	65.63	0.06	0.10
		1	34.30	34.37	-0.06	-0.19
B2CNOATTREJ	Reason did not attend additional education: Not accepted, as of 2012	0	77.00	77.02	-0.03	-0.03
		1	23.00	22.98	0.03	0.11
B2CONLINE	Online courses offered in postbaccalaureate degree program(s) as of 2012	0	64.27	64.32	-0.04	-0.07
		1	35.73	35.68	0.04	0.12
B2CPREQ	Reason for non-degree coursework: Prerequisite requirement, as of 2012	0	82.95	82.82	0.13	0.16
		1	17.05	17.18	-0.13	-0.77
B2CPSTGRD	Enrolled in additional degree program since bachelor's degree as of 2012	0	53.29	53.30	-0.01	-0.01
		1	43.54	43.53	0.01	0.01
		2	3.17	3.17	#	0.01
B2CRSEMP	Reason for non-degree coursework: Current employment, as of 2012	0	68.65	68.94	-0.30	-0.43
		1	31.35	31.06	0.30	0.94
B2CRSGOAL	Reason for non-degree coursework: Long- term career goal, as of 2012	0	62.75	63.00	-0.25	-0.40
		1	37.25	37.00	0.25	0.68
B2CRSLTED	Reason for non-degree coursework: Long- term education goal, as of 2012	0	78.16	78.02	0.13	0.17
		1	21.84	21.98	-0.13	-0.61
B2CRSOTH	Reason for non-degree coursework: Other, as of 2012	0	91.08	91.21	-0.14	-0.15
		1	8.92	8.79	0.14	1.52
B2CRSPERS	Reason for non-degree coursework: Personal enrichment, as of 2012	0	49.68	49.94	-0.26	-0.53
		1	50.32	50.06	0.26	0.52
B2CURDEG	Current enrollment: Degree type, in 2012	0	62.76	62.60	0.16	0.26
		1	1.81	1.83	-0.02	-0.87
		2	1.07	1.06	#	0.28
		3	1.35	1.34	#	0.31
		4	1.51	1.50	#	0.31
		5	21.75	21.83	-0.09	-0.39
		6	0.60	0.59	#	0.31
		7	4.46	4.54	-0.08	-1.71
		8	4.37	4.37	#	#
		9	0.33	0.33	#	0.31

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2CURMAJ	Current enrollment: Field of study, in 2012	0	64.17	62.57	1.61	2.51
		1	0.09	0.10	-0.01	-15.32
		2	0.26	0.25	0.01	2.51
		3	0.16	0.16	#	2.51
		4	0.16	0.15	#	2.51
		5	0.30	0.30	0.01	2.51
		6	0.05	0.04	#	2.51
		7	0.53	0.51	0.01	2.51
		8	0.20	0.25	-0.06	-27.95
		9	6.38	6.69	-0.31	-4.85
		10	1.16	1.24	-0.08	-6.89
		11	0.09	0.09	#	2.51
		12	0.21	0.21	0.01	2.51
		13	0.24	0.23	0.01	2.51
		14	2.30	2.40	-0.10	-4.55
		15	0.64	0.63	0.02	2.51
		16	0.16	0.15	#	2.51
		17	0.22	0.21	0.01	2.51
		18	1.13	1.32	-0.19	-16.58
		19	0.29	0.29	#	-0.20
		20	0.04	0.04	#	2.51
		21	0.21	0.20	0.01	2.51
		22	0.15	0.16	-0.01	-6.20
		23	0.23	0.22	0.01	2.51
		24	0.81	0.97	-0.16	-20.39
		25	0.32	0.42	-0.10	-31.58
		26	#	#	#	2.51
		27	1.40	1.53	-0.13	-9.12
		28	0.31	0.35	-0.04	-13.57
		29	1.18	1.31	-0.12	-10.36
		30	0.01	0.01	#	2.51
		33	#	#	#	2.51
		34	0.78	0.78	#	0.05
		35	7.92	8.04	-0.12	-1.52
		36	6.50	6.63	-0.13	-2.06
		37	0.40	0.40	#	1.00
		38	0.08	0.13	-0.05	-60.32
		39	0.01	0.01	#	2.51
		40	0.12	0.12	#	2.51
		41	0.07	0.07	#	1.74
		42	0.28	0.37	-0.09	-31.56
		43	0.12	0.12	#	2.51
		44	0.16	0.16	#	2.12
		45	0.15	0.15	#	-1.06

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2CURTYP	Current enrollment: Institution type, in 2012	0	63.02	62.57	0.45	0.72
		1	0.15	0.15	#	0.72
		2	2.01	2.02	-0.01	-0.55
		3	16.47	16.91	-0.43	-2.64
		4	0.36	0.36	#	0.72
		5	14.92	14.96	-0.03	-0.22
		6	0.29	0.29	#	0.72
		7	0.05	0.05	#	0.72
		8	2.72	2.71	0.02	0.72
B2DBAL	Satisfaction with primary job: Work life balance, in 2012	1	5.84	6.04	-0.20	-3.46
		2	11.57	11.41	0.16	1.39
		3	17.12	17.05	0.07	0.40
		4	33.09	32.97	0.11	0.34
		5	32.39	32.52	-0.14	-0.43
B2DBEN	Satisfaction with benefits for primary job in 2012	1	11.12	11.05	0.07	0.67
		2	10.40	10.36	0.04	0.35
		3	17.11	17.24	-0.12	-0.72
		4	30.69	30.52	0.17	0.54
		5	30.68	30.83	-0.15	-0.50
B2DBENANY	Employer offered any benefits for primary job in 2012	0	15.46	15.66	-0.20	-1.30
B2DBENCOM	Importance of job factors: Commute, in 2012	1	4.04	4.05	-0.01	-0.33
		2	25.10	25.04	0.07	0.27
		3	41.63	42.13	-0.50	-1.19
		4	29.22	28.78	0.44	1.52
B2DBENDAYC	Importance of job factor: Daycare, in 2012	1	73.03	73.07	-0.04	-0.06
		2	15.20	15.07	0.13	0.84
		3	6.85	6.77	0.09	1.25
		4	4.92	5.09	-0.17	-3.50
B2DBENFLEX	Importance of job factors: Making decisions, in 2012	1	2.86	2.79	0.07	2.59
		2	20.79	21.10	-0.31	-1.50
		3	44.59	44.52	0.07	0.16
		4	31.76	31.59	0.17	0.52
B2DBENINSU	Importance of job factors: Health insurance, in 2012	1	4.73	4.75	-0.02	-0.34
		2	10.82	10.74	0.08	0.71
		3	27.41	27.48	-0.07	-0.25
		4	57.05	57.04	0.01	0.01
B2DBENPRO	Importance of job factors: Promotion opportunities, in 2012	1	2.80	2.85	-0.05	-1.92
		2	12.80	12.65	0.14	1.13
		3	33.78	33.88	-0.10	-0.30
		4	50.62	50.61	0.01	0.02
B2DBENRELA	Importance of job factors: Work related to major, in 2012	1	6.57	6.60	-0.03	-0.39
		2	20.46	20.76	-0.30	-1.48
		3	31.97	31.59	0.38	1.19
		4	40.99	41.05	-0.05	-0.13

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2DBENRETR	Importance of job factors: Retirement benefits, in 2012	1	4.67	4.64	0.03	0.72
		2	13.85	14.02	-0.17	-1.24
		3	32.51	32.36	0.15	0.46
		4	48.97	48.98	-0.01	-0.03
B2DBENSAL	Importance of job factors: Wages and bonuses, in 2012	1	0.67	0.64	0.03	4.40
		2	6.84	6.87	-0.03	-0.37
		3	34.82	34.88	-0.06	-0.18
		4	57.68	57.62	0.06	0.10
B2DBONUS	Primary job: Received bonus, in 2012	0	62.76	62.74	0.03	0.04
		1	37.24	37.26	-0.03	-0.07
B2DCHAL	Satisfaction with primary job: Challenge of work, in 2012	1	5.81	5.82	-0.01	-0.14
		2	9.12	9.03	0.09	0.97
		3	17.19	17.18	0.01	0.05
		4	33.10	33.05	0.06	0.18
		5	34.77	34.92	-0.15	-0.43
B2DCOMSN	Primary job: Received commission, in 2012	0	92.60	92.37	0.23	0.25
		1	7.40	7.63	-0.23	-3.14
B2DCTR12	Ever enrolled in doctoral degree program as of 2012	0	97.54	97.48	0.06	0.06
		1	2.46	2.52	-0.06	-2.30
B2DCURBEN	Non-career primary job: Working to receive benefits, in 2012	0	48.17	49.54	-1.37	-2.84
		1	51.83	50.46	1.37	2.64
B2DCURCAR	Non-career primary job: Exploring career options, in 2012	0	42.85	43.38	-0.54	-1.25
		1	57.15	56.62	0.54	0.94
B2DCUREDU	Non-career primary job: Working to prepare for education, in 2012	0	72.90	73.20	-0.30	-0.41
		1	27.10	26.80	0.30	1.10
B2DCUREST	Non-career primary job: Continuing job held before graduating, in 2012	0	78.98	78.68	0.30	0.38
		1	21.02	21.32	-0.30	-1.41
B2DCURFUT	Non-career primary job: Deciding on future, in 2012	0	31.94	31.86	0.07	0.23
		1	68.06	68.14	-0.07	-0.11
B2DCURINT	Non-career primary job: Pursuing other interests, in 2012	0	38.82	38.45	0.36	0.93
		1	61.18	61.55	-0.36	-0.59
B2DCURL	Part of a career in industry: primary job in 2012	0	23.76	23.75	0.01	0.03
		1	76.24	76.25	-0.01	-0.01
B2DCUROTH	Non-career primary job: Other description, in 2012	0	89.53	89.75	-0.22	-0.25
		1	10.47	10.25	0.22	2.10
B2DCURPAY	Non-career primary job: Just paying the bills, in 2012	0	5.29	4.92	0.37	7.03
		1	94.71	95.08	-0.37	-0.39
B2DCURSCH	Non-career primary job: Job while in school, in 2012	0	21.32	21.87	-0.55	-2.57
		1	78.68	78.13	0.55	0.70

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2DEMPFPT	Primary job: Starting job status, in 2012	1	79.80	79.89	-0.08	-0.11
		2	20.20	20.11	0.08	0.42
B2DEVERLK	Looked for work since completing bachelor's degree as of 2012	0	65.33	65.23	0.11	0.16
		1	34.67	34.77	-0.11	-0.31
B2DIMP	Satisfaction with primary job: Importance of work, in 2012	1	4.70	4.65	0.05	1.10
		2	7.62	7.50	0.12	1.58
		3	15.48	15.31	0.17	1.11
		4	34.87	34.87	-0.01	-0.02
		5	37.33	37.67	-0.34	-0.90
B2DNSF19B	Job in 2012 related to bachelor's degree major	0	23.43	23.15	0.28	1.19
		1	42.63	43.03	-0.40	-0.94
		2	33.94	33.82	0.12	0.36
B2DNSFA	Primary job: Requires a bachelor's degree or higher, in 2012	0	34.80	34.62	0.18	0.53
		1	65.20	65.38	-0.18	-0.28
B2DNSFPBD	Primary job: Related to post-baccalaureate degree/certificate, in 2012	1	69.51	69.97	-0.46	-0.65
		2	18.23	17.99	0.24	1.30
		3	12.26	12.04	0.22	1.77
B2DOCAT	Completed doctoral degree program as of 2012	0	99.80	99.80	#	#
		1	0.20	0.20	#	0.09
B2DOTM	Reason worked more than 40 hours in primary job: To earn extra money, in 2012	0	91.63	91.69	-0.07	-0.08
		1	8.37	8.31	0.07	0.82
B2DOTOTH	Reason worked more than 40 hours in primary job: Other reason, in 2012	0	95.93	96.03	-0.11	-0.11
		1	4.07	3.97	0.11	2.60
B2DOTR	Reason worked more than 40 hours in primary job: Demands of job, in 2012	0	3.22	3.20	0.02	0.54
		1	96.78	96.80	-0.02	-0.02
B2DOVTIM	Primary job: Received overtime pay, in 2012	0	68.59	68.87	-0.28	-0.41
		1	31.41	31.13	0.28	0.90
B2DPAY	Satisfaction with primary job: Compensation, in 2012	1	10.06	10.11	-0.05	-0.48
		2	17.85	18.05	-0.20	-1.14
		3	14.02	13.78	0.24	1.68
		4	39.86	39.78	0.08	0.21
		5	18.21	18.28	-0.07	-0.36
B2DPREFT	Prefer full-time for primary job in 2012	0	53.96	53.88	0.09	0.16
		1	46.04	46.12	-0.09	-0.19
B2DSEARCH	Looking for a job in 2012	0	71.52	71.53	-0.01	-0.01
		1	28.48	28.47	0.01	0.03

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2DSEC	Satisfaction with primary job: Job security, in 2012	1	6.97	6.94	0.03	0.36
		2	9.20	9.27	-0.07	-0.77
		3	17.33	17.35	-0.02	-0.14
		4	33.70	33.83	-0.13	-0.38
		5	32.80	32.60	0.20	0.60
B2DWRKS	Primarily student or employee while enrolled in 2012	1	37.70	36.77	0.92	2.45
		2	62.30	63.23	-0.92	-1.48
B2DWYFR	Reason worked part time in primary job: Family responsibilities, in 2012	0	82.09	82.06	0.02	0.03
		1	17.91	17.94	-0.02	-0.13
B2DWYMLJ	Reason worked part time in primary job: Held more than one job, in 2012	0	87.08	86.47	0.61	0.70
		1	12.92	13.53	-0.61	-4.74
B2DWYNJA	Reason worked part time in primary job: Full-time job not available, in 2012	0	60.83	60.18	0.65	1.07
		1	39.17	39.82	-0.65	-1.66
B2DWYNOH	Reason worked part time in primary job: Did not want to work more hours, in 2012	0	81.04	82.26	-1.22	-1.51
		1	18.96	17.74	1.22	6.44
B2DWYOTH	Reason worked part time in primary job: Other reason, in 2012	0	83.42	83.74	-0.32	-0.38
		1	16.58	16.26	0.32	1.91
B2DWYSCH	Reason worked part time in primary job: Working while attending school, in 2012	0	65.06	65.72	-0.66	-1.01
		1	34.94	34.28	0.66	1.89
B2EMPRT	Full time/part time status in all jobs in 2012	1	88.22	88.03	0.19	0.22
		2	11.78	11.97	-0.19	-1.62
B2ENIN12	Enrollment intensity in 2012	0	64.04	62.57	1.48	2.31
		1	19.54	20.59	-1.05	-5.38
		2	12.87	13.27	-0.41	-3.15
		3	3.55	3.57	-0.02	-0.61
B2EVRTCH	Taught at K-12 level as of 2012	0	81.70	81.70	#	#
		1	9.57	9.54	0.03	0.36
		2	8.72	8.76	-0.03	-0.40
B2FAFFCHLD	Education cost: Delayed having children, in 2012	0	71.01	70.88	0.14	0.19
		1	28.99	29.12	-0.14	-0.47
B2FAFFEDJB	Education cost: Taken job instead of enroll, in 2012	0	70.13	69.76	0.37	0.53
		1	29.87	30.24	-0.37	-1.24
B2FAFFHOME	Education cost: Delayed buying a home, in 2012	0	61.68	61.62	0.06	0.10
		1	38.32	38.38	-0.06	-0.17
B2FAFFLESS	Education cost: Taken job outside of field, in 2012	0	60.50	60.34	0.16	0.27
		1	39.50	39.66	-0.16	-0.41
B2FAFFMARR	Education cost: Delayed getting married, in 2012	0	77.86	77.68	0.19	0.24
		1	22.14	22.32	-0.19	-0.85

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2FAFFWKM	Education cost: Work more than desired, in 2012	0	65.48	65.26	0.22	0.33
		1	34.52	34.74	-0.22	-0.63
B2FCONT401K	Contributed to retirement account: 401(k), as of 2012	0	19.66	19.82	-0.16	-0.79
		1	80.34	80.18	0.16	0.19
B2FCONT403B	Contributed to retirement account: 403(b), as of 2012	0	25.80	24.99	0.81	3.14
		1	74.20	75.01	-0.81	-1.09
B2FCONTIRA	Contributed to retirement account: IRA, as of 2012	0	35.23	35.82	-0.59	-1.67
		1	64.77	64.18	0.59	0.91
B2FCONTOTH	Contributed to retirement account: Other, as of 2012	0	27.31	26.83	0.49	1.78
		1	72.69	73.17	-0.49	-0.67
B2FCONTPEN	Contributed to retirement account: Pension, as of 2012	0	43.90	44.84	-0.94	-2.14
		1	56.10	55.16	0.94	1.67
B2FDEP2	Number of dependent children in 2012	0	75.06	75.04	0.02	0.03
		1	12.84	12.88	-0.04	-0.29
		2	8.24	8.21	0.02	0.30
		3	2.75	2.77	-0.02	-0.84
		4	0.81	0.79	0.01	1.29
		5	0.21	0.21	#	1.03
		6	0.07	0.07	#	1.69
		7	0.03	0.03	#	1.69
B2FMILITA	Military status in 2012: Veteran	0	30.77	30.81	-0.04	-0.12
		1	69.23	69.19	0.04	0.05
B2FMILITB	Military status in 2012: Active duty	0	77.23	77.36	-0.14	-0.18
		1	22.77	22.64	0.14	0.60
B2FMILITC	Military status in 2012: Reserves	0	91.84	91.97	-0.12	-0.14
		1	8.16	8.03	0.12	1.53
B2FMILITD	Military status in 2012: National guard	0	88.94	88.93	0.01	0.01
		1	11.06	11.07	-0.01	-0.10
B2FMILSERV	Served in the military as of 2012	0	95.23	95.19	0.04	0.04
		1	4.77	4.81	-0.04	-0.89
B2FOTHER	Any dependents other than children in 2012	0	96.89	96.94	-0.06	-0.06
		1	3.11	3.06	0.06	1.90
B2FRET401K	Retirement account: 401(k), in 2012	0	50.85	51.36	-0.51	-1.00
		1	49.15	48.64	0.51	1.03
B2FRET403B	Retirement account: 403(b), in 2012	0	88.99	88.82	0.17	0.19
		1	11.01	11.18	-0.17	-1.53
B2FRETIRA	Retirement account: IRA, in 2012	0	72.27	72.80	-0.53	-0.73
		1	27.73	27.20	0.53	1.91

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2FRETOH	Retirement account: Other, in 2012	0	78.34	78.41	-0.07	-0.09
		1	21.66	21.59	0.07	0.34
B2FRETPEN	Retirement account: Pension, in 2012	0	80.41	80.13	0.29	0.36
		1	19.59	19.87	-0.29	-1.46
B2FSELLPO	Result of the sale of all major possessions in 2012	1	48.66	48.61	0.06	0.12
		2	14.25	14.10	0.15	1.07
		3	37.09	37.30	-0.21	-0.57
B2FSTDEG	First post-baccalaureate enrollment as of 2012: Degree type	1	7.41	7.43	-0.02	-0.33
		2	2.79	2.77	0.02	0.73
		3	4.27	4.27	0.01	0.15
		4	7.29	7.30	-0.02	-0.25
		5	63.45	63.44	0.01	0.02
		6	0.71	0.70	0.01	1.11
		7	10.58	10.54	0.04	0.38
		8	3.11	3.16	-0.05	-1.52
		9	0.39	0.38	#	1.11
B2FSTINT	First post-baccalaureate enrollment as of 2012: Enrollment intensity	1	63.18	63.56	-0.38	-0.61
		2	28.06	27.86	0.20	0.72
		3	8.76	8.57	0.18	2.09
B2FSTRESS	Financial difficulty in past 12 months as of 2012	0	75.47	75.54	-0.07	-0.10
		1	24.53	24.46	0.07	0.30
B2FSTTYP	First post-baccalaureate enrollment as of 2012: Institution type	1	0.86	0.85	0.01	1.18
		2	5.94	5.89	0.05	0.85
		3	46.98	47.28	-0.30	-0.65
		4	0.53	0.53	0.01	1.18
		5	36.94	36.80	0.14	0.37
		6	1.11	1.10	0.01	1.08
		7	0.52	0.51	0.01	1.18
		8	7.13	7.04	0.08	1.16
B2FWORTH	Undergraduate education was worth the financial cost as of 2012	0	27.90	27.80	0.10	0.35
		1	72.10	72.20	-0.10	-0.14
B2FWORTHG	Graduate education was worth the financial cost in 2012	0	28.61	29.29	-0.69	-2.40
		1	71.39	70.71	0.69	0.96
B2HICINT	Highest post-baccalaureate attainment as of 2012: Enrollment intensity	0	43.38	41.80	1.58	3.64
		1	42.13	43.23	-1.10	-2.61
		2	9.91	10.22	-0.31	-3.12
		3	4.59	4.76	-0.17	-3.70

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2HICMAJ	Highest post-baccalaureate attainment as of 2012: Field of study	0	43.59	41.80	1.79	4.10
		1	0.26	0.26	0.01	2.49
		2	0.27	0.25	0.01	4.38
		3	0.72	0.73	-0.01	-1.74
		4	0.29	0.32	-0.02	-8.33
		5	0.57	0.61	-0.04	-6.61
		6	0.04	0.05	-0.02	-44.52
		7	0.88	0.84	0.04	4.38
		8	0.51	0.53	-0.01	-2.39
		9	11.46	11.67	-0.22	-1.88
		10	1.93	2.03	-0.11	-5.46
		11	0.20	0.20	#	-1.89
		12	0.36	0.40	-0.03	-9.53
		13	0.27	0.26	0.01	4.38
		14	5.09	5.12	-0.03	-0.63
		15	0.69	0.71	-0.02	-3.27
		16	0.27	0.26	0.01	4.38
		17	0.39	0.37	0.02	4.38
		18	0.93	0.90	0.03	2.89
		19	0.38	0.40	-0.02	-4.99
		20	#	#	#	4.38
		21	0.20	0.19	0.01	4.38
		22	0.41	0.44	-0.03	-7.46
		23	0.18	0.17	0.01	4.06
		24	0.90	0.86	0.04	4.10
		25	0.42	0.52	-0.10	-23.99
		26	0.07	0.10	-0.03	-46.42
		27	2.15	2.19	-0.04	-1.79
		28	0.70	0.71	-0.01	-0.74
		29	2.75	2.90	-0.14	-5.20
		30	0.10	0.09	#	4.38
		31	0.02	0.02	#	4.38
		33	0.13	0.14	-0.01	-9.66
		34	1.55	1.66	-0.11	-7.16
		35	11.28	11.71	-0.43	-3.77
		36	8.59	9.03	-0.44	-5.16
		37	0.25	0.24	0.01	4.38
		38	0.06	0.06	#	4.38
		39	0.10	0.09	#	4.38
		40	0.26	0.25	0.01	4.38
		41	0.08	0.07	#	4.38
		42	0.28	0.43	-0.14	-51.73
		43	0.21	0.20	0.01	4.38
		44	0.10	0.09	#	4.38
		45	0.11	0.11	#	4.38

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2HICTYP	Highest post-baccalaureate attainment as of 2012: Institution type	0	42.01	41.80	0.21	0.51
		1	0.62	0.61	#	0.80
		2	2.48	2.51	-0.03	-1.21
		3	28.54	28.67	-0.13	-0.47
		4	0.14	0.14	#	0.80
		5	21.50	21.56	-0.07	-0.30
		6	0.82	0.81	0.01	0.80
		7	0.45	0.44	#	0.80
		8	3.44	3.44	#	#
B2HIDEG	Highest degree attained since bachelor's as of 2012	0	42.01	41.83	0.18	0.43
		1	4.62	4.64	-0.02	-0.51
		2	1.22	1.21	0.01	0.78
		3	2.13	2.12	0.01	0.29
		4	4.90	4.89	0.01	0.22
		5	36.96	37.16	-0.20	-0.54
		6	0.88	0.87	0.01	0.78
		7	6.83	6.83	0.01	0.10
		8	0.28	0.28	#	0.78
		9	0.17	0.17	#	0.78
B2HIEINT	Highest post-baccalaureate enrollment as of 2012: Enrollment intensity	1	63.71	64.02	-0.31	-0.48
		2	27.72	27.71	0.02	0.07
		3	8.56	8.28	0.29	3.36
B2HIENR	Highest post-baccalaureate enrollment: Degree type, as of 2012	1	6.23	6.20	0.03	0.41
		2	2.53	2.50	0.02	0.91
		3	3.56	3.57	-0.01	-0.35
		4	6.36	6.33	0.03	0.51
		5	62.33	62.40	-0.08	-0.12
		6	1.64	1.63	0.01	0.91
		7	11.69	11.64	0.05	0.47
		8	5.05	5.11	-0.07	-1.32
		9	0.63	0.62	0.01	0.91
B2HIETYP	Highest post-baccalaureate enrollment as of 2012: Institution sector	1	0.80	0.79	0.01	1.22
		2	5.27	5.41	-0.14	-2.65
		3	46.70	46.86	-0.16	-0.34
		4	0.53	0.54	-0.02	-3.14
		5	37.81	37.61	0.20	0.52
		6	1.04	1.03	0.01	1.23
		7	0.50	0.49	0.01	1.23
		8	7.35	7.27	0.09	1.21
B2JBNUM	Number of jobs for pay in 2012	0	20.53	20.79	-0.26	-1.27
		1	72.89	72.64	0.24	0.33
		2	5.97	5.96	0.01	0.15
		3	0.51	0.51	0.01	1.31
		4	0.10	0.10	#	1.31
		7	#	#	#	1.31

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
B2MACMP	Completed master's degree program as of 2012	0	82.90	82.82	0.08	0.09
		1	17.10	17.18	-0.08	-0.45
B2MSTR12	Ever enrolled in master's degree program as of 2012	0	70.32	70.13	0.19	0.27
		1	29.68	29.87	-0.19	-0.63
B2PBCAT	Completed post-baccalaureate certificate program after 2007–08 bachelor's degree as of 2012	0	97.50	97.50	0.01	0.01
		1	2.50	2.50	-0.01	-0.24
B2PBCEV	Ever enrolled in post-baccalaureate certificate program after 2007–08 bachelor's degree as of 2012	0	96.11	96.07	0.04	0.04
		1	3.89	3.93	-0.04	-1.04
B2PMCAT	Completed post-master's certificate program as of 2012	0	99.62	99.62	#	#
		1	0.38	0.38	#	0.23
B2PMCEV	Ever enrolled in post-master's certificate program as of 2012	0	99.27	99.27	#	#
		1	0.73	0.73	#	-0.64
B2PREPAR	Prepared for K-12 teaching as of 2012	0	92.80	92.81	-0.01	-0.01
		1	7.20	7.19	0.01	0.12
B2PRIVLN	Received a private loan as of 2012	0	57.53	57.76	-0.23	-0.40
		1	42.47	42.24	0.23	0.55
B2PRIVSTAT	Private student loan status in 2012	0	70.08	57.76	12.32	17.58
		1	12.77	18.55	-5.78	-45.22
		2	3.82	5.23	-1.41	-37.00
		3	0.78	1.03	-0.25	-32.05
		4	0.60	0.81	-0.21	-34.64
		5	5.38	7.48	-2.11	-39.18
		6	1.77	2.38	-0.61	-34.48
		7	4.80	6.76	-1.96	-40.70
B2PROAT	Completed professional degree program as of 2012	0	97.04	97.02	0.01	0.01
		1	2.96	2.98	-0.01	-0.44
B2PROEV	Ever enrolled in professional degree program as of 2012	0	94.91	94.85	0.06	0.06
		1	5.09	5.15	-0.06	-1.12
I1CTRL	First postsecondary institution control	1	69.51	69.65	-0.15	-0.21
		2	28.14	28.00	0.15	0.53
		3	2.35	2.35	#	-0.12
I1LEVEL	First postsecondary institution level	1	78.76	78.76	-0.01	-0.01
		2	20.64	20.64	#	#
		3	0.60	0.59	0.01	1.11
NGGRDPLN	Plan to apply to graduate school in future as of 2007–08	0	13.35	13.32	0.03	0.19
		1	48.98	48.79	0.19	0.39
		2	37.68	37.89	-0.22	-0.57
NGGRPSA	Postponed graduate applications for academic reasons in 2007–08	0	79.00	78.80	0.20	0.25
		1	21.00	21.20	-0.20	-0.95

See notes at end of table.

Table G-3. Distributions of categorical variables before and after imputation, B&B:08/12: 2012—Continued

Variable	Variable label	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
NGGRPSB	Postponed graduate applications for financial reasons in 2007–08	0	49.98	49.86	0.12	0.24
		1	50.02	50.14	-0.12	-0.24
NGGRPSC	Postponed graduate applications for employment reasons in 2007–08	0	45.91	46.00	-0.09	-0.21
		1	54.09	54.00	0.09	0.17
NGGRPSD	Postponed graduate applications for other reasons in 2007–08	0	66.03	66.17	-0.14	-0.21
		1	33.97	33.83	0.14	0.41
NGNOGDA	Did not apply to graduate school for academic reasons in 2007–08	0	63.68	62.50	1.18	1.86
		1	36.32	37.50	-1.18	-3.26
NGNOGDB	Did not apply to graduate school for employment reasons in 2007–08	0	52.38	52.75	-0.37	-0.70
		1	47.62	47.25	0.37	0.77
NGNOGDC	Did not apply to graduate school for financial reasons in 2007–08	0	71.98	72.18	-0.20	-0.28
		1	28.02	27.82	0.20	0.71
NGNOGDD	Did not apply to graduate school for other reasons in 2007–08	0	68.74	69.07	-0.33	-0.48
		1	31.26	30.93	0.33	1.05
NUMINST	Number of institutions attended before 2007–08 bachelor's degree	1	43.93	43.95	-0.02	-0.05
		2	35.85	35.89	-0.04	-0.10
		3	14.72	14.68	0.03	0.23
		4	4.15	4.11	0.04	0.94
		5	0.99	0.99	-0.01	-0.74
		6	0.30	0.30	-0.01	-2.44
		7	0.07	0.07	#	2.28

Rounds to zero.

NOTE: Distributions were computed using the B&B:12 bookend weight. Cases with legitimate skips for the item are not included in the distributions. The difference is computed as the percentage before imputation minus the percentage after imputation. GMAT = Graduate Management Admission Test. GRE = Graduate Record Examinations. LSAT = Law School Admission Test. MCAT = Medical College Admission Test.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Appendix H

Analysis Variables

Table H-1. Analysis variables: 2012

Variable name	Label
ADMCON1	Admission considerations: Secondary school GPA
ADMCON2	Admission considerations: Secondary school rank
ADMCON3	Admission considerations: Secondary school record
ADMCON4	Admission considerations: Completion of college preparatory program
ADMCON5	Admission considerations: Recommendations
ADMCON6	Admission considerations: Formal demonstration of competencies
ADMCON7	Admission considerations: Admission test scores
ADMCON8	Admission considerations: TOEFL
ADMCON9	Admission considerations: Other test (Wonderlic, WISC III, etc.)
AGE	Age as of 12/31/07
AGEATBA	Age at 2007-08 bachelor's degree award date
AGEGROUP	Age group as of 12/31/07
AGEPSE	Age at start of postsecondary education
AIDAPP	Applied for any aid in 2007-08
AIDCST	Ratio of total aid to student budget in 2007-08
AIDCTRL	Institution control (with multiple) in 2007-08
AIDLEVL	Institution level (with multiple) in 2007-08
AIDSECT	Institution sector (with multiple) in 2007-08
AIDSNEED	Aid amount exceeding federal need in 2007-08
AIDSRC	Aid package by source of aid in 2007-08
AIDTYPE	Aid package by type of aid in 2007-08
ATT2PUB	Ever attended public 2-year institution as of 2007-08
ATTEND	Attendance intensity in fall 2007
ATTNINST	Institution sector and full-time status in 2007-08
ATTNPTRN	Attendance intensity (all institutions) in 2007-08
ATTNSTAT	Attendance pattern in 2007-08
B1ADMSUP	Teacher satisfaction: Administrative support as of 2009
B1AGE	Age in 2009
B1ALONE	Living alone in 2009
B1ANYAS	Post-baccalaureate degree: Any assistantships as of 2009
B1APCOMP	Reason didn't apply for a teaching position: Application difficult 2009
B1APRLFP	Labor force participation in April 2009
B1ART	Taught arts/music as of 2009
B1ART09	Currently teach arts/music in 2009
B1ART1	First job, taught arts/music as of 2009
B1AVGSAT	Satisfaction with 2009 job
B1AWRDMY	Date awarded bachelor's degree from NPSAS
B1AYP09	Current school AYP status in 2009
B1AYP1	First job, school AYP status as of 2009
B1BORAT	Cumulative loan amount borrowed for undergraduate through 2007-08
B1BRLN	Income based repayment in 2009
B1CARIND	Part of a career in industry: Current job in 2009
B1CARPAY	Car payment amount in 2009
B1CART	Content area certification: Arts and music, as of 2009
B1CENGL	Content area certification: English or language arts, as of 2009
B1CERT	Whether certified to teach K-12 in 2009
B1CESL	Content area certification: ESL, as of 2009
B1CFLNG	Content area certification: Foreign languages, as of 2009
B1CGENA	Content area certification: Elementary education, as of 2009
B1CGENB	Content area certification: Secondary education, as of 2009
B1CHELTH	Content area certification: Health/physical education, as of 2009
B1CITZN	Citizenship status as of 2009
B1CLSIZE	Teacher satisfaction: Class size, as of 2009

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1CMATH	Content area certification: Math or computer science, as of 2009
B1CMNT01	First teaching job: Received help working with parents and community as of 2009
B1COBEN	Undergraduate education worth the financial cost as of 2009
B1COMSRV	Volunteered in last 12 months as of 2009
B1CONSID	Considering career in K-12 teaching in 2009
B1COTHER	Content area certification: Other, as of 2009
B1CRELOC	Living more than 50 miles from bachelor's degree institution in 2009
B1CRTCRS	Had taken or was taking K-12 teacher certification course as of 2009
B1CRTMY	Date first certified to teach as of 2009
B1CRTTYP	Type of teacher certification as of 2009
B1CSCIEN	Content area certification: Natural sciences, as of 2009
B1CSOSCI	Content area certification: Social sciences, as of 2009
B1CSPCED	Content area certification: Special education, as of 2009
B1CURCAR	Non-career job: Exploring career options in 2009
B1CURCRT	Certified to teach at K-12 level as of 2009
B1CUREDU	Non-career job: Working to prepare for education in 2009
B1CUREST	Non-career job: Continuing job held before graduating in 2009
B1CURFUT	Non-career job: Deciding on future in 2009
B1CURINT	Non-career job: Pursuing other interests in 2009
B1CUROTH	Non-career job: Other description in 2009
B1CURPAY	Non-career job: Just paying the bills in 2009
B1CURSCH	Non-career job: Job while in school in 2009
B1CVOCTC	Content area certification: Vocational/career/technical education, as of 2009
B1DAGE	Age of youngest dependent in 2009
B1DCITZN	U.S. citizenship status in 2009
B1DCTR09	Ever enrolled in doctoral degree program as of 2009
B1DEFALT	Any federal loans in default as of 2009
B1DEFER	Any undergraduate loans in deferment as of 2009
B1DEP2	Number of dependents in 2009
B1DEPS	Any dependents in 2009
B1DISC01	First teaching job: Received help disciplining students as of 2009
B1DISMOB	Had mobility impairment in 2009
B1DISOTH	Had other disability in 2009
B1DISSEN	Had sensory impairment in 2009
B1DPNTS	Living with children or dependents in 2009
B1DSPC01	First teaching job: Felt prepared to manage classroom as of 2009
B1EDPCT	Monthly loan repayment as percent of income in 2009
B1EE09	Currently teach elementary education in 2009
B1EE1	First job, taught elementary education as of 2009
B1ELED	Taught elementary education since bachelor's as of 2009
B1EMPDIS	Reason not working for pay: Disabled in 2009
B1EMPHM	Reason not working for pay: Homemaker in 2009
B1EMPHX	Employment history since bachelor's degree attainment as of 2009
B1EMPLI	Employer offers benefits: Life insurance in 2009
B1EMPMI	Employer offers benefits: Medical or health insurance in 2009
B1EMPPY	Date began 2009 job
B1EMPOTH	Employer offers benefits: Other in 2009
B1EMPRB	Employer offers benefits: Retirement, other financial benefits in 2009
B1EMPTMP	Reason not working for pay: Waiting to report to work or layoff in 2009
B1EMPTRV	Reason not working for pay: Traveling in 2009
B1EMPTYP	Type of employer in 2009
B1EMPVOL	Reason not working for pay: Volunteering in 2009
B1ENG	Taught English/language arts since bachelor's as of 2009

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1ENG09	Currently teach English/language arts in 2009
B1ENG1	First job, taught English/language arts as of 2009
B1ENGL	English as native language in 2009
B1ENIN09	Enrollment intensity in 2009
B1ENR09	Current K-12 teaching job, total school K-12 enrollment in 2009
B1ENR1	First job, total school K-12 enrollment as of 2009
B1ENRST	Enrollment in degree program in 2009
B1ERNINC	Annualized salary for current job in 2009
B1ESL	Taught ESL since bachelor's as of 2009
B1ESL09	Currently teach ESL in 2009
B1ESL1	First job, taught ESL as of 2009
B1EVRTCH	Taught at K-12 level since completing 2007-08 bachelor's degree, as of 2009
B1EVRVT	Ever voted as of 2009
B1EXPAP	Placed on academic probation as of 2007-08
B1EXPDL	Placed on Dean's List as of 2007-08
B1EXPGH	Graduated with academic honors in 2007-08
B1EXPIN	Received an incomplete grade as of 2007-08
B1EXPPR	Repeated course for higher grade as of 2007-08
B1EXPWD	Withdrew from course as of 2007-08
B1FAM	Reason did not apply for a teaching position: Personal reasons, as of 2009
B1FDOWE1	Cumulative federal amount owed for undergraduate as of 2008-09
B1FINBLO	Postbaccalaureate financial aid type: Private education/bank loans, as of 2009
B1FINETR	Postbaccalaureate financial aid type: Employer tuition assistance, as of 2009
B1INFEL	Postbaccalaureate financial aid type: Fellowships, as of 2009
B1FINGR	Postbaccalaureate financial aid type: Grants or scholarships, as of 2009
B1FINNON	Postbaccalaureate financial aid type: None, as of 2009
B1FINOGA	Postbaccalaureate financial aid type: Other graduate assistantship, as of 2009
B1FINOTH	Postbaccalaureate financial aid type: Other, as of 2009
B1FINPL	Postbaccalaureate financial aid type: Personal loan or gift, as of 2009
B1FINRA	Postbaccalaureate financial aid type: Research assistantship, as of 2009
B1FINTA	Postbaccalaureate financial aid type: Teaching assistantship, as of 2009
B1FL09	Currently teach foreign languages in 2009
B1FL1	First job, taught foreign languages as of 2009
B1FLN	Taught foreign language as of 2009
B1FOR09	Current K-12 teaching job, school was foreign in 2009
B1FOR1	First job, school was foreign as of 2009
B1FORBAR	Any undergraduate loans in forbearance as of 2009
B1FORGIV	Participating in loan forgiveness for undergraduate loans in 2009
B1FRNLNG	Foreign language fluency in 2009
B1FRPL09	Current K-12 teaching job, percent free or reduced-price lunch in 2009
B1FRPL1	First job, percent free or reduced-price lunch as of 2009
B1FUTENR	Expect to pursue degree or certificate in future as of 2009
B1G1FSDT	Date of first post-baccalaureate enrollment as of 2009
B1GPLAMT	Graduate PLUS loan amount in 2008-09
B1GR1CON	First post-baccalaureate enrollment: Institution control, as of 2009
B1GR1DG	First post-baccalaureate enrollment: Degree type, as of 2009
B1GR1LEV	First post-baccalaureate enrollment: Institution level, as of 2009
B1GR1MJ	Field of study for first post-baccalaureate degree enrollment, as of 2009
B1GR1SEC	First post-baccalaureate enrollment: Institution sector, as of 2009
B1GRE	Took graduate or professional entrance exam as of 2009
B1GRFUTR	Plans for future post-baccalaureate enrollment in 2009
B1GRMJ09	Field of study for degree program enrollment in 2009
B1HELP	First teaching job: Received help from school or district as of 2009

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1HHCOMP	Household composition in 2009
B1HHPAY	Total monthly household debt payment in 2009
B1HIDEG	Highest degree attained since bachelor's as of 2009
B1HIENR	Highest post-baccalaureate enrollment: Degree type, as of 2009
B1HIGH09	Current K-12 teaching job, highest grade level school offered in 2009
B1HIGH1	First job, highest grade level school offered as of 2009
B1HIGR09	Current K-12 teaching job, highest grade level taught in 2009
B1HIGR1	First job, highest grade level taught as of 2009
B1HIMAJ	Highest post-baccalaureate enrollment: Field of study, as of 2009
B1HOTH	Living with someone not listed in 2009
B1HOURS	Hours worked per week in 2009
B1HOUSE	Own home and/or pay rent in 2009
B1HPE	Taught health or physical education since bachelor's as of 2009
B1HPE09	Currently teach health/physical education in 2009
B1HPE1	First job, taught health/physical education 2009
B1HRELOC	Living more than 50 miles from high school in 2009
B1INCHO	Satisfaction with quality of education at bachelor's degree institution as of 2009
B1INCSP	Income (independents' spouses) in 2008
B1IND01	Participated in formal teacher induction/mentor program in first teaching job as of 2009
B1INT01	Participated in teacher internship program in first teaching job as of 2009
B1INVR01	First teaching job: Felt prepared to use instructional methods as of 2009
B1ITNTCH	Worked as an itinerant teacher as of 2009
B1JBCR01	Working in K-12 teaching position 1 in 2009
B1JBCR02	Working in K-12 teaching position 2 in 2009
B1JBCR03	Working in K-12 teaching position 3 in 2009
B1JBCR04	Working in K-12 teaching position 4 in 2009
B1JBCR05	Working in K-12 teaching position 5 in 2009
B1JBCR06	Working in K-12 teaching position 6 in 2009
B1JBCR07	Working in K-12 teaching position 7 in 2009
B1JBIMPO	Satisfaction with employment: Challenge of work in 2009
B1JBOVER	Satisfaction with employment: Overall satisfaction in 2009
B1JBPAY	Satisfaction with employment: Compensation in 2009
B1JBSECR	Satisfaction with employment: Job security in 2009
B1JBTP01	Type of first K-12 teaching position after 2007-08 bachelor's degree, as of 2009
B1JBTP02	Type of second K-12 teaching position after 2007-08 bachelor's degree, as of 2009
B1JBTP03	Type of third K-12 teaching position after 2007-08 bachelor's degree, as of 2009
B1JBTP04	Type of fourth K-12 teaching position after 2007-08 bachelor's degree, as of 2009
B1JBTP05	Type of fifth K-12 teaching position after 2007-08 bachelor's degree, as of 2009
B1JBTP06	Type of sixth K-12 teaching position after 2007-08 bachelor's degree, as of 2009
B1JBTP07	Type of seventh K-12 teaching position after 2007-08 bachelor's degree, as of 2009
B1JSTAT	Working for pay in 2009
B1LANGS	Best known second language as of 2009
B1LEV09	Current school level in 2009
B1LEV1	First job, school level as of 2009
B1LFP09	Employment and enrollment status in 2009
B1LGCAR	Use non-English language in current career in 2009
B1LNEDU	Undergrad loan debt influenced employment: Work instead of school, as of 2009
B1LNFRGV	Aware of teacher loan forgiveness programs as of 2009
B1LNGCLS	Last time non-English language class was taken as of 2009
B1LNGCUR	Regular interaction with others in non-English language in 2009
B1LNGPLN	Use of non-English language in career in 2009
B1LNGPST	Frequency of non-English language spoken growing up, as of 2009
B1LNHLP	Loan payments: Paid by family or friends, as of 2009

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1LNINCT	Teacher loan forgiveness programs influential as of 2009
B1LNINFL	Undergraduate loan debt influenced employment plans as of 2009
B1LNINHR	Undergrad loan debt influenced employment: Worked more hours, as of 2009
B1LNINJB	Undergrad loan debt influenced employment: Less desirable job, as of 2009
B1LNINMR	Undergrad loan debt influenced employment: More than one job, as of 2009
B1LNINOT	Undergraduate loan debt influenced employment: Other reasons, as of 2009
B1LNINST	Undergrad loan debt influenced employment: Job outside field, as of 2009
B1LNPRT	Participated in teacher loan forgiveness program 2009
B1LNREAD	Reading proficiency of non-English language in 2009
B1LNSPEK	Speaking proficiency of non-English language in 2009
B1LNUND	Proficiency in understanding non-English language speech in 2009
B1LNWRIT	Writing proficiency of non-English language in 2009
B1LNWRTH	Undergraduate loan debt a worthwhile investment as of 2009
B1LOANS	Borrowed any undergraduate loans through 2007-08
B1LOC09	Current K-12 teaching job, school locale in 2009
B1LOC1	First job, school locale as of 2009
B1LOGR09	Current K-12 teaching job, lowest grade level taught in 2009
B1LOGR1	First job, lowest grade level taught as of 2009
B1LOW09	Current K-12 teaching job, lowest grade level school offered in 2009
B1LOW1	First job, lowest grade level school offered as of 2009
B1LTSUB	Worked as a long-term substitute as of 2009
B1LVCAR	Reasons left teaching: Dissatisfied with teaching or wanted another career, as of 2009
B1LVCOND	Reasons left teaching: Dissatisfied with workplace conditions, as of 2009
B1LVOTH	Reasons left teaching: Other reasons, as of 2009
B1LVPERS	Reasons left teaching: Personal reasons, as of 2009
B1LVSAL	Reasons left teaching: Inadequate salary and/or benefits, as of 2009
B1LVTRSF	Reasons left teaching: Laid off or involuntarily transferred, as of 2009
B1MACMP	Completed master's degree program as of 2009
B1MAIN	Main disability in 2009
B1MAJCHO	Satisfaction with undergraduate major choice as of 2009
B1MARCH	Family status in 2009
B1MARR	Marital status in 2009
B1MAT09	Currently teach math/computer science in 2009
B1MAT1	First job, taught math/computer science as of 2009
B1MATH	Taught math or computer science as of 2009
B1MEMP	Months employed since bachelor's degree attainment as of 2009
B1MILIT	Military status in 2009
B1MISC	Content area certification: Miscellaneous, as of 2009
B1MISC09	Currently teach miscellaneous subjects in 2009
B1MISC1	First job, taught miscellaneous subjects as of 2009
B1MISCD	Taught miscellaneous subjects as of 2009
B1MOLF	Months out of the labor force since bachelor's degree attainment as of 2009
B1MORED	Reason didn't apply for a teaching position: Needed more education, as of 2009
B1MORMON	Reason didn't apply for a teaching position: Didn't offer enough money, as of 2009
B1MOVE	Plan to move into non-teaching job in K-12 education as of 2009
B1MSTR09	Ever enrolled in master's degree program as of 2009
B1MTGAMT	Monthly rent or mortgage payment amount in 2009
B1MTHD01	First teaching job: Received help selecting curriculum 2009
B1MUNEM	Months unemployed since bachelor's degree attainment as of 2009
B1NATIVE	Native language other than English in 2009
B1NDGCWK	Non-degree coursework enrollment as of 2009
B1NF21B2	Second most important reason for working outside bachelor's field as of 2009
B1NFCUM1	Cumulative nonfederal loans borrowed for undergraduate through 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1NMJBDG	Number of jobs since 2007-08 bachelor's completion as of 2009
B1NOLNG	No second best language as of 2009
B1NP2YR	Able to complete bachelor's without attending 2-year institution as of 2009
B1NPDEG	Earned certificate or associate's at bachelor's institution before 2007-08 bachelor's, as of 2009
B1NPMJCH	Ever formally changed major at bachelor's degree institution as of 2009
B1NSF11	Foreign citizenship in 2009
B1NSF19B	Job in 2009 related to bachelor's degree major
B1NSF21B	Most important reason for working outside bachelor's field as of 2009
B1NSF9D	Method of U.S. citizenship as of 2009
B1NSFCHG	Working outside bachelor's field: Career change, in 2009
B1NSFCON	Working outside bachelor's field: Working conditions, in 2009
B1NSFFAM	Working outside bachelor's field: Family-related, in 2009
B1NSFFLD	Working outside bachelor's field: No job in degree field, in 2009
B1NSFLOC	Working outside bachelor's field: Job location, in 2009
B1NSFOFR	Working outside bachelor's field: Other, in 2009
B1NSFPAY	Working outside bachelor's field: Pay/promotion opportunities, in 2009
B1NUMJOB	Number of jobs for pay in 2009
B1OCC33	Occupation, 33 categories, in 2009
B1OCCTREND	2009 occupation, computed for trends
B1OFFER	Received any offers for teaching positions as of 2009
B1OTH	Taught other subjects as of 2009
B1OTH09	Currently teach other unspecified subject in 2009
B1OTH1	First job, taught other unspecified subject as of 2009
B1OTHRSN	Reason didn't apply for a teaching position: Another reason not listed as of 2009
B1OTHHTCH	Worked as an other type of teacher as of 2009
B1OTLANG	Knew non-English language as of 2009
B1OUTFLD	Primary reason for working outside of bachelor's degree field in 2009
B1OWAMT1	Amount owed in 2009
B1PARIL	Living with parents or in-laws in 2009
B1PAYPLN	Repayment plan of federal loan in 2009
B1PBENST	Enrollment intensity after bachelor's degree, as of 2009
B1PCEMP	Percent of time employed from bachelor's degree attainment to 2009
B1PCOLF	Percent of time out of the labor force from bachelor's degree attainment to 2009
B1PCUNEM	Percent of time unemployed from bachelor's degree attainment to 2009
B1PERCUM	Cumulative Perkins loan amount as of 2009
B1PIPLN	Teacher pipeline status as of 2009
B1PLNTCH	Plan to teach in K-12 classroom in future as of 2009
B1PLUCUM	Cumulative Graduate PLUS loan amount as of 2009
B1PMIN09	Current K-12 teaching job, percent minority enrollment in 2009
B1PMIN1	First job, percent minority enrollment as of 2009
B1PNTSUP	Teacher satisfaction: Parent support, as of 2009
B1POS09	Most recent teaching position type as of 2009
B1POS1	First teaching position type as of 2009
B1PREF	Reason didn't apply for a teaching position: Preferred other career as of 2009
B1PREFT	Prefer to work more hours as of 2009
B1PREP	Felt prepared in first teaching job as of 2009
B1PREPAR	Prepared for a teaching career at the K-12 level as of 2009
B1PRKAMT	Graduate Perkins loan amount in 2008-09
B1PRSB09	Current K-12 teaching job, felt prepared to teach subjects in 2009
B1PRSB1	First job, felt prepared to teach subjects as of 2009
B1PSDMY	Date of first post-baccalaureate completion as of 2009
B1PUPR09	Current school sector (public/private) in 2009
B1PUPR1	First job, school sector (public/private) as of 2009

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1REGION	Region of residence in 2009
B1REGTCH	Worked as a regular teacher as of 2009
B1REPAY	Repayment status for any loans in 2009
B1RPYAMT	Monthly undergraduate loan payment in 2009
B1RSEMP	Reason for non-degree coursework: Current employment, as of 2009
B1RSGOAL	Reason for non-degree coursework: Long-term goals, as of 2009
B1RSOTH	Reason for non-degree coursework: Other, as of 2009
B1RSPERS	Reason for non-degree coursework: Personal enrichment, as of 2009
B1SALNT	Annualized salary (non-teachers) in 2009
B1SALPR	Annualized salary percentile for current job in 2009
B1SBLOAN	Graduate federal subsidized loan amount in 2008-09
B1SCI	Taught natural sciences as of 2009
B1SCI09	Currently teach science in 2009
B1SCI1	First job, taught science as of 2009
B1SEARCH	Looking for a job in 2009
B1SEC09	Currently teach secondary education in 2009
B1SEC1	First job, taught secondary education as of 2009
B1SECED	Taught secondary education as of 2009
B1SED09	Currently teach special education in 2009
B1SED1	First job, taught special education as of 2009
B1SETTLE	Any undergraduate loans settled as of 2009
B1SINGP	Single parent in 2009
B1SIZE09	Current K-12 teaching job, school enrollment size (matches B&B:01) in 2009
B1SIZE1	First job, school enrollment size (matches B&B:01) as of 2009
B1SMSTAT	Residence in bachelor's degree institution state in 2009
B1SOACPR	Stopped out before bachelor's due to academic problems as of 2009
B1SOC	Taught social sciences as of 2009
B1SOC09	Currently teach social sciences in 2009
B1SOC1	First job, taught social sciences as of 2009
B1SOCSUP	Teacher satisfaction: Relationships with colleagues and supervisors as of 2009
B1SOENOT	Stopped out before bachelor's to enroll elsewhere as of 2009
B1SOFAMC	Stopped out before bachelor's due to change in family status as of 2009
B1SOJBML	Stopped out before bachelor's due to conflict with job or military as of 2009
B1SOOFIN	Stopped out before bachelor's for other financial reasons as of 2009
B1SOOTH	Stopped out before bachelor's for another reason as of 2009
B1SOPERS	Stopped out before bachelor's for personal reasons as of 2009
B1SOTMOF	Stopped out before bachelor's because needed time off from studying as of 2009
B1SOWRK	Stopped out before bachelor's because needed to work as of 2009
B1SPCOL	Spouse attended college or graduate school in 2008-09
B1SPECED	Taught special education as of 2009
B1SPEMP	Spouse employed in 2008
B1SPLN	Spouse had student loans as of 2009
B1SPLNAM	Spouse's student loan amount as of 2009
B1SPLV	Highest education attained by spouse as of 2009
B1SPNOT	Not married to spouse in 2008
B1SPODP	Living with spouse or domestic partner in 2009
B1SPOWE	Spouse's student loan amount owed as of 2009
B1SPPAMT	Spouse's monthly payment on student loans in 2009
B1ST09	Current K-12 teaching job, state in 2009
B1ST1	First job, state as of 2009
B1STAFSB	Graduate Stafford subsidized loan amount in 2008-09
B1STCOMP	Completed student teaching or teacher practicum as of 2009
B1STDISP	Teacher satisfaction: Student discipline as of 2009

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1STEM09	Currently teach a STEM subject in 2009
B1STFAMT	Graduate Stafford total loan amount in 2008-09
B1STFCUM	Cumulative Stafford total loan amount as of 2009
B1STOPOT	Ever stopped out before completing bachelor's degree as of 2009
B1STRES	State of legal residence in 2009
B1STSCUM	Cumulative Stafford subsidized loan amount as of 2009
B1STSUB	Worked as a short-term substitute as of 2009
B1STUCUM	Cumulative Stafford unsubsidized loan amount as of 2009
B1STUNSB	Graduate Stafford unsubsidized loan amount in 2008-09
B1STUTCH	Worked as a student teacher as of 2009
B1SUB09	Currently teaching as aide, short-term sub, or student teacher in 2009
B1SUB1	First taught as aide, short-term sub, or student teacher as of 2009
B1SUBCUM	Cumulative Stafford subsidized and Perkins loan amount as of 2009
B1SUPTCH	Worked as a support teacher as of 2009
B1T4LAMT	Graduate Title IV loan amount in 2008-09
B1T4TCUM	Cumulative federal loan amount borrowed as of 2009
B1T4TOWE	Cumulative federal loan amount owed in 2009
B1T4XCUM	Cumulative Stafford and Perkins loan amount as of 2009
B1T4XOWE	Cumulative Stafford and Perkins loan amount owed in 2009
B1TCERT	Whether certified in subjects taught in 2009
B1TCH01	First teaching job: Felt prepared to teach subject matter as of 2009
B1TCHAID	Worked as a teacher's aide as of 2009
B1TCHAPP	Applied for K-12 teaching position as of 2009
B1TCHCIP	Bachelor's degree major in teaching as of 2009
B1TCHEFF	Teacher satisfaction: Effectiveness as a teacher, as of 2009
B1TCHGRT	Aware of TEACH Grant program as of 2009
B1TCHNO	Reason didn't apply for a teaching position: Did not like teaching, as of 2009
B1TCHOCC	Occupation code is in teaching in 2009
B1TEACHR	Worked as a regular, itinerant, support, or long-term sub teacher as of 2012.
B1TFP09	Current K-12 teaching job, taught full time or part time in 2009
B1TFP1	First job, taught full time or part time as of 2009
B1TIMOFF	Time before current job offer as of 2009
B1TJBNUM	Number of teaching positions held as of 2009
B1TTLI09	Current school Title I eligible in 2009
B1TYP09	Current school type in 2009
B1TYP1	First job, school type as of 2009
B1UNEMSP	Unemployment spells since bachelor's degree attainment as of 2009
B1VLCHUR	Volunteered: Service to a church, in 2009
B1VLCOM	Volunteered: Service to the community, in 2009
B1VLFUND	Volunteered: Fundraising, in 2009
B1VLFUT	Likely to continue volunteering in next 12 months, as of 2009
B1VLHEAL	Volunteered: Health services, in 2009
B1VLKIDS	Volunteered: Non-education-related work with kids, in 2009
B1VLNBRH	Volunteered: Neighborhood improvement, in 2009
B1VLNON	Volunteered: Service to nonprofit organizations, in 2009
B1VLONE	Volunteered : One-time event, in 2009
B1VLOTH	Volunteered: Other type of service, in 2009
B1VLSOUP	Volunteered: Homeless shelter or soup kitchen, in 2009
B1VLTUT	Volunteered: Tutoring or education-related work, in 2009
B1VOC	Taught vocational/career/technical education as of 2009
B1VOC09	Currently teach vocational/career/technical in 2009
B1VOC1	First job, taught vocational/career/technical as of 2009
B1VOTE	Registered to vote as of 2009

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B1VYHRS	Number of hours volunteered in 2009
B1WRK12M	Employed since graduating with bachelor's degree as of 2009
B1WRKS	Primarily student or employee while enrolled in 2009
B2AAAT	Completed post-baccalaureate associate's degree program as of 2012
B2AAEV	Ever enrolled in post-baccalaureate associate's degree program as of 2012
B2AALONE	Living alone in 2012
B2ADPNTS	Living with children or dependents in 2012
B2AFINCON	Shares financial responsibilities with household adult in 2012
B2AFINWHO	Adult in household who shares financial responsibilities in 2012
B2AHOTH	Living with someone not listed in 2012
B2ALLHRS	Hours worked per week in all jobs in 2012
B2AMARR	Marital status in 2012
B2APARIL	Living with parents or in-laws in 2012
B2ASPODP	Living with spouse or domestic partner in 2012
B2BAAT	Completed additional bachelor's degree program as of 2012
B2BAEV	Ever enrolled in additional bachelor's degree program as of 2012
B2BORAT	Cumulative amount borrowed for education through 2012
B2CAPP	Applied for enrollment in a degree program since bachelor's degree as of 2012
B2CEFUT	Likelihood of enrolling in an undergraduate or graduate program as of 2012
B2CERAT	Completed post-baccalaureate certificate program as of 2012
B2CEREV	Ever enrolled in post-baccalaureate certificate program as of 2012
B2CEXAM	Took graduate or professional entrance exam as of 2012
B2CEXMNON	Taken graduate or professional entrance exam: None, as of 2012
B2CEXMOTH	Taken graduate or professional entrance exam: Other, as of 2012
B2CGMAT	Taken graduate or professional entrance exam: GMAT, as of 2012
B2CGRE	Taken graduate or professional entrance exam: GRE, as of 2012
B2CJHRS	Hours worked per week in primary job in 2012
B2CJOCC33	Occupation for primary job in 2012
B2CJSAL	Annualized salary for primary job in 2012
B2CLSAT	Taken graduate or professional entrance exam: LSAT, as of 2012
B2CMCAT	Taken graduate or professional entrance exam: MCAT, as of 2012
B2CNDGCWK	Attended for non-degree post-baccalaureate courses as of 2012
B2CNOATTAPP	Reason did not attend additional education: Awaiting decision, as of 2012
B2CNOATTFIN	Reason did not attend additional education: Financial reasons, as of 2012
B2CNOATTFIT	Reason did not attend additional education: Not right fit, as of 2012
B2CNOATTOTH	Reason did not attend additional education: Other, as of 2012
B2CNOATTPER	Reason did not attend additional education: Personal reasons, as of 2012
B2CNOATTRJ	Reason did not attend additional education: Not accepted, as of 2012
B2CNSCUM	Cumulative amount of federal loans consolidated as of 2012
B2CPREREQ	Reason for non-degree coursework: Prerequisite requirement, as of 2012
B2CPSTGRD	Enrolled in additional degree program since bachelor's degree as of 2012
B2CRSEMP	Reason for non-degree coursework: Current employment, as of 2012
B2CRSGOAL	Reason for non-degree coursework: Long-term career goal, as of 2012
B2CRSLTED	Reason for non-degree coursework: Long-term education goal, as of 2012
B2CRSOTH	Reason for non-degree coursework: Other, as of 2012
B2CRSPERS	Reason for non-degree coursework: Personal enrichment, as of 2012
B2CURDEG	Current enrollment: Degree type, in 2012
B2CURENRL	Currently enrolled in 2012
B2CURMAJ	Current enrollment: Field of study, in 2012
B2CURTYP	Current enrollment: Institution type, in 2012
B2DBAL	Satisfaction with primary job: Work life balance, in 2012
B2DBEN	Satisfaction with benefits for primary job in 2012
B2DBENANY	Employer offered any benefits for primary job in 2012

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B2DBONUS	Primary job: Received bonus, in 2012
B2DCHAL	Satisfaction with primary job: Challenge of work, in 2012
B2DCOMSN	Primary job: Received commission, in 2012
B2DCTR12	Ever enrolled in doctoral degree program as of 2012
B2DCURBEN	Non-career primary job: Working to receive benefits, in 2012
B2DCURCAR	Non-career primary job: Exploring career options, in 2012
B2DCUREDU	Non-career primary job: Working to prepare for education, in 2012
B2DCUREST	Non-career primary job: Continuing job held before graduating, in 2012
B2DCURFUT	Non-career primary job: Deciding on future, in 2012
B2DCURINT	Non-career primary job: Pursuing other interests, in 2012
B2DCURL	Part of a career in industry: primary job in 2012
B2DCUROTH	Non-career primary job: Other description, in 2012
B2DCURPAY	Non-career primary job: Just paying the bills, in 2012
B2DCURSCH	Non-career primary job: Job while in school, in 2012
B2DEBTRT	Ratio of federal loans to annualized salary in 2012
B2DEMPFPT	Primary job: Starting job status, in 2012
B2DEMPSLF	Self-employed in 2012
B2DENDFPT	Primary job: Current or most recent job status, in 2012
B2DEVERLK	Looked for work since completing bachelor's degree as of 2012
B2DIMP	Satisfaction with primary job: Importance of work, in 2012
B2DNSF19B	Job in 2012 related to bachelor's degree major
B2DNSFA	Primary job: Requires a bachelor's degree or higher, in 2012
B2DNSFPBD	Primary job: Related to post-baccalaureate degree/certificate, in 2012
B2DOCAT	Completed doctoral degree program as of 2012
B2DOTM	Reason worked more than 40 hours in primary job: To earn extra money, in 2012
B2DOTOTH	Reason worked more than 40 hours in primary job: Other reason, in 2012
B2DOTR	Reason worked more than 40 hours in primary job: Demands of job, in 2012
B2DOVTIM	Primary job: Received overtime pay, in 2012
B2DPAY	Satisfaction with primary job: Compensation, in 2012
B2DPREFT	Prefer full-time for primary job in 2012
B2DSEARCH	Looking for a job in 2012
B2DSEC	Satisfaction with primary job: Job security, in 2012
B2DWYFR	Reason worked part time in primary job: Family responsibilities, in 2012
B2DWYMLJ	Reason worked part time in primary job: Held more than one job, in 2012
B2DWYNJA	Reason worked part time in primary job: Full-time job not available, in 2012
B2DWYNOH	Reason worked part time in primary job: Did not want to work more hours, in 2012
B2DWYOTH	Reason worked part time in primary job: Other reason, in 2012
B2DWYSCH	Reason worked part time in primary job: Working while attending school, in 2012
B2EDPCT	Monthly loan repayment as percent of income in 2012
B2EEHIST	Employment and enrollment history as of 2012
B2EMPR1T	Full time/part time status in all jobs in 2012
B2ENIN12	Enrollment intensity in 2012
B2ENREMP	Enrollment and employment status (with enrollment intensity) in 2012
B2FDDUE1	Cumulative federal amount owed (principal and interest) for undergraduate as of 2012
B2FDDUE2	Cumulative federal amount owed (principal and interest) for graduate as of 2012
B2FDDUE3	Cumulative federal amount owed (principal and interest) for all education as of 2012
B2FDEP2	Number of dependent children in 2012
B2FDOWE1	Cumulative federal amount owed (principal) for undergraduate as of 2012
B2FEDCUM1	Cumulative amount borrowed in federal loans as of 2012 - undergraduate level
B2FEDCUM2	Cumulative amount borrowed in federal loans as of 2012 - graduate level
B2FEDCUM3	Cumulative total amount borrowed in federal loans as of 2012
B2FMILITA	Military status in 2012: Veteran
B2FMILITB	Military status in 2012: Active duty

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
B2FMILITC	Military status in 2012: Reserves
B2FMILITD	Military status in 2012: National guard
B2FMLSERV	Served in the military as of 2012
B2FOTHER	Any dependents other than children in 2012
B2FSTDEG	First post-baccalaureate enrollment as of 2012: Degree type
B2FSTINT	First post-baccalaureate enrollment as of 2012: Enrollment intensity
B2FSTMAJ	First post-baccalaureate enrollment as of 2012: Field of study
B2FSTTYP	First post-baccalaureate enrollment as of 2012: Institution type
B2HICINT	Highest post-baccalaureate attainment as of 2012: Enrollment intensity
B2HICMAJ	Highest post-baccalaureate attainment as of 2012: Field of study
B2HICTYP	Highest post-baccalaureate attainment as of 2012: Institution type
B2HIDEGL	Highest degree attained since bachelor's as of 2012
B2HIEINT	Highest post-baccalaureate enrollment as of 2012: Enrollment intensity
B2HIEMAJ	Highest post-baccalaureate enrollment: Field of study, as of 2012
B2HIENR	Highest post-baccalaureate enrollment: Degree type, as of 2012
B2HIETYP	Highest post-baccalaureate enrollment as of 2012: Institution sector
B2INC12	Annualized total salary for all jobs in 2012
B2JBNUM	Number of jobs for pay in 2012
B2JSTAT	Working for pay in 2012
B2LFP12	Employment and enrollment status in 2012
B2LNPMPT	Monthly payment on student loans in 2012 (federal and private)
B2LNSTAT	Status of latest federal loan as of 2012
B2MACMP	Completed master's degree program as of 2012
B2MARCH	Family status in 2012
B2MEMP	Months employed since bachelor's degree award date as of 2012
B2MOLF	Months out of the labor force since bachelor's degree award date as of 2012
B2MSTR12	Ever enrolled in master's degree program as of 2012
B2MUNEM	Months unemployed since bachelor's degree award date as of 2012
B2PAYSTAT	Repayment status for any loans in 2012 (federal and private)
B2PBCAT	Completed post-baccalaureate certificate program after 2007-08 bachelor's degree as of 2012
B2PBCEV	Ever enrolled in post-baccalaureate certificate program after 2007-08 bachelor's degree as of 2012
B2PCEMP	Percent of time employed from bachelor's degree award date to 2012
B2PCOLF	Percent of time out of the labor force from bachelor's degree award date to 2012
B2PCUNEM	Percent of time unemployed from bachelor's degree award date to 2012
B2PMCAT	Completed post-master's certificate program as of 2012
B2PMCEV	Ever enrolled in post-master's certificate program as of 2012
B2PRIVAMT	Amount of private student loans as of 2012
B2PRIVLN	Received a private loan as of 2012
B2PRIVSTAT	Private student loan status in 2012
B2PROAT	Completed professional degree program as of 2012
B2PROEV	Ever enrolled in professional degree program as of 2012
B2RPMT_FED	Monthly federal student loan payment in 2012
B2RPMT_PRI	Monthly private student loan payment in 2012
B2TOTDUE3	Cumulative amount owed for education loans as of 2012 (federal and private, principal and interest)
B2TOTJOB	Number of jobs since 2007-08 bachelor's degree as of 2012
BUDGETAJ	Student budget (attendance adjusted) in 2007-08
BUDNONAJ	Non-tuition expense budget (attendance adjusted) in 2007-08
CAGI	Income in 2006
CALSYS	Institution calendar system in 2007-08
CAMPAMT	Federal campus-based aid (Perkins, SEOG, FWSP) in 2007-08
CC2000	Carnegie code (2000) for 2007-08 institution
CC2000A	Carnegie code (2000) with control for 2007-08 institution
CC2000B	Carnegie code (modified 2000) with control for 2007-08 institution

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
CC2005B	Carnegie code (2005 basic) for 2007-08 institution
CC2005C	Carnegie code (2005 basic, collapsed) for 2007-08 institution
CC2005E	Carnegie code (2005, enrollment profile) for 2007-08 institution
CC2005G	Carnegie code (2005, graduate program) for 2007-08 institution
CC2005P	Carnegie code (2005, undergraduate program) for 2007-08 institution
CC2005S	Carnegie code (2005, size and setting) for 2007-08 institution
CC2005U	Carnegie code (2005, undergraduate profile) for 2007-08 institution
CINCOME	Income (dependents' parents and independents) in 2006
CITIZEN2	Citizenship status as of 2007-08
CLOCK	Clock hour or credit hour institution in 2007-08
CNTLAFFI	Institutional control or affiliation in 2007-08
COMHOUR	Hours volunteered per month in 2007-08
COMNUM	Number of volunteer activities in 2007-08
COMONE	Volunteered in 2007-08: One-time event
COMREQ	Volunteering required or part of program in 2007-08
COMSERV	Volunteered in last 12 months as of 2007-08
COMSERVA	Volunteered in 2007-08: Fundraising
COMSERVB	Volunteered in 2007-08: Health services
COMSERVC	Volunteered in 2007-08: Homeless shelter or soup kitchen
COMSERVD	Volunteered in 2007-08: Neighborhood improvement
COMSERVE	Volunteered in 2007-08: Non-education-related work with kids
COMSERVF	Volunteered in 2007-08: Service to church
COMSERVG	Volunteered in 2007-08: Tutoring or education-related work
COMSERVX	Volunteered in 2007-08: Other type of service
CONTROL	Bachelor's degree institution control in 2007-08
CRBALDUE	Credit cards: Balance due on all credit cards as of 2007-08
CRNUMCRD	Credit cards: Number of credit cards in own name as of 2007-08
CRPARPAY	Credit cards: Parents help pay credit card bills as of 2007-08
CRPAYOFF	Credit cards: Pay off or carry balance as of 2007-08
CUMLNTP1	Types of loans borrowed as of 2007-08
DEBTRT09	Ratio of federal loans to annualized salary in 2009
DEGPR	Earned any degree since high school prior to 2007-08 bachelor's degree
DEGPRAA	Earned associate's degree prior to 2007-08 bachelor's degree
DEGPRBA4	Earned 4-year bachelor's degree prior to 2007-08 bachelor's degree
DEGPRBA5	Earned 5-year bachelor's degree prior to 2007-08 bachelor's degree
DEGPRCRT	Earned undergraduate certificate prior to 2007-08 bachelor's degree
DEGPRDOC	Earned doctoral degree prior to 2007-08 bachelor's degree
DEGPRFP	Earned first-professional degree prior to 2007-08 bachelor's degree
DEGPRMS	Earned master's degree prior to 2007-08 bachelor's degree
DEGPRPTB	Earned post-baccalaureate certificate prior to 2007-08 bachelor's degree
DEGPRPTM	Earned post-master's certificate prior to 2007-08 bachelor's degree
DEPANY	Any dependents in 2007-08
DEPCARE	Children in daycare in 2007-08
DEPCHILD	Any dependent children in 2007-08
DEPCOST	Monthly day care costs in 2007-08
DEPEND	Dependency status in 2007-08
DEPEND2	Dependency status (3 categories) in 2007-08 academic year
DEPEND4	Dependency status (4 categories) in 2007-08 academic year
DEPEND5A	Dependency and marital status (separated is married) in 2007-08
DEPEND5B	Dependency and marital status (separated is unmarried) in 2007-08
DEPINC	Income (dependents' parents) in 2006
DEPNUM	Number of dependents in 2007-08
DEPNUMCH	Number of dependent children in 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
DEPOLD	Age of oldest child in 2007-08
DEPOTHER	Any dependents other than children in 2007-08
DEPTYPE	Types of dependents in 2007-08
DEPYNG	Age of youngest child in 2007-08
DIRECTLN	Stafford loan program in 2007-08
DISABLE	Had disability in 2007-08
DISMOBIL	Had mobility impairment in 2007-08
DISOTHER	Had other disability in 2007-08
DISSENSR	Had sensory impairment in 2007-08
DISTALL	Distance education program in 2007-08
DISTEDUC	Any distance education courses in 2007-08
DISTHOME	Distance from bachelor's degree institution to home in 2007-08
DISTLOC	Location of distance education courses in 2007-08
DISTWK	Distance between 2007-08 job and bachelor's degree institution
DISTYPES	Main disability in 2007-08
DSTUINC	Income (dependents) in 2006
EFC	EFC in 2007-08
EFCAID	Aid subject to federal EFC limitation in 2007-08
EFFORT18	Net price after aid in 2007-08 as percent of 2006 income
EFFORT20	Net price after grants and loans in 2007-08 as percent of 2006 income
EFFORT3	Net price after grants in 2007-08 as percent of 2006 income
EFFORT9	Net tuition after all grants in 2007-08 as percent of 2006 income
EMPLWAIV	Institutional tuition waivers for staff in 2007-08
EMPLYAM1	Employer aid (excluding parents') in 2007-08
EMPLYAM2	Employer aid (parents) in 2007-08
EMPLYAM3	Employer aid (including parents') in 2007-08
EMPLYAMT	Employer aid (includes college staff) in 2007-08
ENRLSIZE	Fall 2006 enrollment at bachelor's degree institution
ENRSTAT	Enrollment pattern in 2007-08
ESUBMX2	Whether Stafford individual subsidized maximum in 2007-08
EVER2PUB	Ever taken course at public 2-year institution as of 2007-08
FEDAPP	Applied for federal aid in 2007-08
FEDBEN	Received any federal benefits in 2007-08
FEDBENA	Received Food Stamp Benefits in 2007-08
FEDBENB	Received Free/Reduced Price School Lunch Benefits in 2007-08
FEDBENC	Received Supplemental Security Income Benefits in 2007-08
FEDBEND	Received TANF Benefits in 2007-08
FEDBENE	Received WIC Benefits in 2007-08
FEDCUM1	Cumulative federal loans borrowed for undergraduate through 2007-08
FEDGRPCT	Ratio of federal grants to total aid in 2007-08
FEDLNPAK	Federal loan package by type of loan in 2007-08
FEDNEED	Federal need-based aid in 2007-08
FEDPACK	Federal aid package by type of aid in 2007-08
FEDPCT	Ratio of federal aid to total aid in 2007-08
FGRTLN	Total federal loans and grants in 2007-08
FINAIDA	Financial aid decisions: Compared lender options as of 2007-08
FINAIDB	Financial aid decisions: Discussed with family/friends as of 2007-08
FINAIDC	Financial aid decisions: Researched on Internet as of 2007-08
FINAIDD	Financial aid decisions: Talked with staff as of 2007-08
FLNPCT6	Ratio of federal loans to aid (excluding PLUS, veterans) in 2007-08
FPOFFER	First-professional degree program offered in 2007-08
GENDER	Gender
GPA	Undergraduate GPA as of 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
GPASCALE	Grade point average scale in 2007-08
GRNTSRC	Grant package by source of grant in 2007-08
GRTCST	Ratio of grant aid to student budget in 2007-08
GRTLOAN	Ratio of grants to total loans in 2007-08
GRTPCT	Ratio of grants to total aid in 2007-08
GRTPCTTN	Ratio of grant aid to tuition in 2007-08
GRTRATIO	Ratio of grants to grants and loans in 2007-08
GRTSNEED	Grant amount exceeding federal need in 2007-08
HBCU	Received 2007-08 bachelor's degree from HBCU
HBCUANY	Ever attended HBCU as of 2007-08
HCHONORS	Number of high school honors subjects
HCMATHHI	Highest level of math completed or planned in high school
HCSCINUM	Number of science courses taken or planned in high school
HCTKBiol	Took or planned to take biology in high school
HCTKChem	Took or planned to take chemistry in high school
HCTKPhys	Took or planned to take physics in high school
HCYSENGL	Number of years of high school English
HCYSLANG	Number of years of high school foreign language
HCYSMATH	Number of years of high school math
HCYSSCIE	Number of years of high school science
HCYSSOCI	Number of years of high school social studies
HHE	Ever attended HHE institution as of 2007-08
HHEBA	Received 2007-08 bachelor's degree from High Hispanic Enrollment institution
HIGHLVEX	Highest level of education ever expected as of 2007-08
HIOTHDEG	Highest degree attained before 2007-08 bachelor's degree
HISPANIC	Race: Hispanic or Latino origin
HISPTYPE	Type of Hispanic/Latino origin
HLOFFER	Highest level of offering at 2007-08 bachelor's degree institution
HOMEPAR	Parents own home or pay mortgage in 2007-08
HOMESTUD	Owned home or paid mortgage in 2007-08
HS_BA	Months between high school graduation and 2007-08 bachelor's degree award date
HSCRDANY	Earned any college credits in high school
HSCRDAP	Earned Advanced Placement credit in high school
HSCRDCOL	Earned college credits at a college in high school
HSDEG	High school degree type
HSGPA	Grade point average in high school
HSIZE	Family size in 2007-08
HSMY	Date of high school completion
HSTYPE	Type of high school attended
I1CTRL	First postsecondary institution control
I1LEVEL	First postsecondary institution level
I1PUB2	First postsecondary institution was a public 2-year
I1SECT	First postsecondary institution sector
IMMIGEN	Immigrant generational status in 2007-08
IMMIGRA	Immigrant status as of 2007-08
INATHAMT	Athletic scholarships in 2007-08
INCOME	Income by dependency in 2006
INCOMST	Income in 2007
INCPCT1	Student budget in 2007-08 as percent of 2006 income
INCPCT2	Tuition in 2007-08 as percent of 2006 income
INDEPINC	Income (independents) in 2006
INGRTAMT	Institutional grants in 2007-08
INJURIS	Tuition jurisdiction in 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
INLNAMT	Institutional loans in 2007-08
INSMERIT	Institutional merit-only grants in 2007-08
INSTAMT	Institutional aid total in 2007-08
INSTGPCT	Ratio of institutional grants to total aid in 2007-08
INSTNEED	Institutional need-based grants in 2007-08
INSTNOND	Institutional non-need and merit grants in 2007-08
INSTPACK	Aid package with institutional aid in 2007-08
INSTPCT	Ratio of institutional aid to total aid in 2007-08
INSTSTAT	Bachelor's degree institution state, 2007-08
INSTWRK	Institutional work-study in 2007-08
INSWAIV	Institutional tuition and fee waivers in 2007-08
JOBAFFOR	Job: Can afford school without working in 2007-08
JOBEARN	Earnings from job (excluding work-study) while enrolled in 2007-08
JOBEARN2	Earnings from job while enrolled (including work-study) in 2007-08
JOBEFFA	Job while enrolled in 2007-08 helped with career preparation
JOBEFFB	Job while enrolled in 2007-08 helped with class work
JOBEFFC	Job while enrolled in 2007-08 limited access to campus facilities
JOBEFFD	Job while enrolled in 2007-08 limited class schedule
JOBEFFE	Job while enrolled in 2007-08 limited number of classes
JOBEFFF	Job while enrolled in 2007-08 restricted choice of classes
JOBEFFGR	Job while enrolled in 2007-08 effect on grades
JOBEMPL	Type of employer in 2007-08
JOBENR	Work intensity while enrolled in 2007-08 (excluding work-study)
JOBENR2	Work intensity while enrolled in 2007-08
JOBHOUR	Hours worked per week (excluding work-study) in 2007-08
JOBHOUR2	Hours worked per week (including work-study) in 2007-08
JOBMAJOR	Job while enrolled in 2007-08 related to major
JOBNUM	Number of jobs (excluding work-study) in 2007-08
JOBNUM2	Number of jobs (including work-study) in 2007-08
JOBONOFF	Location of job while enrolled in 2007-08
JOBPRIOR	Held 2007-08 job prior to enrolling at bachelor's degree institution
JOBROLE	Primarily student or employee (excluding work-study) in 2007-08
JOBROLE2	Primarily student or employee (including work-study) in 2007-08
JOBRNSNA	Worked while enrolled in 2007-08 to earn spending money
JOBRSNB	Worked while enrolled in 2007-08 to gain job experience
JOBRNSNC	Worked while enrolled in 2007-08 to minimize debt
JOBR SND	Worked while enrolled in 2007-08 to meet parents' expectations
JOBR SNE	Worked while enrolled in 2007-08 to pay educational expenses
JOBR SNF	Worked while enrolled in 2007-08 to pay living expenses
JOBR SNG	Worked while enrolled in 2007-08 to send money home
JOBSAVE	Savings from summer 2007 earnings
JOBSUMMR	Worked during summer 2007
JOBTYPE	Type of job (excluding work-study) in 2007-08
JOBTYPE2	Type of job (including work-study) in 2007-08
JOBWEEK	Weeks worked while enrolled in 2007-08
LEVEL	Bachelor's degree institution level, 2007-08
LNCOSIGN	Had cosigner on any loans in 2007-08
LNREPAY	Expected help to repay loans as of 2007-08
LNSTATUS	Status of latest undergraduate federal loan as of 2008-09
LOANCST	Ratio of loans to student budget (excludes PLUS) in 2007-08
LOANCST2	Ratio of loans to student budget (includes PLUS) in 2007-08
LOANPCT	Ratio of loans to total aid (excludes PLUS) in 2007-08
LOANPCT2	Ratio of loans to total aid (includes PLUS) in 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
LOANSRC	Loan package by source of loan in 2007-08
LOCATE	Degree of urbanization of 2007-08 institution
LOCALEST	Degree of urbanization of 2007-08 residence
LOCALRES	Residence while enrolled in 2007-08
MAJORS23	Bachelor's degree major (detailed), 2007-08
MAJORS4Y	Field of study: Undergraduate (10 categories)
MEMPHIST	Months between bachelor's degree attainment and 2009 interview
MERITAID	Total merit-only grants in 2007-08
MILTYPE	Military status in 2007-08
MNTRENT	Monthly mortgage or rent amount in 2007-08
NEEDAID	Total need-based grants in 2007-08
NEEDAID1	Total need-based aid in 2007-08
NEJBNEW	Job plans for 2008-09
NETCST1	Student budget minus all aid in 2007-08
NETCST10	Tuition and fees minus federal grants in 2007-08
NETCST12	Tuition and fees minus state grants in 2007-08
NETCST13	Tuition and fees minus institutional grants in 2007-08
NETCST14	Tuition and fees minus all nonfederal grants in 2007-08
NETCST15	Tuition and fees minus state and institutional grants in 2007-08
NETCST16	Student budget minus federal and state grants in 2007-08
NETCST17	Student budget minus all grants and loans in 2007-08
NETCST18	Student budget minus all aid (excluding work study) in 2007-08
NETCST2	Student budget minus federal grants in 2007-08
NETCST20	Student budget minus all grants and loans (including PLUS) in 2007-08
NETCST3	Student budget minus all grants in 2007-08
NETCST30	Student budget minus federal grants and veteran benefits in 2007-08
NETCST31	Student budget minus federal grants, veterans, tax benefits in 2007-08
NETCST32	Student budget minus all grants and veteran benefits in 2007-08
NETCST33	Student budget minus all grants, veteran, and tax benefits in 2007-08
NETCST34	Student budget minus all aid and federal tax benefits in 2007-08
NETCST35	Tuition and fees minus all grants and veteran benefits in 2007-08
NETCST36	Tuition and fees minus grants and veterans and tax benefits in 2007-08
NETCST37	Tuition and fees minus federal grants and veteran benefits in 2007-08
NETCST38	Tuition and fees minus federal grants/veterans/tax benefits in 2007-08
NETCST4	Student budget minus grants and half of loans in 2007-08
NETCST40	Student budget minus state and institutional grants in 2007-08
NETCST41	Student budget minus all aid except private loans in 2003-04
NETCST9	Tuition and fees minus all grants in 2007-08
NEWKPLN	Work plans for 2008-09
NGGRDAPP	Applied to graduate school in 2007-08
NGGRDPLN	Plan to apply to graduate school in future as of 2007-08
NGGRE	Took graduate admissions exams in 2007-08
NGGRPSA	Postponed graduate applications for academic reasons in 2007-08
NGGRPSB	Postponed graduate applications for financial reasons in 2007-08
NGGRPSC	Postponed graduate applications for employment reasons in 2007-08
NGGRPSD	Postponed graduate applications for other reasons in 2007-08
NGNOGDA	Did not apply to graduate school for academic reasons in 2007-08
NGNOGDB	Did not apply to graduate school for employment reasons in 2007-08
NGNOGDC	Did not apply to graduate school for financial reasons in 2007-08
NGNOGDD	Did not apply to graduate school for other reasons in 2007-08
NSGST07	SMART grant status in 2006-07
NSGST08	SMART grant status in 2007-08
NTCONSID	Considering career in K-12 teaching in 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
NTEVRTCH	Ever been employed as K-12 teacher as of 2007-08
NTPOSAID	Had been K-12 teacher's aide as of 2007-08
NTPOSITI	Had been itinerant K-12 teacher as of 2007-08
NTPOSLSU	Had been long-term K-12 substitute teacher as of 2007-08
NTPOSREG	Had been regular K-12 teacher as of 2007-08
NTPOSSPP	Had been K-12 support teacher as of 2007-08
NTPOSSSU	Had been short-term K-12 substitute teacher as of 2007-08
NTPOSSTU	Had been K-12 student teacher as of 2007-08
NTPREP1	Applied to K-12 teacher education program as of 2007-08
NTPREP2	Had taken Praxis teaching exam as of 2007-08
NTPREP3	Entered K-12 teacher education program as of 2007-08
NTPREP4	Had taken/was taking K-12 teacher certification course as of 2007-08
NTPREP5	Had taken exam for teaching certificate/license as of 2007-08
NTPREP6	Completed K-12 student teaching assignment as of 2007-08
NTPREP7	Had applied to non-traditional K-12 teacher program as of 2007-08
NUMINST	Number of institutions attended before 2007-08 bachelor's degree
NUOTLNG	Number of languages studied as of 2007-08
NUSABEVR	Ever study abroad as of 2007-08
NUTRNACC	Transfer credits accepted by 2007-08 bachelor's degree institution
NUTRNCRD	Ever tried to transfer credits to 2007-08 institution
OBEREG	Bachelor's degree institution region, 2007-08
OCRHSI	Received 2007-08 bachelor's degree from Hispanic Serving Institution
ORPHAN	Orphan or ward of court in 2007-08
OTHFDGRT	Other federal grants (not Title IV) in 2007-08
OTHGTAMT	Outside grants (private and employer) in 2007-08
OTHRSCR	Total aid from outside sources in 2007-08
OTHTYPE	Other type of aid (PLUS, job training, assistantships, VA) in 2007-08
OTHTYPE2	Total other types of aid (including work-study) in 2007-08
OWNINVPA	Parents own investments, business or farm over \$10,000 in 2007-08
OWNINVST	Owned business, farm, or investments over \$10,000 in 2007-08
PARBORN	Parents born in the U.S.
PARCOLL	Parents taking college courses in 2007-08
PAREduc	Highest education level attained by either parent as of 2007-08
PCTALL	Income percentile (dependents' parents and independents) in 2006
PCTDEP	Income percentile (dependents' parents) in 2006
PCTINDEP	Income percentile (independents) in 2006
PCTMIN1	Percent Black, non Hispanic enrolled in fall 2005
PCTMIN2	Percent American Indian or Alaska Native enrolled in fall 2005
PCTMIN3	Percent Asian or Pacific Islander enrolled in fall 2005
PCTMIN4	Percent Hispanic enrolled in fall 2005
PCTPOV	Income percent of poverty level in 2006
PDADED	Father's highest education level as of 2007-08
PELLAMT	Federal Pell grant in 2007-08
PELLCST	Ratio of Pell grant to student budget in 2007-08
PELLCUM	Cumulative Pell grant amount as of 2007-08
PELLFST	First year received Pell grant as of 2007-08
PELLLST	Last year received Pell grant as of 2007-08
PELLPACK	Aid package with Pell grants in 2007-08
PELLRAT1	Ratio of Pell grant to total aid in 2007-08
PELLRAT2	Ratio of Pell grant to total grants in 2007-08
PELYRS	Number of years received Pell grants as of 2007-08
PERKAMT	Perkins loans in 2007-08
PERKCUM1	Cumulative Perkins loans borrowed for undergraduate through 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
PFAMNUM	Family size (dependents) in 2007-08
PFEDBEN	Federal benefits received (dependents' parents) in 2007-08
PFEDTAX	Federal tax paid (dependents' parents) in 2006
PINCOL	Family members in college (dependents) in 2007-08
PLUSAMT	Total Parent PLUS loan amount borrowed in 2007-08
PLUSCUM	Cumulative Parent PLUS loans borrowed through 2007-08
PLUSPCT	Ratio of Parent PLUS loans to total aid in 2007-08
PMARITAL	Parents' marital status in 2007-08
PMOMED	Mother's highest education level as of 2007-08
PRIMLANG	English as primary language growing up
PRIVAAD	Grants from private source in 2007-08
PRIVAMT	Total private sources grants and loans in 2007-08
PRIVCST	Ratio of private loans to student budget in 2007-08
PRIVLOAN	Total private loans in 2007-08
PRIVLRAT	Ratio of private loans to total loans in 2007-08
PRIVPACK	Package of private and non-private loans in 2007-08
PRIVPCT	Ratio of private loans to total aid in 2007-08
PSE_BA	Months between initial enrollment in postsecondary education and 2007-08 bachelor's degree award date
PTAXFILE	Federal tax return filed (dependents' parents) in 2006
QBBIOSCRD	Transcript: Biology credit received for AP exam
QBCHMCRD	Transcript: Chemistry credit received for AP exam
QBCSCCRD	Transcript: Computer science credit received for AP exam
QBHSMY	Transcript: High school graduation date (year and month)
QBMTHCRD	Transcript: College-level math credits received for AP exams
QBNMCPCR	Transcript: College Level Examination Program course credit
QBNMIBCR	Transcript: International Baccalaureate course credit
QBNMMLCR	Transcript: Military training/experience course credit
QBNMNCCR	Transcript: Other non-course based credit
QBNMWKCR	Transcript: Work experience course credit
QBOTEXCR	Transcript: Credit by other examination
QBPHYCRD	Transcript: Physics credit received for AP exam
QBTLAPCR	Transcript: Total credits received for AP exam(s)
QBTLNCCR	Transcript: Total non-course credits
QDFA2BCH	Transcript: Elapsed time from NPSAS institution entry to NPSAS bachelor's degree
QDLEUGMY	Transcript: Last date enrolled as an undergraduate
QDLEYEAR	Transcript: Last year of enrollment
QE12345N	Transcript: Number of credits earned, years 1-5
QE1234EN	Transcript: Number of credits earned, years 1-4
QE123ERN	Transcript: Number of credits earned, years 1-3
QE12ERN	Transcript: Number of credits earned, years 1-2
QE1STERN	Transcript: Total number of credits earned in year 1
QE1STM	Transcript: STEM, number of credits earned, year 1
QE2NDERN	Transcript: Total number of credits earned in year 2
QE2NDSTM	Transcript: STEM, number of credits earned, year 2
QE3RDERN	Transcript: Total number of credits earned in year 3
QE3RDSTM	Transcript: STEM, number of credits earned, year 3
QE4THERN	Transcript: Total number of credits earned in year 4
QE4THSTM	Transcript: STEM, number of credits earned, year 4
QE5THERN	Transcript: Total number of credits earned in year 5
QE5THSTM	Transcript: STEM, number of credits earned, year 5
QE6THERN	Transcript: Total number of credits earned in year 6
QE6THSTM	Transcript: STEM, number of credits earned, year 6
QEALBATT	Transcript: Advanced laboratory science: credits attempted

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
QEALBERN	Transcript: Advanced laboratory science: credits earned
QEALBGPA	Transcript: Advanced laboratory science: GPA
QEALBNUM	Transcript: Advanced laboratory science: number of courses taken
QEAVGERN	Transcript: Per-year average: credits earned
QEAWCERN	Transcript: Advanced western culture and society: credits earned
QEBCOATT	Transcript: Life sciences: credits attempted
QEBCOERN	Transcript: Life sciences: credits earned
QEBCOGPA	Transcript: Life sciences: GPA
QEBCIONUM	Transcript: Life sciences: number taken
QEBCUSERN	Transcript: Business: credits earned
QEBCUSGPA	Transcript: Business: GPA
QEBCWCERN	Transcript: Basic western culture and society: credits earned
QECHLERN	Transcript: Child, family, and youth studies: credits earned
QECLCERN	Transcript: Calculus/advanced math: credits earned
QECLCGPA	Transcript: Calculus/advanced math: GPA
QECDRDRPT	Transcript: Credits repeated
QECDRDWDR	Transcript: Credits withdrawn
QECDRSWDR	Transcript: Number of courses with withdrawals
QECCSATT	Transcript: Computer science: credits attempted
QECCSCERN	Transcript: Computer science: credits earned
QECCSCGPA	Transcript: Computer science: GPA
QECCSCNUM	Transcript: Computer science: number of courses taken
QECCNERN	Transcript: Economics: credits earned
QECDUATT	Transcript: Education excluding student teaching: credits attempted
QECDUERN	Transcript: Education excluding student teaching: credits earned
QEEDUGPA	Transcript: Education excluding student teaching: GPA
QEEDUNUM	Transcript: Education excluding student teaching: number of courses taken
QEEGNATT	Transcript: Engineering: credits attempted
QEEGNERN	Transcript: Engineering: credits earned
QEEGNGPA	Transcript: Engineering: GPA
QEEGNNUM	Transcript: Engineering: number of courses taken
QEEGTERN	Transcript: Engineering technologies: credits earned
QEEGTGPA	Transcript: Engineering technologies: GPA
QEENGR	Transcript: Remedial English: number of courses taken
QEENVERN	Transcript: Environment and natural resources: credits earned
QEESL	Transcript: English as a second language: number of courses taken
QEETHERN	Transcript: Ethics: credits earned
QEFAERERN	Transcript: Fine arts, incl graphic arts & design: credits earned
QEFARGPA	Transcript: Fine arts, incl graphic arts & design: GPA
QEFLERN	Transcript: Foreign language: credits earned
QEHIERN	Transcript: History: credits earned
QEHLTERN	Transcript: Allied health: credits earned
QEHLTGPA	Transcript: Allied health: GPA
QEHMERN	Transcript: Humanities: credits earned
QEHMUGPA	Transcript: Humanities: GPA
QEITLERN	Transcript: Int'l studies excl arts/humanities/history: credits earned
QEЛАBATT	Transcript: Introductory laboratory science: credits attempted
QEЛАBERN	Transcript: Introductory laboratory science: credits earned
QEЛАBGPA	Transcript: Introductory laboratory science: GPA
QEЛАBNUM	Transcript: Introductory laboratory science: number of courses taken
QEМАTATT	Transcript: College-level mathematics: credits attempted
QEМАTERN	Transcript: College-level mathematics: credits earned
QEМАTГPA	Transcript: College-level mathematics: GPA

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
QEMATHR	Transcript: Remedial mathematics: number of courses taken
QEMATNUM	Transcript: College-level mathematics: number of courses taken
QEMCCFAC	Transcript: Missing course code for any awarded credits
QEMDAERN	Transcript: Media studies: credits earned
QEMINERN	Transcript: Minority/ethnic/women's/cultural studies: credits earned
QENRSERN	Transcript: Nursing: credits earned
QENRSGPA	Transcript: Nursing: GPA
QENSEATT	Transcript: Non-science & engineering: credits attempted
QENSEERN	Transcript: Non-science & engineering: credits earned
QENSEGPA	Transcript: Non-science & engineering: GPA
QENSENUM	Transcript: Non-science & engineering: number of courses taken
QENSTATT	Transcript: Non-STEM: credits attempted
QENSTERN	Transcript: Non-STEM: credits earned
QENSTGPA	Transcript: Non-STEM: GPA
QENSTNUM	Transcript: Non-STEM: number of courses taken
QENWCERN	Transcript: Non-western culture and society: credits earned
QEOTHERR	Transcript: Remedial, not English/reading/math: number of courses taken
QEPASENR	Transcript: Remedial English: number of courses passed
QEPASESL	Transcript: English as a second language: number of courses passed
QEPASMAR	Transcript: Remedial mathematics: number of courses passed
QEPASOTR	Transcript: Remedial, not English/reading/math: number of courses passed
QEPASR	Transcript: Remedial courses: number passed
QEPASRER	Transcript: Remedial reading: number of courses passed
QEPMAERN	Transcript: Below college-level mathematics: credits earned
QEPMAGPA	Transcript: Pre-college level mathematics: GPA
QEPSCATT	Transcript: Physical science: credits attempted
QEPSCERN	Transcript: Physical science: credits earned
QEPSCGPA	Transcript: Physical science: GPA
QEPSCNUM	Transcript: Physical science: number taken
QEPSEATT	Transcript: College career: credits attempted
QEPSEERN	Transcript: NPSAS institution: credits earned
QEPSERAT	Transcript: NPSAS institution: ratio of credits earned to attempted
QEPSYERN	Transcript: Psychology: credits earned
QEREADR	Transcript: Remedial reading: number of courses taken
QERELERN	Transcript: Religious studies and theology: credits earned
QERPTENR	Transcript: Remedial English: number of courses repeated
QERPTESL	Transcript: English as a second language: number of courses repeated
QERPTMAR	Transcript: Remedial mathematics: number of courses repeated
QERPTOTR	Transcript: Remedial, not English/reading/math: number of courses repeated
QERPTR	Transcript: Remedial courses: number repeated
QERPTRAT	Transcript: Ratio of courses repeated to courses attempted
QERPTRER	Transcript: Remedial reading: number of courses repeated
QESCIATT	Transcript: Science: credits attempted
QESCIERN	Transcript: Science: credits earned
QESCIGPA	Transcript: Science: GPA
QESCNUM	Transcript: Science: number of courses taken
QESERATT	Transcript: Science & engineering: credits attempted
QESERERN	Transcript: Science & engineering: credits earned
QESERGPA	Transcript: Science & engineering: GPA
QESERNUM	Transcript: Science & engineering: number of courses taken
QESPTERN	Transcript: Sports/PE/recreation: credits earned
QEJSSCERN	Transcript: Social sciences: credits earned
QEJSSCGPA	Transcript: Social sciences: GPA

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
QESTAERN	Transcript: Statistics courses in all departments: credits earned
QESTMATT	Transcript: STEM: credits attempted
QESTMERN	Transcript: STEM: credits earned
QESTMGPA	Transcript: STEM: GPA
QESTMNUM	Transcript: STEM: number of courses taken
QESTTERN	Transcript: Student teaching: credits earned
QESTTGPA	Transcript: Student teaching: GPA
QESUMATT	Transcript: Summer terms: credits attempted
QESUMERN	Transcript: Summer terms: credits earned
QESUMRAT	Transcript: Summer terms: ratio of credits earned to total
QETCSRPT	Transcript: Number of repeated courses
QETOTR	Transcript: Remedial courses: # taken
QETRNACC	Transcript: Transfer credits accepted by NPSAS institution
QEWDRRAT	Transcript: Ratio of courses withdrawn to courses attempted
QEWRTERN	Transcript: Writing beyond English composition: credits earned
QEWRTGPA	Transcript: Writing beyond English composition: GPA
QEYR1GPA	Transcript GPA in year 1 of attendance
QEYR2GPA	Transcript GPA in year 2 of attendance
QEYR3GPA	Transcript GPA in year 3 of attendance
QEYR4GPA	Transcript GPA in year 4 of attendance
QEYR5GPA	Transcript GPA in year 5 of attendance
QEYR6GPA	Transcript GPA in year 6 of attendance
QF11FBAC	Transcript: NPSAS Bachelor's degree field of study: 11 categories
QF23FBAC	Transcript: NPSAS Bachelor's field of study: 23 categories
QFCGFBA	Transcript: NPSAS Bachelor's degree field of study: 2-digit CIP
QCFSFBA	Transcript: NPSAS Bachelor's degree field of study: 4-digit CIP
QFHGDGHON	Transcript: NPSAS Bachelor's degree was with honors
QFMJSTEM	Transcript: STEM major field of study indicator
QMNSTEM	Transcript: STEM minor field of study indicator
QFNPBAMY	Transcript: Date bachelor's degree received at NPSAS institution
RAASIAN	Race: Asian
RABBLACK	Race: Black or African American
RACE	Race/ethnicity (with multiple)
RACE2	Race/ethnicity (with multiple) without foreign students
RACECEN	Race/ethnicity Census categories
RACESEX	Race/ethnicity (with multiple) and sex
RAINDIAN	Race: American Indian or Alaska Native
RAINNDTRB	Race: American Indian or Alaska Native recognized tribe
RAISLAND	Race: Native Hawaiian or other Pacific Islander
RAOTHER	Race: Other
RAWHITE	Race: White
REANOAPA	Reason for not applying for 2007-08 aid: Did not want to take on debt
REANOAPB	Reason for not applying for 2007-08 aid: Forms were too much work
REANOAPC	Reason for not applying for 2007-08 aid: No info about how to apply
REANOAPD	Reason for not applying for 2007-08 aid: No need
REANOAPE	Reason for not applying for 2007-08 aid: Thought ineligible
RISKINDX	Index of risk and nontraditional students in 2007-08
SAMEINST	Bachelor's degree institution same as first postsecondary institution, 2007-08
SAMESTAT	Attend institution in state of legal residence in 2007-08
SCHWKHR	Hours spent on school work per week in 2007-08
SECTOR1	Institution sector in 2007-08
SECTOR4	Institution sector (4 with multiple) in 2007-08
SECTOR9	NPSAS institution type, 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
SELECTV2	Selectivity of 2007-08 bachelor's degree institution
SEOGAMT	Federal Supplemental Educational Opportunity Grant (SEOG) in 2007-08
SFAMNUM	Family size (independents) in 2007-08
SFEDBEN	Federal benefits received (independents) in 2007-08
SFEDTAX	Federal tax paid (independents) in 2006
SIBINCOL	Number of siblings in college (dependents) in 2007-08
SINCOL	Family members in college (independents) in 2007-08
SINGLPAR	Single parents (independents) in 2007-08
SJASST	Had assistantship in 2007-08
SJCOMSER	Work-study was a community service project in 2007-08
SJEARN	Work-study earnings in 2007-08
SJHOURS	Work-study hours per week in 2007-08
SJMAJOR	Work-study related to major or coursework in 2007-08
SJONOFF	Work-study location in 2007-08
SJSCHOOL	Work-study employer type in 2007-08
SJTUTOR	Work-study was literacy education or tutoring in 2007-08
SJWEEK	Work-study weeks worked while enrolled in 2007-08
SJWKST	Had work-study job in 2007-08
SMARITAL	Marital status in 2007-08
SMARTAMT	SMART grant amount in 2007-08
SMARTCST	Ratio of Pell and SMART grants to student budget in 2007-08
SMTRAT1	Ratio of Pell and SMART grants to total aid in 2007-08
SMTRAT2	Ratio of Pell and SMART grants to total grants in 2007-08
SNEED1	Student budget minus EFC in 2007-08
SNEED2	Student budget minus EFC and total aid in 2007-08
SNEED3	Student budget minus EFC and federal grants in 2007-08
SNEED4	Student budget minus EFC, grants and federal need-based aid in 2007-08
SNEED5	Student budget minus EFC and all grants in 2007-08
SNEED7	Student budget minus EFC, federal, and state grants in 2007-08
SNEED8	Student budget minus EFC and federal/state/other grants in 2007-08
SNEED9	Student budget minus EFC and all aid except private loans in 2007-08
SPINCOL	Spouse attended college or graduate school in 2007-08
SPSINC	Income (independents' spouses) in 2006
STAFCT1	Whether borrowed Stafford subsidized maximum in 2007-08
STAFCT2	Whether borrowed Stafford total maximum in 2007-08
STAFFAMT	Stafford total subsidized and unsubsidized in 2007-08
STAFFRAT	Ratio of Stafford loans to total loans in 2007-08
STAFFST	Year of first Stafford loan as of 2007-08
STAFLST	Year of last Stafford loan as of 2007-08
STAFSUB	Stafford subsidized total in 2007-08
STAUTYPE	Stafford loan types received in 2007-08
STAFUNSB	Stafford unsubsidized total in 2007-08
STAFYRS	Number of years received Stafford loans as of 2007-08
STAPCT	Ratio of state aid to total aid in 2007-08
STATEAMT	State aid total in 2007-08
STATNEED	State need-based grants in 2007-08
STATNOND	State non-need and merit grants in 2007-08
STAXFILE	Independent student federal tax filed in 2006
STEMOC09	STEM occupation in 2009
STFCUM1	Cumulative Stafford loans borrowed for undergraduate through 2007-08
STGRPCT	Ratio of state grants to total aid in 2007-08
STGTAMT	State grants in 2007-08
STLNAMT	State loans in 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
STMERIT	State merit-only grants in 2007-08
STNOND1	State non-need grants in 2007-08
STSBCUM1	Cumulative subsidized Stafford loans borrowed through 2007-08
STSUBMX	Stafford program subsidized maximum in 2007-08
STTOTMX	Stafford program total maximum in 2007-08
STUDMULT	Number of institutions attended in 2007-08
STUSTATE	State of legal residence in 2007-08
STWKAMT	State work-study aid in 2007-08
SUBCUM1	Cumulative subsidized Stafford/Perkins loans borrowed through 2007-08
SUBLA0N	Federal subsidized loans (Stafford and Perkins) in 2007-08
T4LNAMT1	Title IV loans (excluding Parent PLUS) in 2007-08
T4LNAMT2	Title IV loans (including Parent PLUS) in 2007-08
TEACTDER	ACT composite score
TESATDER	SAT I score
TESATMDE	SAT I math score
TESATVDE	SAT I verbal score
TETOOK	Took SAT or ACT exams
TFEDAID	Total federal aid (excluding veterans/DOD) in 2007-08
TFEDAID2	Total federal aid (including veterans/DOD) in 2007-08
TFEDAID6	Total federal aid (excluding Parent PLUS and veterans/DOD) in 2007-08
TFEDGRT	Total federal grants in 2007-08
TFEDGRT2	Total federal grants and veterans/DOD in 2007-08
TFEDGRT3	Total federal grants, veteran, and tax benefits in 2007-08
TFEDLN	Total federal loans (excluding Parent PLUS) in 2007-08
TFEDLN2	Total federal loans (includes Parent PLUS) in 2007-08
TFEDWRK	Federal work-study in 2007-08
TGRTLN	Total loans and grants in 2007-08
TITIVAMT	Total federal Title IV aid in 2007-08
TNFEDAID	Total nonfederal aid in 2007-08
TNFEDGRT	Total nonfederal grants in 2007-08
TNFEDLN	Total nonfederal loans in 2007-08
TOTAILD	Total aid in 2007-08
TOTAILD2	Total federal (Title IV), state, and institutional aid in 2007-08
TOTAILD4	Total aid (excluding PLUS) in 2007-08
TOTAILD5	Total aid (excluding work-study) in 2007-08
TOTAILD6	Total aid (excluding Parent PLUS and veterans/DOD) in 2007-08
TOTAILD7	Total aid (excluding veterans/DOD) in 2007-08
TOTAILD8	Total aid (excluding private loans) in 2007-08
TOTGRT	Total grants in 2007-08
TOTGRT2	Total grants and veterans/DOD in 2007-08
TOTGRT3	Total grants, veterans, and federal education tax benefits in 2007-08
TOTGRT4	Total state and institutional grants in 2007-08
TOTLA0N	Total loans (excluding PLUS) in 2007-08
TOTLA0N2	Total loans (including PLUS) in 2007-08
TOTLA0N3	Total loans (excluding private loans) in 2007-08
TOTNOND3	Institutional and state non-need grants in 2007-08
TOTWKST	Total work-study in 2007-08
TRIO	Eligibility for TRIO Programs in 2007-08
TUITION2	Tuition and fees paid in 2007-08
TXELIGD	Tax benefit eligibility (Hope, Lifetime, deduction) in 2007-08
TXELIGR	Reasons tax benefit not received in 2007-08
TXTOTBEN	Tax benefit amount in 2007-08
UNSLA0N	Total unsubsidized loans (all sources) in 2007-08

See notes at end of table.

Table H-1. Analysis variables: 2012—Continued

Variable name	Label
UNTAXBF	Received any untaxed benefits in 2007-08
UNTAXBFA	Received child support (untaxed benefit) in 2007-08
UNTAXBFB	Received disability payments (untaxed benefit) in 2007-08
UNTAXBFC	Received worker's compensation (untaxed benefit) in 2007-08
USBORN	Born in the U.S.
VADODAMT	Total veterans benefits and military grants in 2007-08
VETBEN	Total veterans benefits in 2007-08
VETERAN	Veteran status in 2007-08
VOCHHELP	Vocational rehabilitation and training in 2007-08
VOTEEVER	Ever voted as of 2007-08
VOTEREG	Registered to vote as of 2007-08
WORKPCT	Ratio of work-study to total aid in 2007-08

NOTE: AP = Advanced Placement. AYP = Adequate Yearly Progress. CIP = Classification of Instructional Programs. DOD = Department of Defense. EFC = Expected Family Contribution. ESL = English as a second language. FWSP = Federal Work Study Program. GPA = Grade point average. HBCU = Historically Black Colleges and Universities. HHE = high Hispanic enrollment. NPSAS = National Postsecondary Student Aid Study. PE = Physical education. PLUS = Parent Loan for Undergraduate Students. SEOG = Supplemental Educational Opportunity Grant. SMART = Science and Mathematics Access to Retain Talent. STEM = science, technology, engineering, and mathematics. TANF = Temporary Cash Assistance for Needy Families. TEACH = Teacher Education Assistance for College and Higher Education. TOEFL = Test of English as a Foreign Language. VA = Veterans Affairs. WIC = Women, Infants, and Children.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Appendix I

Design Effects

Table I-1. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for all students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	16.10	0.31	0.30	14,560	1.01	1.03
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	21.24	0.52	0.34	14,420	1.51	2.29
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.83	0.01	0.01	14,560	1.50	2.24
Time to 2007–08 bachelor's degree	PSE_BA (mean)	79.82	1.00	0.57	14,560	1.74	3.03
Cumulative total amount borrowed through 2012	B2BORAT (mean)	33,123.31	546.96	391.60	14,560	1.40	1.95
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	29,941.11	600.46	407.27	14,560	1.47	2.17
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	23,686.83	459.60	306.94	14,560	1.50	2.24
Ratio of federal loans to annualized salary in 2012	B2DEBTRT (mean)	43.98	0.50	0.35	14,560	1.42	2.01
Ever received Pell grant	PELLYRS > 0	37.66	0.58	0.40	14,560	1.44	2.08
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	45.33	0.62	0.41	14,560	1.51	2.27
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	21.83	0.73	0.48	7,260	1.51	2.28
Highest post-baccalaureate enrollment as of 2012: degree type—Master's	B2HIENR = 5	62.40	0.89	0.57	7,260	1.56	2.42
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.52	0.19	0.13	14,560	1.46	2.14
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	36.05	0.61	0.40	14,560	1.54	2.36
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	57.68	0.57	0.41	14,560	1.40	1.97
Hours worked per week in primary job in 2012	B2CJHRS (mean)	39.89	0.15	0.10	13,460	1.55	2.41
Satisfaction with benefits for primary job in 2012—Satisfied	B2DBEN = 4	30.52	0.61	0.40	13,460	1.53	2.33
Employer offered any benefits for primary job in 2012—Yes	B2DBENANY = 1	84.34	0.51	0.32	12,960	1.59	2.52
Percent of time employed from bachelor's degree award date to 2012	B2PCEMP (mean)	78.10	0.39	0.24	14,560	1.61	2.59
Part of a career in industry: primary job in 2012—Start of career	B2DCURL = 1	76.25	0.54	0.37	13,460	1.47	2.16
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	26.42	0.56	0.37	14,560	1.54	2.36
Age at 2007–08 bachelor's degree award date	AGEATBA (mean)	25.37	0.10	0.06	14,560	1.79	3.21
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	54.20	0.71	0.41	14,560	1.72	2.95
Served in the military as of 2012—Yes	B2FMLSERV = 1	4.81	0.27	0.18	14,560	1.54	2.38
Number of dependent children in 2012—Yes, had dependent children	B2FDEP2 = 1	12.88	0.45	0.28	14,560	1.62	2.61

See notes at end of table.

Table I-1. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for all students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.52	2.32
Minimum	†	†	†	†	†	1.01	1.03
25th percentile	†	†	†	†	†	1.47	2.16
Median	†	†	†	†	†	1.51	2.29
75th percentile	†	†	†	†	†	1.56	2.42
Maximum	†	†	†	†	†	1.79	3.21

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-2. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for students at base-year public institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	17.39	0.47	0.41	8,450	1.14	1.31
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	22.11	0.64	0.45	8,380	1.42	2.02
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.82	0.01	0.01	8,450	1.33	1.76
Time to 2007–08 bachelor's degree	PSE_BA (mean)	75.18	0.99	0.65	8,450	1.53	2.34
Cumulative total amount borrowed through 2012	B2BORAT (mean)	28,574.05	691.47	477.99	8,450	1.45	2.09
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	26,006.30	720.54	498.89	8,450	1.44	2.09
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	21,976.76	588.67	394.74	8,450	1.49	2.22
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	40.80	0.64	0.46	8,450	1.40	1.96
Ever received Pell Grant	PELLYRS > 0	38.26	0.75	0.53	8,450	1.43	2.04
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	43.16	0.80	0.54	8,450	1.48	2.19
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	21.30	1.01	0.63	4,200	1.60	2.57
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	61.87	1.06	0.75	4,200	1.41	1.98
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.38	0.23	0.17	8,450	1.38	1.89
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	35.86	0.78	0.52	8,450	1.49	2.22
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	59.03	0.74	0.53	8,450	1.39	1.92
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.85	0.22	0.13	7,860	1.67	2.79
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.59	0.76	0.52	7,860	1.47	2.15
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.17	0.70	0.42	7,570	1.66	2.77
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	78.20	0.49	0.32	8,450	1.53	2.34
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	75.69	0.70	0.48	7,860	1.45	2.11
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	27.76	0.70	0.49	8,450	1.43	2.05
Age at bachelor's degree receipt	AGEATBA (mean)	24.82	0.10	0.06	8,450	1.57	2.45
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	54.01	0.81	0.54	8,450	1.50	2.25
Served in the military—Yes	B2FMILSERV = 1	4.00	0.32	0.21	8,450	1.49	2.22
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	12.66	0.55	0.36	8,450	1.51	2.27

See notes at end of table.

Table I-2. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for students at base-year public institutions: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.47	2.16
Minimum	†	†	†	†	†	1.14	1.31
25th percentile	†	†	†	†	†	1.42	2.02
Median	†	†	†	†	†	1.47	2.15
75th percentile	†	†	†	†	†	1.51	2.27
Maximum	†	†	†	†	†	1.67	2.79

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-3. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for students at base-year private nonprofit institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	13.53	0.61	0.47	5,390	1.32	1.73
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	16.85	0.94	0.51	5,340	1.83	3.34
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.80	0.02	0.01	5,390	1.91	3.66
Time to 2007–08 bachelor's degree	PSE_BA (mean)	78.35	1.87	1.00	5,390	1.87	3.49
Cumulative total amount borrowed through 2012	B2BORAT (mean)	39,723.40	1,081.17	719.09	5,390	1.50	2.26
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	35,126.40	1,141.51	738.87	5,390	1.54	2.39
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	25,769.70	781.30	534.77	5,390	1.46	2.13
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	47.65	0.99	0.57	5,390	1.75	3.07
Ever received Pell Grant	PELLYRS > 0	34.26	1.09	0.65	5,390	1.69	2.85
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	47.97	1.08	0.68	5,390	1.58	2.51
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	22.35	1.19	0.78	2,830	1.52	2.30
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	63.39	1.53	0.91	2,830	1.69	2.86
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	3.01	0.37	0.23	5,390	1.60	2.57
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	34.66	0.95	0.65	5,390	1.47	2.17
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	55.67	1.04	0.68	5,390	1.53	2.35
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.95	0.27	0.17	4,970	1.58	2.51
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	31.23	1.06	0.66	4,970	1.61	2.60
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.21	0.87	0.53	4,790	1.64	2.70
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	77.75	0.59	0.39	5,390	1.51	2.27
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	77.75	0.90	0.59	4,970	1.52	2.32
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	25.35	0.93	0.59	5,390	1.57	2.48
Age at bachelor's degree receipt	AGEATBA (mean)	25.32	0.20	0.10	5,390	1.97	3.89
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	57.54	1.31	0.67	5,390	1.94	3.78
Served in the military—Yes	B2FMLSERV = 1	5.05	0.45	0.30	5,390	1.50	2.24
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	11.27	0.67	0.43	5,390	1.56	2.43

See notes at end of table.

Table I-3. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for students at base-year private nonprofit institutions: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.63	2.68
Minimum	†	†	†	†	†	1.32	1.73
25th percentile	†	†	†	†	†	1.52	2.30
Median	†	†	†	†	†	1.58	2.51
75th percentile	†	†	†	†	†	1.69	2.86
Maximum	†	†	†	†	†	1.97	3.89

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-4. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for students at base-year for-profit institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	16.58	2.41	1.39	720	1.73	3.00
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	40.11	3.03	1.85	710	1.64	2.69
Number of institutions attended before bachelor's completion	NUMINST (mean)	2.29	0.08	0.04	720	1.84	3.40
Time to 2007–08 bachelor's degree	PSE_BA (mean)	153.39	8.32	4.07	720	2.04	4.18
Cumulative total amount borrowed through 2012	B2BORAT (mean)	48,563.29	3,291.82	1,498.01	720	2.20	4.83
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	46,983.43	3,672.88	1,771.51	720	2.07	4.30
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	32,295.93	2,275.49	1,040.75	720	2.19	4.78
Ratio of federal loans to annual income in 2012	B2DEBTTRT (mean)	61.30	3.71	1.51	720	2.46	6.03
Ever received Pell Grant	PELLYRS > 0	53.41	3.11	1.86	720	1.67	2.78
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	56.35	3.58	1.85	720	1.93	3.72
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	27.50	5.28	2.93	230	1.80	3.25
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	62.98	6.87	3.17	230	2.17	4.69
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	1.00	0.44	0.37	720	1.20	1.43
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	48.34	2.84	1.87	720	1.52	2.32
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	53.47	2.79	1.86	720	1.50	2.24
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	40.05	0.45	0.31	630	1.44	2.08
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	24.27	3.22	1.71	630	1.89	3.56
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	87.78	2.34	1.34	600	1.75	3.08
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	79.19	2.25	1.21	720	1.86	3.46
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	72.98	2.62	1.77	630	1.48	2.20
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	15.68	2.88	1.36	720	2.12	4.49
Age at bachelor's degree receipt	AGEATBA (mean)	33.21	0.76	0.36	720	2.10	4.39
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	33.32	3.52	1.76	720	2.00	3.99
Served in the military—Yes	B2FMILSERV = 1	14.20	2.26	1.30	720	1.74	3.01
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	27.10	2.86	1.66	720	1.72	2.95

See notes at end of table.

Table I-4. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for students at base-year for-profit institutions: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.84	3.47
Minimum	†	†	†	†	†	1.20	1.43
25th percentile	†	†	†	†	†	1.67	2.78
Median	†	†	†	†	†	1.84	3.40
75th percentile	†	†	†	†	†	2.07	4.30
Maximum	†	†	†	†	†	2.46	6.03

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-5. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for White students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	15.53	0.42	0.35	10,460	1.18	1.38
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	20.07	0.59	0.39	10,400	1.51	2.28
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.81	0.01	0.01	10,460	1.35	1.82
Time to 2007–08 bachelor's degree	PSE_BA (mean)	76.82	1.13	0.66	10,460	1.71	2.92
Cumulative total amount borrowed through 2012	B2BORAT (mean)	31,399.70	660.92	443.87	10,460	1.49	2.22
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	27,682.44	695.31	454.18	10,460	1.53	2.34
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	22,510.09	523.58	357.68	10,460	1.46	2.14
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	42.31	0.55	0.40	10,460	1.36	1.86
Ever received Pell Grant	PELLYRS > 0	31.55	0.71	0.45	10,460	1.56	2.42
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	46.71	0.73	0.49	10,460	1.49	2.22
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	21.46	0.86	0.58	4,980	1.49	2.21
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	62.86	1.10	0.68	4,980	1.61	2.59
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.36	0.20	0.15	10,460	1.32	1.75
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	34.32	0.68	0.46	10,460	1.45	2.11
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	60.20	0.72	0.48	10,460	1.50	2.24
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.96	0.19	0.12	9,930	1.61	2.59
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	31.29	0.69	0.47	9,930	1.49	2.23
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.48	0.56	0.37	9,550	1.51	2.27
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	80.38	0.42	0.27	10,460	1.55	2.41
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	78.53	0.57	0.41	9,930	1.39	1.95
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	28.63	0.63	0.44	10,460	1.42	2.02
Age at bachelor's degree receipt	AGEATBA (mean)	25.00	0.11	0.06	10,460	1.75	3.06
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	53.30	0.87	0.49	10,460	1.78	3.16
Served in the military—Yes	B2FMLSERV = 1	4.40	0.30	0.20	10,460	1.51	2.29
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	12.66	0.49	0.33	10,460	1.52	2.31

See notes at end of table.

Table I-5. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for White students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.50	2.27
Minimum	†	†	†	†	†	1.18	1.38
25th percentile	†	†	†	†	†	1.45	2.11
Median	†	†	†	†	†	1.50	2.24
75th percentile	†	†	†	†	†	1.55	2.41
Maximum	†	†	†	†	†	1.78	3.16

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-6. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Black students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	15.32	1.47	0.98	1,340	1.50	2.24
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	24.42	1.95	1.19	1,310	1.64	2.69
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.98	0.05	0.03	1,340	1.89	3.58
Time to 2007–08 bachelor's degree	PSE_BA (mean)	108.54	4.40	2.52	1,340	1.75	3.05
Cumulative total amount borrowed through 2012	B2BORAT (mean)	48,026.67	2,035.25	1,379.98	1,340	1.47	2.18
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	50,317.27	2,223.90	1,545.59	1,340	1.44	2.07
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	36,370.75	1,472.54	1,042.83	1,340	1.41	1.99
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	61.36	1.79	1.16	1,340	1.54	2.39
Ever received Pell Grant	PELLYRS > 0	63.34	2.25	1.32	1,340	1.71	2.93
Repayment status for any loans in 2012 (federal and private)—Repaying loans	B2PAYSTAT = 2	46.12	2.03	1.36	1,340	1.49	2.23
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	29.83	2.71	1.65	770	1.64	2.68
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	69.99	2.62	1.66	770	1.58	2.51
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.78	0.63	0.45	1,340	1.40	1.96
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	43.17	2.40	1.35	1,340	1.77	3.13
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	46.49	2.21	1.36	1,340	1.62	2.63
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.09	0.49	0.31	1,140	1.60	2.57
Primary job: satisfaction: benefits—Satisfied	B2DBEN = 4	31.20	2.21	1.37	1,140	1.61	2.58
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.82	1.79	1.08	1,100	1.66	2.76
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	74.39	1.27	0.89	1,340	1.43	2.04
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	65.42	2.14	1.41	1,140	1.52	2.30
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	17.10	1.79	1.03	1,340	1.74	3.03
Age at bachelor's degree receipt	AGEATBA (mean)	28.87	0.43	0.26	1,340	1.68	2.82
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	50.14	2.05	1.37	1,340	1.50	2.26
Served in the military—Yes	B2FMLSERV = 1	7.01	1.24	0.70	1,340	1.78	3.17
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	17.65	1.64	1.04	1,340	1.57	2.47

See notes at end of table.

Table I-6. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Black students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†		†	†	†	1.60	2.57
Minimum	†		†	†	†	1.40	1.96
25th percentile	†		†	†	†	1.50	2.24
Median	†		†	†	†	1.60	2.57
75th percentile	†		†	†	†	1.68	2.82
Maximum	†		†	†	†	1.89	3.58

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-7. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Hispanic students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	12.49	1.32	0.91	1,310	1.45	2.10
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	25.72	2.11	1.22	1,290	1.74	3.02
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.87	0.04	0.03	1,310	1.53	2.35
Time to 2007–08 bachelor's degree	PSE_BA (mean)	85.97	2.59	1.73	1,310	1.50	2.24
Cumulative total amount borrowed through 2012	B2BORAT (mean)	33,419.11	2,079.70	1,375.76	1,310	1.51	2.29
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	31,089.92	2,176.55	1,426.31	1,310	1.53	2.33
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	23,463.08	1,650.42	1,004.11	1,310	1.64	2.70
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	45.71	1.97	1.19	1,310	1.66	2.76
Ever received Pell Grant	PELLYRS > 0	58.19	2.31	1.36	1,310	1.69	2.87
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	43.26	2.13	1.37	1,310	1.56	2.42
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	22.39	2.78	1.62	670	1.72	2.96
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	60.76	3.60	1.89	670	1.91	3.63
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.74	0.93	0.45	1,310	2.06	4.23
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	42.62	2.05	1.37	1,310	1.50	2.25
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	54.47	1.97	1.37	1,310	1.43	2.06
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.34	0.45	0.30	1,150	1.50	2.24
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	25.22	1.85	1.28	1,150	1.45	2.09
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	83.95	1.90	1.10	1,110	1.73	2.98
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	72.94	1.38	0.90	1,310	1.54	2.37
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	68.92	2.13	1.36	1,150	1.56	2.44
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	17.63	1.76	1.05	1,310	1.68	2.81
Age at bachelor's degree receipt	AGEATBA (mean)	25.93	0.29	0.18	1,310	1.60	2.56
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	52.29	2.12	1.38	1,310	1.54	2.37
Served in the military—Yes	B2FMLSERV = 1	5.37	1.06	0.62	1,310	1.70	2.89
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	13.80	1.37	0.95	1,310	1.44	2.09

See notes at end of table.

Table I-7. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Hispanic students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.61	2.60
Minimum	†	†	†	†	†	1.43	2.06
25th percentile	†	†	†	†	†	1.50	2.25
Median	†	†	†	†	†	1.56	2.42
75th percentile	†	†	†	†	†	1.69	2.87
Maximum	†	†	†	†	†	2.06	4.23

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-8. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Asian students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	31.04	2.52	1.51	940	1.67	2.80
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	20.41	2.41	1.33	910	1.80	3.25
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.75	0.04	0.03	940	1.65	2.71
Time to 2007–08 bachelor's degree	PSE_BA (mean)	62.78	2.38	1.29	940	1.85	3.42
Cumulative total amount borrowed through 2012	B2BORAT (mean)	31,726.40	2,452.03	1,754.18	940	1.40	1.95
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	25,317.10	2,447.85	1,782.27	940	1.37	1.89
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	21,211.34	1,822.55	1,371.40	940	1.33	1.77
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	35.32	1.92	1.39	940	1.38	1.92
Ever received Pell Grant	PELLYRS > 0	40.92	2.65	1.60	940	1.65	2.73
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	30.46	2.61	1.50	940	1.74	3.02
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	15.38	3.22	1.52	570	2.12	4.51
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	49.98	3.19	2.10	570	1.52	2.31
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	3.64	0.86	0.61	940	1.41	2.00
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	42.76	2.77	1.61	940	1.72	2.96
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	54.17	2.66	1.62	940	1.63	2.67
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	41.04	0.77	0.51	780	1.52	2.30
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.46	2.89	1.65	780	1.76	3.09
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	83.59	2.26	1.35	750	1.67	2.78
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	65.61	1.68	1.12	940	1.50	2.25
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	77.09	2.28	1.50	780	1.51	2.29
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	25.96	2.48	1.43	940	1.74	3.02
Age at bachelor's degree receipt	AGEATBA (mean)	23.62	0.29	0.15	940	2.00	3.99
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	75.00	2.35	1.41	940	1.66	2.77
Served in the military—Yes	B2FMLSERV = 1	2.61	0.83	0.52	940	1.59	2.53
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	5.59	1.10	0.75	940	1.47	2.16

See notes at end of table.

Table I-8. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Asian students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.63	2.68
Minimum	†	†	†	†	†	1.33	1.77
25th percentile	†	†	†	†	†	1.50	2.25
Median	†	†	†	†	†	1.65	2.71
75th percentile	†	†	†	†	†	1.74	3.02
Maximum	†	†	†	†	†	2.12	4.51

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-9. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Other students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	14.47	2.27	1.56	510	1.45	2.12
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	27.37	3.28	1.99	500	1.65	2.73
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.97	0.08	0.05	510	1.79	3.21
Time to 2007–08 bachelor's degree	PSE_BA (mean)	84.18	4.77	3.01	510	1.58	2.51
Cumulative total amount borrowed through 2012	B2BORAT (mean)	34,049.78	3,262.24	2,292.23	510	1.42	2.03
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	31,727.98	3,414.52	2,459.07	510	1.39	1.93
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	21,849.65	1,775.58	1,333.85	510	1.33	1.77
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	46.03	2.66	1.88	510	1.42	2.00
Ever received Pell Grant	PELLYRS > 0	41.99	3.51	2.19	510	1.61	2.58
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	45.13	3.07	2.20	510	1.39	1.95
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	17.58	3.59	2.29	280	1.57	2.45
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	59.15	4.65	2.96	280	1.57	2.47
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.64	0.86	0.71	510	1.21	1.46
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	25.97	3.13	1.94	510	1.61	2.60
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	46.99	3.10	2.21	510	1.40	1.97
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.84	0.80	0.57	460	1.40	1.97
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	26.14	3.04	2.05	460	1.49	2.21
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	82.19	3.22	1.81	450	1.78	3.16
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	74.36	1.87	1.44	510	1.30	1.69
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	69.76	3.33	2.14	460	1.55	2.41
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	27.28	3.30	1.97	510	1.67	2.80
Age at bachelor's degree receipt	AGEATBA (mean)	25.87	0.47	0.31	510	1.55	2.41
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	53.22	3.61	2.21	510	1.63	2.67
Served in the military—Yes	B2FMLSERV = 1	10.20	2.18	1.34	510	1.63	2.65
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	15.40	2.60	1.60	510	1.63	2.66

See notes at end of table.

Table I-9. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Other students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.52	2.34
Minimum	†	†	†	†	†	1.21	1.46
25th percentile	†	†	†	†	†	1.40	1.97
Median	†	†	†	†	†	1.55	2.41
75th percentile	†	†	†	†	†	1.63	2.65
Maximum	†	†	†	†	†	1.79	3.21

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-10. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Male students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	25.20	0.63	0.56	5,970	1.12	1.24
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	19.76	0.79	0.52	5,920	1.52	2.32
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.76	0.02	0.01	5,970	1.48	2.18
Time to 2007–08 bachelor's degree	PSE_BA (mean)	78.59	1.38	0.86	5,970	1.61	2.58
Cumulative total amount borrowed through 2012	B2BORAT (mean)	30,780.84	853.40	608.77	5,970	1.40	1.97
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	27,400.05	915.05	633.33	5,970	1.44	2.09
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	22,010.23	689.31	478.73	5,970	1.44	2.07
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	38.70	0.78	0.53	5,970	1.47	2.17
Ever received Pell Grant	PELLYRS > 0	35.69	0.90	0.62	5,970	1.45	2.12
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	43.97	1.01	0.64	5,970	1.57	2.48
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	21.06	1.25	0.77	2,790	1.62	2.61
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	59.74	1.53	0.93	2,790	1.65	2.71
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.99	0.31	0.22	5,970	1.40	1.96
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	38.24	1.03	0.63	5,970	1.65	2.71
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	62.80	0.99	0.63	5,970	1.58	2.49
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	41.94	0.24	0.16	5,520	1.54	2.37
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.54	0.93	0.62	5,520	1.51	2.27
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	85.00	0.66	0.49	5,290	1.35	1.83
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	78.47	0.65	0.38	5,970	1.71	2.91
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	78.22	0.81	0.56	5,520	1.45	2.12
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	28.41	0.93	0.58	5,970	1.59	2.52
Age at bachelor's degree receipt	AGEATBA (mean)	25.20	0.13	0.08	5,970	1.62	2.61
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	59.82	1.17	0.63	5,970	1.85	3.41
Served in the military—Yes	B2FMLSERV = 1	8.70	0.56	0.36	5,970	1.54	2.36
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	10.04	0.68	0.39	5,970	1.75	3.07

See notes at end of table.

Table I-10. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Male students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.53	2.37
Minimum	†	†	†	†	†	1.12	1.24
25th percentile	†	†	†	†	†	1.45	2.12
Median	†	†	†	†	†	1.54	2.36
75th percentile	†	†	†	†	†	1.62	2.61
Maximum	†	†	†	†	†	1.85	3.41

† Not applicable.

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NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-11. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Female students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	9.36	0.44	0.31	8,590	1.41	1.98
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	22.33	0.71	0.45	8,500	1.58	2.49
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.89	0.01	0.01	8,590	1.46	2.14
Time to 2007–08 bachelor's degree	PSE_BA (mean)	80.73	1.31	0.77	8,590	1.70	2.88
Cumulative total amount borrowed through 2012	B2BORAT (mean)	34,858.41	729.33	510.76	8,590	1.43	2.04
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	31,823.31	782.36	531.01	8,590	1.47	2.17
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	24,928.71	600.83	399.48	8,590	1.50	2.26
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	47.89	0.69	0.46	8,590	1.49	2.23
Ever received Pell Grant	PELLYRS > 0	39.11	0.71	0.53	8,590	1.35	1.81
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	46.35	0.79	0.54	8,590	1.46	2.14
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	22.32	1.00	0.62	4,470	1.60	2.58
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	64.07	1.08	0.72	4,470	1.51	2.27
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.17	0.21	0.16	8,590	1.35	1.83
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	34.42	0.71	0.51	8,590	1.39	1.93
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	53.88	0.79	0.54	8,590	1.46	2.14
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	38.36	0.18	0.13	7,940	1.47	2.15
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.51	0.74	0.52	7,940	1.42	2.03
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	83.85	0.69	0.42	7,670	1.64	2.68
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	77.83	0.47	0.32	8,590	1.48	2.20
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	74.78	0.72	0.49	7,940	1.48	2.20
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	24.94	0.67	0.47	8,590	1.43	2.05
Age at bachelor's degree receipt	AGEATBA (mean)	25.49	0.14	0.08	8,590	1.82	3.30
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	50.04	0.89	0.54	8,590	1.65	2.71
Served in the military—Yes	B2FMLSERV = 1	1.93	0.19	0.15	8,590	1.30	1.68
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	14.98	0.58	0.39	8,590	1.51	2.27

See notes at end of table.

Table I-11. Design effects for selected variables using the B&B:08/12 bookend weight (WTD000) for Female students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.49	2.25
Minimum	†	†	†	†	†	1.30	1.68
25th percentile	†	†	†	†	†	1.43	2.04
Median	†	†	†	†	†	1.47	2.17
75th percentile	†	†	†	†	†	1.51	2.27
Maximum	†	†	†	†	†	1.82	3.30

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-12. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for all students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	16.17	0.33	0.32	13,490	1.04	1.08
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	21.78	0.54	0.36	13,360	1.53	2.33
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.84	0.01	0.01	13,490	1.48	2.18
Time to 2007–08 bachelor's degree	PSE_BA (mean)	80.00	1.04	0.60	13,490	1.73	2.99
Cumulative total amount borrowed through 2012	B2BORAT (mean)	33,313.63	568.06	406.00	13,490	1.40	1.96
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	30,214.90	632.99	424.82	13,490	1.49	2.22
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	23,738.15	463.54	315.22	13,490	1.47	2.16
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	43.97	0.55	0.36	13,490	1.53	2.34
Ever received Pell Grant	PELLYRS > 0	37.72	0.61	0.42	13,490	1.46	2.15
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	45.38	0.70	0.43	13,490	1.62	2.64
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	21.36	0.74	0.50	6,830	1.49	2.21
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	61.79	0.88	0.59	6,830	1.49	2.22
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.47	0.20	0.13	13,490	1.48	2.20
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	36.37	0.62	0.41	13,490	1.50	2.25
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	58.34	0.63	0.42	13,490	1.49	2.22
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.90	0.16	0.10	12,490	1.59	2.54
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.81	0.68	0.41	12,490	1.64	2.69
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.32	0.52	0.33	12,030	1.56	2.45
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	78.31	0.40	0.25	13,490	1.62	2.62
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	76.61	0.53	0.38	12,490	1.39	1.94
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	26.12	0.57	0.38	13,490	1.51	2.29
Age at bachelor's degree receipt	AGEATBA (mean)	25.40	0.11	0.06	13,490	1.81	3.29
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	54.04	0.73	0.43	13,490	1.69	2.87
Served in the military—Yes	B2FMLSERV = 1	4.92	0.28	0.19	13,490	1.53	2.34
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	12.91	0.48	0.29	13,490	1.67	2.80

See notes at end of table.

Table I-12. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for all students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.53	2.36
Minimum	†	†	†	†	†	1.04	1.08
25th percentile	†	†	†	†	†	1.48	2.20
Median	†	†	†	†	†	1.51	2.29
75th percentile	†	†	†	†	†	1.62	2.62
Maximum	†	†	†	†	†	1.81	3.29

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-13. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for students at base-year public institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	17.37	0.51	0.43	7,820	1.19	1.43
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	22.58	0.69	0.48	7,740	1.46	2.12
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.83	0.01	0.01	7,820	1.32	1.75
Time to 2007–08 bachelor's degree	PSE_BA (mean)	75.11	1.09	0.68	7,820	1.61	2.59
Cumulative total amount borrowed through 2012	B2BORAT (mean)	28,708.19	745.96	494.45	7,820	1.51	2.28
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	26,366.87	776.53	523.23	7,820	1.48	2.20
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	21,960.60	611.32	404.34	7,820	1.51	2.29
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	40.67	0.70	0.47	7,820	1.48	2.20
Ever received Pell Grant	PELLYRS > 0	38.64	0.79	0.55	7,820	1.44	2.06
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	43.53	0.85	0.56	7,820	1.51	2.28
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	20.81	1.01	0.65	3,950	1.57	2.47
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	61.33	1.11	0.77	3,950	1.44	2.07
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.37	0.24	0.17	7,820	1.38	1.90
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	36.30	0.82	0.54	7,820	1.51	2.28
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	59.71	0.76	0.55	7,820	1.36	1.85
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.87	0.22	0.13	7,280	1.63	2.67
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.78	0.81	0.54	7,280	1.50	2.25
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.26	0.71	0.43	7,010	1.63	2.67
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	78.34	0.51	0.33	7,820	1.56	2.44
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	76.08	0.68	0.50	7,280	1.36	1.85
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	27.42	0.74	0.50	7,820	1.46	2.13
Age at bachelor's degree receipt	AGEATBA (mean)	24.82	0.11	0.07	7,820	1.66	2.75
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	53.77	0.85	0.56	7,820	1.50	2.25
Served in the military—Yes	B2FMLSERV = 1	4.12	0.33	0.22	7,820	1.49	2.21
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	12.88	0.59	0.38	7,820	1.57	2.45

See notes at end of table.

Table I-13. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for students at base-year public institutions: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.49	2.22
Minimum	†	†	†	†	†	1.19	1.43
25th percentile	†	†	†	†	†	1.44	2.07
Median	†	†	†	†	†	1.50	2.25
75th percentile	†	†	†	†	†	1.56	2.44
Maximum	†	†	†	†	†	1.66	2.75

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-14. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for students at base-year private nonprofit institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	13.73	0.73	0.49	5,020	1.50	2.26
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	17.67	0.97	0.54	4,970	1.80	3.23
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.79	0.02	0.01	5,020	1.84	3.38
Time to 2007–08 bachelor's degree	PSE_BA (mean)	78.83	1.87	1.05	5,020	1.78	3.19
Cumulative total amount borrowed through 2012	B2BORAT (mean)	39,907.68	1,082.23	746.12	5,020	1.45	2.10
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	35,155.12	1,148.45	763.80	5,020	1.50	2.26
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	25,865.60	783.21	550.10	5,020	1.42	2.03
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	47.83	1.02	0.59	5,020	1.73	2.99
Ever received Pell Grant	PELLYRS > 0	33.92	1.14	0.67	5,020	1.71	2.92
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	47.22	1.14	0.70	5,020	1.62	2.63
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	22.07	1.31	0.80	2,660	1.63	2.67
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	62.50	1.51	0.94	2,660	1.61	2.58
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.87	0.39	0.24	5,020	1.63	2.67
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	34.83	0.99	0.67	5,020	1.48	2.19
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	56.06	1.14	0.70	5,020	1.62	2.63
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.98	0.28	0.18	4,630	1.60	2.56
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	31.49	1.10	0.68	4,630	1.61	2.59
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.14	0.87	0.55	4,470	1.60	2.55
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	77.96	0.63	0.41	5,020	1.55	2.39
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	78.18	0.89	0.61	4,630	1.46	2.14
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	25.27	0.94	0.61	5,020	1.54	2.36
Age at bachelor's degree receipt	AGEATBA (mean)	25.39	0.20	0.11	5,020	1.90	3.61
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	57.46	1.30	0.70	5,020	1.86	3.47
Served in the military—Yes	B2FMLSERV = 1	5.26	0.48	0.32	5,020	1.52	2.31
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	10.90	0.67	0.44	5,020	1.53	2.35

See notes at end of table.

Table I-14. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for students at base-year private nonprofit institutions: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.62	2.64
Minimum	†	†	†	†	†	1.42	2.03
25th percentile	†	†	†	†	†	1.52	2.31
Median	†	†	†	†	†	1.61	2.58
75th percentile	†	†	†	†	†	1.71	2.92
Maximum	†	†	†	†	†	1.90	3.61

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-15. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for students at base-year for-profit institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	16.95	2.34	1.47	660	1.60	2.56
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	39.70	2.87	1.93	640	1.49	2.21
Number of institutions attended before bachelor's completion	NUMINST (mean)	2.30	0.08	0.04	660	1.82	3.30
Time to 2007–08 bachelor's degree	PSE_BA (mean)	154.86	8.96	4.35	660	2.06	4.24
Cumulative total amount borrowed through 2012	B2BORAT (mean)	49,561.18	3,462.91	1,567.74	660	2.21	4.88
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	47,802.27	3,953.81	1,872.42	660	2.11	4.46
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	32,951.95	2,483.53	1,090.91	660	2.28	5.18
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	61.81	3.77	1.56	660	2.42	5.84
Ever received Pell Grant	PELLYRS > 0	52.01	2.99	1.95	660	1.53	2.34
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	57.71	3.37	1.93	660	1.74	3.04
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	25.50	4.77	3.00	210	1.59	2.53
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	64.16	6.11	3.30	210	1.85	3.42
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	1.10	0.52	0.41	660	1.28	1.63
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	48.16	3.16	1.95	660	1.62	2.62
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	55.71	3.16	1.94	660	1.63	2.65
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.80	0.47	0.32	580	1.47	2.15
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	26.29	3.32	1.83	580	1.81	3.28
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	86.50	2.45	1.45	550	1.69	2.85
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	80.43	2.02	1.23	660	1.65	2.72
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	72.57	2.79	1.85	580	1.50	2.26
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	14.26	2.99	1.37	660	2.19	4.78
Age at bachelor's degree receipt	AGEATBA (mean)	33.47	0.82	0.39	660	2.12	4.49
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	33.60	3.43	1.85	660	1.86	3.45
Served in the military—Yes	B2FMLSERV = 1	13.37	2.34	1.33	660	1.76	3.10
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	27.60	3.45	1.75	660	1.98	3.91

See notes at end of table.

Table I-15. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for students at base-year for-profit institutions: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.81	3.35
Minimum	†	†	†	†	†	1.28	1.63
25th percentile	†	†	†	†	†	1.60	2.56
Median	†	†	†	†	†	1.76	3.10
75th percentile	†	†	†	†	†	2.06	4.24
Maximum	†	†	†	†	†	2.42	5.84

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-16. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for White students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	15.64	0.43	0.37	9,730	1.16	1.34
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	20.57	0.62	0.41	9,670	1.51	2.28
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.81	0.01	0.01	9,730	1.35	1.82
Time to 2007–08 bachelor's degree	PSE_BA (mean)	76.76	1.16	0.69	9,730	1.69	2.85
Cumulative total amount borrowed through 2012	B2BORAT (mean)	31,659.44	670.68	462.37	9,730	1.45	2.10
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	28,027.53	713.98	476.60	9,730	1.50	2.24
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	22,641.81	521.01	370.18	9,730	1.41	1.98
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	42.24	0.60	0.42	9,730	1.42	2.02
Ever received Pell Grant	PELLYRS > 0	31.46	0.75	0.47	9,730	1.58	2.51
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	46.66	0.78	0.51	9,730	1.54	2.36
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	20.91	0.86	0.59	4,710	1.45	2.11
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	62.20	1.07	0.71	4,710	1.51	2.29
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.33	0.20	0.15	9,730	1.34	1.79
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	34.63	0.70	0.48	9,730	1.45	2.10
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	60.87	0.75	0.49	9,730	1.52	2.31
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	40.02	0.19	0.12	9,250	1.61	2.58
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	31.72	0.75	0.48	9,250	1.54	2.38
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.41	0.58	0.38	8,900	1.51	2.27
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	80.61	0.43	0.27	9,730	1.56	2.42
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	78.95	0.58	0.42	9,250	1.36	1.86
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	28.40	0.67	0.46	9,730	1.46	2.12
Age at bachelor's degree receipt	AGEATBA (mean)	25.01	0.12	0.07	9,730	1.73	2.98
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	53.24	0.87	0.51	9,730	1.71	2.93
Served in the military—Yes	B2FMLSERV = 1	4.54	0.32	0.21	9,730	1.51	2.29
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	12.84	0.56	0.34	9,730	1.64	2.68

See notes at end of table.

Table I-16. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for White students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†		†	†	†	1.50	2.26
Minimum	†		†	†	†	1.16	1.34
25th percentile	†		†	†	†	1.45	2.10
Median	†		†	†	†	1.51	2.28
75th percentile	†		†	†	†	1.56	2.42
Maximum	†		†	†	†	1.73	2.98

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

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NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-17. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Black students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample			
				standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	15.03	1.60	1.02	1,220	1.56	2.44
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	23.85	1.91	1.23	1,190	1.55	2.39
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.98	0.06	0.03	1,220	1.91	3.65
Time to 2007–08 bachelor's degree	PSE_BA (mean)	109.34	4.93	2.70	1,220	1.83	3.34
Cumulative total amount borrowed through 2012	B2BORAT (mean)	48,877.67	2,124.93	1,464.21	1,220	1.45	2.11
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	50,986.79	2,321.14	1,633.84	1,220	1.42	2.02
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	36,686.66	1,499.97	1,091.68	1,220	1.37	1.89
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	61.06	1.85	1.20	1,220	1.54	2.36
Ever received Pell Grant	PELLYRS > 0	62.91	2.31	1.38	1,220	1.67	2.79
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	47.30	2.14	1.43	1,220	1.50	2.24
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	29.51	2.77	1.72	710	1.61	2.60
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	68.95	2.70	1.74	710	1.55	2.40
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.95	0.68	0.49	1,220	1.40	1.97
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	43.01	2.55	1.42	1,220	1.80	3.23
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	47.90	2.22	1.43	1,220	1.55	2.41
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	38.69	0.49	0.31	1,030	1.56	2.42
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	31.48	2.19	1.45	1,030	1.51	2.29
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.44	1.90	1.15	1,000	1.66	2.76
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	74.23	1.37	0.94	1,220	1.45	2.10
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	66.43	2.14	1.47	1,030	1.46	2.12
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	16.43	1.70	1.06	1,220	1.60	2.57
Age at bachelor's degree receipt	AGEATBA (mean)	28.84	0.48	0.27	1,220	1.79	3.22
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	49.94	2.06	1.43	1,220	1.44	2.06
Served in the military—Yes	B2FMLSERV = 1	7.07	1.39	0.73	1,220	1.89	3.56
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	16.77	1.50	1.07	1,220	1.40	1.96

See notes at end of table.

Table I-17. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Black students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.58	2.52
Minimum	†	†	†	†	†	1.37	1.89
25th percentile	†	†	†	†	†	1.45	2.11
Median	†	†	†	†	†	1.55	2.40
75th percentile	†	†	†	†	†	1.66	2.76
Maximum	†	†	†	†	†	1.91	3.65

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-18. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Hispanic students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	12.21	1.35	0.94	1,210	1.44	2.06
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	28.04	2.32	1.30	1,190	1.78	3.18
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.88	0.04	0.03	1,210	1.59	2.54
Time to 2007–08 bachelor's degree	PSE_BA (mean)	86.93	2.75	1.86	1,210	1.48	2.18
Cumulative total amount borrowed through 2012	B2BORAT (mean)	32,647.80	2,016.97	1,364.59	1,210	1.48	2.18
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	30,454.15	2,108.51	1,407.36	1,210	1.50	2.24
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	22,402.07	1,517.72	936.82	1,210	1.62	2.62
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	45.14	2.13	1.23	1,210	1.73	2.99
Ever received Pell Grant	PELLYRS > 0	57.78	2.30	1.42	1,210	1.62	2.62
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	43.84	2.36	1.42	1,210	1.65	2.74
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	22.35	2.90	1.67	630	1.74	3.04
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	61.25	3.68	1.95	630	1.89	3.57
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.29	0.77	0.43	1,210	1.80	3.22
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	42.86	2.13	1.42	1,210	1.50	2.25
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	54.55	2.11	1.43	1,210	1.48	2.18
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.21	0.53	0.33	1,060	1.60	2.57
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	24.13	1.82	1.31	1,060	1.38	1.91
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	83.41	1.92	1.16	1,030	1.66	2.74
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	73.75	1.43	0.92	1,210	1.55	2.40
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	69.23	2.34	1.42	1,060	1.65	2.72
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	17.07	1.73	1.08	1,210	1.60	2.56
Age at bachelor's degree receipt	AGEATBA (mean)	26.11	0.30	0.19	1,210	1.54	2.36
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	52.29	2.24	1.43	1,210	1.56	2.43
Served in the military—Yes	B2FMLSERV = 1	5.66	1.16	0.66	1,210	1.74	3.03
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	14.47	1.52	1.01	1,210	1.51	2.27

See notes at end of table.

Table I-18. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Hispanic students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.60	2.59
Minimum	†	†	†	†	†	1.38	1.91
25th percentile	†	†	†	†	†	1.50	2.25
Median	†	†	†	†	†	1.60	2.56
75th percentile	†	†	†	†	†	1.66	2.74
Maximum	†	†	†	†	†	1.89	3.57

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-19. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Asian students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	32.29	2.68	1.59	870	1.69	2.84
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	20.05	2.71	1.38	840	1.96	3.84
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.73	0.05	0.03	870	1.79	3.22
Time to 2007–08 bachelor's degree	PSE_BA (mean)	62.17	2.43	1.31	870	1.85	3.42
Cumulative total amount borrowed through 2012	B2BORAT (mean)	31,266.11	2,684.73	1,803.41	870	1.49	2.22
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	25,075.91	2,804.37	1,872.71	870	1.50	2.24
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	20,528.67	1,938.18	1,386.08	870	1.40	1.96
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	35.84	1.90	1.45	870	1.31	1.71
Ever received Pell Grant	PELLYRS > 0	42.30	2.85	1.68	870	1.70	2.89
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	30.07	2.84	1.56	870	1.82	3.33
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	14.29	3.28	1.53	530	2.15	4.61
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	48.79	3.40	2.18	530	1.56	2.43
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	3.66	0.91	0.64	870	1.43	2.05
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	43.37	2.88	1.68	870	1.71	2.92
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	53.95	2.77	1.69	870	1.63	2.67
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	41.26	0.81	0.53	720	1.51	2.29
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.89	3.09	1.72	720	1.79	3.22
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.77	2.13	1.37	690	1.56	2.42
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	64.09	1.81	1.18	870	1.54	2.37
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	76.68	2.43	1.58	720	1.54	2.37
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	24.84	2.29	1.47	870	1.56	2.43
Age at bachelor's degree receipt	AGEATBA (mean)	23.57	0.31	0.16	870	1.95	3.81
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	74.44	2.43	1.48	870	1.64	2.68
Served in the military—Yes	B2FMLSERV = 1	2.03	0.87	0.48	870	1.81	3.29
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	5.30	1.15	0.76	870	1.51	2.29

See notes at end of table.

Table I-19. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Asian students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.66	2.78
Minimum	†	†	†	†	†	1.31	1.71
25th percentile	†	†	†	†	†	1.51	2.29
Median	†	†	†	†	†	1.63	2.67
75th percentile	†	†	†	†	†	1.79	3.22
Maximum	†	†	†	†	†	2.15	4.61

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-20. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Other students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	13.56	2.24	1.58	470	1.41	2.00
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	28.55	3.41	2.10	460	1.62	2.63
Number of institutions attended before bachelor's completion	NUMINST (mean)	2.00	0.08	0.05	470	1.64	2.67
Time to 2007–08 bachelor's degree	PSE_BA (mean)	87.43	5.29	3.35	470	1.58	2.49
Cumulative total amount borrowed through 2012	B2BORAT (mean)	34,897.16	3,322.50	2,344.99	470	1.42	2.01
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	32,958.48	3,588.26	2,550.66	470	1.41	1.98
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	23,772.96	2,051.48	1,436.19	470	1.43	2.04
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	48.88	2.97	1.97	470	1.51	2.27
Ever received Pell Grant	PELLYRS > 0	46.19	3.76	2.31	470	1.63	2.66
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	43.59	3.16	2.29	470	1.38	1.90
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	17.37	3.68	2.36	260	1.56	2.44
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	58.06	4.78	3.07	260	1.55	2.42
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.76	0.94	0.76	470	1.24	1.54
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	27.53	3.65	2.07	470	1.77	3.12
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	48.36	3.20	2.31	470	1.38	1.91
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	39.95	0.93	0.60	430	1.54	2.36
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	26.72	3.28	2.14	430	1.53	2.34
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	83.62	3.15	1.82	410	1.73	2.98
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	76.06	1.96	1.41	470	1.39	1.93
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	68.72	3.38	2.24	430	1.51	2.27
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	28.05	3.30	2.08	470	1.59	2.52
Age at bachelor's degree receipt	AGEATBA (mean)	26.32	0.52	0.34	470	1.54	2.36
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	51.25	3.63	2.31	470	1.57	2.46
Served in the military—Yes	B2FMLSERV = 1	10.52	2.18	1.42	470	1.54	2.37
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	13.60	2.42	1.59	470	1.52	2.32

See notes at end of table.

Table I-20. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Other students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.52	2.32
Minimum	†	†	†	†	†	1.24	1.54
25th percentile	†	†	†	†	†	1.42	2.01
Median	†	†	†	†	†	1.54	2.36
75th percentile	†	†	†	†	†	1.58	2.49
Maximum	†	†	†	†	†	1.77	3.12

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-21. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Male students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	25.33	0.62	0.59	5,530	1.06	1.12
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	20.59	0.81	0.55	5,470	1.48	2.19
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.76	0.02	0.01	5,530	1.50	2.25
Time to 2007–08 bachelor's degree	PSE_BA (mean)	78.98	1.42	0.90	5,530	1.59	2.51
Cumulative total amount borrowed through 2012	B2BORAT (mean)	31,018.63	877.09	630.64	5,530	1.39	1.93
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	27,757.93	937.27	660.17	5,530	1.42	2.02
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	22,125.33	682.93	491.42	5,530	1.39	1.93
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	38.56	0.82	0.55	5,530	1.50	2.24
Ever received Pell Grant	PELLYRS > 0	36.00	0.95	0.65	5,530	1.47	2.17
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	43.33	1.00	0.67	5,530	1.50	2.25
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	20.13	1.26	0.78	2,630	1.61	2.60
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	58.99	1.53	0.96	2,630	1.60	2.55
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	3.06	0.33	0.23	5,530	1.41	1.99
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	38.37	1.03	0.65	5,530	1.57	2.48
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	63.15	1.01	0.65	5,530	1.56	2.43
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	41.78	0.26	0.16	5,120	1.57	2.46
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	31.19	1.05	0.65	5,120	1.62	2.63
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	84.84	0.69	0.51	4,910	1.35	1.83
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	78.49	0.68	0.39	5,530	1.73	3.00
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	78.04	0.80	0.58	5,120	1.38	1.90
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	28.32	0.95	0.61	5,530	1.56	2.44
Age at bachelor's degree receipt	AGEATBA (mean)	25.26	0.14	0.09	5,530	1.58	2.51
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	59.29	1.25	0.66	5,530	1.88	3.55
Served in the military—Yes	B2FMLSERV = 1	8.93	0.58	0.38	5,530	1.52	2.30
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	10.26	0.75	0.41	5,530	1.83	3.36

See notes at end of table.

Table I-21. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Male students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.52	2.35
Minimum	†	†	†	†	†	1.06	1.12
25th percentile	†	†	†	†	†	1.42	2.02
Median	†	†	†	†	†	1.52	2.30
75th percentile	†	†	†	†	†	1.59	2.51
Maximum	†	†	†	†	†	1.88	3.55

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).

² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-22. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Female students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Bachelor's degree major—STEM major	MAJORS4Y = 1, 2, 3	9.38	0.47	0.33	7,970	1.45	2.10
First institution sector—2-year or less	I1SECT = 2, 3, 5, 6, 8, 9	22.66	0.72	0.47	7,880	1.53	2.35
Number of institutions attended before bachelor's completion	NUMINST (mean)	1.89	0.02	0.01	7,970	1.45	2.11
Time to 2007–08 bachelor's degree	PSE_BA (mean)	80.75	1.41	0.81	7,970	1.74	3.04
Cumulative total amount borrowed through 2012	B2BORAT (mean)	35,013.56	750.40	529.90	7,970	1.42	2.01
Cumulative amount owed for education loans as of 2012	B2TOTDUE3 (mean)	32,034.81	817.43	554.26	7,970	1.47	2.18
Cumulative federal amount borrowed through 2012	B2FEDCUM3 (mean)	24,932.79	613.74	410.44	7,970	1.50	2.24
Ratio of federal loans to annual income in 2012	B2DEBTRT (mean)	47.98	0.77	0.48	7,970	1.61	2.59
Ever received Pell Grant	PELLYRS > 0	38.99	0.75	0.55	7,970	1.37	1.89
Repayment status for any loans in 2012 (federal and private)— Repaying loans	B2PAYSTAT = 2	46.90	0.91	0.56	7,970	1.63	2.64
Current enrollment in 2012: degree type—Master's	B2CURDEG = 5	22.14	1.06	0.64	4,200	1.65	2.73
Highest post-bachelor's enrollment as of 2012: degree type—Master's	B2HIENR = 5	63.59	1.10	0.74	4,200	1.48	2.18
Ever enrolled in doctoral degree program as of 2012—Yes	B2DCTR12 = 1	2.04	0.21	0.16	7,970	1.32	1.73
Number of jobs held since bachelor's degree—One	B2TOTJOB = 1	34.88	0.80	0.53	7,970	1.49	2.22
Employment status in 2012—One full-time job, not enrolled	B2LFP12 = 2	54.77	0.86	0.56	7,970	1.55	2.40
Primary current or most recent job in 2012: hours worked per week	B2CJHRS (mean)	38.51	0.20	0.13	7,370	1.49	2.23
Primary job: satisfaction: benefits— Satisfied	B2DBEN = 4	30.53	0.81	0.54	7,370	1.51	2.27
Primary current or most recent job in 2012: employer offer any benefits—Yes	B2DBENANY = 1	83.93	0.70	0.44	7,120	1.61	2.58
Percent of time employed from bachelor's to 2nd follow-up	B2PCEMP (mean)	78.18	0.48	0.32	7,970	1.48	2.20
Primary current or most recent job in 2012—Start of career	B2DCURL = 1	75.56	0.72	0.50	7,370	1.44	2.07
Highest education attained by either parent—Bachelor's degree	PAREDUC = 7	24.48	0.68	0.48	7,970	1.42	2.01
Age at bachelor's degree receipt	AGEATBA (mean)	25.51	0.15	0.08	7,970	1.86	3.48
Family status in 2012—Unmarried, no dependent children	B2MARCH = 1	50.15	0.92	0.56	7,970	1.64	2.70
Served in the military—Yes	B2FMLSERV = 1	1.95	0.21	0.15	7,970	1.37	1.87
Number of dependent children—Yes, had dependent children	B2FDEP2 = 1	14.88	0.62	0.40	7,970	1.55	2.39

See notes at end of table.

Table I-22. Design effects for selected variables using the B&B:08/12 panel weight (WTE000) for Female students: 2012—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Summary statistics							
Mean	†	†	†	†	†	1.52	2.33
Minimum	†	†	†	†	†	1.32	1.73
25th percentile	†	†	†	†	†	1.45	2.10
Median	†	†	†	†	†	1.49	2.23
75th percentile	†	†	†	†	†	1.61	2.58
Maximum	†	†	†	†	†	1.86	3.48

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-23. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for all students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	44.66	0.25	0.13	12,480	1.98	3.92
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	23.06	0.32	0.38	12,250	0.83	0.69
NPSAS bachelor's degree was with honors	QFHDGHON = 1	28.41	0.70	0.40	12,570	1.74	3.03
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	49.29	0.45	0.29	12,400	1.57	2.47
Number of repeated courses	QETCSRPT (mean)	0.61	0.02	0.02	12,480	1.32	1.74
Remedial courses: number taken	QETOTR (mean)	0.48	0.02	0.01	12,480	1.81	3.26
Total non-course credits	QBTLNCCR (mean)	2.12	0.09	0.06	12,290	1.44	2.08
Total AP credits awarded by institution	QBTLAPCR (mean)	1.12	0.05	0.04	12,390	1.33	1.77
Military training/experience course credit	QBNMMLCR (mean)	0.14	0.04	0.02	12,460	2.00	3.99
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	16.41	0.47	0.26	11,380	1.78	3.18
First year enrollment: credits earned	QE1STERN (mean)	27.84	0.15	0.09	12,310	1.65	2.74
Per-year average: credits earned	QEAVGERN (mean)	26.87	0.10	0.07	12,310	1.53	2.33
Fine arts, including graphic arts and design: credits earned	QEFAERERN (mean)	7.67	0.20	0.14	12,450	1.41	1.99
Nursing: credits earned	QENRSERN (mean)	2.28	0.10	0.10	12,480	1.09	1.18
Study abroad: credits earned	QESABERN (mean)	0.73	0.05	0.03	12,450	1.56	2.43
STEM: credits earned	QUESTMERN (mean)	26.13	0.29	0.25	12,440	1.17	1.36
Non-STEM: credits earned	QENSTERN (mean)	95.85	0.48	0.30	12,450	1.61	2.58
First-second years: credits earned	QE12ERN (mean)	54.86	0.26	0.16	12,300	1.64	2.68
Computer science: credits attempted	QECSATT (mean)	3.26	0.09	0.07	12,450	1.16	1.35
Student teaching: credits attempted	QESTTATT (mean)	0.73	0.03	0.03	12,450	1.16	1.35
Non-science & engineering: number taken	QENSENUM (mean)	38.59	0.23	0.12	12,480	1.84	3.38
Science & engineering: number taken	QESERNUM (mean)	5.50	0.08	0.07	12,480	1.11	1.23
Sports/PE/recreation: GPA	QESPTEGPA (mean)	3.63	0.01	0.01	4,450	1.66	2.77
Social sciences: GPA	QESSCGPA (mean)	3.17	0.01	0.01	11,380	1.68	2.83
GPA in fourth year of attendance	QEYR4GPA (mean)	3.28	0.01	0.01	8,630	1.58	2.51
Summary statistics							
Mean	†		†	†	†	1.51	2.35
Minimum	†		†	†	†	0.83	0.69
25th percentile	†		†	†	†	1.32	1.74
Median	†		†	†	†	1.57	2.47
75th percentile	†		†	†	†	1.68	2.83
Maximum	†		†	†	†	2.00	3.99

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-24. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for students at base-year public institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	46.21	0.31	0.17	7,260	1.86	3.45
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	20.20	0.65	0.48	7,120	1.36	1.84
NPSAS bachelor's degree was with honors	QFHDGHON = 1	25.08	0.83	0.51	7,350	1.64	2.70
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	51.02	0.63	0.41	7,220	1.56	2.42
Number of repeated courses	QETCSRPT (mean)	0.75	0.04	0.03	7,260	1.35	1.84
Remedial courses: number taken	QETOTR (mean)	0.55	0.02	0.01	7,260	1.51	2.29
Total non-course credits	QBTLNCCR (mean)	1.98	0.12	0.08	7,160	1.49	2.22
Total AP credits awarded by institution	QBTLAPCR (mean)	1.01	0.06	0.04	7,200	1.40	1.97
Military training/experience course credit	QBNMMLCR (mean)	0.10	0.05	0.03	7,250	2.01	4.05
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	17.60	0.60	0.37	6,520	1.63	2.66
First year enrollment: credits earned	QE1STERN (mean)	27.50	0.15	0.11	7,250	1.31	1.73
Per-year average: credits earned	QEAVGERN (mean)	26.53	0.13	0.08	7,250	1.60	2.56
Fine arts, including graphic arts and design: credits earned	QEFAERERN (mean)	7.11	0.25	0.18	7,250	1.42	2.02
Nursing: credits earned	QENRSERN (mean)	2.06	0.15	0.12	7,260	1.22	1.49
Study abroad: credits earned	QESABERN (mean)	0.58	0.06	0.04	7,250	1.43	2.06
STEM: credits earned	QUESTMERN (mean)	28.63	0.42	0.34	7,260	1.24	1.54
Non-STEM: credits earned	QENSTERN (mean)	95.85	0.63	0.40	7,260	1.58	2.50
First-second years: credits earned	QE12ERN (mean)	54.22	0.29	0.19	7,240	1.47	2.15
Computer science: credits attempted	QECSATT (mean)	3.04	0.12	0.09	7,250	1.43	2.04
Student teaching: credits attempted	QESTTATT (mean)	0.86	0.05	0.04	7,240	1.21	1.45
Non-science & engineering: number taken	QENSENUM (mean)	39.24	0.29	0.16	7,260	1.74	3.03
Science & engineering: number taken	QESERNUM (mean)	6.39	0.12	0.10	7,260	1.18	1.39
Sports/PE/recreation: GPA	QESPTEGPA (mean)	3.62	0.02	0.01	2,790	1.41	1.99
Social sciences: GPA	QESSCGPA (mean)	3.12	0.01	0.01	6,730	1.55	2.39
GPA in fourth year of attendance	QEYR4GPA (mean)	3.23	0.01	0.01	5,020	1.45	2.10
Summary statistics							
Mean	†		†	†	†	1.48	2.24
Minimum	†		†	†	†	1.18	1.39
25th percentile	†		†	†	†	1.36	1.84
Median	†		†	†	†	1.45	2.10
75th percentile	†		†	†	†	1.58	2.50
Maximum	†		†	†	†	2.01	4.05

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-25. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for students at base-year private nonprofit institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	43.09	0.45	0.19	4,590	2.32	5.40
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	25.89	1.06	0.65	4,510	1.63	2.66
NPSAS bachelor's degree was with honors	QFHDGHON = 1	36.65	1.23	0.71	4,590	1.73	2.99
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	46.82	0.57	0.39	4,570	1.48	2.18
Number of repeated courses	QETCSRPT (mean)	0.35	0.03	0.02	4,590	1.65	2.74
Remedial courses: number taken	QETOTR (mean)	0.32	0.03	0.01	4,590	2.09	4.36
Total non-course credits	QBTLNCCR (mean)	2.43	0.15	0.10	4,510	1.56	2.43
Total AP credits awarded by institution	QBTLAPCR (mean)	1.49	0.11	0.07	4,560	1.50	2.25
Military training/experience course credit	QBNMMLCR (mean)	0.19	0.06	0.03	4,590	1.67	2.79
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	14.21	0.78	0.38	4,320	2.03	4.12
First year enrollment: credits earned	QE1STERN (mean)	27.76	0.26	0.13	4,550	1.96	3.86
Per-year average: credits earned	QEAVGERN (mean)	27.21	0.19	0.12	4,550	1.58	2.50
Fine arts, including graphic arts and design: credits earned	QEFAERERN (mean)	8.17	0.43	0.24	4,580	1.77	3.15
Nursing: credits earned	QENRSERN (mean)	2.69	0.22	0.17	4,590	1.30	1.69
Study abroad: credits earned	QESABERN (mean)	1.11	0.10	0.06	4,570	1.77	3.13
STEM: credits earned	QUESTMERN (mean)	22.59	0.66	0.39	4,570	1.69	2.85
Non-STEM: credits earned	QENSTERN (mean)	96.86	0.86	0.45	4,570	1.91	3.65
First-second years: credits earned	QE12ERN (mean)	54.90	0.46	0.25	4,550	1.88	3.52
Computer science: credits attempted	QECSATT (mean)	2.82	0.15	0.11	4,580	1.35	1.83
Student teaching: credits attempted	QESTTATT (mean)	0.58	0.05	0.04	4,580	1.27	1.61
Non-science & engineering: number taken	QENSENUM (mean)	38.10	0.40	0.19	4,590	2.08	4.32
Science & engineering: number taken	QESERNUM (mean)	4.48	0.18	0.11	4,590	1.69	2.85
Sports/PE/recreation: GPA	QESPTEGPA (mean)	3.65	0.03	0.01	1,660	2.12	4.47
Social sciences: GPA	QESSCGPA (mean)	3.26	0.02	0.01	4,180	1.69	2.87
GPA in fourth year of attendance	QEYR4GPA (mean)	3.38	0.02	0.01	3,390	1.72	2.97
Summary statistics							
Mean	†		†	†	†	1.74	3.09
Minimum	†		†	†	†	1.27	1.61
25th percentile	†		†	†	†	1.58	2.50
Median	†		†	†	†	1.69	2.87
75th percentile	†		†	†	†	1.91	3.65
Maximum	†		†	†	†	2.32	5.40

† Not applicable.

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NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-26. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for students at base-year for-profit institutions: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	34.80	0.91	0.48	630	1.90	3.62
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	41.41	3.84	1.97	630	1.95	3.81
NPSAS bachelor's degree was with honors	QFHDGHON = 1	15.76	3.11	1.45	630	2.15	4.61
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	43.03	2.78	1.23	620	2.27	5.15
Number of repeated courses	QETCSRPT (mean)	0.45	0.09	0.06	630	1.53	2.33
Remedial courses: number taken	QETOTR (mean)	0.59	0.11	0.04	630	3.14	9.89
Total non-course credits	QBTLNCCR (mean)	1.66	0.43	0.18	620	2.45	6.02
Total AP credits awarded by institution	QBTLAPCR (mean)	#	†	†	630	†	†
Military training/experience course credit	QBNMMLCR (mean)	0.29	0.11	0.08	620	1.41	1.99
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	16.14	1.90	0.99	550	1.92	3.68
First year enrollment: credits earned	QE1STERN (mean)	35.06	2.34	0.74	520	3.17	10.02
Per-year average: credits earned	QEAVGERN (mean)	30.09	1.77	0.58	510	3.04	9.25
Fine arts, including graphic arts and design: credits earned	QEFAERERN (mean)	11.65	2.34	0.97	620	2.40	5.78
Nursing: credits earned	QENRSERN (mean)	2.40	1.02	0.42	630	2.43	5.90
Study abroad: credits earned	QESABERN (mean)	#	†	†	630	†	†
STEM: credits earned	QUESTMERN (mean)	16.93	1.51	0.77	610	1.96	3.84
Non-STEM: credits earned	QENSTERN (mean)	88.88	2.41	1.50	620	1.60	2.56
First-second years: credits earned	QE12ERN (mean)	66.49	4.06	1.35	510	3.00	9.03
Computer science: credits attempted	QECSATT (mean)	9.47	1.12	0.67	610	1.67	2.80
Student teaching: credits attempted	QESEATT (mean)	#	†	†	630	†	†
Non-science & engineering: number taken	QENSENUM (mean)	33.13	0.95	0.47	630	2.03	4.10
Science & engineering: number taken	QESENNUM (mean)	0.73	0.15	0.07	630	2.13	4.52
Sports/PE/recreation: GPA	QESPTGPA (mean)	†	†	†	#	†	†
Social sciences: GPA	QESSCGPA (mean)	3.32	0.07	0.03	480	2.07	4.29
GPA in fourth year of attendance	QEYR4GPA (mean)	3.30	0.08	0.05	220	1.68	2.83
Summary statistics							
Mean	†		†	†	†	2.06	4.66
Minimum	†		†	†	†	0.70	0.49
25th percentile	†		†	†	†	1.67	2.80
Median	†		†	†	†	2.03	4.10
75th percentile	†		†	†	†	2.43	5.90
Maximum	†		†	†	†	3.17	10.02

† Not applicable.

Rounds to zero.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-27. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for White students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	44.79	0.28	0.15	9,010	1.88	3.55
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	21.79	0.50	0.44	8,850	1.14	1.31
NPSAS bachelor's degree was with honors	QFHDGHON = 1	30.99	0.80	0.49	9,090	1.65	2.74
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	48.83	0.52	0.32	8,960	1.61	2.61
Number of repeated courses	QETCSRPT (mean)	0.52	0.03	0.02	9,010	1.30	1.70
Remedial courses: number taken	QETOTR (mean)	0.38	0.02	0.01	9,010	1.91	3.63
Total non-course credits	QBTLNCCR (mean)	2.16	0.11	0.07	8,870	1.49	2.23
Total AP credits awarded by institution	QBTLAPCR (mean)	1.12	0.06	0.04	8,950	1.33	1.77
Military training/experience course credit	QBNMMLCR (mean)	0.14	0.05	0.02	8,990	2.04	4.16
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	15.94	0.50	0.30	8,220	1.65	2.74
First year enrollment: credits earned	QE1STERN (mean)	28.11	0.16	0.10	8,910	1.57	2.47
Per-year average: credits earned	QEAVGERN (mean)	27.13	0.11	0.08	8,910	1.44	2.07
Fine arts, including graphic arts and design: credits earned	QEFAERN (mean)	8.13	0.27	0.18	8,990	1.56	2.42
Nursing: credits earned	QENRSERN (mean)	2.30	0.13	0.11	9,010	1.13	1.27
Study abroad: credits earned	QESABERN (mean)	0.86	0.06	0.04	8,980	1.62	2.61
STEM: credits earned	QUESTMERN (mean)	25.95	0.34	0.29	8,990	1.17	1.37
Non-STEM: credits earned	QENSTERN (mean)	96.69	0.58	0.35	8,990	1.65	2.74
First-second years: credits earned	QE12ERN (mean)	55.43	0.28	0.18	8,900	1.55	2.41
Computer science: credits attempted	QECSATT (mean)	3.02	0.10	0.08	9,000	1.21	1.47
Student teaching: credits attempted	QESTTATT (mean)	0.87	0.04	0.03	8,980	1.20	1.45
Non-science & engineering: number taken	QENSENUM (mean)	38.82	0.27	0.15	9,010	1.83	3.36
Science & engineering: number taken	QESERNUM (mean)	5.41	0.08	0.08	9,010	1.05	1.10
Sports/PE/recreation: GPA	QESPPTGPA (mean)	3.65	0.02	0.01	3,350	1.64	2.68
Social sciences: GPA	QESSCGPA (mean)	3.20	0.01	0.01	8,210	1.70	2.88
GPA in fourth year of attendance	QEYR4GPA (mean)	3.32	0.01	0.01	6,310	1.54	2.37
Summary statistics							
Mean	†		†	†	†	1.52	2.36
Minimum	†		†	†	†	1.05	1.10
25th percentile	†		†	†	†	1.30	1.70
Median	†		†	†	†	1.56	2.42
75th percentile	†		†	†	†	1.65	2.74
Maximum	†		†	†	†	2.04	4.16

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-28. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for Black students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	45.14	0.71	0.46	1,120	1.55	2.40
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	33.62	2.06	1.42	1,110	1.45	2.10
NPSAS bachelor's degree was with honors	QFHDGHON = 1	14.01	1.56	1.04	1,120	1.51	2.27
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	51.04	1.26	1.05	1,110	1.20	1.43
Number of repeated courses	QETCSRPT (mean)	0.83	0.10	0.08	1,120	1.28	1.64
Remedial courses: number taken	QETOTR (mean)	0.92	0.06	0.05	1,120	1.40	1.96
Total non-course credits	QBTLNCCR (mean)	1.19	0.24	0.16	1,100	1.52	2.30
Total AP credits awarded by institution	QBTLAPCR (mean)	0.30	0.09	0.05	1,120	1.74	3.02
Military training/experience course credit	QBNMMLCR (mean)	0.17	0.10	0.05	1,110	1.92	3.68
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	22.14	1.93	1.11	1,020	1.73	2.99
First year enrollment: credits earned	QE1STERN (mean)	26.39	0.46	0.30	1,080	1.52	2.32
Per-year average: credits earned	QEAVGERN (mean)	25.56	0.36	0.25	1,080	1.47	2.15
Fine arts, including graphic arts and design: credits earned	QEFAERN (mean)	5.39	0.40	0.32	1,100	1.24	1.53
Nursing: credits earned	QENRSERN (mean)	3.14	0.52	0.36	1,120	1.42	2.01
Study abroad: credits earned	QESABERN (mean)	0.19	0.07	0.05	1,120	1.48	2.20
STEM: credits earned	QUESTMERN (mean)	24.54	1.19	0.80	1,100	1.49	2.21
Non-STEM: credits earned	QENSTERN (mean)	96.37	1.43	0.95	1,110	1.51	2.28
First-second years: credits earned	QE12ERN (mean)	51.59	0.78	0.55	1,080	1.41	2.00
Computer science: credits attempted	QECSATT (mean)	4.69	0.51	0.34	1,110	1.50	2.25
Student teaching: credits attempted	QESTTATT (mean)	0.37	0.11	0.06	1,120	1.65	2.72
Non-science & engineering: number taken	QENSENUM (mean)	39.74	0.64	0.42	1,120	1.54	2.37
Science & engineering: number taken	QESERNUM (mean)	4.81	0.35	0.24	1,120	1.49	2.22
Sports/PE/recreation: GPA	QESPPTGPA (mean)	3.51	0.05	0.04	390	1.46	2.14
Social sciences: GPA	QESSCGPA (mean)	3.00	0.02	0.02	1,010	1.26	1.59
GPA in fourth year of attendance	QEYR4GPA (mean)	2.98	0.04	0.02	710	1.64	2.68
Summary statistics							
Mean	†		†	†	†	1.49	2.26
Minimum	†		†	†	†	1.20	1.43
25th percentile	†		†	†	†	1.42	2.01
Median	†		†	†	†	1.49	2.22
75th percentile	†		†	†	†	1.54	2.37
Maximum	†		†	†	†	1.92	3.68

† Not applicable.

¹ DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).² DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-29. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for Hispanic students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	43.83	0.65	0.41	1,140	1.60	2.56
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	23.76	2.07	1.28	1,110	1.62	2.64
NPSAS bachelor's degree was with honors	QFHDGHON = 1	24.47	2.04	1.27	1,140	1.60	2.57
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	52.72	1.45	1.10	1,140	1.32	1.74
Number of repeated courses	QETCSRPT (mean)	0.95	0.10	0.07	1,140	1.44	2.08
Remedial courses: number taken	QETOTR (mean)	0.81	0.08	0.05	1,140	1.80	3.22
Total non-course credits	QBTLNCCR (mean)	1.95	0.20	0.15	1,130	1.29	1.67
Total AP credits awarded by institution	QBTLAPCR (mean)	0.96	0.15	0.10	1,130	1.43	2.05
Military training/experience course credit	QBNMMLCR (mean)	0.10	0.07	0.04	1,140	1.62	2.61
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	16.37	1.20	0.79	1,040	1.52	2.30
First year enrollment: credits earned	QE1STERN (mean)	26.62	0.46	0.30	1,120	1.51	2.27
Per-year average: credits earned	QEAVGERN (mean)	25.70	0.31	0.22	1,120	1.39	1.93
Fine arts, including graphic arts and design: credits earned	QEFAERN (mean)	6.35	0.62	0.44	1,140	1.40	1.96
Nursing: credits earned	QENRSERN (mean)	1.48	0.41	0.26	1,140	1.56	2.42
Study abroad: credits earned	QESABERN (mean)	0.35	0.08	0.07	1,140	1.15	1.33
STEM: credits earned	QUESTMERN (mean)	21.83	1.02	0.76	1,140	1.34	1.80
Non-STEM: credits earned	QENSTERN (mean)	96.98	1.48	0.91	1,140	1.63	2.65
First-second years: credits earned	QE12ERN (mean)	52.53	0.86	0.57	1,120	1.51	2.28
Computer science: credits attempted	QECSATT (mean)	3.08	0.36	0.22	1,140	1.62	2.61
Student teaching: credits attempted	QESEATT (mean)	0.37	0.06	0.05	1,140	1.07	1.14
Non-science & engineering: number taken	QENSENUM (mean)	38.54	0.59	0.37	1,140	1.60	2.56
Science & engineering: number taken	QESENNUM (mean)	4.69	0.26	0.22	1,140	1.18	1.40
Sports/PE/recreation: GPA	QESPPTGPA (mean)	3.59	0.05	0.03	370	1.54	2.37
Social sciences: GPA	QESSCGPA (mean)	3.10	0.03	0.02	1,050	1.60	2.57
GPA in fourth year of attendance	QEYR4GPA (mean)	3.21	0.03	0.02	750	1.48	2.20
Summary statistics							
Mean	†		†	†	†	1.47	2.20
Minimum	†		†	†	†	1.07	1.14
25th percentile	†		†	†	†	1.39	1.93
Median	†		†	†	†	1.51	2.28
75th percentile	†		†	†	†	1.60	2.57
Maximum	†		†	†	†	1.80	3.22

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-30. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for Asian students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	44.31	0.83	0.49	790	1.72	2.96
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	22.59	2.77	1.51	770	1.84	3.38
NPSAS bachelor's degree was with honors	QFHDGHON = 1	26.25	2.25	1.56	790	1.44	2.07
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	47.18	1.75	0.99	780	1.77	3.12
Number of repeated courses	QETCSRPT (mean)	0.88	0.15	0.08	790	1.92	3.68
Remedial courses: number taken	QETOTR (mean)	0.50	0.11	0.06	790	1.82	3.33
Total non-course credits	QBTLNCCR (mean)	3.32	0.46	0.26	770	1.77	3.13
Total AP credits awarded by institution	QBTLAPCR (mean)	2.57	0.36	0.23	770	1.59	2.53
Military training/experience course credit	QBNMMLCR (mean)	#	†	†	790	†	†
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	13.82	1.71	0.98	710	1.74	3.02
First year enrollment: credits earned	QE1STERN (mean)	28.99	0.53	0.36	780	1.46	2.12
Per-year average: credits earned	QEAVGERN (mean)	27.39	0.43	0.26	780	1.66	2.77
Fine arts, including graphic arts and design: credits earned	QEFAERERN (mean)	6.59	0.94	0.55	790	1.71	2.92
Nursing: credits earned	QENRSERN (mean)	2.17	0.56	0.37	790	1.51	2.27
Study abroad: credits earned	QESABERN (mean)	0.68	0.21	0.15	790	1.37	1.86
STEM: credits earned	QUESTMERN (mean)	39.23	2.22	1.30	790	1.71	2.92
Non-STEM: credits earned	QENSTERN (mean)	82.68	2.27	1.37	790	1.66	2.74
First-second years: credits earned	QE12ERN (mean)	56.81	0.93	0.59	780	1.59	2.52
Computer science: credits attempted	QECSATT (mean)	4.55	0.55	0.37	790	1.49	2.23
Student teaching: credits attempted	QESTTATT (mean)	0.15	0.05	0.04	790	1.37	1.89
Non-science & engineering: number taken	QENSENUM (mean)	34.36	0.77	0.44	790	1.73	3.00
Science & engineering: number taken	QESERNUM (mean)	9.34	0.67	0.40	790	1.67	2.78
Sports/PE/recreation: GPA	QESPRTGPA (mean)	3.64	0.09	0.05	180	1.73	2.99
Social sciences: GPA	QESSCGPA (mean)	3.18	0.04	0.02	720	1.62	2.63
GPA in fourth year of attendance	QEYR4GPA (mean)	3.27	0.04	0.02	590	1.61	2.58
Summary statistics							
Mean	†		†	†	†	1.58	2.62
Minimum	†		†	†	†	0.06	#
25th percentile	†		†	†	†	1.51	2.27
Median	†		†	†	†	1.66	2.77
75th percentile	†		†	†	†	1.73	3.00
Maximum	†		†	†	†	1.92	3.68

† Not applicable.

Rounds to zero.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-31. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for Other students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	43.64	1.01	0.67	430	1.50	2.26
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	22.13	3.69	2.04	410	1.81	3.27
NPSAS bachelor's degree was with honors	QFHDGHON = 1	24.30	3.47	2.07	430	1.68	2.82
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	48.83	2.81	1.87	420	1.50	2.25
Number of repeated courses	QETCSRPT (mean)	0.49	0.11	0.10	430	1.15	1.33
Remedial courses: number taken	QETOTR (mean)	0.47	0.08	0.06	430	1.35	1.82
Total non-course credits	QBTLNCCR (mean)	2.06	0.44	0.36	420	1.24	1.53
Total AP credits awarded by institution	QBTLAPCR (mean)	1.05	0.22	0.17	420	1.33	1.77
Military training/experience course credit	QBNMMLCR (mean)	0.36	0.23	0.21	420	1.10	1.22
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	16.20	2.21	1.37	390	1.62	2.61
First year enrollment: credits earned	QE1STERN (mean)	27.04	0.58	0.44	420	1.33	1.76
Per-year average: credits earned	QEAVGERN (mean)	26.92	0.49	0.32	420	1.54	2.36
Fine arts, including graphic arts and design: credits earned	QEFAERERN (mean)	8.91	1.37	0.86	420	1.60	2.56
Nursing: credits earned	QENRSERN (mean)	2.01	0.89	0.50	430	1.79	3.20
Study abroad: credits earned	QESABERN (mean)	0.45	0.21	0.14	420	1.54	2.38
STEM: credits earned	QUESTMERN (mean)	23.64	1.58	1.15	420	1.37	1.88
Non-STEM: credits earned	QENSTERN (mean)	95.94	2.35	1.53	420	1.53	2.35
First-second years: credits earned	QE12ERN (mean)	53.77	1.22	0.81	420	1.52	2.30
Computer science: credits attempted	QECSATT (mean)	3.19	0.54	0.38	430	1.42	2.02
Student teaching: credits attempted	QESEATT (mean)	0.43	0.13	0.11	430	1.18	1.40
Non-science & engineering: number taken	QENSENUM (mean)	37.94	1.01	0.63	430	1.61	2.59
Science & engineering: number taken	QESENNUM (mean)	5.00	0.44	0.34	430	1.32	1.73
Sports/PE/recreation: GPA	QESPPTGPA (mean)	3.58	0.06	0.04	150	1.34	1.79
Social sciences: GPA	QESSCGPA (mean)	3.22	0.05	0.03	380	1.43	2.05
GPA in fourth year of attendance	QEYR4GPA (mean)	3.27	0.06	0.04	280	1.63	2.66
Summary statistics							
Mean	†		†	†	†	1.46	2.16
Minimum	†		†	†	†	1.10	1.22
25th percentile	†		†	†	†	1.33	1.77
Median	†		†	†	†	1.50	2.25
75th percentile	†		†	†	†	1.60	2.56
Maximum	†		†	†	†	1.81	3.27

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-32. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for Male students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	45.31	0.33	0.20	5,100	1.66	2.76
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	28.53	0.86	0.64	4,990	1.34	1.80
NPSAS bachelor's degree was with honors	QFHDGHON = 1	23.32	1.05	0.59	5,130	1.79	3.19
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	49.93	0.72	0.41	5,060	1.75	3.06
Number of repeated courses	QETCSRPT (mean)	0.71	0.04	0.03	5,100	1.34	1.79
Remedial courses: number taken	QETOTR (mean)	0.43	0.02	0.01	5,100	1.71	2.91
Total non-course credits	QBTLNCCR (mean)	2.44	0.15	0.10	4,990	1.49	2.22
Total AP credits awarded by institution	QBTLAPCR (mean)	1.28	0.09	0.07	5,040	1.40	1.96
Military training/experience course credit	QBNMMLCR (mean)	0.25	0.09	0.04	5,080	2.00	3.98
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	14.79	0.63	0.40	4,610	1.57	2.46
First year enrollment: credits earned	QE1STERN (mean)	27.90	0.20	0.14	5,030	1.43	2.04
Per-year average: credits earned	QEAVGERN (mean)	26.73	0.14	0.11	5,030	1.33	1.77
Fine arts, including graphic arts and design: credits earned	QEFAERERN (mean)	7.03	0.32	0.22	5,090	1.45	2.09
Nursing: credits earned	QENRSERN (mean)	0.56	0.09	0.08	5,100	1.18	1.40
Study abroad: credits earned	QESABERN (mean)	0.55	0.06	0.04	5,090	1.57	2.47
STEM: credits earned	QUESTMERN (mean)	32.33	0.50	0.48	5,080	1.05	1.11
Non-STEM: credits earned	QENSTERN (mean)	90.49	0.67	0.50	5,080	1.34	1.80
First-second years: credits earned	QE12ERN (mean)	54.65	0.35	0.25	5,020	1.38	1.90
Computer science: credits attempted	QECSATT (mean)	4.86	0.19	0.15	5,080	1.23	1.51
Student teaching: credits attempted	QESTTATT (mean)	0.29	0.03	0.03	5,090	1.32	1.74
Non-science & engineering: number taken	QENSENUM (mean)	38.32	0.32	0.20	5,100	1.62	2.61
Science & engineering: number taken	QESERNUM (mean)	6.39	0.13	0.13	5,100	1.04	1.09
Sports/PE/recreation: GPA	QESPTGPA (mean)	3.60	0.02	0.01	1,800	1.60	2.54
Social sciences: GPA	QESSCGPA (mean)	3.11	0.02	0.01	4,630	1.68	2.82
GPA in fourth year of attendance	QEYR4GPA (mean)	3.19	0.02	0.01	3,600	1.73	3.00
Summary statistics							
Mean	†		†	†	†	1.48	2.24
Minimum	†		†	†	†	1.04	1.09
25th percentile	†		†	†	†	1.34	1.79
Median	†		†	†	†	1.45	2.09
75th percentile	†		†	†	†	1.66	2.76
Maximum	†		†	†	†	2.00	3.98

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table I-33. Design effects for selected variables using the B&B:08/12 transcript panel weight (WTF000) for Female students: 2012

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT ¹	DEFF ²
Total number of undergraduate courses	QEUGCRS (mean)	44.19	0.30	0.16	7,380	1.83	3.34
NPSAS bachelor's degree field of study: business	QF11FBAC = 9	19.01	0.64	0.46	7,260	1.39	1.94
NPSAS bachelor's degree was with honors	QFHDGHON = 1	32.19	0.82	0.54	7,440	1.52	2.31
Elapsed time from entry to NPSAS bachelor's degree	QDFA2BCH (mean)	48.81	0.63	0.39	7,340	1.60	2.57
Number of repeated courses	QETCSRPT (mean)	0.53	0.02	0.02	7,380	1.09	1.18
Remedial courses: number taken	QETOTR (mean)	0.52	0.03	0.01	7,380	1.83	3.34
Total non-course credits	QBTLNCCR (mean)	1.88	0.11	0.07	7,300	1.52	2.32
Total AP credits awarded by institution	QBTLAPCR (mean)	0.99	0.06	0.04	7,350	1.38	1.91
Military training/experience course credit	QBNMMLCR (mean)	0.05	0.02	0.01	7,380	1.57	2.48
Transfer credits accepted by NPSAS institution	QETRNACC (mean)	17.62	0.60	0.35	6,770	1.71	2.92
First year enrollment: credits earned	QE1STERN (mean)	27.80	0.18	0.11	7,280	1.55	2.41
Per-year average: credits earned	QEAVGERN (mean)	26.98	0.13	0.09	7,280	1.45	2.11
Fine arts, including graphic arts and design: credits earned	QEFAERN (mean)	8.14	0.28	0.19	7,360	1.46	2.14
Nursing: credits earned	QENRSERN (mean)	3.55	0.19	0.15	7,380	1.23	1.52
Study abroad: credits earned	QESABERN (mean)	0.86	0.07	0.04	7,360	1.45	2.12
STEM: credits earned	QUESTMERN (mean)	21.56	0.38	0.25	7,360	1.49	2.22
Non-STEM: credits earned	QENSTERN (mean)	99.81	0.59	0.36	7,370	1.67	2.78
First-second years: credits earned	QE12ERN (mean)	55.01	0.32	0.20	7,280	1.62	2.62
Computer science: credits attempted	QECSATT (mean)	2.08	0.08	0.06	7,370	1.36	1.85
Student teaching: credits attempted	QESTTATT (mean)	1.04	0.05	0.04	7,360	1.20	1.43
Non-science & engineering: number taken	QENSENUM (mean)	38.78	0.26	0.16	7,380	1.64	2.68
Science & engineering: number taken	QESERNUM (mean)	4.84	0.11	0.08	7,380	1.38	1.91
Sports/PE/recreation: GPA	QESPTEGPA (mean)	3.65	0.02	0.01	2,660	1.62	2.62
Social sciences: GPA	QESSCGPA (mean)	3.22	0.01	0.01	6,760	1.66	2.76
GPA in fourth year of attendance	QEYR4GPA (mean)	3.35	0.01	0.01	5,030	1.67	2.79
Summary statistics							
Mean	†		†	†	†	1.52	2.33
Minimum	†		†	†	†	1.09	1.18
25th percentile	†		†	†	†	1.39	1.94
Median	†		†	†	†	1.52	2.32
75th percentile	†		†	†	†	1.64	2.68
Maximum	†		†	†	†	1.83	3.34

† Not applicable.

¹DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical).²DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

NOTE: Responses that include logical skips, not applicable, missing, unknown, or multiple possible answers were excluded from analysis.

NPSAS = National Postsecondary Student Aid Study. AP = advanced placement. PE = physical education. GPA = grade point average.

STEM = Science, Technology, Engineering, and Mathematics. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Appendix J

Nonresponse Bias Analysis

Table J-1. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students overall: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment		After nonresponse adjustment			
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Institution type										
Public	8,450	1,430	63.83	59.38	1.02	1.62	1.02	1.62	62.81	62.81
Private nonprofit	5,390	960	31.64	36.34	-1.08*	-3.30	-1.08	-3.30	32.72	32.72
For-profit	720	170	4.53	4.27	0.06	1.32	0.06	1.32	4.47	4.47
Institution region⁶										
New England	720	160	6.79	7.29	-0.12	-1.67	-0.12	-1.67	6.91	6.91
Mideast	2,500	550	16.39	21.25	-1.12*	-6.37	-1.12*	-6.37	17.50	17.50
Great Lakes	2,330	340	16.72	13.02	0.85*	5.35	0.85*	5.35	15.87	15.87
Plains	1,880	270	8.43	8.45	-0.01	-0.07	-0.01	-0.07	8.43	8.43
Southeast	3,340	580	24.79	23.74	0.24	0.98	0.24	0.98	24.55	24.55
Southwest	1,170	230	9.29	9.60	-0.07	-0.78	-0.07	-0.78	9.36	9.36
Rocky Mountains	720	70	4.27	2.58	0.39	9.96	0.39	9.96	3.88	3.88
Far West	1,720	320	11.94	12.57	-0.14	-1.19	-0.14	-1.19	12.09	12.09
Outlying areas	190	50	1.38	1.49	-0.02	-1.77	-0.02	-1.77	1.41	1.41
Institution total enrollment⁷										
4,760 or less	3,640	640	21.25	19.91	0.31	1.47	0.31	1.47	20.94	20.94
4,761–13,042	3,590	690	19.89	25.22	-1.22*	-5.79	-1.22*	-5.79	21.12	21.12
13,043–27,210	3,670	650	26.53	28.65	-0.49	-1.80	-0.49	-1.80	27.02	27.02
27,211 or more	3,670	570	32.33	26.22	1.40*	4.53	1.40*	4.53	30.93	30.93
Pell Grant status										
Received	5,780	940	25.95	22.74	0.73	2.91	0.73	2.91	25.21	25.21
Did not receive	8,780	1,620	74.05	77.26	-0.73	-0.98	-0.73	-0.98	74.79	74.79
Total Pell Grant amount received⁷										
\$1,580 or less	1,480	210	25.94	32.15	-1.29	-4.70	-1.29	-4.72	27.23	27.23
\$1,581–\$2,695	1,420	250	26.26	24.26	0.41	1.60	0.41	1.60	25.84	25.84
\$2,696–\$4,310	1,420	220	21.91	19.07	0.59	2.76	0.59	2.76	21.33	21.33
\$4,311 or more	1,460	260	25.89	24.51	0.29	1.11	0.29	1.11	25.60	25.60
Stafford Loan status										
Received	8,080	1,370	50.32	43.70	1.52*	3.11	1.52*	3.11	48.80	48.80
Did not receive	6,480	1,180	49.68	56.30	-1.52*	-2.97	-1.52*	-2.97	51.20	51.20

See notes at end of table.

Table J-1. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students overall: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Total Stafford Loan amount received ⁷													
\$4,410 or less	2,050	320	23.65	24.73	-0.22	-0.93	-0.22	-0.93	23.87	23.87	#	#	
\$4,411–\$5,500	3,900	620	48.25	42.12	1.26	2.69	1.26	2.68	46.99	46.99	#	#	
\$5,501–\$6,498	180	30	2.00	3.28	-0.26	-11.50	-0.26	-11.66	2.26	2.26	#	#	
\$6,499 or more	1,960	400	26.11	29.88	-0.77	-2.87	-0.77	-2.88	26.88	26.88	#	#	
Total PLUS amount received ⁷													
\$5,000 or less	230	40	24.97	10.99	2.87*	13.20	2.87*	13.00	22.10	22.10	#	#	
\$5,001–\$9,396	210	50	20.94	36.95	-3.29	-13.36	-3.29	-13.57	24.23	24.23	#	#	
\$9,397–\$14,000	220	40	26.95	29.16	-0.45	-1.65	-0.45	-1.66	27.41	27.41	#	#	
\$14,001 or more	230	40	27.13	22.90	0.87	3.32	0.87	3.31	26.26	26.26	#	#	
Federal aid status													
Received	9,990	1,640	58.91	50.46	1.94*	3.40	1.94*	3.40	56.97	56.97	#	#	
Did not receive	4,570	920	41.09	49.54	-1.94*	-4.50	-1.94*	-4.50	43.03	43.03	#	#	
Institution aid status													
Received	7,580	1,100	42.30	30.65	2.67*	6.75	2.67*	6.75	39.63	39.63	#	#	
Did not receive	6,980	1,450	57.70	69.35	-2.67*	-4.43	-2.67*	-4.43	60.37	60.37	#	#	
State aid status													
Received	5,930	860	29.55	20.01	2.19*	8.00	2.19*	8.00	27.36	27.36	#	#	
Did not receive	8,630	1,700	70.45	79.99	-2.19*	-3.01	-2.19*	-3.01	72.64	72.64	#	#	
Any aid status													
Received	12,460	2,040	78.03	64.19	3.17*	4.24	3.17*	4.24	74.85	74.85	#	#	
Did not receive	2,100	520	21.97	35.81	-3.17*	-12.62	-3.17*	-12.62	25.15	25.15	#	#	
Major													
Liberal arts	1,790	340	12.95	12.80	0.03	0.25	0.03	0.25	12.91	12.62	-0.30	-2.29	
Psychology/history	1,800	260	14.19	9.29	1.12*	8.61	1.12*	8.61	13.06	13.81	0.75*	5.73	
Biology	2,360	320	9.25	7.42	0.42	4.77	0.42	4.77	8.83	9.08	0.25	2.79	
Physical sciences	400	60	1.58	1.97	-0.09	-5.45	-0.09	-5.45	1.67	1.51	-0.16	-9.60	
Mathematics and statistics	300	40	0.84	1.14	-0.07	-7.49	-0.07	-7.49	0.91	0.76	-0.15	-16.56	
Computer and information sciences	620	110	2.12	3.37	-0.29	-11.96	-0.29	-11.96	2.41	2.19	-0.22	-8.96	

See notes at end of table.

Table J-1. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students overall: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Major—Continued													
Engineering	1,030	170	5.47	4.45	0.23	4.46	0.23	4.46	5.24	5.41	0.18	3.41	
Education	1,000	160	6.33	4.87	0.34*	5.59	0.34*	5.59	6.00	6.26	0.27	4.48	
Business	1,570	360	18.43	24.33	-1.35*	-6.84	-1.35*	-6.84	19.78	18.96	-0.83	-4.18	
Health professions	930	140	6.30	6.16	0.03	0.51	0.03	0.51	6.27	6.40	0.13	2.12	
Social sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Agricultural sciences	1,470	320	11.34	11.59	-0.06	-0.50	-0.06	-0.50	11.40	11.40	#	#	
Missing/unknown	1,240	250	10.79	11.86	-0.25	-2.23	-0.25	-2.23	11.03	11.19	0.16	1.43	
Gender													
Male	5,970	1,170	41.27	49.29	-1.84*	-4.27	-1.82*	-4.22	43.08	41.86	-1.22*	-2.83	
Female	8,590	1,380	58.73	50.71	1.84*	3.23	1.82*	3.19	56.92	58.14	1.22*	2.14	
Age													
17–23	9,890	1,580	67.60	57.83	2.24*	3.43	2.22*	3.40	65.38	65.71	0.32	0.49	
24 or older	4,670	970	32.40	42.17	-2.24*	-6.47	-2.22*	-6.41	34.62	34.29	-0.32	-0.93	
CPS match													
Match	10,080	1,620	58.73	48.76	2.29*	4.05	2.29*	4.05	56.44	56.10	-0.35	-0.61	
Did not match	4,480	940	41.27	51.24	-2.29*	-5.25	-2.29*	-5.25	43.56	43.90	0.35	0.79	

¹ Rounds to zero.² Row is suppressed. Contains less than five unweighted nonrespondents.^{*} $p < .05$ ¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).⁴ Base weight, adjusted for subsampling and nonresponse.⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-2. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students in public institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Institution region ⁶													
New England	200	30	3.72	3.17	0.12	3.34	0.12	3.34	3.60	3.65	0.04	1.24	
Mideast	1,250	280	12.91	17.24	-0.94*	-6.77	-0.94*	-6.77	13.85	13.79	-0.06	-0.43	
Great Lakes	1,320	190	17.31	14.81	0.54	3.24	0.54	3.24	16.77	16.81	0.05	0.28	
Plains	1,080	150	7.80	7.16	0.14	1.80	0.14	1.80	7.66	7.79	0.13	1.74	
Southeast	2,050	360	28.05	27.08	0.21	0.75	0.21	0.75	27.84	27.64	-0.19	-0.70	
Southwest	790	140	10.40	11.33	-0.20	-1.90	-0.20	-1.90	10.60	10.73	0.13	1.21	
Rocky Mountains	430	40	4.63	3.09	0.33	7.78	0.33	7.78	4.29	4.23	-0.06	-1.43	
Far West	1,260	210	14.26	15.58	-0.29	-1.98	-0.29	-1.98	14.54	14.44	-0.1	-0.72	
Outlying areas	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Institution total enrollment ⁷													
11,664 or less	2,130	380	19.38	20.12	-0.16	-0.82	-0.16	-0.82	19.54	19.86	0.32	1.65	
11,665–20,095	2,080	370	23.60	26.48	-0.63	-2.58	-0.63	-2.58	24.22	24.22	#	#	
20,096–31,916	2,140	330	26.04	23.59	0.53	2.09	0.53	2.09	25.51	26.49	0.99	3.87	
31,917 or more	2,110	350	30.99	29.82	0.25	0.83	0.25	0.83	30.73	29.42	-1.31*	-4.26	
Pell Grant status													
Received	3,450	540	26.99	24.40	0.56	2.13	0.56	2.13	26.43	26.02	-0.41	-1.53	
Did not receive	5,000	890	73.01	75.60	-0.56	-0.76	-0.56	-0.76	73.57	73.98	0.41	0.55	
Total Pell Grant amount received ⁷													
\$1,560 or less	900	120	26.52	30.77	-0.85	-3.10	-0.85	-3.11	27.37	28.55	1.17	4.28	
\$1,561–\$2,660	860	160	25.73	25.70	0.01	0.03	0.01	0.03	25.73	25.47	-0.25	-0.98	
\$2,661–\$4,310	840	120	22.36	17.95	0.88	4.12	0.88	4.11	21.48	22.04	0.56	2.62	
\$4,311 or more	860	140	25.39	25.57	-0.04	-0.15	-0.04	-0.15	25.43	23.94	-1.48	-5.84	
Stafford Loan status													
Received	4,300	710	44.71	38.70	1.30*	3.00	1.30*	3.00	43.41	43.43	0.02	0.06	
Did not receive	4,150	720	55.29	61.30	-1.30*	-2.30	-1.30*	-2.30	56.59	56.57	-0.02	-0.04	
Total Stafford Loan amount received ⁷													
\$3,764 or less	1,080	170	23.25	25.82	-0.50	-2.09	-0.50	-2.09	23.75	23.48	-0.26	-1.11	
\$3,765–\$5,500	2,140	320	49.94	41.53	1.63*	3.38	1.63*	3.36	48.31	49.01	0.70	1.44	
\$5,501–\$5,946	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
\$5,947 or more	1,040	210	26.08	32.17	-1.18	-4.30	-1.18	-4.32	27.26	26.69	-0.57	-2.11	

See notes at end of table.

Table J-2. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students in public institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Total PLUS amount received ⁷													
\$4,488 or less	#	#	#	#	#	#	#	#	#	#	#	#	#
\$4,489–\$7,453	#	#	#	#	#	#	#	#	#	#	#	#	#
\$7,454–\$12,000	#	#	#	#	#	#	#	#	#	#	#	#	#
\$12,001 or more	#	#	#	#	#	#	#	#	#	#	#	#	#
Federal aid status													
Received	5,530	890	53.66	46.95	1.46*	2.79	1.46*	2.79	52.20	51.72	-0.48	-0.92	
Did not receive	2,920	540	46.34	53.05	-1.46*	-3.05	-1.46*	-3.05	47.80	48.28	0.48	1.01	
Institution aid status													
Received	3,490	470	33.22	23.53	2.10*	6.76	2.10*	6.76	31.12	30.51	-0.60	-1.94	
Did not receive	4,970	960	66.78	76.47	-2.10*	-3.05	-2.10*	-3.05	68.88	69.49	0.60	0.88	
State aid status													
Received	3,470	460	29.85	18.69	2.42*	8.82	2.42*	8.82	27.43	27.56	0.13	0.48	
Did not receive	4,980	970	70.15	81.31	-2.42*	-3.33	-2.42*	-3.33	72.57	72.44	-0.13	-0.18	
Any aid status													
Received	6,900	1,080	73.33	60.21	2.85*	4.04	2.85*	4.04	70.48	69.97	-0.51	-0.72	
Did not receive	1,560	350	26.67	39.79	-2.85*	-9.64	-2.85*	-9.64	29.52	30.03	0.51	1.73	
Major													
Liberal arts	980	170	11.75	12.37	-0.14	-1.14	-0.14	-1.14	11.88	11.23	-0.65	-5.49	
Psychology/history	1,180	160	15.15	9.57	1.21*	8.69	1.21*	8.69	13.94	14.93	0.99*	7.09	
Biology	1,390	190	10.06	8.40	0.36	3.71	0.36	3.71	9.70	10.22	0.51	5.28	
Physical sciences	230	40	1.90	1.94	-0.01	-0.39	-0.01	-0.39	1.91	1.88	-0.03	-1.38	
Mathematics and statistics	#	#	#	#	#	#	#	#	#	#	#	#	
Computer and information sciences	260	40	1.54	2.89	-0.29	-16.02	-0.29	-16.02	1.83	1.55	-0.28	-15.43	
Engineering	740	130	6.92	5.52	0.30	4.59	0.30	4.59	6.62	6.68	0.06	0.93	
Education	660	100	7.19	5.85	0.29	4.20	0.29	4.20	6.90	7.14	0.24	3.47	
Business	710	170	16.22	22.78	-1.42*	-8.06	-1.42*	-8.06	17.64	16.77	-0.88	-4.96	
Health professions	550	80	5.70	6.11	-0.09	-1.51	-0.09	-1.51	5.79	5.78	-0.01	-0.13	
Social sciences	#	#	#	#	#	#	#	#	#	#	#	#	
Agricultural sciences	920	190	12.36	13.34	-0.21	-1.69	-0.21	-1.69	12.58	12.23	-0.35	-2.79	
Missing/unknown	650	120	9.96	9.96	#	#	#	#	9.96	10.48	0.51	5.14	

See notes at end of table.

Table J-2. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students in public institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Gender													
Male	3,560	670	42.66	50.41	-1.68*	-3.79	-1.66*	-3.75	44.33	43.06	-1.27	-2.86	
Female	4,900	760	57.34	49.59	1.68*	3.02	1.66*	2.99	55.67	56.94	1.27	2.28	
Age													
17–23	5,720	880	68.48	59.36	1.98*	2.97	1.97*	2.97	66.51	66.56	0.05	0.08	
24 or older	2,730	550	31.52	40.64	-1.98*	-5.91	-1.97*	-5.89	33.49	33.44	-0.05	-0.15	
CPS match													
Match	5,560	850	54.03	44.18	2.14*	4.12	2.14*	4.12	51.89	51.33	-0.56	-1.09	
Did not match	2,900	580	45.97	55.82	-2.14*	-4.44	-2.14*	-4.44	48.11	48.67	0.56	1.17	

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$ ¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).⁴ Base weight, adjusted for subsampling and nonresponse.⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-3. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Institution region ⁶													
New England	520	130	13.95	14.89	-0.24	-1.69	-0.24	-1.69	14.19	14.10	-0.09	-0.61	
Mideast	1,110	230	24.91	28.10	-0.81	-3.16	-0.81	-3.16	25.72	26.31	0.58	2.26	
Great Lakes	900	130	15.59	11.46	1.05	7.23	1.05	7.23	14.54	14.16	-0.38	-2.58	
Plains	700	100	10.14	10.70	-0.14	-1.37	-0.14	-1.37	10.28	9.92	-0.37	-3.57	
Southeast	1,160	200	19.16	19.49	-0.08	-0.43	-0.08	-0.43	19.25	19.29	0.04	0.23	
Southwest	280	50	3.95	3.75	0.05	1.31	0.05	1.31	3.89	4.02	0.12	3.11	
Rocky Mountains	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Far West	380	80	7.08	7.21	-0.04	-0.49	-0.04	-0.49	7.11	7.15	0.04	0.50	
Outlying areas	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Institution total enrollment ⁷													
2,507 or less	1,350	230	30.03	24.71	1.36	4.73	1.36	4.73	28.67	29.05	0.38	1.33	
2,508–4,876	1,370	220	21.97	19.71	0.57	2.69	0.57	2.69	21.39	21.09	-0.30	-1.40	
4,877–11,571	1,320	270	21.39	25.39	-1.02	-4.55	-1.02	-4.55	22.41	23.00	0.59	2.64	
11,572 or more	1,350	230	26.62	30.19	-0.91	-3.31	-0.91	-3.31	27.53	26.86	-0.67	-2.44	
Pell Grant status													
Received	1,990	320	24.92	19.40	1.41*	5.98	1.41*	5.98	23.52	24.73	1.21	5.16	
Did not receive	3,400	630	75.08	80.60	-1.41*	-1.84	-1.41*	-1.84	76.48	75.27	-1.21	-1.59	
Total Pell Grant amount received ⁷													
\$1,660 or less	530	80	25.72	40.65	-3.14*	-10.64	-3.14	-10.88	28.86	25.52	-3.34	-11.56	
\$1,661–\$2,860	490	80	27.57	15.83	2.47*	10.04	2.47*	9.83	25.10	26.52	1.42	5.68	
\$2,861–\$4,310	470	70	19.15	18.03	0.24	1.25	0.24	1.25	18.92	18.31	-0.61	-3.21	
\$4,311 or more	500	100	27.57	25.49	0.44	1.62	0.44	1.61	27.13	29.65	2.52	9.29	
Stafford Loan status													
Received	3,280	550	59.41	49.87	2.43*	4.26	2.43*	4.26	56.98	57.41	0.43	0.76	
Did not receive	2,110	400	40.59	50.13	-2.43*	-5.65	-2.43*	-5.65	43.02	42.59	-0.43	-1.00	
Total Stafford Loan amount received ⁷													
\$5,500 or less	2,480	390	74.60	65.30	2.08	2.87	2.08	2.86	72.53	72.57	0.05	0.06	
\$5,501–\$5,541	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
\$5542 or more	790	170	25.02	34.70	-2.16	-7.85	-2.16	-7.94	27.18	26.75	-0.43	-1.58	

See notes at end of table.

Table J-3. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non- respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment			
			Respondent	Non- respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²
					Esti- mated bias ¹	Rela- tive bias ²	Esti- mated bias ³	Rela- tive bias ²	Full sample, base weighted	Respon- dents, non- response adjusted ⁴		
Total PLUS amount received⁷												
\$6,225 or less	#	#	#	#	#	#	#	#	#	#	#	#
\$6,226–\$11,000	#	#	#	#	#	#	#	#	#	#	#	#
\$11,001–\$16,096	#	#	#	#	#	#	#	#	#	#	#	#
\$16,097 or more	#	#	#	#	#	#	#	#	#	#	#	#
Federal aid status												
Received	3,890	630	67.64	54.64	3.31*	5.15	3.31*	5.15	64.33	65.78	1.45	2.26
Did not receive	1,500	330	32.36	45.36	-3.31*	-9.29	-3.31*	-9.29	35.67	34.22	-1.45	-4.07
Institution aid status												
Received	3,890	600	65.25	44.28	5.34*	8.92	5.34*	8.92	59.91	61.17	1.26	2.10
Did not receive	1,500	350	34.75	55.72	-5.34*	-13.33	-5.34*	-13.33	40.09	38.83	-1.26	-3.14
State aid status												
Received	2,270	360	31.82	21.59	2.61*	8.92	2.61*	8.92	29.21	29.64	0.43	1.47
Did not receive	3,120	600	68.18	78.41	-2.61*	-3.68	-2.61*	-3.68	70.79	70.36	-0.43	-0.61
Any aid status												
Received	4,920	810	86.24	70.25	4.08*	4.96	4.08*	4.96	82.17	83.18	1.02	1.24
Did not receive	470	140	13.76	29.75	-4.08*	-22.85	-4.08*	-22.85	17.83	16.82	-1.02	-5.71
Major												
Liberal arts	660	120	16.45	13.63	0.72	4.56	0.72	4.56	15.73	16.26	0.53	3.39
Psychology/history	610	100	14.19	9.91	1.09	8.32	1.09	8.32	13.10	13.49	0.39	2.98
Biology	950	130	8.78	6.59	0.56	6.77	0.56	6.77	8.22	7.97	-0.25	-3.09
Physical sciences	#	#	#	#	#	#	#	#	#	#	#	#
Mathematics and statistics	#	#	#	#	#	#	#	#	#	#	#	#
Computer and information												
sciences	220	50	1.77	3.47	-0.43	-19.76	-0.43	-19.76	2.20	2.00	-0.2	-9.27
Engineering	270	40	3.28	3.23	0.01	0.42	0.01	0.42	3.27	3.69	0.42	12.76
Education	340	60	5.51	3.83	0.43	8.39	0.43	8.39	5.08	5.44	0.36	7.11
Business	700	150	19.89	23.64	-0.96	-4.58	-0.96	-4.58	20.85	20.48	-0.37	-1.78
Health professions	350	50	6.28	6.49	-0.05	-0.81	-0.05	-0.81	6.34	6.40	0.06	1.01
Social sciences	#	#	#	#	#	#	#	#	#	#	#	#
Agricultural sciences	410	100	9.74	8.56	0.30	3.18	0.30	3.18	9.44	10.19	0.74	7.87
Missing/unknown	530	110	11.48	15.24	-0.96	-7.72	-0.96	-7.72	12.44	11.68	-0.75	-6.07

See notes at end of table.

Table J-3. Student nonresponse bias for analysis weight 1 (bookend) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment		After nonresponse adjustment			
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Gender										
Male	2,100	430	38.53	46.86	-2.12*	-5.22	-2.08*	-5.13	40.61	39.32
Female	3,290	530	61.47	53.14	2.12*	3.58	2.08*	3.51	59.39	60.68
Age										
17–23	4,010	650	73.70	60.61	3.33*	4.74	3.26*	4.63	70.43	71.40
24 or older	1,380	300	26.30	39.39	-3.33*	-11.25	-3.26*	-11.04	29.57	28.60
CPS match										
Match	3,950	640	66.12	55.04	2.82*	4.46	2.82*	4.46	63.29	63.76
Did not match	1,440	320	33.88	44.96	-2.82*	-7.69	-2.82*	-7.69	36.71	36.24

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$

¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).

² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.

³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).

⁴ Base weight, adjusted for subsampling and nonresponse.

⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).

⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

⁷ Categories were defined by quartiles. Stafford Loan amount category was collapsed.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-4. Student nonresponse bias for analysis weight 1 (bookend) before n and after weight adjustments, by select variables for students in for-profit institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Institution region⁶										
New England	#	#	#	#	#	#	#	#	#	#
Mideast	140	40	5.83	18.79	-2.84	-32.75	-2.84	-32.75	8.68	5.25
Great Lakes	#	#	#	#	#	#	#	#	#	#
Plains	#	#	#	#	#	#	#	#	#	#
Southeast	#	#	#	#	#	#	#	#	#	#
Southwest	100	40	30.91	35.50	-1.01	-3.15	-1.01	-3.15	31.92	29.23
Rocky Mountains	#	#	#	#	#	#	#	#	#	#
Far West	#	#	#	#	#	#	#	#	#	#
Outlying areas	#	#	#	#	#	#	#	#	#	#
Institution total enrollment⁷										
1,972 or less	200	40	16.04	19.67	-0.80	-4.73	-0.80	-4.73	16.84	15.70
1,973–3,355	170	40	20.85	5.83	3.29	18.75	3.29	18.75	17.56	21.57
3,356–8,142	170	60	7.71	34.73	-5.92*	-43.45	-5.92*	-43.45	13.63	7.53
8,143 or more	180	40	55.40	39.77	3.43	6.59	3.43	6.59	51.98	55.21
Pell Grant status										
Received	350	80	18.44	28.17	-2.13	-10.37	-2.13	-10.37	20.58	17.39
Did not receive	370	90	81.56	71.83	2.13	2.69	2.13	2.69	79.42	82.61
Total Pell Grant amount received⁷										
\$1,480 or less	#	#	#	#	#	#	#	#	#	#
\$1,481–\$2,860	#	#	#	#	#	#	#	#	#	#
\$2,861–\$4,310	#	#	#	#	#	#	#	#	#	#
\$4,311 or more	#	#	#	#	#	#	#	#	#	#
Stafford Loan status										
Received	500	120	65.80	60.54	1.15	1.78	1.15	1.78	64.65	61.16
Did not receive	210	60	34.20	39.46	-1.15	-3.26	-1.15	-3.26	35.35	38.84
Total Stafford Loan amount received⁷										
\$3,938 or less	130	30	20.76	30.05	-1.91	-8.37	-1.91	-8.42	22.67	23.68
\$3,939–\$5,500	120	30	21.63	43.13	-4.42	-16.76	-4.42	-16.95	26.04	19.05
\$5,501–\$10,500	250	50	40.64	26.82	2.84	7.55	2.84	7.51	37.81	43.00
\$10,501 or more	#	#	#	#	#	#	#	#	#	#

See notes at end of table.

Table J-4. Student nonresponse bias for analysis weight 1 (bookend) before n and after weight adjustments, by select variables for students in for-profit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non- respondents	Mean weighted		Before nonresponse adjustment		After nonresponse adjustment			
			Respondent	Non- respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
					Estimated bias ¹	Rela- tive bias ²	Estimated bias ³	Rela- tive bias ²	Full sample, base weighted	Respon- dents, non- response adjusted ⁴
Total PLUS amount received ⁷										
\$5,000 or less	#	#	#	#	#	#	#	#	#	#
\$5,001–\$8,253	#	#	#	#	#	#	#	#	#	#
\$8,254–\$11,737	#	#	#	#	#	#	#	#	#	#
\$11,738 or more	#	#	#	#	#	#	#	#	#	#
Federal aid status										
Received	560	130	71.87	63.77	1.78	2.53	1.78	2.53	70.09	66.23
Did not receive	150	40	28.13	36.23	-1.78	-5.94	-1.78	-5.94	29.91	33.77
Institution aid status										
Received	200	30	9.98	13.63	-0.8	-7.42	-0.80	-7.42	10.78	10.06
Did not receive	510	140	90.02	86.37	0.8	0.90	0.80	0.90	89.22	89.94
State aid status										
Received	200	40	9.53	24.81	-3.35	-26.03	-3.35	-26.03	12.88	7.89
Did not receive	520	130	90.47	75.19	3.35	3.85	3.35	3.85	87.12	92.11
Any aid status										
Received	650	140	86.84	67.90	4.15*	5.02	4.15*	5.02	82.69	82.41
Did not receive	#	#	#	#	#	#	#	#	#	#
Major										
Liberal arts	150	50	5.35	11.71	-1.39	-20.64	-1.39	-20.64	6.75	5.40
Psychology/history	#	#	#	#	#	#	#	#	#	#
Biology	#	#	#	#	#	#	#	#	#	#
Physical sciences	#	#	#	#	#	#	#	#	#	#
Mathematics and statistics	#	#	#	#	#	#	#	#	#	#
Computer and information sciences	#	#	#	#	#	#	#	#	#	#
Engineering	#	#	#	#	#	#	#	#	#	#
Education	#	#	#	#	#	#	#	#	#	#
Business	160	40	39.33	51.71	-2.71	-6.46	-2.71	-6.46	42.04	38.56
Health professions	#	#	#	#	#	#	#	#	#	#
Social sciences	#	#	#	#	#	#	#	#	#	#
Agricultural sciences	140	30	8.08	12.90	-1.06	-11.57	-1.06	-11.57	9.13	8.63
Missing/unknown	#	#	#	#	#	#	#	#	#	#

See notes at end of table.

Table J-4. Student nonresponse bias for analysis weight 1 (bookend) before n and after weight adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment			
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴		
Gender												
Male	310	80	40.79	54.03	-2.90	-6.64	-2.90	-6.64	43.70	43.71	0.01	0.02
Female	410	100	59.21	45.97	2.90	5.15	2.90	5.15	56.30	56.29	-0.01	-0.02
Age												
17–23	160	40	12.75	13.74	-0.22	-1.68	-0.22	-1.68	12.97	12.08	-0.89	-6.83
24 or older	550	130	87.25	86.26	0.22	0.25	0.22	0.25	87.03	87.92	0.89	1.02
CPS match												
Match	570	130	73.33	59.02	3.14	4.47	3.14	4.47	70.19	67.00	-3.19	-4.55
Did not match	150	40	26.67	40.98	-3.14	-10.52	-3.14	-10.52	29.81	33.00	3.19	10.70

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$

¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).

² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.

³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).

⁴ Base weight, adjusted for subsampling and nonresponse.

⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).

⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-5. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students overall: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Institution type													
Public	7,820	2,070	64.19	59.85	1.38*	2.19	1.38*	2.19	62.81	62.81	#	#	
Private nonprofit	5,020	1,330	31.85	34.60	-0.88	-2.68	-0.88	-2.68	32.72	32.72	#	#	
For-profit	660	230	3.97	5.54	-0.50	-11.19	-0.50	-11.19	4.47	4.47	#	#	
Institution region⁶													
New England	650	230	6.51	7.76	-0.40	-5.73	-0.40	-5.73	6.91	6.91	#	#	
Mideast	2,280	770	16.29	20.12	-1.22*	-6.95	-1.22*	-6.95	17.50	17.50	#	#	
Great Lakes	2,170	500	17.01	13.44	1.13*	7.14	1.13*	7.14	15.87	15.87	#	#	
Plains	1,750	390	8.45	8.41	0.01	0.15	0.01	0.15	8.43	8.43	#	#	
Southeast	3,090	840	24.66	24.32	0.11	0.44	0.11	0.44	24.55	24.55	#	#	
Southwest	1,090	310	9.04	10.03	-0.31	-3.36	-0.31	-3.36	9.36	9.36	#	#	
Rocky Mountains	680	110	4.40	2.77	0.52*	13.28	0.52*	13.28	3.88	3.88	#	#	
Far West	1,610	420	12.18	11.88	0.10	0.79	0.10	0.79	12.09	12.09	#	#	
Outlying areas	180	60	1.47	1.27	0.06	4.44	0.06	4.44	1.41	1.41	#	#	
Institution total enrollment⁷													
4,760 or less	3,390	890	21.07	20.65	0.13	0.64	0.13	0.64	20.94	20.94	#	#	
4,761–13,042	3,300	980	20.28	22.90	-0.83	-3.94	-0.83	-3.94	21.12	21.12	#	#	
13,043–27,210	3,410	900	26.76	27.57	-0.26	-0.96	-0.26	-0.96	27.02	27.02	#	#	
27,211 or more	3,390	850	31.88	28.87	0.96	3.10	0.96	3.10	30.93	30.93	#	#	
Pell Grant status													
Received	5,390	1,330	25.66	24.26	0.44	1.76	0.44	1.76	25.21	25.21	#	#	
Did not receive	8,100	2,290	74.34	75.74	-0.44	-0.59	-0.44	-0.59	74.79	74.79	#	#	
Total Pell Grant amount received⁷													
\$1,580 or less	1,390	310	26.91	27.94	-0.31	-1.15	-0.31	-1.15	27.23	27.23	#	#	
\$1,581–\$2,695	1,320	350	25.50	26.62	-0.34	-1.32	-0.34	-1.32	25.84	25.84	#	#	
\$2,696–\$4,310	1,330	310	22.27	19.19	0.94	4.42	0.94	4.41	21.33	21.33	#	#	
\$4,311 or more	1,350	370	25.32	26.25	-0.29	-1.12	-0.29	-1.12	25.60	25.60	#	#	
Stafford Loan status													
Received	7,490	1,960	50.40	45.36	1.60*	3.28	1.60*	3.28	48.80	48.80	#	#	
Did not receive	6,000	1,660	49.60	54.64	-1.60*	-3.12	-1.60*	-3.12	51.20	51.20	#	#	

See notes at end of table.

Table J-5. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students overall: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Total Stafford Loan amount received ⁷													
\$4,410 or less	1,900	460	23.80	24.04	-0.07	-0.29	-0.07	-0.29	23.87	23.87	#	#	
\$4,411–\$5,500	3,650	860	49.32	41.43	2.33*	4.98	2.33*	4.96	46.99	46.99	#	#	
\$5,501–\$6,498	160	50	1.88	3.17	-0.38	-16.70	-0.38	-16.92	2.26	2.26	#	#	
\$6,499 or more	1,780	590	25.01	31.36	-1.88*	-6.94	-1.88*	-6.98	26.88	26.88	#	#	
Total PLUS amount received ⁷													
\$5,000 or less	210	60	22.88	20.33	0.78	3.54	0.78	3.53	22.10	22.10	#	#	
\$5,001–\$9,396	200	60	22.49	28.17	-1.74	-7.14	-1.74	-7.16	24.23	24.23	#	#	
\$9,397–\$14,000	210	50	26.77	28.86	-0.64	-2.33	-0.64	-2.33	27.41	27.41	#	#	
\$14,001 or more	200	60	27.86	22.64	1.59	6.09	1.59	6.07	26.26	26.26	#	#	
Federal aid status													
Received	9,300	2,330	59.10	52.40	2.13*	3.74	2.13*	3.74	56.97	56.97	#	#	
Did not receive	4,200	1,300	40.90	47.60	-2.13*	-4.95	-2.13*	-4.95	43.03	43.03	#	#	
Institution aid status													
Received	7,120	1,560	43.37	31.60	3.74*	9.43	3.74*	9.43	39.63	39.63	#	#	
Did not receive	6,370	2,060	56.63	68.40	-3.74*	-6.19	-3.74*	-6.19	60.37	60.37	#	#	
State aid status													
Received	5,570	1,230	30.33	20.99	2.97*	10.84	2.97*	10.84	27.36	27.36	#	#	
Did not receive	7,920	2,400	69.67	79.01	-2.97*	-4.08	-2.97*	-4.08	72.64	72.64	#	#	
Any aid status													
Received	11,600	2,900	78.65	66.69	3.8*	5.07	3.80*	5.07	74.85	74.85	#	#	
Did not receive	1,890	730	21.35	33.31	-3.8*	-15.10	-3.80*	-15.10	25.15	25.15	#	#	
Major													
Liberal arts	1,640	480	12.70	13.36	-0.21	-1.62	-0.21	-1.62	12.91	12.22	-0.69	-5.38	
Psychology/history	1,660	400	14.65	9.66	1.58*	12.12	1.58*	12.12	13.06	14.23	1.17*	8.94	
Biology	2,220	460	9.66	7.05	0.83*	9.38	0.83*	9.38	8.83	9.60	0.77*	8.68	
Physical sciences	380	80	1.67	1.68	#	-0.20	#	-0.20	1.67	1.86	0.19	11.45	
Mathematics and statistics	280	60	0.88	0.98	-0.03	-3.66	-0.03	-3.66	0.91	0.83	-0.09	-9.39	
Computer and information sciences	590	150	2.04	3.20	-0.37	-15.37	-0.37	-15.37	2.41	2.17	-0.24	-9.77	

See notes at end of table.

Table J-5. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students overall: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Major—Continued													
Engineering	970	220	5.61	4.43	0.37	7.13	0.37	7.13	5.24	5.49	0.26	4.91	
Education	930	220	6.48	4.95	0.49*	8.16	0.49*	8.16	6.00	6.24	0.24	4.05	
Business	1,420	510	17.96	23.70	-1.82*	-9.22	-1.82*	-9.22	19.78	18.79	-1.00	-5.03	
Health professions	860	220	6.38	6.03	0.11	1.78	0.11	1.78	6.27	6.25	-0.02	-0.33	
Social sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Agricultural sciences	1,350	440	11.16	11.90	-0.23	-2.05	-0.23	-2.05	11.40	11.34	-0.06	-0.54	
Missing/unknown	1,130	360	10.38	12.45	-0.66	-5.96	-0.66	-5.96	11.03	10.56	-0.47	-4.26	
Gender													
Male	5,530	1,620	40.98	47.66	-2.12*	-4.92	-2.10*	-4.88	43.08	41.62	-1.46*	-3.40	
Female	7,970	2,000	59.02	52.34	2.12*	3.73	2.10*	3.69	56.92	58.38	1.46*	2.57	
Age													
17–23	9,230	2,240	68.77	58.04	3.41*	5.22	3.39*	5.19	65.38	66.41	1.03	1.57	
24 or older	4,260	1,380	31.23	41.96	-3.41*	-9.85	-3.39*	-9.79	34.62	33.59	-1.03	-2.97	
CPS match													
Match	9,410	2,280	59.27	50.38	2.82*	5.00	2.82*	5.00	56.44	55.82	-0.62	-1.10	
Did not match	4,080	1,340	40.73	49.62	-2.82*	-6.48	-2.82*	-6.48	43.56	44.18	0.62	1.43	

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$ ¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).⁴ Base weight, adjusted for subsampling and nonresponse.⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-6. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in public institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Institution region ⁶													
New England	180	60	3.49	3.87	-0.11	-3.18	-0.11	-3.18	3.60	3.54	-0.06	-1.66	
Mideast	1,140	400	12.74	16.42	-1.12*	-8.05	-1.12*	-8.05	13.85	13.83	-0.02	-0.16	
Great Lakes	1,230	280	17.77	14.45	1.01*	6.00	1.01*	6.00	16.77	16.99	0.23	1.37	
Plains	1,020	220	7.99	6.91	0.33	4.27	0.33	4.27	7.66	8.25	0.59	7.71	
Southeast	1,880	520	27.84	27.84	#	#	#	#	27.84	27.58	-0.25	-0.92	
Southwest	720	210	10.01	11.97	-0.59	-5.60	-0.59	-5.60	10.60	10.56	-0.04	-0.41	
Rocky Mountains	400	70	4.85	3.01	0.56*	12.96	0.56*	12.96	4.29	4.32	0.02	0.51	
Far West	1,170	300	14.36	14.96	-0.18	-1.23	-0.18	-1.23	14.54	14.04	-0.51	-3.48	
Outlying areas	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Institution total enrollment ⁷													
11,664 or less	1,960	560	19.41	19.82	-0.12	-0.63	-0.12	-0.63	19.54	19.50	-0.04	-0.21	
11,665–20,095	1,930	520	23.34	26.25	-0.88	-3.64	-0.88	-3.64	24.22	23.90	-0.32	-1.34	
20,096–31,916	1,990	480	26.68	22.81	1.17*	4.60	1.17*	4.60	25.51	27.78	2.27*	8.90	
31,917 or more	1,940	520	30.57	31.12	-0.17	-0.55	-0.17	-0.55	30.73	28.83	-1.91*	-6.20	
Pell Grant status													
Received	3,200	790	26.57	26.09	0.14	0.55	0.14	0.55	26.43	25.98	-0.45	-1.69	
Did not receive	4,610	1,280	73.43	73.91	-0.14	-0.20	-0.14	-0.20	73.57	74.02	0.45	0.61	
Total Pell Grant amount received ²													
\$1,560 or less	840	180	26.99	28.28	-0.39	-1.41	-0.39	-1.41	27.37	27.45	0.08	0.28	
\$1,561–\$2,660	800	220	25.82	25.51	0.09	0.35	0.09	0.35	25.73	27.25	1.53	5.94	
\$2,661–\$4,310	770	180	22.10	20.01	0.63	2.92	0.63	2.92	21.48	21.03	-0.45	-2.09	
\$4,311 or more	800	200	25.10	26.20	-0.33	-1.30	-0.33	-1.30	25.43	24.27	-1.16	-4.55	
Stafford Loan status													
Received	3,990	1,020	44.92	39.93	1.51*	3.48	1.51*	3.48	43.41	43.76	0.35	0.80	
Did not receive	3,830	1,050	55.08	60.07	-1.51*	-2.67	-1.51*	-2.67	56.59	56.24	-0.35	-0.62	
Total Stafford Loan amount received ⁷													
\$3,764 or less	1,010	250	22.99	25.70	-0.76	-3.17	-0.76	-3.18	23.75	22.99	-0.76	-3.20	
\$3,765–\$5,500	2,000	450	51.20	40.82	2.89*	6.02	2.89*	5.99	48.31	49.20	0.89	1.83	
\$5,501–\$5,946	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
\$5,947 or more	940	310	25.06	32.96	-2.2*	-8.00	-2.2*	-8.06	27.26	26.93	-0.34	-1.23	

See notes at end of table.

Table J-6. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in public institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Total PLUS amount received ⁷													
\$4,488 or less	#	#	#	#	#	#	#	#	#	#	#	#	#
\$4,489–\$7,453	#	#	#	#	#	#	#	#	#	#	#	#	#
\$7,454–\$12,000	#	#	#	#	#	#	#	#	#	#	#	#	#
\$12,001 or more	#	#	#	#	#	#	#	#	#	#	#	#	#
Federal aid status													
Received	5,150	1,270	54.14	47.73	1.94*	3.72	1.94*	3.72	52.20	52.31	0.11	0.20	
Did not receive	2,670	800	45.86	52.27	-1.94*	-4.06	-1.94*	-4.06	47.80	47.69	-0.11	-0.22	
Institution aid status													
Received	3,290	670	34.46	23.41	3.35*	10.75	3.35*	10.75	31.12	31.00	-0.11	-0.36	
Did not receive	4,530	1,400	65.54	76.59	-3.35*	-4.86	-3.35*	-4.86	68.88	69.00	0.11	0.16	
State aid status													
Received	3,260	680	30.47	20.42	3.04*	11.10	3.04*	11.10	27.43	27.53	0.10	0.37	
Did not receive	4,560	1,390	69.53	79.58	-3.04*	-4.19	-3.04*	-4.19	72.57	72.47	-0.10	-0.14	
Any aid status													
Received	6,420	1,560	74.32	61.65	3.83*	5.44	3.83*	5.44	70.48	70.59	0.11	0.16	
Did not receive	1,400	510	25.68	38.35	-3.83*	-12.99	-3.83*	-12.99	29.52	29.41	-0.11	-0.38	
Major													
Liberal arts	900	250	11.41	12.98	-0.48	-4.01	-0.48	-4.01	11.88	10.81	-1.08*	-9.06	
Psychology/history	1,090	250	15.66	9.99	1.72*	12.30	1.72*	12.30	13.94	15.65	1.71*	12.24	
Biology	1,310	280	10.39	8.11	0.69	7.11	0.69	7.11	9.70	10.75	1.05*	10.77	
Physical sciences	220	50	1.96	1.78	0.05	2.87	0.05	2.87	1.91	2.36	0.45	23.57	
Mathematics and statistics	150	30	0.90	0.57	0.10	12.57	0.10	12.57	0.80	0.81	0.02	2.02	
Computer and information sciences	240	60	1.59	2.38	-0.24	-13.05	-0.24	-13.05	1.83	1.60	-0.23	-12.61	
Engineering	700	170	7.03	5.66	0.41	6.26	0.41	6.26	6.62	6.68	0.06	0.95	
Education	610	150	7.25	6.09	0.35	5.11	0.35	5.11	6.90	7.06	0.16	2.31	
Business	640	240	15.97	21.49	-1.67*	-9.47	-1.67*	-9.47	17.64	16.64	-1.00	-5.69	
Health professions	500	130	5.74	5.90	-0.05	-0.81	-0.05	-0.81	5.79	5.70	-0.09	-1.50	
Social sciences	#	#	#	#	#	#	#	#	#	#	#	#	
Agricultural sciences	840	270	12.06	13.76	-0.51	-4.08	-0.51	-4.08	12.58	11.91	-0.67	-5.30	
Missing/unknown	590	180	9.63	10.73	-0.33	-3.35	-0.33	-3.35	9.96	9.63	-0.33	-3.32	

See notes at end of table.

Table J-6. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in public institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment			
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴		
Gender												
Male	3,280	950	42.74	48.00	-1.59*	-3.59	-1.58*	-3.57	44.33	43.19	-1.13	-2.56
Female	4,530	1,120	57.26	52.00	1.59*	2.86	1.58*	2.84	55.67	56.81	1.13	2.04
Age												
17–23	5,340	1,260	69.63	59.29	3.13*	4.71	3.12*	4.70	66.51	67.34	0.83	1.25
24 or older	2,480	800	30.37	40.71	-3.13*	-9.34	-3.12*	-9.33	33.49	32.66	-0.83	-2.49
CPS match												
Match	5,180	1,220	54.71	45.40	2.82*	5.43	2.82*	5.43	51.89	51.34	-0.55	-1.07
Did not match	2,640	840	45.29	54.60	-2.82*	-5.86	-2.82*	-5.86	48.11	48.66	0.55	1.15

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$ ¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).⁴ Base weight, adjusted for subsampling and nonresponse.⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-7. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Institution region ⁶													
New England	470	170	13.41	15.72	-0.78	-5.48	-0.78	-5.48	14.19	14.30	0.11	0.80	
Mideast	1,010	320	24.59	27.96	-1.13	-4.41	-1.13	-4.41	25.72	25.99	0.26	1.03	
Great Lakes	840	180	15.99	11.67	1.45	9.98	1.45	9.98	14.54	14.35	-0.19	-1.30	
Plains	640	150	9.63	11.57	-0.65	-6.36	-0.65	-6.36	10.28	8.82	-1.47*	-14.26	
Southeast	1,080	280	19.57	18.61	0.32	1.66	0.32	1.66	19.25	19.98	0.73	3.81	
Southwest	270	60	4.07	3.56	0.17	4.41	0.17	4.41	3.89	4.19	0.30	7.60	
Rocky Mountains	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Far West	360	90	7.23	6.88	0.11	1.62	0.11	1.62	7.11	7.27	0.16	2.25	
Outlying areas	100	40	2.14	2.44	-0.10	-4.45	-0.10	-4.45	2.24	2.16	-0.09	-3.79	
Institution total enrollment ⁷													
2,507 or less	1,260	330	29.79	26.47	1.12	3.89	1.12	3.89	28.67	28.57	-0.10	-0.36	
2,508–4,876	1,290	300	22.60	19.01	1.20	5.63	1.20	5.63	21.39	21.99	0.60	2.81	
4,877–11,571	1,210	380	21.52	24.15	-0.88	-3.93	-0.88	-3.93	22.41	22.69	0.28	1.25	
11,572 or more	1,260	320	26.09	30.37	-1.44	-5.23	-1.44	-5.23	27.53	26.75	-0.78	-2.83	
Pell Grant status													
Received	1,860	450	24.19	22.18	0.67	2.87	0.67	2.87	23.52	24.07	0.56	2.37	
Did not receive	3,160	880	75.81	77.82	-0.67	-0.88	-0.67	-0.88	76.48	75.93	-0.56	-0.73	
Total Pell Grant amount received ⁷													
\$1,660 or less	500	110	28.01	30.69	-0.85	-2.94	-0.85	-2.94	28.86	28.28	-0.58	-2.01	
\$1,661–2,860	450	120	24.26	26.91	-0.84	-3.33	-0.84	-3.34	25.10	21.84	-3.26	-12.98	
\$2,861–4,310	450	90	21.07	14.28	2.15*	11.45	2.15*	11.37	18.92	20.34	1.43	7.55	
\$4,311 or more	460	140	26.66	28.13	-0.46	-1.71	-0.46	-1.71	27.13	29.54	2.41	8.88	
Stafford Loan status													
Received	3,050	780	60.07	50.87	3.09*	5.43	3.09*	5.43	56.98	57.50	0.52	0.92	
Did not receive	1,970	540	39.93	49.13	-3.09*	-7.19	-3.09*	-7.19	43.02	42.50	-0.52	-1.22	
Total Stafford Loan amount received ⁷													
\$5,500 or less	2,320	550	75.79	64.92	3.26*	4.52	3.26*	4.50	72.53	72.29	-0.24	-0.33	
\$5,501–5,541	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
\$5,542 or more	720	240	23.81	35.04	-3.37*	-12.21	-3.37*	-12.39	27.18	26.91	-0.28	-1.02	

See notes at end of table.

Table J-7. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Total PLUS amount received ⁷													
\$6,225 or less	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$6,226–11,000	110	30	25.62	25.88	-0.08	-0.31	-0.08	-0.31	25.70	27.38	1.68	6.54	
\$11,001–16,096	100	30	26.26	36.54	-3.14	-10.55	-3.14	-10.67	29.39	24.21	-5.18	-17.62	
\$16,097 or more	100	30	30.70	28.65	0.63	2.09	0.63	2.08	30.08	31.63	1.55	5.17	
Federal aid status													
Received	3,630	880	67.84	57.40	3.50*	5.45	3.50*	5.45	64.33	65.25	0.92	1.43	
Did not receive	1,380	440	32.16	42.60	-3.50*	-9.83	-3.50*	-9.83	35.67	34.75	-0.92	-2.58	
Institution aid status													
Received	3,640	850	65.47	48.92	5.56*	9.28	5.56*	9.28	59.91	60.33	0.42	0.70	
Did not receive	1,370	480	34.53	51.08	-5.56*	-13.86	-5.56*	-13.86	40.09	39.67	-0.42	-1.04	
State aid status													
Received	2,130	490	32.35	23.01	3.14*	10.73	3.14*	10.73	29.21	29.58	0.37	1.25	
Did not receive	2,890	830	67.65	76.99	-3.14*	-4.43	-3.14*	-4.43	70.79	70.42	-0.37	-0.52	
Any aid status													
Received	4,590	1,140	86.59	73.43	4.42*	5.38	4.42*	5.38	82.17	82.64	0.47	0.57	
Did not receive	420	190	13.41	26.57	-4.42*	-24.80	-4.42*	-24.80	17.83	17.36	-0.47	-2.64	
Major													
Liberal arts	610	180	16.14	14.91	0.41	2.63	0.41	2.63	15.73	15.79	0.06	0.37	
Psychology/history	560	150	14.35	10.63	1.25	9.54	1.25	9.54	13.10	13.38	0.28	2.12	
Biology	900	180	9.20	6.28	0.98	11.93	0.98	11.93	8.22	8.46	0.24	2.92	
Physical sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Mathematics and statistics	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Computer and information sciences	210	60	1.94	2.71	-0.26	-11.77	-0.26	-11.77	2.20	2.44	0.24	10.88	
Engineering	260	50	3.42	2.97	0.15	4.70	0.15	4.70	3.27	3.94	0.67	20.58	
Education	320	80	5.75	3.76	0.67*	13.12	0.67*	13.12	5.08	5.52	0.44	8.59	
Business	630	210	19.49	23.53	-1.36	-6.52	-1.36	-6.52	20.85	20.07	-0.77	-3.71	
Health professions	330	80	6.32	6.36	-0.01	-0.20	-0.01	-0.20	6.34	6.25	-0.09	-1.42	
Social sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Agricultural sciences	380	130	9.49	9.35	0.05	0.49	0.05	0.49	9.44	10.24	0.80	8.47	
Missing/unknown	490	160	11.10	15.07	-1.33	-10.72	-1.33	-10.72	12.44	11.25	-1.19	-9.57	

See notes at end of table.

Table J-7. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Gender													
Male	1,950	580	37.48	46.91	-3.17*	-7.79	-3.13*	-7.70	40.61	38.41	-2.20	-5.41	
Female	3,070	750	62.52	53.09	3.17*	5.34	3.13*	5.26	59.39	61.59	2.20	3.70	
Age													
17–23	3,740	920	74.16	62.91	3.78*	5.37	3.73*	5.29	70.43	72.11	1.68	2.38	
24 or older	1,280	400	25.84	37.09	-3.78*	-12.76	-3.73*	-12.61	29.57	27.89	-1.68	-5.67	
CPS match													
Match	3,700	890	66.73	56.51	3.43*	5.42	3.43*	5.42	63.29	63.39	0.10	0.15	
Did not match	1,320	440	33.27	43.49	-3.43*	-9.35	-3.43*	-9.35	36.71	36.61	-0.10	-0.26	

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$

¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).

² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.

³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).

⁴ Base weight, adjusted for subsampling and nonresponse.

⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).

⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

⁷ Categories were defined by quartiles. Stafford Loan amount category was collapsed.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-8. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in for-profit institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Institution region⁶										
New England	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Mideast	130	50	7.15	11.02	-1.53	-17.61	-1.53	-17.61	8.68	7.05
Great Lakes	100	40	12.79	13.58	-0.31	-2.38	-0.31	-2.38	13.10	11.27
Plains	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Southeast	120	40	14.06	21.95	-3.11	-18.11	-3.11	-18.11	17.17	15.38
Southwest	100	40	33.43	29.59	1.51	4.74	1.51	4.74	31.92	30.35
Rocky Mountains	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Far West	80	30	16.63	9.86	2.67	19.10	2.67	19.10	13.96	19.91
Outlying areas	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Institution total enrollment⁷										
1,972 or less	180	60	20.03	11.93	3.19	18.96	3.19	18.96	16.84	20.23
1,973–3,355	150	60	13.01	24.55	-4.55	-25.89	-4.55	-25.89	17.56	15.63
3,356–8,142	160	70	8.31	21.82	-5.32*	-39.04	-5.32*	-39.04	13.63	8.05
8,143 or more	170	50	58.65	41.71	6.68	12.84	6.68	12.84	51.98	56.09
Pell Grant status										
Received	320	100	22.65	17.39	2.07	10.08	2.07	10.08	20.58	22.77
Did not receive	330	130	77.35	82.61	-2.07	-2.61	-2.07	-2.61	79.42	77.23
Total Pell Grant amount received⁷										
\$1,480 or less	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$1,481–\$2,860	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$2,861–\$4,310	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$4,311 or more	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Stafford Loan status										
Received	460	160	61.35	69.72	-3.30	-5.10	-3.30	-5.10	64.65	55.91
Did not receive	200	70	38.65	30.28	3.30	9.33	3.30	9.33	35.35	44.09
Total Stafford Loan amount received⁷										
\$3,938 or less	120	40	21.10	24.79	-1.57	-6.95	-1.57	-6.92	22.67	29.12
\$3,939–\$5,500	110	40	18.20	36.66	-7.84	-30.79	-7.84	-30.12	26.04	16.31
\$5,501–\$10,500	220	80	37.25	38.56	-0.56	-1.47	-0.56	-1.47	37.81	37.67
\$10,501 or more	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡

See notes at end of table.

Table J-8. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in for-profit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Mean weighted		Before nonresponse adjustment				After nonresponse adjustment				
			Respondent	Non-respondent	Respondent vs. nonrespondent		Respondent vs. full sample		Mean		Estimated bias ⁵	Relative bias ²	
					Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴			
Total PLUS amount received ⁷													
\$5,000 or less	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$5,001–\$8,253	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$8,254–\$11,737	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$11,738 or more	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Federal aid status													
Received	510	180	69.15	71.54	-0.94	-1.35	-0.94	-1.35	70.09	61.85	-8.24	-11.75	
Did not receive	140	60	30.85	28.46	0.94	3.16	0.94	3.16	29.91	38.15	8.24	27.54	
Institution aid status													
Received	190	50	10.01	11.96	-0.77	-7.13	-0.77	-7.13	10.78	9.32	-1.46	-13.56	
Did not receive	470	180	89.99	88.04	0.77	0.86	0.77	0.86	89.22	90.68	1.46	1.64	
State aid status													
Received	190	50	11.76	14.59	-1.12	-8.68	-1.12	-8.68	12.88	8.79	-4.08	-31.71	
Did not receive	470	180	88.24	85.41	1.12	1.28	1.12	1.28	87.12	91.21	4.08	4.69	
Any aid status													
Received	590	200	85.04	79.08	2.35	2.84	2.35	2.84	82.69	77.69	-5.00	-6.05	
Did not receive	60	30	14.96	20.92	-2.35	-13.57	-2.35	-13.57	17.31	22.31	5.00	28.91	
Major													
Liberal arts	130	60	6.06	7.80	-0.68	-10.12	-0.68	-10.12	6.75	5.91	-0.84	-12.46	
Psychology/history	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Biology	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Physical sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Mathematics and statistics	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Computer and information sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Engineering	140	40	9.98	15.08	-2.01	-16.78	-2.01	-16.78	11.99	8.22	-3.77	-31.44	
Education	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Business	140	60	37.78	48.59	-4.26	-10.13	-4.26	-10.13	42.04	39.53	-2.51	-5.96	
Health professions	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Social sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Agricultural sciences	130	40	10.04	7.73	0.91	9.97	0.91	9.97	9.13	11.25	2.12	23.16	
Missing/unknown	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡

See notes at end of table.

Table J-8. Student nonresponse bias for analysis weight 2 (panel) before and after weight adjustments, by select variables for students in for-profit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Gender										
Male	290	90	40.58	48.48	-3.11	-7.13	-3.11	-7.13	43.70	42.99
Female	370	140	59.42	51.52	3.11	5.53	3.11	5.53	56.30	57.01
Age										
17–23	150	60	11.78	14.80	-1.19	-9.19	-1.19	-9.19	12.97	11.68
24 or older	500	180	88.22	85.20	1.19	1.37	1.19	1.37	87.03	88.32
CPS match										
Match	530	170	73.04	65.81	2.85	4.06	2.85	4.06	70.19	63.34
Did not match	130	60	26.96	34.19	-2.85	-9.56	-2.85	-9.56	29.81	36.66
										6.85
										22.97

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$

¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).

² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.

³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).

⁴ Base weight, adjusted for subsampling and nonresponse.

⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).

⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-9. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students overall: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment								After nonresponse adjustment		
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean				
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴	Estimated bias ⁵	Relative bias ²	
Institution type													
Public	7,350	2,470	64.10	59.87	1.52	2.43	1.52	2.43	62.58	62.58	#	#	
Private nonprofit	4,590	1,720	31.68	35.02	-1.20	-3.65	-1.20	-3.65	32.87	32.87	#	#	
For-profit	630	250	4.22	5.11	-0.32	-7.04	-0.32	-7.04	4.54	4.54	#	#	
Institution region⁶													
New England	620	250	6.65	7.58	-0.34	-4.82	-0.34	-4.82	6.98	6.98	#	#	
Mideast	2,100	930	16.23	20.15	-1.40*	-7.96	-1.40*	-7.96	17.64	17.64	#	#	
Great Lakes	2,020	640	17.42	13.42	1.43*	8.96	1.43*	8.96	15.98	15.98	#	#	
Plains	1,700	430	8.71	7.82	0.32	3.81	0.32	3.81	8.39	8.39	#	#	
Southeast	2,770	1,130	23.79	25.25	-0.52	-2.15	-0.52	-2.15	24.31	24.31	#	#	
Southwest	1,050	340	9.58	9.33	0.09	0.97	0.09	0.97	9.49	9.49	#	#	
Rocky Mountains	670	110	4.55	2.67	0.68*	17.48	0.68*	17.48	3.88	3.88	#	#	
Far West	1,460	560	11.48	12.64	-0.42	-3.50	-0.42	-3.50	11.90	11.90	#	#	
Outlying areas	180	60	1.59	1.15	0.16	11.14	0.16	11.14	1.43	1.43	#	#	
Institution total enrollment⁷													
4,760 or less	3,130	1,130	21.18	20.93	0.09	0.42	0.09	0.42	21.09	21.09	#	#	
4,761–3,042	3,050	1,210	19.89	23.34	-1.24	-5.86	-1.24	-5.86	21.13	21.13	#	#	
13,043–27,210	3,160	1,130	26.24	27.84	-0.57	-2.14	-0.57	-2.14	26.82	26.82	#	#	
27,211 or more	3,240	970	32.68	27.88	1.72*	5.56	1.72*	5.56	30.96	30.96	#	#	
Pell Grant status													
Received	5,000	1,680	25.22	24.44	0.28	1.13	0.28	1.13	24.94	24.94	#	#	
Did not receive	7,580	2,760	74.78	75.56	-0.28	-0.37	-0.28	-0.37	75.06	75.06	#	#	
Total Pell Grant amount received⁷													
\$1,580 or less	1,290	390	27.27	27.77	-0.17	-0.64	-0.17	-0.64	27.44	27.44	#	#	
\$1,581–\$2,695	1,230	430	25.97	25.90	0.02	0.09	0.02	0.09	25.95	25.95	#	#	
\$2,695–\$4,310	1,240	390	21.87	18.88	1.05	5.06	1.05	5.06	20.82	20.82	#	#	
\$4,311 or more	1,230	460	24.89	27.46	-0.90	-3.49	-0.90	-3.50	25.79	25.79	#	#	
Stafford Loan status													
Received	6,930	2,440	49.71	45.96	1.35*	2.78	1.35*	2.78	48.37	48.37	#	#	
Did not receive	5,640	1,990	50.29	54.04	-1.35*	-2.61	-1.35*	-2.61	51.63	51.63	#	#	

See notes at end of table.

Table J-9. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students overall: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment								After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean					
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴	Estimated bias ⁵	Relative bias ²		
Total Stafford Loan amount received ⁷														
\$4,400 or less	1,770	580	23.73	24.36	-0.21	-0.90	-0.21	-0.90	23.94	23.94	#	#		
\$4,401–\$5,500	3,390	1,110	50.16	42.12	2.74*	5.80	2.74*	5.78	47.42	47.42	#	#		
\$5,501–\$6,396	140	50	1.74	2.71	-0.33	-15.82	-0.33	-15.95	2.07	2.07	#	#		
\$6,397 or more	1,640	700	24.37	30.81	-2.20*	-8.23	-2.20*	-8.27	26.56	26.56	#	#		
Total PLUS amount received ⁷														
\$5,000 or less	200	70	22.11	20.46	0.57	2.65	0.57	2.65	21.54	21.54	#	#		
\$5,001–\$9,396	190	70	22.90	28.27	-1.85	-7.46	-1.85	-7.49	24.75	24.75	#	#		
\$9,397–\$14,000	200	60	26.86	28.17	-0.45	-1.66	-0.45	-1.66	27.31	27.31	#	#		
\$14,001 or more	190	70	28.13	23.10	1.73	6.59	1.73	6.57	26.40	26.40	#	#		
Federal aid status														
Received	8,620	2,910	58.20	53.20	1.80*	3.18	1.80*	3.18	56.40	56.40	#	#		
Did not receive	3,950	1,520	41.80	46.80	-1.80*	-4.12	-1.80*	-4.12	43.60	43.60	#	#		
Institution aid status														
Received	6,610	2,030	44.07	32.52	4.14*	10.37	4.14*	10.37	39.92	39.92	#	#		
Did not receive	5,960	2,410	55.93	67.48	-4.14*	-6.89	-4.14*	-6.89	60.08	60.08	#	#		
State aid status														
Received	5,170	1,590	30.30	22.46	2.81*	10.23	2.81*	10.23	27.48	27.48	#	#		
Did not receive	7,400	2,850	69.70	77.54	-2.81*	-3.88	-2.81*	-3.88	72.52	72.52	#	#		
Any aid status														
Received	10,780	3,620	78.25	67.95	3.69*	4.95	3.69*	4.95	74.55	74.55	#	#		
Did not receive	1,790	820	21.75	32.05	-3.69*	-14.51	-3.69*	-14.51	25.45	25.45	#	#		
Major														
Liberal arts	1,550	550	13.02	12.81	0.07	0.58	0.07	0.58	12.94	12.64	-0.31	-2.37		
Psychology/history	1,550	490	14.85	10.17	1.68*	12.75	1.68*	12.75	13.17	14.35	1.18*	8.95		
Biology	2,050	620	9.67	7.50	0.78*	8.76	0.78*	8.76	8.89	9.39	0.50	5.60		
Physical sciences	360	110	1.69	1.71	-0.01	-0.42	-0.01	-0.42	1.70	1.90	0.20	11.87		
Mathematics and statistics	270	70	0.93	0.91	0.01	0.86	0.01	0.86	0.93	0.89	-0.04	-3.85		
Computer and information sciences	550	180	2.08	3.08	-0.36	-14.63	-0.36	-14.63	2.44	2.19	-0.25	-10.09		

See notes at end of table.

Table J-9. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students overall: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment								After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean					
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴	Estimated bias ⁵	Relative bias ²		
Major—Continued														
Engineering	900	300	5.34	4.85	0.17	3.37	0.17	3.37	5.16	5.11	-0.05	-1.05		
Education	890	260	6.62	5.11	0.54*	8.90	0.54*	8.90	6.07	6.38	0.30	5.01		
Business	1,320	600	17.97	23.16	-1.86*	-9.38	-1.86*	-9.38	19.83	18.76	-1.07	-5.40		
Health professions	810	260	6.36	5.65	0.26	4.20	0.26	4.20	6.11	6.42	0.31	5.11		
Social sciences	60	30	0.43	0.62	-0.07	-13.37	-0.07	-13.37	0.50	0.45	-0.06	-11.13		
Agricultural sciences	1,250	520	10.78	12.00	-0.43	-3.88	-0.43	-3.88	11.22	11.10	-0.12	-1.10		
Missing/unknown	1,040	430	10.25	12.44	-0.78	-7.11	-0.78	-7.11	11.04	10.43	-0.60	-5.47		
Gender														
Male	5,130	1,960	40.49	47.50	-2.52*	-5.85	-2.50*	-5.81	42.99	40.99	-2.00*	-4.66		
Female	7,440	2,470	59.51	52.50	2.52*	4.41	2.50*	4.38	57.01	59.01	2.00*	3.51		
Age														
17–23	8,600	2,810	69.11	58.96	3.64*	5.57	3.63*	5.54	65.49	66.87	1.39	2.12		
24 or older	3,970	1,620	30.89	41.04	-3.64*	-10.55	-3.63*	-10.51	34.51	33.13	-1.39	-4.02		
CPS match														
Match	8,730	2,890	58.54	51.82	2.41*	4.29	2.41*	4.29	56.13	55.46	-0.67	-1.20		
Did not match	3,840	1,550	41.46	48.18	-2.41*	-5.49	-2.41*	-5.49	43.87	44.54	0.67	1.53		

Rounds to zero.

* $p < .05$ ¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).⁴ Base weight, adjusted for subsampling and nonresponse.⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-10. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments for select variables for students in public institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment								After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean					
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴	Estimated bias ⁵	Relative bias ²		
Institution region ⁶														
New England	160	70	3.22	4.44	-0.42	-11.45	-0.42	-11.45	3.64	3.00	-0.64	-17.48		
Mideast	1,080	440	12.87	15.89	-1.04	-7.45	-1.04*	-7.45	13.91	14.08	0.17	1.24		
Great Lakes	1,160	340	18.46	14.33	1.42*	8.32	1.42*	8.32	17.04	17.34	0.30	1.73		
Plains	990	240	8.13	6.56	0.54	7.13	0.54	7.13	7.59	8.00	0.41	5.38		
Southeast	1,700	690	26.94	29.03	-0.72	-2.59	-0.72	-2.59	27.66	27.52	-0.14	-0.49		
Southwest	700	230	10.55	11.24	-0.24	-2.20	-0.24	-2.20	10.78	10.69	-0.10	-0.92		
Rocky Mountains	400	70	4.95	2.97	0.68	15.93	0.68	15.93	4.27	4.25	-0.02	-0.36		
Far West	1,080	370	13.84	15.03	-0.41	-2.87	-0.41	-2.87	14.25	14.21	-0.04	-0.26		
Outlying areas	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡		
Institution total enrollment ⁷														
11,664 or less	1,850	650	19.31	20.69	-0.47	-2.39	-0.47	-2.39	19.79	19.75	-0.03	-0.17		
11,665–20,095	1,770	660	23.01	26.82	-1.31	-5.38	-1.31	-5.38	24.32	23.51	-0.81	-3.34		
20,096–31,916	1,870	580	26.20	22.91	1.13	4.51	1.13	4.51	25.07	27.34	2.27*	9.04		
31,917 or more	1,850	590	31.48	29.58	0.65	2.11	0.65	2.11	30.83	29.41	-1.42	-4.61		
Pell Grant status														
Received	2,980	980	25.96	25.95	#	0.02	#	0.02	25.96	25.76	-0.20	-0.77		
Did not receive	4,370	1,490	74.04	74.05	#	-0.01	#	-0.01	74.04	74.24	0.20	0.27		
Total Pell Grant amount received ⁷														
\$1,560 or less	780	230	27.65	28.21	-0.19	-0.69	-0.19	-0.69	27.84	27.88	0.03	0.12		
\$1,561–\$2,660	740	260	26.36	24.86	0.51	1.99	0.51	1.99	25.84	26.90	1.06	4.09		
\$2,661–\$4,310	730	220	21.21	19.52	0.58	2.80	0.58	2.80	20.63	20.18	-0.45	-2.16		
\$4,311 or more	720	270	24.79	27.41	-0.90	-3.50	-0.90	-3.50	25.69	25.04	-0.64	-2.51		
Stafford Loan status														
Received	3,720	1,230	44.37	40.08	1.47	3.43	1.47	3.43	42.90	43.40	0.50	1.16		
Did not receive	3,620	1,230	55.63	59.92	-1.47	-2.58	-1.47	-2.58	57.10	56.60	-0.50	-0.87		
Total Stafford Loan amount received ²														
\$3,750 or less	930	310	22.77	25.50	-0.88	-3.69	-0.88	-3.70	23.65	22.98	-0.67	-2.85		
\$3,751–\$5,500	1,880	560	51.59	42.16	3.02*	6.25	3.02*	6.22	48.57	49.08	0.51	1.05		
\$5,501–\$5,850	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡		
\$5,851 or more	880	360	25.08	31.90	-2.19*	-7.99	-2.19*	-8.03	27.27	27.33	0.06	0.22		

See notes at end of table.

Table J-10. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments for select variables for students in public institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Total PLUS amount received ²										
\$4,500 or less	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$4,501–\$7,438	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$7,439–\$12,000	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$12,001 or more	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Federal aid status										
Received	4,810	1,550	53.17	48.12	1.73*	3.37	1.73*	3.37	51.43	51.75
Did not receive	2,540	920	46.83	51.88	-1.73*	-3.57	-1.73*	-3.57	48.57	48.25
Institution aid status										
Received	3,090	840	35.43	23.43	4.12*	13.15	4.12*	13.15	31.31	31.33
Did not receive	4,260	1,620	64.57	76.57	-4.12*	-6.00	-4.12*	-6.00	68.69	68.67
State aid status										
Received	3,050	860	30.75	21.35	3.23*	11.73	3.23*	11.73	27.52	28.05
Did not receive	4,300	1,610	69.25	78.65	-3.23*	-4.45	-3.23*	-4.45	72.48	71.95
Any aid status										
Received	6,020	1,900	74.01	62.52	3.94*	5.63	3.94*	5.63	70.07	70.32
Did not receive	1,330	570	25.99	37.48	-3.94*	-13.17	-3.94*	-13.17	29.93	29.68
Major										
Liberal arts	860	270	11.87	11.83	0.02	0.14	0.02	0.14	11.86	11.31
Psychology/history	1,040	280	16.05	10.28	1.98*	14.08	1.98*	14.08	14.07	15.87
Biology	1,240	340	10.64	8.13	0.86*	8.80	0.86*	8.80	9.78	10.76
Physical sciences	210	70	2.05	1.77	0.10	4.88	0.10	4.88	1.95	2.47
Mathematics and statistics	140	40	0.97	0.51	0.16	19.31	0.16	19.31	0.81	0.90
Computer and information sciences	220	70	1.62	2.32	-0.24	-12.93	-0.24	-12.93	1.86	1.61
Engineering	630	240	6.50	6.47	0.01	0.18	0.01	0.18	6.49	6.00
Education	590	170	7.41	6.26	0.40	5.64	0.40	5.64	7.01	7.31
Business	600	280	15.91	21.38	-1.88*	-10.56	-1.88*	-10.56	17.78	16.69
Health professions	470	160	5.55	6.16	-0.21	-3.65	-0.21	-3.65	5.76	5.61
Social sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Agricultural sciences	790	310	11.41	13.83	-0.83	-6.77	-0.83	-6.77	12.24	11.48
Missing/unknown	540	220	9.62	10.49	-0.30	-2.99	-0.30	-2.99	9.92	9.60

See notes at end of table.

Table J-10. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments for select variables for students in public institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Gender										
Male	3,050	1,140	41.78	48.24	-2.22*	-5.04	-2.21*	-5.02	43.98	42.07
Female	4,290	1,320	58.22	51.76	2.22*	3.96	2.21*	3.94	56.02	57.93
Age										
17–23	5,030	1,540	69.81	59.94	3.39*	5.10	3.38*	5.09	66.42	67.39
24 or older	2,320	930	30.19	40.06	-3.39*	-10.09	-3.38*	-10.07	33.58	32.61
CPS match										
Match	4,850	1,510	54.05	46.25	2.68*	5.22	2.68*	5.22	51.37	51.26
Did not match	2,500	960	45.95	53.75	-2.68*	-5.51	-2.68*	-5.51	48.63	48.74

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$ ¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).⁴ Base weight, adjusted for subsampling and nonresponse.⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-11. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Institution region⁶										
New England	470	180	14.46	14.07	0.15	1.04	0.15	1.04	14.31	15.52
Mideast	900	430	24.24	28.80	-1.74	-6.71	-1.74	-6.71	25.98	25.88
Great Lakes	750	270	15.89	11.90	1.53	10.62	1.53	10.62	14.37	13.97
Plains	620	170	10.19	10.42	-0.09	-0.87	-0.09	-0.87	10.28	9.19
Southeast	950	400	18.69	19.31	-0.24	-1.25	-0.24	-1.25	18.92	19.30
Southwest	270	60	4.39	3.17	0.47	11.94	0.47	11.94	3.92	4.35
Rocky Mountains	240	30	3.66	1.44	0.85	30.12	0.85	30.12	2.81	3.06
Far West	300	150	6.15	8.72	-0.98	-13.75	-0.98	-13.75	7.13	6.53
Outlying areas	90	40	2.33	2.17	0.06	2.70	0.06	2.70	2.27	2.20
Institution total enrollment⁷										
2,507 or less	1,160	420	29.83	27.52	0.88	3.05	0.88	3.05	28.95	28.43
2,508–4,876	1,160	420	22.64	19.09	1.36	6.37	1.36	6.37	21.28	21.95
4,877–11,571	1,060	520	20.13	24.88	-1.82	-8.27	-1.82	-8.27	21.95	21.71
11,572 or more	1,210	360	27.40	28.50	-0.42	-1.52	-0.42	-1.52	27.82	27.91
Pell Grant status										
Received	1,710	580	24.12	22.79	0.51	2.16	0.51	2.16	23.61	23.89
Did not receive	2,880	1,130	75.88	77.21	-0.51	-0.67	-0.51	-0.67	76.39	76.11
Total Pell Grant amount received⁷										
\$1,640 or less	440	130	26.98	29.36	-0.88	-3.15	-0.88	-3.16	27.86	27.45
\$1,641–\$2,860	430	160	25.47	26.74	-0.47	-1.81	-0.47	-1.82	25.94	23.83
\$2,861–\$4,310	410	130	21.55	14.72	2.52*	13.29	2.52*	13.23	19.03	20.47
\$4,311 or more	430	170	26.01	29.17	-1.17	-4.29	-1.17	-4.29	27.17	28.26
Stafford Loan status										
Received	2,770	1,030	59.06	52.44	2.53*	4.47	2.53*	4.47	56.53	56.58
Did not receive	1,820	690	40.94	47.56	-2.53*	-5.82	-2.53*	-5.82	43.47	43.42
Total Stafford Loan amount received⁷										
\$5,500 or less	2,120	740	77.87	66.12	4.17*	5.68	4.17*	5.66	73.70	74.02
\$5,500 or more	650	300	22.13	33.88	-4.17*	-15.66	-4.17*	-15.85	26.30	25.98

See notes at end of table.

Table J-11. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Total PLUS amount received⁷										
\$6,225 or less	100	30	18.63	8.32	3.72*	25.31	3.72	24.93	14.91	17.80
\$6,226–\$11,000	100	40	25.26	26.74	-0.53	-2.06	-0.53	-2.06	25.80	27.76
\$11,001–\$16,096	90	40	24.48	38.08	-4.90	-16.52	-4.90	-16.69	29.39	22.28
\$16,097 or more	100	40	31.62	26.86	1.72	5.76	1.72	5.74	29.91	32.16
Federal aid status										
Received	3,320	1,170	67.00	59.10	3.02*	4.72	3.02*	4.72	63.98	64.32
Did not receive	1,270	550	33.00	40.90	-3.02*	-8.38	-3.02*	-8.38	36.02	35.68
Institution aid status										
Received	3,330	1,130	66.07	51.09	5.72*	9.48	5.72*	9.48	60.34	60.58
Did not receive	1,260	580	33.93	48.91	-5.72*	-14.43	-5.72*	-14.43	39.66	39.42
State aid status										
Received	1,940	670	31.86	25.51	2.42*	8.24	2.42*	8.24	29.43	28.92
Did not receive	2,650	1,050	68.14	74.49	-2.42*	-3.44	-2.42*	-3.44	70.57	71.08
Any aid status										
Received	4,200	1,500	85.94	75.54	3.98*	4.85	3.98*	4.85	81.97	81.97
Did not receive	400	210	14.06	24.46	-3.98*	-22.05	-3.98*	-22.05	18.03	18.03
Major										
Liberal arts	560	220	16.28	15.20	0.41	2.61	0.41	2.61	15.87	16.11
Psychology/history	500	210	14.30	11.46	1.09	8.21	1.09	8.21	13.21	13.33
Biology	800	280	8.77	7.44	0.51	6.16	0.51	6.16	8.26	7.82
Physical sciences	150	40	1.20	1.86	-0.25	-17.41	-0.25	-17.41	1.46	1.07
Mathematics and statistics	120	30	0.99	1.73	-0.28	-22.33	-0.28	-22.33	1.27	1.00
Computer and information sciences	200	70	2.05	2.49	-0.17	-7.64	-0.17	-7.64	2.22	2.59
Engineering	250	60	3.66	2.75	0.35	10.58	0.35	10.58	3.31	4.10
Education	300	100	5.90	3.89	0.77*	14.92	0.77*	14.92	5.13	5.49
Business	580	260	19.47	22.59	-1.19	-5.76	-1.19	-5.76	20.66	19.92
Health professions	310	90	6.53	4.83	0.65	11.06	0.65	11.06	5.88	6.64
Social sciences	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Agricultural sciences	340	170	9.61	9.49	0.05	0.48	0.05	0.48	9.57	10.36
Missing/unknown	450	190	10.66	15.48	-1.84	-14.74	-1.84	-14.74	12.51	10.96

See notes at end of table.

Table J-11. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Gender										
Male	1,800	720	37.92	46.04	-3.11*	-7.57	-3.07*	-7.49	40.99	38.86
Female	2,790	1,000	62.08	53.96	3.11*	5.27	3.07*	5.20	59.01	61.14
Age										
17–23	3,430	1,210	75.47	63.69	4.50*	6.34	4.45*	6.27	71.02	73.58
24 or older	1,160	510	24.53	36.31	-4.50*	-15.50	-4.45*	-15.36	28.98	26.42
CPS match										
Match	3,380	1,190	65.75	59.22	2.50*	3.94	2.50*	3.94	63.25	62.15
Did not match	1,220	520	34.25	40.78	-2.50*	-6.79	-2.50*	-6.79	36.75	37.85

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$

¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).

² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.

³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).

⁴ Base weight, adjusted for subsampling and nonresponse.

⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).

⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

⁷ Categories were defined by quartiles. Stafford Loan amount category was collapsed.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-12. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students in for-profit institutions: 2012

Variable	Unweighted respondents	Unweighted non-respondents	Before nonresponse adjustment				After nonresponse adjustment			
			Mean, base weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean	
			Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴
Institution region⁶										
New England	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Mideast	120	50	7.24	10.77	-1.43	-16.46	-1.43	-16.46	8.66	7.01
Great Lakes	100	40	13.02	13.27	-0.10	-0.75	-0.10	-0.75	13.12	11.93
Plains	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Southeast	120	40	14.15	21.62	-3.02	-17.57	-3.02	-17.57	17.17	16.31
Southwest	90	50	33.87	29.13	1.92	6.00	1.92	6.00	31.96	30.20
Rocky Mountains	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Far West	70	40	15.63	11.56	1.64	11.76	1.64	11.76	13.98	18.90
Outlying areas	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Institution total enrollment⁷										
1,972 or less	180	60	20.25	11.65	3.47	20.70	3.47	20.70	16.78	20.46
1,972–3,415	130	70	12.12	25.52	-5.41	-30.87	-5.41	-30.87	17.53	14.80
3,415–8,142	160	70	8.46	21.31	-5.19*	-38.02	-5.19*	-38.02	13.65	7.97
8,142 or more	160	60	59.17	41.52	7.13	13.70	7.13	13.70	52.04	56.76
Pell Grant status										
Received	310	110	22.17	18.03	1.67	8.16	1.67	8.16	20.50	21.26
Did not receive	320	140	77.83	81.97	-1.67	-2.10	-1.67	-2.10	79.50	78.74
Total Pell Grant amount received⁷										
\$1,485 or less	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$1,485–\$2,873	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$2,873–\$4,310	60	30	15.85	25.42	-3.40	-17.23	-3.40	-17.65	19.25	18.29
\$4,310 or more	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Stafford Loan status										
Received	440	180	60.70	70.42	-3.93	-6.08	-3.93	-6.08	64.63	57.35
Did not receive	200	70	39.30	29.58	3.93	11.10	3.93	11.10	35.37	42.65
Total Stafford Loan amount received⁷										
\$3,938 or less	120	50	21.45	24.30	-1.25	-5.55	-1.25	-5.52	22.70	28.84
\$3,938–\$5,500	100	50	18.17	36.15	-7.91	-31.12	-7.91	-30.34	26.08	16.40
\$5,500–\$10,500	210	90	36.26	39.56	-1.45	-3.87	-1.45	-3.85	37.71	34.80
\$10,500 or more	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡

See notes at end of table.

Table J-12. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students in for-profit institutions: 2012—Continued

Variable	Unweighted respondents	Before nonresponse adjustment										After nonresponse adjustment			
		Mean, base weighted		Respondent vs. nonrespondent		Respondent vs. full sample		Mean				Full sample, base weighted	Respondents, non-response adjusted ⁴	Estimated bias ⁵	Relative bias ²
		Unweighted non-respondents	Respondent	Non-respondent	Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²							
Total PLUS amount received ⁷															
\$5,000 or less	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$5,000–\$8,292	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$8,292–\$11,737	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
\$11,737 or more	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Federal aid status															
Received	490	200	68.60	72.20	-1.46	-2.08	-1.46	-2.08	70.06	63.29	-6.76	-9.66			
Did not receive	140	60	31.40	27.80	1.46	4.86	1.46	4.86	29.94	36.71	6.76	22.59			
Institution aid status															
Received	180	50	10.10	11.75	-0.67	-6.20	-0.67	-6.20	10.77	8.92	-1.85	-17.19			
Did not receive	450	200	89.90	88.25	0.67	0.75	0.67	0.75	89.23	91.08	1.85	2.07			
State aid status															
Received	180	60	11.73	14.60	-1.16	-8.99	-1.16	-8.99	12.89	9.29	-3.60	-27.91			
Did not receive	450	190	88.27	85.40	1.16	1.33	1.16	1.33	87.11	90.71	3.60	4.13			
Any aid status															
Received	570	220	84.77	79.57	2.10	2.54	2.10	2.54	82.67	79.13	-3.54	-4.28			
Did not receive	60	30	15.23	20.43	-2.10	-12.13	-2.10	-12.13	17.33	20.87	3.54	20.43			
Major															
Liberal arts	130	60	5.90	7.96	-0.83	-12.34	-0.83	-12.34	6.73	5.77	-0.96	-14.24			
Psychology/history	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Biology	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Physical sciences															
Mathematics and statistics															
Computer and information sciences	130	40	9.33	15.90	-2.66	-22.17	-2.66	-22.17	11.98	7.44	-4.54	-37.90			
Engineering	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Education															
Business	140	60	38.13	47.94	-3.96	-9.41	-3.96	-9.41	42.09	39.00	-3.10	-7.36			
Health professions	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Social sciences															
Agricultural sciences	130	40	10.02	7.67	0.95	10.46	0.95	10.46	9.07	11.10	2.03	22.38			
Missing/unknown	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡

See notes at end of table.

Table J-12. Student nonresponse bias for analysis weight 3 (transcript panel) before and after weight adjustments, by select variables for students in for-profit institutions: 2012—Continued

Variable	Unweighted respondents	Before nonresponse adjustment										After nonresponse adjustment			
		Mean, base weighted				Respondent vs. nonrespondent		Respondent vs. full sample		Mean					
		Unweighted non-respondents	Respondent	Non-respondent		Estimated bias ¹	Relative bias ²	Estimated bias ³	Relative bias ²	Full sample, base weighted	Respondents, non-response adjusted ⁴	Estimated bias ⁵	Relative bias ²		
Gender															
Male	280	110	40.22	48.76	-3.45	-7.90	-3.45	-7.90	43.67	41.44	-2.23	-5.10			
Female	350	150	59.78	51.24	3.45	6.13	3.45	6.13	56.33	58.56	2.23	3.96			
Age															
17–23	140	60	11.06	15.71	-1.88	-14.52	-1.88	-14.52	12.94	11.39	-1.54	-11.93			
24 or older	490	190	88.94	84.29	1.88	2.16	1.88	2.16	87.06	88.61	1.54	1.77			
CPS match															
Match	510	190	72.63	66.49	2.48	3.54	2.48	3.54	70.15	64.86	-5.29	-7.54			
Did not match	130	60	27.37	33.51	-2.48	-8.32	-2.48	-8.32	29.85	35.14	5.29	17.72			

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$

¹ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of all sample cases (using the base weight adjusted for subsampling).

² Relative bias is defined as the ratio of estimated bias to the weighted mean of the full sample.

³ Bias in the sample mean is estimated as the product of the base weighted nonresponse rate and the difference between the mean of respondent cases (using base weight adjusted for subsampling) and the mean of nonrespondent cases (using the base weight adjusted for subsampling).

⁴ Base weight, adjusted for subsampling and nonresponse.

⁵ Bias in the sample mean is estimated as the difference between the mean of respondent cases (using the specified weight) and the mean of all sample cases (using the specified weight).

⁶ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

⁷ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-13. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students overall: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution type					
Public	62.81	62.81	62.86	-0.05	-0.05
Private nonprofit	32.72	32.72	32.53	0.19	0.19
For-profit	4.47	4.47	4.62	-0.15	-0.15
Institution region²					
New England	6.91	6.91	6.15	0.76	0.76
Mideast	17.50	17.50	17.51	#	#
Great Lakes	15.87	15.87	16.48	-0.61	-0.61
Plains	8.43	8.43	8.56	-0.13	-0.13
Southeast	24.55	24.55	24.68	-0.13	-0.13
Southwest	9.36	9.36	8.84	0.52	0.52
Rocky Mountains	3.88	3.88	4.32	-0.44	-0.44*
Far West	12.09	12.09	12.06	0.02	0.02
Outlying areas	1.41	1.41	1.41	#	#
Institution total enrollment²					
4,760 or less	20.94	20.94	20.82	0.12	0.12
4,761–13,042	21.12	21.12	22.99	-1.87*	-1.87*
13,043–27,210	27.02	27.02	26.29	0.73	0.73
27,211 or more	30.93	30.93	29.91	1.02	1.02
Pell Grant status					
Received	25.21	25.21	22.89	2.32*	2.32*
Did not receive	74.79	74.79	77.11	-2.32*	-2.32*
Total Pell Grant amount received²					
\$1,580 or less	27.23	27.23	30.43	-3.20*	-3.20*
\$1,581–\$2,695	25.84	25.84	26.19	-0.35	-0.35
\$2,696–\$4,310	21.33	21.33	20.50	0.82	0.82
\$4,311 or more	25.60	25.60	22.88	2.72*	2.72*
Stafford Loan status					
Received	48.80	48.80	45.31	3.49*	3.49*
Did not receive	51.20	51.20	54.69	-3.49*	-3.49*
Total Stafford Loan amount received²					
\$4,410 or less	23.87	23.87	25.83	-1.97*	-1.97*
\$4,411–\$5,500	46.99	46.99	47.99	-1.00	-1.00
\$5,501–\$6,498	2.26	2.26	2.10	0.16	0.16
\$6,499 or more	26.88	26.88	24.08	2.80*	2.80*
Total PLUS amount received³					
\$5,000 or less	22.10	22.10	21.31	0.79	0.79
\$5,001–\$9,396	24.23	24.23	27.97	-3.74	-3.74*
\$9,397–\$14,000	27.41	27.41	24.20	3.20	3.20
\$14,001 or more	26.26	26.26	26.52	-0.26	-0.26
Federal aid status					
Received	56.97	56.97	53.92	3.05*	3.05*
Did not receive	43.03	43.03	46.08	-3.05*	-3.05*
Institution aid status					
Received	39.63	39.63	40.13	-0.50	-0.50
Did not receive	60.37	60.37	59.87	0.50	0.50

See notes at end of table.

Table J-13. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students overall: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
State aid status					
Received	27.36	27.36	28.17	-0.81	-0.81
Did not receive	72.64	72.64	71.83	0.81	0.81
Any aid status	74.85	74.85	75.46	-0.61	-0.61
Received	25.15	25.15	24.54	0.61	0.61
Did not receive					
Major					
Liberal arts	12.62	12.91	15.86	-3.24*	-2.95*
Psychology/history	13.81	13.06	15.82	-2.01*	-2.76*
Biology	9.08	8.83	5.06	4.02*	3.77*
Physical sciences	1.51	1.67	1.40	0.11	0.27
Mathematics and statistics	0.76	0.91	1.04	-0.28	-0.13*
Computer and information sciences	2.19	2.41	2.39	-0.20	0.02
Engineering	5.41	5.24	5.14	0.27	0.09
Education	6.26	6.00	6.64	-0.38*	-0.65*
Business	18.96	19.78	21.43	-2.48*	-1.65*
Health professions	6.40	6.27	6.84	-0.44	-0.57
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	11.40	11.40	12.25	-0.85	-0.85
Missing/unknown	11.19	11.03	5.41	5.78*	5.63*
Gender					
Male	41.86	43.08	42.55	-0.69	0.53
Female	58.14	56.92	57.45	0.69	-0.53
Age					
17–23	65.71	65.38	66.92	-1.21*	-1.53
24 or older	34.29	34.62	33.08	1.21*	1.53
CPS match					
Match	56.10	56.44	54.49	1.61*	1.95*
Did not match	43.90	43.56	45.51	-1.61*	-1.95*

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$.¹ Base weight, adjusted for nonresponse.² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-14. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students in public Institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region ²					
New England	3.65	3.60	3.06	0.59	0.54
Mideast	13.79	13.85	14.52	-0.73	-0.67
Great Lakes	16.81	16.77	17.69	-0.88	-0.93
Plains	7.79	7.66	8.15	-0.35	-0.49
Southeast	27.64	27.84	27.50	0.14	0.33
Southwest	10.73	10.60	10.03	0.69	0.57
Rocky Mountains	4.23	4.29	4.41	-0.18	-0.12
Far West	14.44	14.54	13.86	0.58	0.68
Outlying areas	‡	‡	‡	‡	‡
Institution total enrollment ³					
11,664 or less	19.86	19.54	21.06	-1.20*	-1.52*
11,665–20,095	24.22	24.22	24.06	0.16	0.16
20,096–31,916	26.49	25.51	25.68	0.81	-0.18
31,917 or more	29.42	30.73	29.20	0.23	1.54
Pell Grant status					
Received	26.02	26.43	23.19	2.83*	3.24*
Did not receive	73.98	73.57	76.81	-2.83*	-3.24*
Total Pell Grant amount received ³					
\$1,560 or less	28.55	27.37	30.45	-1.91*	-3.08
\$1,561–\$2,660	25.47	25.73	26.51	-1.03	-0.78
\$2,661–\$4,310	22.04	21.48	20.88	1.16	0.60
\$4,311 or more	23.94	25.43	22.16	1.78*	3.26
Stafford Loan status					
Received	43.43	43.41	40.71	2.73*	2.70*
Did not receive	56.57	56.59	59.29	-2.73*	-2.70*
Total Stafford Loan amount received ³					
\$3,764 or less	23.48	23.75	24.57	-1.08	-0.82
\$3,765–\$5,500	49.01	48.31	50.76	-1.75*	-2.45*
\$5,501–\$5,946	‡	‡	‡	‡	‡
\$5,947 or more	26.69	27.26	23.81	2.88*	3.46*
Total PLUS amount received ³					
\$4,488	‡	‡	‡	‡	‡
\$4,489–\$7,453	‡	‡	‡	‡	‡
\$7,454–\$12,000	‡	‡	‡	‡	‡
\$12,001 or more	‡	‡	‡	‡	‡
Federal aid status					
Received	51.72	52.20	49.36	2.37*	2.85*
Did not receive	48.28	47.80	50.64	-2.37*	-2.85*
Institution aid status					
Received	30.51	31.12	30.97	-0.46	0.14
Did not receive	69.49	68.88	69.03	0.46	-0.14
State aid status					
Received	27.56	27.43	28.14	-0.58	-0.71
Did not receive	72.44	72.57	71.86	0.58	0.71

See notes at end of table.

Table J-14. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students in public Institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference Mean (2) - Mean (3)
				Mean (1) - Mean (3)	
Any aid status					
Received	69.97	70.48	70.60	-0.63	-0.12
Did not receive	30.03	29.52	29.40	0.63	0.12
Major					
Liberal arts	11.23	11.88	14.81	-3.58*	-2.92*
Psychology/history	14.93	13.94	17.22	-2.29*	-3.28*
Biology	10.22	9.70	5.32	4.90*	4.38*
Physical sciences	1.88	1.91	1.60	0.28	0.31
Mathematics and statistics	‡	‡	‡	‡	‡
Computer and information sciences	1.55	1.83	1.77	-0.23	0.06
Engineering	6.68	6.62	6.50	0.18	0.12
Education	7.14	6.90	7.46	-0.32*	-0.56
Business	16.77	17.64	19.09	-2.33*	-1.45*
Health professions	5.78	5.79	6.96	-1.18*	-1.17*
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	12.23	12.58	12.93	-0.70	-0.35
Missing/unknown	10.48	9.96	4.69	5.78*	5.27*
Gender					
Male	43.06	44.33	44.01	-0.95	0.31
Female	56.94	55.67	55.99	0.95	-0.31
Age					
17–23	66.56	66.51	67.65	-1.09	-1.14
24 or older	33.44	33.49	32.35	1.09	1.14
CPS match					
Match	51.33	51.89	49.87	1.46*	2.03
Did not match	48.67	48.11	50.13	-1.46*	-2.03

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* p < .05

¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-15. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students in private nonprofit institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region ²					
New England	14.10	14.19	12.98	1.12	1.21
Mideast	26.31	25.72	24.09	2.22	1.64
Great Lakes	14.16	14.54	15.08	-0.92	-0.54
Plains	9.92	10.28	9.43	0.48	0.85
Southeast	19.29	19.25	20.14	-0.85	-0.90
Southwest	4.02	3.89	4.88	-0.86*	-0.98*
Rocky Mountains	‡	‡	‡	‡	‡
Far West	7.15	7.11	7.23	-0.08	-0.12
Outlying areas	‡	‡	‡	‡	‡
Institution total enrollment ³					
2,507 or less	29.05	28.67	25.69	3.36*	2.98*
2,508–4,876	21.09	21.39	22.35	-1.26	-0.96
4,877–11,571	23.00	22.41	24.45	-1.45	-2.05
11,572 or more	26.86	27.53	27.51	-0.65	0.02
Pell Grant status					
Received	24.73	23.52	21.94	2.79	1.57*
Did not receive	75.27	76.48	78.06	-2.79	-1.57*
Total Pell Grant amount received ³					
\$1,660 or less	25.52	28.86	30.96	-5.44	-2.10*
\$1,661–\$2,860	26.52	25.10	24.36	2.17	0.74
\$2,861–\$4,310	18.31	18.92	18.89	-0.58	0.03
\$4,311 or more	29.65	27.13	25.80	3.85	1.33
Stafford Loan status					
Received	57.41	56.98	51.66	5.75*	5.32*
Did not receive	42.59	43.02	48.34	-5.75*	-5.32*
Total Stafford Loan amount received ³					
\$5,500 or less	72.57	72.53	75.10	-2.53	-2.57
\$5,501–\$5,541	‡	‡	‡	‡	‡
\$5542 or more	26.75	27.18	24.72	2.03	2.46
Total PLUS amount received ³					
\$6,225 or less	‡	‡	‡	‡	‡
\$6,226–\$11,000	‡	‡	‡	‡	‡
\$11,001–\$16,096	‡	‡	‡	‡	‡
\$16,097 or more	‡	‡	‡	‡	‡
Federal aid status					
Received	65.78	64.33	60.65	5.13*	3.68*
Did not receive	34.22	35.67	39.35	-5.13*	-3.68*
Institution aid status					
Received	61.17	59.91	61.25	-0.09	-1.34
Did not receive	38.83	40.09	38.75	0.09	1.34
State aid status					
Received	29.64	29.21	30.58	-0.94	-1.37
Did not receive	70.36	70.79	69.42	0.94	1.37

See notes at end of table.

Table J-15. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	83.18	82.17	83.62	-0.44	-1.45
Did not receive	16.82	17.83	16.38	0.44	1.45
Major					
Liberal arts	16.26	15.73	18.54	-2.28*	-2.81*
Psychology/history	13.49	13.10	15.24	-1.75*	-2.14*
Biology	7.97	8.22	4.90	3.06*	3.32*
Physical sciences	‡	‡	‡	‡	‡
Mathematics and statistics	‡	‡	‡	‡	‡
Computer and information sciences	2.00	2.20	2.20	-0.20	#
Engineering	3.69	3.27	3.12	0.56	0.15
Education	5.44	5.08	6.00	-0.56*	-0.92*
Business	20.48	20.85	23.60	-3.12*	-2.75*
Health professions	6.40	6.34	6.99	-0.59	-0.65
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	10.19	9.44	10.37	-0.18	-0.92
Missing/unknown	11.68	12.44	5.59	6.09*	6.85*
Gender					
Male	39.32	40.61	39.61	-0.29	1.00
Female	60.68	59.39	60.39	0.29	-1.00
Age					
17–23	71.40	70.43	72.40	-1.00	-1.97
24 or older	28.60	29.57	27.60	1.00	1.97
CPS match					
Match	63.76	63.29	61.28	2.48	2.01*
Did not match	36.24	36.71	38.72	-2.48	-2.01*

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$ ¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles. Stafford Loan amount category was collapsed.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-16. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students in for-profit institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Mean		Difference	
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region²					
New England	‡	‡	‡	‡	‡
Mideast	5.25	8.68	11.80	-6.55	-3.13*
Great Lakes	‡	‡	‡	‡	‡
Plains	‡	‡	‡	‡	‡
Southeast	‡	‡	‡	‡	‡
Southwest	29.23	31.92	20.39	8.84	11.53
Rocky Mountains	‡	‡	‡	‡	‡
Far West	‡	‡	‡	‡	‡
Outlying areas	‡	‡	‡	‡	‡
Institution total enrollment³					
1,972 or less	15.70	16.84	22.25	-6.55	-5.42*
1,973–3,355	21.57	17.56	18.46	3.10	-0.91
3,356–8,142	7.53	13.63	17.55	-10.02	-3.92*
8,143 or more	55.21	51.98	41.73	13.47	10.24*
Pell Grant status					
Received	17.39	20.58	25.43	-8.04	-4.85*
Did not receive	82.61	79.42	74.57	8.04	4.85*
Total Pell Grant amount received³					
\$1,480 or less	‡	‡	‡	‡	‡
\$1,481–\$2,860	‡	‡	‡	‡	‡
\$2,861–\$4,310	‡	‡	‡	‡	‡
\$4,311 or more	‡	‡	‡	‡	‡
Stafford Loan status					
Received	61.16	64.65	63.23	-2.07	1.42
Did not receive	38.84	35.35	36.77	2.07	-1.42
Total Stafford Loan amount received³					
\$3,938 or less	23.68	22.67	29.68	-6.00	-7.02
\$3,939–\$5,500	19.05	26.04	23.54	-4.49	2.50
\$5,501–\$10,500	43.00	37.81	45.49	-2.49	-7.69
\$10,501 or more	‡	‡	‡	‡	‡
Total PLUS amount received³					
\$5,000 or less	‡	‡	‡	‡	‡
\$5,001–\$8,253	‡	‡	‡	‡	‡
\$8,254–\$11,737	‡	‡	‡	‡	‡
\$11,738 or more	‡	‡	‡	‡	‡
Federal aid status					
Received	66.23	70.09	68.55	-2.33	1.54
Did not receive	33.77	29.91	31.45	2.33	-1.54
Institution aid status					
Received	10.06	10.78	15.95	-5.89*	-5.17*
Did not receive	89.94	89.22	84.05	5.89*	5.17*
State aid status					
Received	7.89	12.88	11.58	-3.69	1.30
Did not receive	92.11	87.12	88.42	3.69	-1.30

See notes at end of table.

Table J-16. Student nonresponse bias for analysis weight 1 (bookend) after nonresponse and poststratification adjustments, by select variables for students in for-profit institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	82.41	82.69	84.07	-1.66	-1.38
Did not receive	‡	‡	‡	‡	‡
Major					
Liberal arts	5.40	6.75	11.30	-5.90*	-4.55*
Psychology/history	‡	‡	‡	‡	‡
Biology	‡	‡	‡	‡	‡
Physical sciences	‡	‡	‡	‡	‡
Mathematics and statistics	‡	‡	‡	‡	‡
Computer and information sciences	‡	‡	‡	‡	‡
Engineering	‡	‡	‡	‡	‡
Education	‡	‡	‡	‡	‡
Business	38.56	42.04	38.05	0.51	3.99
Health professions	‡	‡	‡	‡	‡
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	8.63	9.13	16.17	-7.54*	-7.04*
Missing/unknown	‡	‡	‡	‡	‡
Gender					
Male	43.71	43.70	43.44	0.27	0.26
Female	56.29	56.30	56.56	-0.27	-0.26
Age					
17–23	12.08	12.97	18.25	-6.17	-5.29*
24 or older	87.92	87.03	81.75	6.17	5.29*
CPS match					
Match	67.00	70.19	69.57	-2.57	0.62
Did not match	33.00	29.81	30.43	2.57	-0.62

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$

¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-17. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students overall: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution type					
Public	62.81	62.81	62.86	-0.05	-0.05
Private nonprofit	32.72	32.72	32.53	0.19	0.19
For-profit	4.47	4.47	4.62	-0.15	-0.15
Institution region ²					
New England	6.91	6.91	6.09	0.82	0.82
Mideast	17.50	17.50	17.17	0.33	0.33
Great Lakes	15.87	15.87	16.40	-0.52	-0.52
Plains	8.43	8.43	8.83	-0.40	-0.40
Southeast	24.55	24.55	24.66	-0.11	-0.11
Southwest	9.36	9.36	8.83	0.53	0.53
Rocky Mountains	3.88	3.88	4.31	-0.43	-0.43*
Far West	12.09	12.09	12.37	-0.28	-0.28
Outlying areas	1.41	1.41	1.35	0.06	0.06
Institution total enrollment ³					
4,760 or less	20.94	20.94	20.94	#	#
4,761–13,042	21.12	21.12	22.75	-1.64*	-1.64*
13,043–27,210	27.02	27.02	26.23	0.78	0.78
27,211 or more	30.93	30.93	30.07	0.86	0.86
Pell Grant status					
Received	25.21	25.21	23.08	2.14*	2.14*
Did not receive	74.79	74.79	76.92	-2.14*	-2.14*
Total Pell Grant amount received ³					
\$1,580 or less	27.23	27.23	30.61	-3.38*	-3.38*
\$1,581–\$2,695	25.84	25.84	26.75	-0.91	-0.91
\$2,696–\$4,310	21.33	21.33	20.15	1.18	1.18
\$4,311 or more	25.60	25.60	22.49	3.12*	3.12*
Stafford Loan status					
Received	48.80	48.80	45.31	3.49*	3.49*
Did not receive	51.20	51.20	54.69	-3.49*	-3.49*
Total Stafford Loan amount received ³					
\$4,410 or less	23.87	23.87	25.98	-2.11*	-2.11*
\$4,411–\$5,500	46.99	46.99	48.10	-1.11	-1.11
\$5,501–\$6,498	2.26	2.26	1.97	0.29	0.29
\$6,499 or more	26.88	26.88	23.96	2.93*	2.93*
Total PLUS amount received ³					
\$5,000 or less	22.10	22.10	21.96	0.14	0.14
\$5,001–\$9,396	24.23	24.23	26.62	-2.39	-2.39
\$9,397–\$14,000	27.41	27.41	25.66	1.74	1.74
\$14,001 or more	26.26	26.26	25.76	0.50	0.50
Federal aid status					
Received	56.97	56.97	53.96	3.01*	3.01*
Did not receive	43.03	43.03	46.04	-3.01*	-3.01*
Institution aid status					
Received	39.63	39.63	40.09	-0.46	-0.46
Did not receive	60.37	60.37	59.91	0.46	0.46

See notes at end of table.

Table J-17. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students overall: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
State aid status					
Received	27.36	27.36	28.16	-0.80	-0.80
Did not receive	72.64	72.64	71.84	0.80	0.80
Any aid status	74.85	74.85	75.60	-0.74	-0.74
Received	25.15	25.15	24.40	0.74	0.74
Did not receive					
Major					
Liberal arts	12.22	12.91	15.86	-3.64*	-2.95*
Psychology/history	14.23	13.06	15.82	-1.59*	-2.76*
Biology	9.60	8.83	5.23	4.37*	3.60*
Physical sciences	1.86	1.67	1.40	0.46	0.27
Mathematics and statistics	0.83	0.91	1.04	-0.21	-0.13*
Computer and information sciences	2.17	2.41	2.39	-0.22	0.02
Engineering	5.49	5.24	5.14	0.35	0.09
Education	6.24	6.00	6.64	-0.40*	-0.65*
Business	18.79	19.78	21.43	-2.65*	-1.65*
Health professions	6.25	6.27	6.84	-0.59	-0.57
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	11.34	11.40	12.25	-0.91	-0.85
Missing/unknown	10.56	11.03	5.24	5.32*	5.80*
Gender					
Male	41.62	43.08	42.55	-0.93	0.53
Female	58.38	56.92	57.45	0.93	-0.53
Age					
17–23	66.41	65.38	67.16	-0.75*	-1.77
24 or older	33.59	34.62	32.84	0.75*	1.77
CPS match					
Match	55.82	56.44	54.54	1.28*	1.90
Did not match	44.18	43.56	45.46	-1.28*	-1.90

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$.¹ Base weight, adjusted for nonresponse.² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-18. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students in public institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region ²					
New England	3.54	3.60	2.86	0.68	0.74
Mideast	13.83	13.85	14.35	-0.52	-0.50
Great Lakes	16.99	16.77	17.66	-0.66	-0.89
Plains	8.25	7.66	8.60	-0.35*	-0.94
Southeast	27.58	27.84	27.48	0.11	0.36
Southwest	10.56	10.60	9.83	0.73	0.77
Rocky Mountains	4.32	4.29	4.41	-0.10	-0.12
Far West	14.04	14.54	14.10	-0.06	0.44
Outlying areas	‡	‡	‡	‡	‡
Institution total enrollment ³					
11,664 or less	19.50	19.54	20.81	-1.32	-1.28*
11,665–20,095	23.90	24.22	23.86	0.04	0.37
20,096–31,916	27.78	25.51	26.31	1.47	-0.80
31,917 or more	28.83	30.73	29.02	-0.19	1.71
Pell Grant status					
Received	25.98	26.43	23.36	2.62*	3.07*
Did not receive	74.02	73.57	76.64	-2.62*	-3.07*
Total Pell Grant amount received ³					
\$1,560 or less	27.45	27.37	30.14	-2.69	-2.77*
\$1,561–\$2,660	27.25	25.73	27.95	-0.69	-2.22
\$2,661–\$4,310	21.03	21.48	19.90	1.12	1.57
\$4,311 or more	24.27	25.43	22.01	2.26*	3.42*
Stafford Loan status					
Received	43.76	43.41	40.71	3.05*	2.70*
Did not receive	56.24	56.59	59.29	-3.05*	-2.70*
Total Stafford Loan amount received ³					
\$3,764 or less	22.99	23.75	24.66	-1.68	-0.92*
\$3,765–\$5,500	49.20	48.31	51.33	-2.13*	-3.02*
\$5,501–\$5,946	‡	‡	‡	‡	‡
\$5,947 or more	26.93	27.26	23.15	3.78*	4.12*
Total PLUS amount received ³					
\$4,488 or less	‡	‡	‡	‡	‡
\$4,489–\$7,453	‡	‡	‡	‡	‡
\$7,454–\$12,000	‡	‡	‡	‡	‡
\$12,001 or more	‡	‡	‡	‡	‡
Federal aid status					
Received	52.31	52.20	49.50	2.81*	2.70*
Did not receive	47.69	47.80	50.50	-2.81*	-2.70*
Institution aid status					
Received	31.00	31.12	31.32	-0.32	-0.21
Did not receive	69.00	68.88	68.68	0.32	0.21
State aid status					
Received	27.53	27.43	28.28	-0.75	-0.85
Did not receive	72.47	72.57	71.72	0.75	0.85

See notes at end of table.

Table J-18. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students in public institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	70.59	70.48	70.82	-0.22	-0.34
Did not receive	29.41	29.52	29.18	0.22	0.34
Major					
Liberal arts	10.81	11.88	14.89	-4.08*	-3.00*
Psychology/history	15.65	13.94	17.44	-1.80*	-3.50*
Biology	10.75	9.70	5.50	5.24*	4.20*
Physical sciences	2.36	1.91	1.58	0.78	0.33
Mathematics and statistics	0.81	0.80	0.99	-0.18*	-0.19*
Computer and information sciences	1.60	1.83	1.74	-0.14	0.09
Engineering	6.68	6.62	6.41	0.27	0.21
Education	7.06	6.90	7.55	-0.49	-0.65*
Business	16.64	17.64	19.04	-2.40	-1.40*
Health professions	5.70	5.79	6.99	-1.29*	-1.20*
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	11.91	12.58	12.70	-0.79	-0.12
Missing/unknown	9.63	9.96	4.50	5.13*	5.46*
Gender					
Male	43.19	44.33	43.89	-0.70	0.44
Female	56.81	55.67	56.11	0.70	-0.44
Age					
17–23	67.34	66.51	68.04	-0.70	-1.54
24 or older	32.66	33.49	31.96	0.70	1.54
CPS match					
Match	51.34	51.89	49.93	1.41*	1.97
Did not match	48.66	48.11	50.07	-1.41*	-1.97

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* p < .05

¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-19. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students in private nonprofit institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region ²					
New England	14.30	14.19	13.17	1.13	1.02
Mideast	25.99	25.72	23.27	2.72	2.45
Great Lakes	14.35	14.54	14.97	-0.63	-0.44
Plains	8.82	10.28	9.32	-0.51	0.96
Southeast	19.98	19.25	20.20	-0.22	-0.95
Southwest	4.19	3.89	5.29	-1.10*	-1.39*
Rocky Mountains	‡	‡	‡	‡	‡
Far West	7.27	7.11	7.57	-0.30	-0.46
Outlying areas	2.16	2.24	2.56	-0.40	-0.32*
Institution total enrollment ³					
2,507 or less	28.57	28.67	25.43	3.14*	3.24*
2,508–4,876	21.99	21.39	23.03	-1.04	-1.64
4,877–11,571	22.69	22.41	23.56	-0.87	-1.15
11,572 or more	26.75	27.53	27.97	-1.22	-0.45
Pell Grant status					
Received	24.07	23.52	22.00	2.08	1.52*
Did not receive	75.93	76.48	78.00	-2.08	-1.52*
Total Pell Grant amount received ³					
\$1,660 or less	28.28	28.86	32.31	-4.03	-3.45*
\$1,661–\$2,860	21.84	25.10	22.34	-0.50	2.76
\$2,861–\$4,310	20.34	18.92	19.73	0.61	-0.82
\$4,311 or more	29.54	27.13	25.62	3.92	1.51
Stafford Loan status					
Received	57.50	56.98	51.66	5.84*	5.32*
Did not receive	42.50	43.02	48.34	-5.84*	-5.32*
Total Stafford Loan amount received ³					
\$5,500 or less	72.29	72.53	74.83	-2.54	-2.31*
\$5,501–\$5,541	‡	‡	‡	‡	‡
\$5,542 or more	26.91	27.18	24.99	1.92	2.20
Total PLUS amount received ³					
\$6,225 or less	‡	‡	‡	‡	‡
\$6,226–\$11,000	27.38	25.70	24.96	2.42	0.74
\$11,001–\$16,096	24.21	29.39	26.70	-2.49	2.69
\$16,097 or more	31.63	30.08	30.08	1.55	#
Federal aid status					
Received	65.25	64.33	60.48	4.77*	3.85*
Did not receive	34.75	35.67	39.52	-4.77*	-3.85*
Institution aid status					
Received	60.33	59.91	60.57	-0.24	-0.66
Did not receive	39.67	40.09	39.43	0.24	0.66
State aid status					
Received	29.58	29.21	30.22	-0.64	-1.01
Did not receive	70.42	70.79	69.78	0.64	1.01

See notes at end of table.

Table J-19. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	82.64	82.17	83.71	-1.07	-1.54
Did not receive	17.36	17.83	16.29	1.07	1.54
Major					
Liberal arts	15.79	15.73	18.38	-2.59*	-2.65*
Psychology/history	13.38	13.10	14.80	-1.43*	-1.71
Biology	8.46	8.22	4.95	3.51*	3.27*
Physical sciences	‡	‡	‡	‡	‡
Mathematics and statistics	‡	‡	‡	‡	‡
Computer and information sciences	2.44	2.20	2.29	0.15	-0.09
Engineering	3.94	3.27	3.35	0.59	-0.08
Education	5.52	5.08	5.82	-0.31*	-0.74
Business	20.07	20.85	23.79	-3.71*	-2.94*
Health professions	6.25	6.34	7.04	-0.80	-0.71
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	10.24	9.44	10.55	-0.31	-1.11
Missing/unknown	11.25	12.44	5.54	5.71*	6.90*
Gender					
Male	38.41	40.61	39.77	-1.36	0.84
Female	61.59	59.39	60.23	1.36	-0.84
Age					
17–23	72.11	70.43	72.32	-0.22	-1.89
24 or older	27.89	29.57	27.68	0.22	1.89
CPS match					
Match	63.39	63.29	61.06	2.33	2.24*
Did not match	36.61	36.71	38.94	-2.33	-2.24*

Rounds to zero.

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$ ¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles. Stafford Loan amount category was collapsed.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-20. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students in for-profit Institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region ²					
New England	‡	‡	‡	‡	‡
Mideast	7.05	8.68	12.58	-5.54	-3.91*
Great Lakes	11.27	13.10	9.25	2.02	3.85
Plains	‡	‡	‡	‡	‡
Southeast	15.38	17.17	17.69	-2.31	-0.52
Southwest	30.35	31.92	20.09	10.27	11.83
Rocky Mountains	‡	‡	‡	‡	‡
Far West	19.91	13.96	22.60	-2.69*	-8.63
Outlying areas	‡	‡	‡	‡	‡
Institution total enrollment ³					
1,972 or less	20.23	16.84	24.28	-4.05*	-7.44
1,973–3,355	15.63	17.56	16.78	-1.15	0.77
3,356–8,142	8.05	13.63	17.87	-9.82	-4.24*
8,143 or more	56.09	51.98	41.07	15.02	10.91*
Pell Grant status					
Received	22.77	20.58	26.90	-4.14	-6.33
Did not receive	77.23	79.42	73.10	4.14	6.33
Total Pell amount received ³					
\$1,480 or less	‡	‡	‡	‡	‡
\$1,481–\$2,860	‡	‡	‡	‡	‡
\$2,861–\$4,310	‡	‡	‡	‡	‡
\$4,311 or more	‡	‡	‡	‡	‡
Stafford Loan status					
Received	55.91	64.65	63.23	-7.32	1.42
Did not receive	44.09	35.35	36.77	7.32	-1.42
Total Stafford amount received ³					
\$3,938 or less	29.12	22.67	29.25	-0.13	-6.58
\$3,939–\$5,500	16.31	26.04	23.64	-7.32	2.41*
\$5,501–\$10,500	37.67	37.81	45.69	-8.02	-7.89
\$10,501 or more	‡	‡	‡	‡	‡
Total PLUS amount received ³					
\$5,000 or less	‡	‡	‡	‡	‡
\$5,001–\$8,253	‡	‡	‡	‡	‡
\$8,254–\$11,737	‡	‡	‡	‡	‡
\$11,738 or more	‡	‡	‡	‡	‡
Federal aid status					
Received	61.85	70.09	68.73	-6.88	1.36
Did not receive	38.15	29.91	31.27	6.88	-1.36
Institution aid status					
Received	9.32	10.78	15.07	-5.75*	-4.29*
Did not receive	90.68	89.22	84.93	5.75*	4.29*
State aid status					
Received	8.79	12.88	12.12	-3.33	0.75
Did not receive	91.21	87.12	87.88	3.33	-0.75

See notes at end of table.

Table J-20. Student nonresponse bias for analysis weight 2 (panel) after nonresponse and poststratification adjustments, by select variables for students in for-profit Institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	77.69	82.69	83.51	-5.83	-0.82
Did not receive	22.31	17.31	16.49	5.83	0.82
Major					
Liberal arts	5.91	6.75	11.33	-5.42*	-4.58*
Psychology/history	‡	‡	‡	‡	‡
Biology	‡	‡	‡	‡	‡
Physical sciences	‡	‡	‡	‡	‡
Mathematics and statistics	‡	‡	‡	‡	‡
Computer and information sciences	8.22	11.99	11.84	-3.62	0.15*
Engineering	‡	‡	‡	‡	‡
Education	‡	‡	‡	‡	‡
Business	39.53	42.04	37.41	2.13	4.64
Health professions	‡	‡	‡	‡	‡
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	11.25	9.13	18.01	-6.76*	-8.88
Missing/unknown	‡	‡	‡	‡	‡
Gender					
Male	42.99	43.70	43.98	-0.99	-0.28
Female	57.01	56.30	56.02	0.99	0.28
Age					
17–23	11.68	12.97	18.70	-7.02	-5.73*
24 or more	88.32	87.03	81.30	7.02	5.73*
CPS match					
Match	63.34	70.19	71.39	-8.05	-1.20
Did not match	36.66	29.81	28.61	8.05	1.20

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* p < .05

¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-21. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students overall: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Mean Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution type					
Public	62.58	62.58	62.86	-0.27	-0.27
Private nonprofit	32.87	32.87	32.53	0.35	0.35
For-profit	4.54	4.54	4.62	-0.07	-0.07
Institution region ²					
New England	6.98	6.98	6.24	0.75	0.75
Mideast	17.64	17.64	17.31	0.32	0.32
Great Lakes	15.98	15.98	16.39	-0.41	-0.41
Plains	8.39	8.39	8.92	-0.53	-0.53
Southeast	24.31	24.31	24.23	0.08	0.08
Southwest	9.49	9.49	8.94	0.56	0.56
Rocky Mountains	3.88	3.88	4.40	-0.52	-0.52*
Far West	11.90	11.90	12.19	-0.30	-0.30
Outlying areas	1.43	1.43	1.38	0.05	0.05
Institution total enrollment ³					
4,760 or less	21.09	21.09	20.93	0.16	0.16
4,761–3,042	21.13	21.13	22.76	-1.63	-1.63*
13,043–27,210	26.82	26.82	26.25	0.56	0.56
27,211 or more	30.96	30.96	30.06	0.90	0.90
Pell Grant status					
Received	24.94	24.94	23.02	1.92*	1.92*
Did not receive	75.06	75.06	76.98	-1.92*	-1.92*
Total Pell Grant amount received ³					
\$1,580 or less	27.44	27.44	30.37	-2.93*	-2.93*
\$1,581–\$2,695	25.95	25.95	26.91	-0.96	-0.96
\$2,695–\$4,310	20.82	20.82	20.33	0.48	0.48
\$4,311 or more	25.79	25.79	22.39	3.41*	3.41*
Stafford Loan status					
Received	48.37	48.37	45.31	3.06*	3.06*
Did not receive	51.63	51.63	54.69	-3.06*	-3.06*
Total Stafford amount received ³					
\$4,400 or less	23.94	23.94	25.85	-1.91*	-1.91*
\$4,401–\$5,500	47.42	47.42	48.27	-0.85	-0.85
\$5,501–\$6,396	2.07	2.07	1.84	0.23	0.23
\$6,397 or more	26.56	26.56	24.03	2.53*	2.53*
Total PLUS amount received ³					
\$5,000 or less	21.54	21.54	21.99	-0.45	-0.45
\$5,001–\$9,396	24.75	24.75	27.09	-2.34	-2.34
\$9,397–\$14,000	27.31	27.31	24.95	2.36	2.36
\$14,001 or more	26.40	26.40	25.98	0.42	0.42
Federal aid status					
Received	56.40	56.40	53.85	2.55*	2.55*
Did not receive	43.60	43.60	46.15	-2.55*	-2.55*
Institution aid status					
Received	39.92	39.92	40.01	-0.09	-0.09
Did not receive	60.08	60.08	59.99	0.09	0.09

See notes at end of table.

Table J-21. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students overall: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
State aid status					
Received	27.48	27.48	28.22	-0.73	-0.73
Did not receive	72.52	72.52	71.78	0.73	0.73
Any aid status					
Received	74.55	74.55	75.33	-0.78	-0.78
Did not receive	25.45	25.45	24.67	0.78	0.78
Major					
Liberal arts	12.64	12.94	15.86	-3.22*	-2.92*
Psychology/history	14.35	13.17	15.82	-1.47*	-2.65*
Biology	9.39	8.89	5.19	4.19*	3.69*
Physical sciences	1.90	1.70	1.40	0.50	0.30
Mathematics and statistics	0.89	0.93	1.04	-0.15	-0.11*
Computer and information sciences	2.19	2.44	2.39	-0.19	0.05
Engineering	5.11	5.16	5.14	-0.03	0.02
Education	6.38	6.07	6.64	-0.26*	-0.57
Business	18.76	19.83	21.43	-2.67*	-1.60*
Health professions	6.42	6.11	6.84	-0.42	-0.74
Social sciences	0.45	0.50	0.72	-0.27	-0.22*
Agricultural sciences	11.10	11.22	12.25	-1.15*	-1.03*
Missing/unknown	10.43	11.04	5.27	5.16*	5.76*
Gender					
Male	40.99	42.99	42.55	-1.57	0.44*
Female	59.01	57.01	57.45	1.57	-0.44*
Age					
17–23	66.87	65.49	67.43	-0.56*	-1.94
24 or older	33.13	34.51	32.57	0.56*	1.94
CPS match					
Match	55.46	56.13	54.49	0.96*	1.64
Did not match	44.54	43.87	45.51	-0.96*	-1.64

[‡] Row is suppressed. Contains less than five unweighted nonrespondents.

^{*} $p < .05$

¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-22. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students in public institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region ²					
New England	3.00	3.64	2.66	0.35	0.98
Mideast	14.08	13.91	14.71	-0.63	-0.80
Great Lakes	17.34	17.04	17.77	-0.44	-0.73
Plains	8.00	7.59	8.61	-0.61*	-1.02
Southeast	27.52	27.66	26.94	0.59	0.73
Southwest	10.69	10.78	9.89	0.79	0.89*
Rocky Mountains	4.25	4.27	4.48	-0.23	-0.22
Far West	14.21	14.25	14.23	-0.02	0.02
Outlying areas	‡	‡	‡	‡	‡
Institution total enrollment ³					
11,664 or less	19.75	19.79	20.99	-1.24	-1.20*
11,665–20,095	23.51	24.32	23.55	-0.04	0.77
20,096–31,916	27.34	25.07	26.37	0.97	-1.30
31,917 or more	29.41	30.83	29.09	0.31	1.73
Pell Grant status					
Received	25.76	25.96	23.31	2.45*	2.65*
Did not receive	74.24	74.04	76.69	-2.45*	-2.65*
Total Pell Grant amount received ³					
\$1,560 or less	27.88	27.84	30.08	-2.20	-2.24*
\$1,561–\$2,660	26.90	25.84	27.94	-1.04	-2.10
\$2,661–\$4,310	20.18	20.63	19.95	0.24	0.68
\$4,311 or more	25.04	25.69	22.03	3.01*	3.65*
Stafford Loan status					
Received	43.40	42.90	40.71	2.69*	2.19*
Did not receive	56.60	57.10	59.29	-2.69*	-2.19*
Total Stafford Loan amount received ³					
\$3,750 or less	22.98	23.65	24.34	-1.36	-0.69
\$3,751–\$5,500	49.08	48.57	51.16	-2.09*	-2.60*
\$5,501–\$5,850	‡	‡	‡	‡	‡
\$5,851 or more	27.33	27.27	23.82	3.51*	3.45*
Total PLUS amount received ³					
\$4,500 or less	‡	‡	‡	‡	‡
\$4,501–\$7,438	‡	‡	‡	‡	‡
\$7,439–\$12,000	‡	‡	‡	‡	‡
\$12,001 or more	‡	‡	‡	‡	‡
Federal aid status					
Received	51.75	51.43	49.40	2.35*	2.04*
Did not receive	48.25	48.57	50.60	-2.35*	-2.04*
Institution aid status					
Received	31.33	31.31	31.19	0.14	0.12
Did not receive	68.67	68.69	68.81	-0.14	-0.12
State aid status					
Received	28.05	27.52	28.50	-0.45	-0.98
Did not receive	71.95	72.48	71.50	0.45	0.98

See notes at end of table.

Table J-22. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students in public institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	70.32	70.07	70.62	-0.30	-0.55
Did not receive	29.68	29.93	29.38	0.30	0.55
Major					
Liberal arts	11.31	11.86	15.07	-3.76*	-3.21*
Psychology/history	15.87	14.07	17.54	-1.67*	-3.47*
Biology	10.76	9.78	5.58	5.18*	4.20*
Physical sciences	2.47	1.95	1.59	0.88	0.36
Mathematics and statistics	0.90	0.81	1.00	-0.10	-0.19
Computer and information sciences	1.61	1.86	1.73	-0.13	0.13
Engineering	6.00	6.49	6.23	-0.23	0.26
Education	7.31	7.01	7.56	-0.26	-0.55
Business	16.69	17.78	19.09	-2.41	-1.31*
Health professions	5.61	5.76	6.79	-1.18*	-1.03*
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	11.48	12.24	12.67	-1.19	-0.43*
Missing/unknown	9.60	9.92	4.53	5.08*	5.39*
Gender					
Male	42.07	43.98	43.76	-1.69	0.22*
Female	57.93	56.02	56.24	1.69	-0.22*
Age					
17–23	67.39	66.42	68.18	-0.79	-1.76
24 or older	32.61	33.58	31.82	0.79	1.76
CPS match					
Match	51.26	51.37	50.04	1.23	1.33
Did not match	48.74	48.63	49.96	-1.23	-1.33

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* p < .05

¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-23. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students in private nonprofit institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region ²					
New England	15.52	14.31	14.03	1.49	0.28
Mideast	25.88	25.98	22.95	2.93	3.03*
Great Lakes	13.97	14.37	14.69	-0.72	-0.32
Plains	9.19	10.28	9.64	-0.45	0.64
Southeast	19.30	18.92	19.84	-0.54	-0.91
Southwest	4.35	3.92	5.51	-1.16*	-1.59*
Rocky Mountains	3.06	2.81	3.77	-0.72	-0.96
Far West	6.53	7.13	6.89	-0.37	0.24
Outlying areas	2.20	2.27	2.68	-0.48	-0.41*
Institution total enrollment ³					
2,507 or less	28.43	28.95	25.06	3.37*	3.89*
2,508–4,876	21.95	21.28	23.29	-1.34	-2.00
4,877–11,571	21.71	21.95	22.54	-0.83	-0.60
11,572 or more	27.91	27.82	29.10	-1.20	-1.29
Pell Grant status					
Received	23.89	23.61	22.08	1.81	1.54
Did not receive	76.11	76.39	77.92	-1.81	-1.54
Total Pell Grant amount received ³					
\$1,640 or less	27.45	27.86	31.21	-3.77	-3.35*
\$1,641–\$2,860	23.83	25.94	24.01	-0.18	1.93
\$2,861–\$4,310	20.47	19.03	19.88	0.59	-0.85
\$4,311 or more	28.26	27.17	24.90	3.36	2.27
Stafford Loan status					
Received	56.58	56.53	51.66	4.92*	4.87*
Did not receive	43.42	43.47	48.34	-4.92*	-4.87*
Total Stafford Loan amount received ³					
\$5,500 or less	74.02	73.70	75.56	-1.54	-1.86
\$5,501 or more	25.98	26.30	24.44	1.54	1.86
Total PLUS amount received ³					
\$6,225 or less	17.80	14.91	19.58	-1.79	-4.67
\$6,226–\$11,000	27.76	25.80	24.91	2.85	0.88
\$11,001–\$16,096	22.28	29.39	23.98	-1.70	5.41
\$16,097 or more	32.16	29.91	31.52	0.64	-1.62
Federal aid status					
Received	64.32	63.98	60.43	3.89*	3.54*
Did not receive	35.68	36.02	39.57	-3.89*	-3.54*
Institution aid status					
Received	60.58	60.34	60.57	0.01	-0.22
Did not receive	39.42	39.66	39.43	-0.01	0.22
State aid status					
Received	28.92	29.43	29.90	-0.98	-0.47
Did not receive	71.08	70.57	70.10	0.98	0.47

See notes at end of table.

Table J-23. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students in private nonprofit institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	81.97	81.97	83.37	-1.39	-1.40
Did not receive	18.03	18.03	16.63	1.39	1.40
Major					
Liberal arts	16.11	15.87	18.03	-1.92	-2.17*
Psychology/history	13.33	13.21	14.61	-1.28	-1.40
Biology	7.82	8.26	4.69	3.13*	3.57*
Physical sciences	1.07	1.46	1.23	-0.16	0.23
Mathematics and statistics	1.00	1.27	1.25	-0.26	0.02*
Computer and information sciences	2.59	2.22	2.50	0.09	-0.28
Engineering	4.10	3.31	3.70	0.40	-0.39
Education	5.49	5.13	5.81	-0.31	-0.67
Business	19.92	20.66	23.50	-3.58*	-2.84*
Health professions	6.64	5.88	7.40	-0.76*	-1.52
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	10.36	9.57	10.59	-0.24	-1.02
Missing/unknown	10.96	12.51	5.66	5.30*	6.84*
Gender					
Male	38.86	40.99	40.10	-1.24	0.89
Female	61.14	59.01	59.90	1.24	-0.89
Age					
17–23	73.58	71.02	72.93	0.65	-1.91
24 or older	26.42	28.98	27.07	-0.65	1.91
CPS match					
Match	62.15	63.25	60.82	1.32	2.43
Did not match	37.85	36.75	39.18	-1.32	-2.43

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* p < .05

¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles. Stafford Loan amount category was collapsed.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-24. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students in for-profit institutions: 2012

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Mean		Difference	
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean (1) - Mean (3)	Mean (2) - Mean (3)
Institution region²					
New England	‡	‡	‡	‡	‡
Mideast	7.01	8.66	13.10	-6.09*	-4.44*
Great Lakes	11.93	13.12	9.64	2.29	3.48
Plains	‡	‡	‡	‡	‡
Southeast	16.31	17.17	18.39	-2.07	-1.22
Southwest	30.20	31.96	20.03	10.17	11.92
Rocky Mountains	‡	‡	‡	‡	‡
Far West	18.90	13.98	21.81	-2.91*	-7.83
Outlying areas	‡	‡	‡	‡	‡
Institution total enrollment³					
1,972 or less	20.46	16.78	24.20	-3.73*	-7.42
1,972–3,415	14.80	17.53	15.62	-0.82	1.91
3,415–8,142	7.97	13.65	18.34	-10.36	-4.69*
8,142 or more	56.76	52.04	41.84	14.91	10.20*
Pell Grant status					
Received	21.26	20.50	25.79	-4.53	-5.29
Did not receive	78.74	79.50	74.21	4.53	5.29
Total Pell Grant amount received³					
\$1,485 or less	‡	‡	‡	‡	‡
\$1,485–\$2,873	‡	‡	‡	‡	‡
\$2,873–\$4,310	18.29	19.25	14.13	4.16	5.12
\$4,310 or more	‡	‡	‡	‡	‡
Stafford Loan status					
Received	57.35	64.63	63.23	-5.88	1.40
Did not receive	42.65	35.37	36.77	5.88	-1.40
Total Stafford Loan amount received³					
\$3,938 or less	28.84	22.70	30.00	-1.16	-7.30
\$3,938–\$5,500	16.40	26.08	23.83	-7.43	2.25*
\$5,500–\$10,500	34.80	37.71	44.52	-9.72	-6.82
\$10,500 or more	‡	‡	‡	‡	‡
Total PLUS amount received³					
\$5,000 or less	‡	‡	‡	‡	‡
\$5,000–\$8,292	‡	‡	‡	‡	‡
\$8,292–\$11,737	‡	‡	‡	‡	‡
\$11,737 or more	‡	‡	‡	‡	‡
Federal aid status					
Received	63.29	70.06	68.13	-4.84	1.92
Did not receive	36.71	29.94	31.87	4.84	-1.92
Institution aid status					
Received	8.92	10.77	15.35	-6.44*	-4.59*
Did not receive	91.08	89.23	84.65	6.44*	4.59*
State aid status					
Received	9.29	12.89	12.46	-3.16	0.44
Did not receive	90.71	87.11	87.54	3.16	-0.44

See notes at end of table.

Table J-24. Student nonresponse bias for analysis weight 3 (transcript panel) after nonresponse and poststratification adjustments, by select variables for students in for-profit institutions: 2012—Continued

Variable	After nonresponse adjustment mean, respondents, nonresponse adjusted ¹ (1)	After poststratification adjustment			
		Full sample, base weighted (2)	Respondents, adjusted for nonresponse and poststratified (3)	Mean	Difference
				Mean (1) - Mean (3)	Mean (2) - Mean (3)
Any aid status					
Received	79.13	82.67	82.82	-3.69	-0.15
Did not receive	20.87	17.33	17.18	3.69	0.15
Major					
Liberal arts	5.77	6.73	11.33	-5.55*	-4.60*
Psychology/history	‡	‡	‡	‡	‡
Biology	‡	‡	‡	‡	‡
Physical sciences	‡	‡	‡	‡	‡
Mathematics and statistics	‡	‡	‡	‡	‡
Computer and information sciences	7.44	11.98	10.51	-3.07	1.48*
Engineering	‡	‡	‡	‡	‡
Education	‡	‡	‡	‡	‡
Business	39.00	42.09	38.74	0.26	3.35
Health professions	‡	‡	‡	‡	‡
Social sciences	‡	‡	‡	‡	‡
Agricultural sciences	11.10	9.07	18.12	-7.03*	-9.05
Missing/unknown	‡	‡	‡	‡	‡
Gender					
Male	41.44	43.67	43.38	-1.93	0.29
Female	58.56	56.33	56.62	1.93	-0.29
Age					
17–23	11.39	12.94	18.46	-7.06	-5.52*
24 or older	88.61	87.06	81.54	7.06	5.52*
CPS match					
Match	64.86	70.15	70.60	-5.74	-0.45
Did not match	35.14	29.85	29.40	5.74	0.45

‡ Row is suppressed. Contains less than five unweighted nonrespondents.

* $p < .05$ ¹ Base weight, adjusted for nonresponse.

² New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = Alaska, California, Hawaii, Nevada, Oregon, Washington.

³ Categories were defined by quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-25. Nonresponse bias analysis for the item B2PRIVSTAT (private student loan status in 2012), B&B:08/12: 2012

Variable	Unweighted respondents	Unweighted non- respondents	Respondent mean weighted	Non- respondent mean weighted	Estimated bias	Relative bias
Aid received						
Yes	9,760	4,740	75.42	73.91	0.57	0.76
No	1,870	750	24.58	26.09	-0.57	-2.26
Pell Grant status						
Received	4,540	2,180	25.53	24.68	0.32	1.26
Did not receive	7,080	3,320	74.47	75.32	-0.32	-0.42
Stafford Loan status						
Received	6,060	3,400	46.07	53.34	-2.73	-5.59*
Did not receive	5,570	2,090	53.93	46.66	2.73	5.33*
Institution total enrollment ²						
4,760 or less	2,870	1,420	20.72	21.30	-0.22	-1.04
4,761–13,042	2,830	1,450	19.50	23.81	-1.62	-7.67*
13,043–27,210	2,970	1,340	27.68	25.91	0.67	2.47
27,211 or more	2,950	1,290	32.10	28.98	1.17	3.79
Total Pell Grant amount received ²						
\$1,580 or less	1,140	550	25.25	30.63	-2.02	-7.40
\$1,581–\$2,695	1,110	560	26.26	25.13	0.43	1.65
\$2,696–\$4,310	1,130	510	22.22	19.78	0.92	4.31
\$4,311 or more	1,160	560	26.26	24.47	0.67	2.64
Total PLUS loan amount received ²						
\$5,000 or less	170	100	27.06	15.34	4.40	19.39*
\$5,001–\$9,396	160	100	20.11	29.84	-3.65	-15.37
\$9,397–\$14,000	160	100	27.76	26.93	0.31	1.13
\$14,001 or more	150	110	25.07	27.88	-1.05	-4.04
Total Stafford Loan amount received ²						
\$4,410 or less	1,470	900	23.20	24.83	-0.61	-2.56
\$4,411–\$5,500	2,930	1,590	48.58	44.70	1.45	3.09
\$5,501–\$6,498	140	70	1.87	2.82	-0.35	-15.92
\$6,499 or more	1,520	840	26.35	27.65	-0.49	-1.83
Bachelor's degree institution control						
Public	6,800	3,080	65.02	59.13	2.21	3.52*
Private nonprofit	4,270	2,070	31.04	35.52	-1.68	-5.13*
For-profit	540	340	3.94	5.35	-0.53	-11.90
Federal aid status						
Received	7,640	3,990	55.04	60.19	-1.93	-3.39*
Did not receive	3,990	1,510	44.96	39.81	1.93	4.49*
Institution region ¹						
New England	550	330	6.91	6.90	#	0.01
Mideast	2,010	1,040	16.43	19.29	-1.07	-6.12*
Great Lakes	1,860	810	16.55	14.75	0.67	4.24
Plains	1,460	690	8.07	9.04	-0.37	-4.35
Southeast	2,650	1,280	24.55	24.54	#	0.02
Southwest	940	460	8.77	10.34	-0.59	-6.31
Rocky Mountains	600	190	4.43	2.97	0.55	14.06
Far West	1,410	630	12.78	10.94	0.69	5.71
Outlying areas	160	70	1.52	1.22	0.12	8.20

See notes at end of table.

Table J-25. Nonresponse bias analysis for the item B2PRIVSTAT (private student loan status in 2012), B&B:08/12: 2012—Continued

Variable	Unweighted respondents	Unweighted non- respondents	Respondent mean weighted	Non- respondent mean weighted	Estimated bias	Relative bias
Any state aid received						
Yes	4,660	2,130	29.14	24.39	1.78	6.52*
No	6,960	3,360	70.86	75.61	-1.78	-2.46*

Rounds to zero.

* $p < .05$

¹ New England = Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Mideast = Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania; Great Lakes = Illinois, Indiana, Michigan, Ohio, Wisconsin; Plains = Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; Southeast = Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia; Southwest = Arizona, New Mexico, Oklahoma, Texas; Rocky Mountains = Colorado, Idaho, Montana, Utah, Wyoming; Far West = California, Nevada, Oregon, Washington; Outlying Areas = Alaska, Hawaii, and Puerto Rico. Alaska and Hawaii were reclassified from the West to the Outlying Areas for the purposes of NPSAS.

² Categories were formed from continuous variables using quartiles.

NOTE: PLUS = Parent Loan for Undergraduate Students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).

Table J-26. Summary of item nonresponse bias analysis for the B&B:08/12 interview variables that have less than 85 percent response rate: 2012

Variable	Variable label	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant	Percent difference in preimputation and postimputation means
B2CELNHL	Loans being paid by family or friends in 2012	15.50	10.03	44.7	0.03
B2CEOUTLN	Stress from education-related debt in 2012	15.52	9.99	44.7	0.02
B2CNOATTAPP	Reason did not attend additional education: Awaiting decision, as of 2012	29.24	19.92	34.2	#
B2CNOATTFIN	Reason did not attend additional education: Financial reasons, as of 2012	29.24	19.92	34.2	#
B2CNOATTFIT	Reason did not attend additional education: Not right fit, as of 2012	29.24	19.92	34.2	#
B2CNOATTOTH	Reason did not attend additional education: Other, as of 2012	29.24	19.92	34.2	#
B2CNOATTPER	Reason did not attend additional education: Personal reasons, as of 2012	29.24	19.92	34.2	#
B2CNOATTREJ	Reason did not attend additional education: Not accepted, as of 2012	29.24	19.92	34.2	#
B2CPREQ	Reason for non-degree coursework: Prerequisite requirement, as of 2012	16.35	11.67	18.4	#
B2CRSEMP	Reason for non-degree coursework: Current employment, as of 2012	16.35	11.67	18.4	0.01
B2CRSGOAL	Reason for non-degree coursework: Long-term career goal, as of 2012	16.35	11.67	18.4	0.01
B2CRSLTED	Reason for non-degree coursework: Long-term education goal, as of 2012	16.35	11.67	18.4	#
B2CRSOTH	Reason for non-degree coursework: Other, as of 2012	16.35	11.67	18.4	#
B2CRSPERS	Reason for non-degree coursework: Personal enrichment, as of 2012	16.35	11.67	18.4	0.01
B2DCURBEN	Non-career primary job: Working to receive benefits, in 2012	13.86	10.64	36.8	0.03*
B2DCURCAR	Non-career primary job: Exploring career options, in 2012	14.13	12.54	36.8	0.01
B2DCUREDU	Non-career primary job: Working to prepare for education, in 2012	14.09	11.11	31.6	0.01
B2DCUREST	Non-career primary job: Continuing job held before graduating, in 2012	14.95	11.43	36.8	0.01
B2DCURFUT	Non-career primary job: Deciding on future, in 2012	14.32	12.47	34.2	#
B2DCURINT	Non-career primary job: Pursuing other interests, in 2012	14.83	11.71	34.2	0.01
B2DCUROTH	Non-career primary job: Other description, in 2012	16.89	12.56	34.2	0.01
B2DCURSCH	Non-career primary job: Job while in school, in 2012	26.98	23.35	29.0	0.01
B2DWYFR	Reason worked part time in primary job: Family responsibilities, in 2012	16.11	12.87	36.8	#
B2DWYMLJ	Reason worked part time in primary job: Held more than one job, in 2012	16.11	12.87	36.8	0.03
B2DWYNJA	Reason worked part time in primary job: Full-time job not available, in 2012	16.11	12.87	36.8	0.01
B2DWYNOH	Reason worked part time in primary job: Did not want to work more hours, in 2012	16.11	12.87	36.8	0.04*
B2DWYOTH	Reason worked part time in primary job: Other reason, in 2012	16.11	12.87	36.8	0.01
B2DWYSCH	Reason worked part time in primary job: Working while attending school, in 2012	16.11	12.87	36.8	0.01
B2FCONT401K	Contributed to retirement account: 401(k), as of 2012	9.52	6.74	31.6	#
B2FCONT403B	Contributed to retirement account: 403(b), as of 2012	19.46	14.21	34.2	0.02
B2FCONTIRA	Contributed to retirement account: IRA, as of 2012	13.08	9.61	44.7	0.01
B2FCONTOTH	Contributed to retirement account: Other, as of 2012	11.56	9.69	21.1	0.01
B2FCONTPEN	Contributed to retirement account: Pension, as of 2012	13.62	9.75	26.3	0.02
B2FMILITA	Military status in 2012: Veteran	30.64	21.81	18.4	#
B2FMILITB	Military status in 2012: Active duty	30.64	21.81	18.4	#
B2FMILITC	Military status in 2012: Reserves	30.64	21.81	18.4	#

See notes at end of table.

Table J-26. Summary of item nonresponse bias analysis for the B&B:08/12 interview variables that have less than 85 percent response rate: 2012—Continued

Variable	Variable label	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant	Percent difference in preimputation and postimputation means
B2FMILITD	Military status in 2012: National guard	30.64	21.81	18.4	†
B2FRET403B	Retirement account: 403(b), in 2012	5.97	3.87	39.5	0.01
B2FRETOOTH	Retirement account: Other, in 2012	5.78	4.16	34.2	#
B2FRETPEN	Retirement account: Pension, in 2012	5.79	3.70	34.2	0.01
B2PRIVSTAT	Private student loan status in 2012	5.17	4.14	29.0	0.27*
NGNOGDA	Did not apply to graduate school for academic reasons in 2007-08	18.23	12.78	23.7	†
NGNOGDB	Did not apply to graduate school for employment reasons in 2007-08	18.23	12.78	23.7	†
NGNOGDC	Did not apply to graduate school for financial reasons in 2007-08	18.23	12.78	23.7	†
NGNOGDD	Did not apply to graduate school for other reasons in 2007-08	18.23	12.78	23.7	†
B2RPMT_FED	Monthly federal student loan payment in 2012	†	†	†	†
B2RPMT_PRI	Monthly private student loan payment in 2012	†	†	†	†

† Not applicable.

Rounds to zero.

‡ Row is suppressed. Contains less than 30 unweighted nonrespondents.

* $p < .05$

NOTE: The means and medians are computed over the absolute values of the bias and percent relative bias. The bias was computed using the B&B:08/12 bookend weight.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2008/12 Baccalaureate and Beyond Longitudinal Study (B&B:08/12).