

ACT Profile Report - State

Graduating Class 2010
Missouri



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This report provides information about the performance of your 2010 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2010 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

26% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 48,290 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 71% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 7% of the cohort took less than three years of math courses. Of these students, 10% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 12% of these students were college ready. In comparison, 55% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 17% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 37% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 46% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

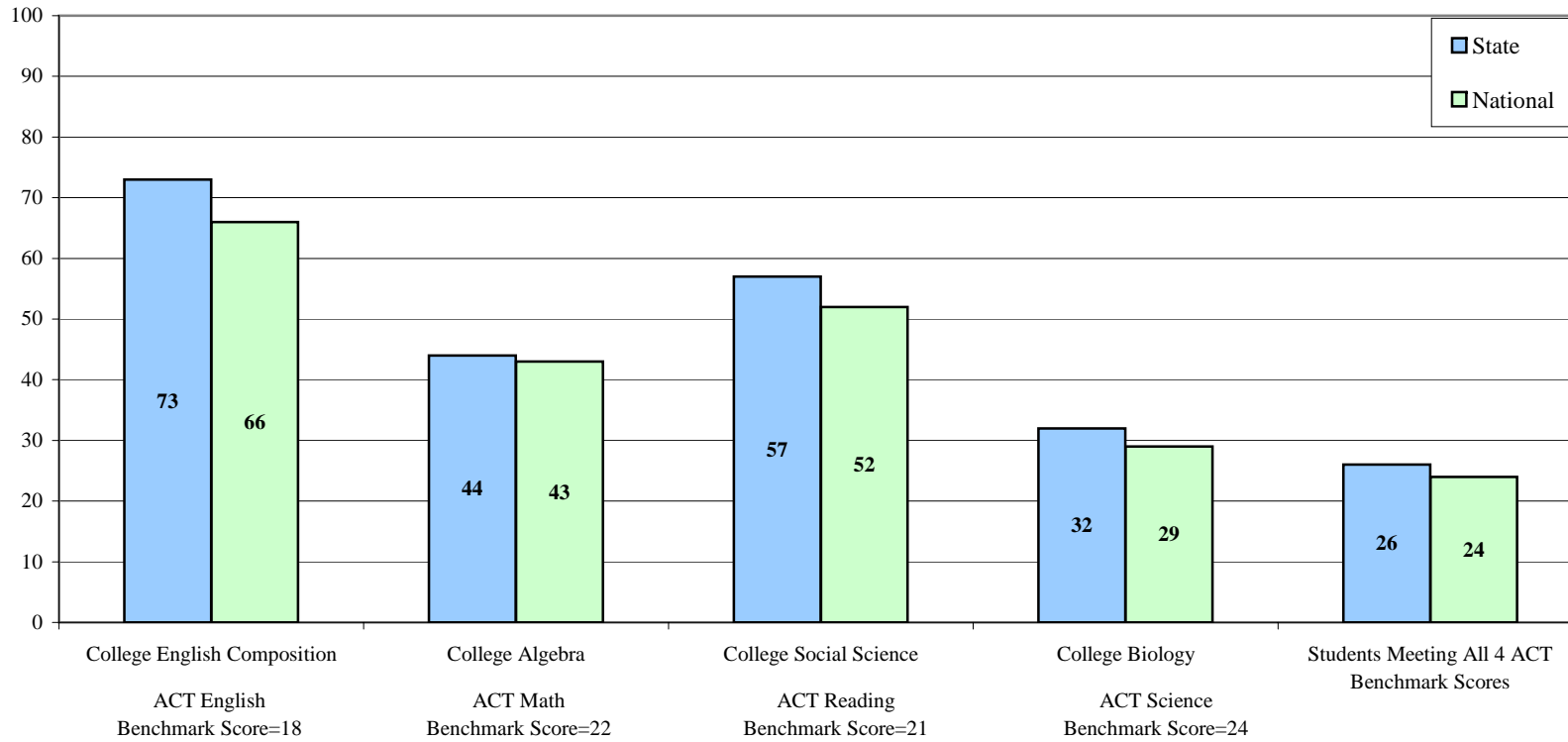
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

Section I

Executive Summary

Total Students in Report: 48,290

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Total Students in Report: 48,290

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2006	42,885	1,206,455	74	69	43	42	57	53	30	27	24	21
2007	45,354	1,300,599	74	69	42	43	56	53	31	28	25	23
2008	47,240	1,421,941	73	68	42	43	57	53	31	28	24	22
2009	46,923	1,480,469	73	67	42	42	57	53	32	28	25	23
2010	48,290	1,568,835	73	66	44	43	57	52	32	29	26	24

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2006	42,885	1,206,455	21.5	20.6	21.0	20.8	22.0	21.4	21.5	20.9	21.6	21.1
2007	45,354	1,300,599	21.5	20.7	21.0	21.0	22.1	21.5	21.5	21.0	21.6	21.2
2008	47,240	1,421,941	21.4	20.6	21.0	21.0	22.0	21.4	21.4	20.8	21.6	21.1
2009	46,923	1,480,469	21.5	20.6	20.9	21.0	22.1	21.4	21.5	20.9	21.6	21.1
2010	48,290	1,568,835	21.5	20.5	21.0	21.0	22.0	21.3	21.6	20.9	21.6	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
2010	1,568,835	20.5	21.0	21.3	20.9	21.0

Total Students in Report: 48,290

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2006	22,852	15,689	53	37	22.9	19.7	22.2	19.4	23.2	20.6	22.5	20.2	22.8	20.1
2007	21,252	16,305	47	36	22.9	19.9	22.3	19.6	23.3	20.9	22.6	20.4	22.9	20.3
2008	27,219	15,728	58	33	22.9	19.7	22.2	19.4	23.2	20.7	22.5	20.1	22.8	20.1
2009	30,628	13,914	65	30	22.9	19.6	22.0	19.2	23.2	20.6	22.5	20.0	22.8	20.0
2010	34,047	12,456	71	26	22.6	19.5	21.9	19.2	22.9	20.3	22.4	20.1	22.6	19.9

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

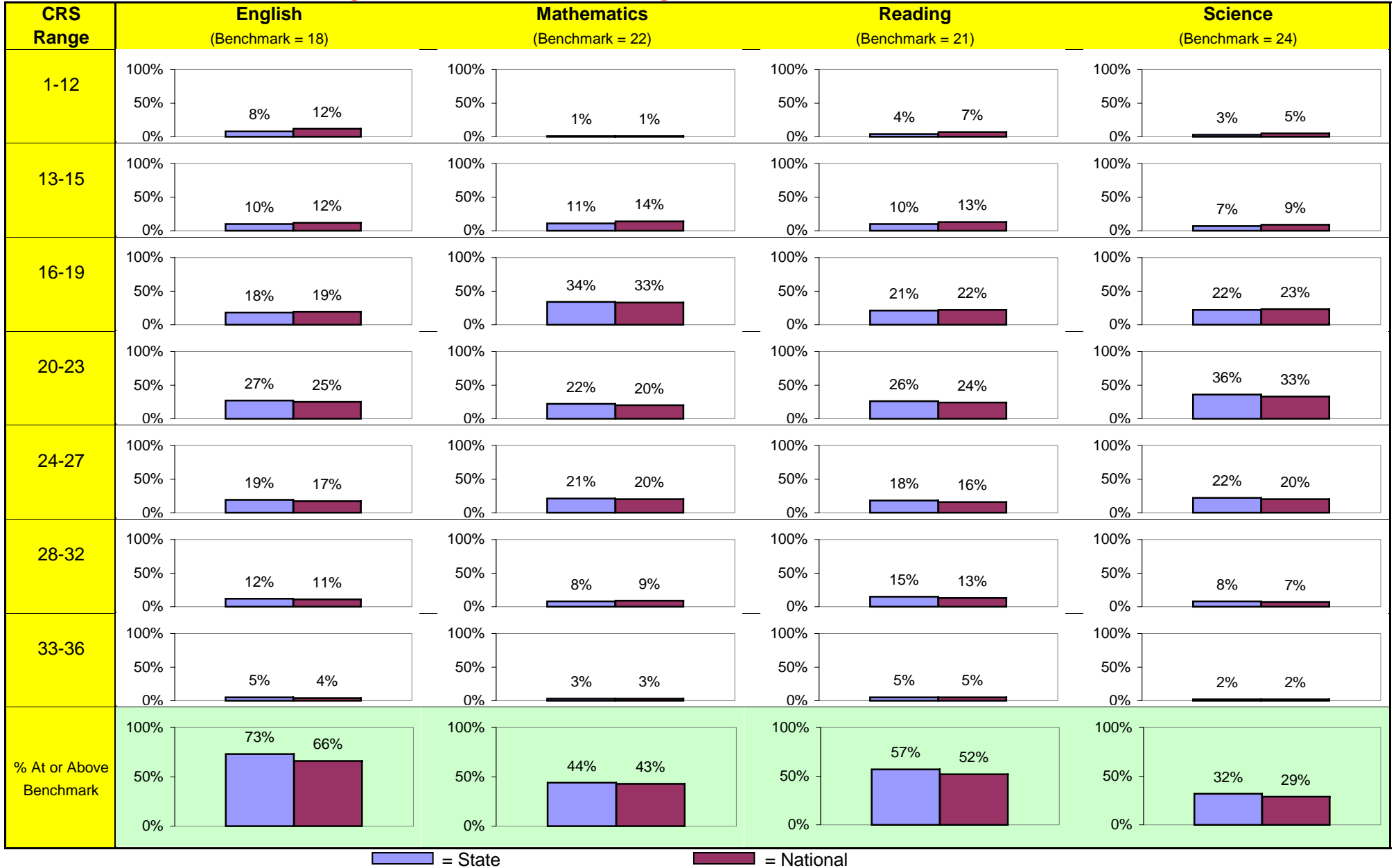
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	42,885	100	21.6	45,354	100	21.6	47,240	100	21.6	46,923	100	21.6	48,290	100	21.6
African American/Black	4,201	10	17.4	4,563	10	17.3	5,190	11	17.2	5,446	12	17.2	5,829	12	17.2
American Indian/Alaska Native	237	1	20.2	254	1	20.5	278	1	20.1	258	1	20.3	344	1	20.7
Caucasian American/White	32,900	77	22.2	32,801	72	22.3	35,534	75	22.3	35,874	76	22.4	37,044	77	22.4
Hispanic	801	2	20.8	926	2	20.2	1,056	2	20.4	1,066	2	20.2	1,241	3	20.2
Asian American/Pacific Islander	818	2	23.0	807	2	23.0	873	2	23.0	849	2	23.8	949	2	23.5
Other/No Response	3,928	9	21.1	6,003	13	21.4	4,309	9	21.1	3,430	7	20.3	2,883	6	20.5

Total Students in Report: 48,290

Table 1.6. Percent of Students in College Readiness Standards Score Ranges



Section II

Academic Achievement

Total Students in Report: 48,290

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	189	100	123	100	364	100	163	100	23	100	36
35	706	100	314	100	385	99	277	100	129	100	35
34	831	98	415	99	797	98	234	99	302	100	34
33	845	96	475	98	1,067	97	407	99	463	99	33
32	768	95	512	97	910	95	253	98	693	98	32
31	910	93	556	96	1,256	93	588	97	1,016	97	31
30	1,297	91	795	95	1,601	90	757	96	897	95	30
29	1,144	89	776	93	1,613	87	934	94	1,195	93	29
28	1,804	86	1,266	92	1,664	83	1,324	93	1,717	90	28
27	1,500	82	1,840	89	1,696	80	1,663	90	2,033	87	27
26	2,461	79	2,112	85	1,875	76	2,057	86	2,262	82	26
25	2,385	74	2,788	81	2,413	73	3,538	82	2,704	78	25
24	2,969	69	3,380	75	2,532	68	3,494	75	3,101	72	24
23	2,521	63	3,101	68	2,684	62	4,220	68	3,425	66	23
22	3,339	58	2,641	62	3,407	57	3,738	59	3,529	59	22
21	3,855	51	2,256	56	3,138	50	4,612	51	3,848	51	21
20	3,261	43	2,787	52	3,531	43	4,681	41	3,680	43	20
19	2,549	36	2,884	46	2,919	36	3,572	32	3,559	36	19
18	1,915	31	3,544	40	2,041	30	3,348	24	3,226	28	18
17	1,937	27	4,634	33	2,938	26	2,016	17	2,742	22	17
16	2,256	23	5,390	23	2,281	20	1,618	13	2,335	16	16
15	2,196	18	3,360	12	1,688	15	1,471	10	2,035	11	15
14	1,647	14	1,569	5	2,136	11	1,021	7	1,453	7	14
13	1,050	10	505	2	1,222	7	987	5	1,081	4	13
12	979	8	197	1	1,063	4	525	3	582	2	12
11	1,076	6	47	1	642	2	398	2	199	1	11
10	736	4	14	1	223	1	224	1	44	1	10
9	559	2	4	1	98	1	119	1	11	1	9
8	393	1	2	1	53	1	33	1	3	1	8
7	140	1	0	1	30	1	6	1	1	1	7
6	44	1	1	1	12	1	8	1	1	1	6
5	20	1	2	1	6	1	2	1	1	1	5
4	7	1	0	1	1	1	0	1	0	1	4
3	1	1	0	1	1	1	1	1	0	1	3
2	0	1	0	1	3	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	21.5 (6.3)		21.0 (5.1)		22.0 (6.0)		21.6 (4.8)		21.6 (5.0)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 48,290

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	2,265	100	819	100	1,270	100	1,697	100	1,805	100	471	100	399	100	18
17	1,800	95	466	98	2,129	97	3,398	96	2,127	96	444	99	333	99	17
16	2,400	92	3,389	97	3,196	93	2,993	89	2,318	92	1,408	98	1,264	98	16
15	3,105	87	3,998	90	3,392	86	3,734	83	3,154	87	1,412	95	2,195	96	15
14	2,704	80	3,492	82	3,324	79	2,780	76	3,266	81	3,866	92	3,568	91	14
13	3,430	75	4,427	75	3,368	72	3,916	70	3,249	74	4,651	84	4,766	84	13
12	3,614	67	6,110	66	5,038	65	4,063	62	4,691	67	4,925	75	4,638	74	12
11	4,402	60	5,692	53	4,749	55	5,084	53	4,757	57	7,087	64	5,649	64	11
10	6,176	51	4,609	41	5,093	45	4,396	43	4,852	47	6,517	50	7,191	53	10
9	4,414	38	4,975	32	5,691	35	3,356	34	3,910	37	7,922	36	5,944	38	9
8	3,363	29	3,540	21	4,058	23	3,620	27	5,583	29	4,265	20	5,326	26	8
7	3,531	22	2,558	14	3,733	14	2,688	19	4,986	18	2,661	11	2,482	15	7
6	2,676	15	1,265	9	1,694	7	3,099	14	2,309	7	880	6	2,102	9	6
5	2,002	9	1,391	6	811	3	2,069	7	778	3	887	4	930	5	5
4	1,292	5	1,069	3	399	2	926	3	331	1	399	2	664	3	4
3	794	2	434	1	252	1	337	1	113	1	381	1	438	2	3
2	305	1	50	1	79	1	128	1	52	1	12	1	329	1	2
1	17	1	6	1	14	1	6	1	9	1	102	1	72	1	1
Avg (SD)	10.7 (3.8)		11.1 (3.3)		11.2 (3.4)		11.2 (3.8)		11.0 (3.5)		10.6 (2.8)		10.4 (3.0)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	26	24	26	25	25
Q2 (50th Percentile)	21	20	22	21	21
Q1 (25th Percentile)	17	17	17	19	18

Total Students in Report: 48,290

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	48,290	71	22.6	19.9
	African American/Black	5,829	65	17.8	16.4
	American Indian/Alaska Native	344	62	22.2	19.2
	Caucasian American/White	37,044	72	23.3	20.4
	Hispanic	1,241	68	21.1	19.1
	Asian American/Pacific Islander	949	79	24.3	21.2
	Other/No Response	2,883	62	22.2	19.7
National	All Students	1,568,835	71	22.0	18.9
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.5	21.0	22.0	21.6	21.6
	African American/Black	16.3	17.0	17.1	17.8	17.2
	American Indian/Alaska Native	20.1	20.0	21.3	21.0	20.7
	Caucasian American/White	22.5	21.7	22.8	22.3	22.4
	Hispanic	19.6	19.7	20.6	20.4	20.2
	Asian American/Pacific Islander	23.1	24.1	22.9	23.5	23.5
	Other/No Response	20.2	20.0	20.9	20.4	20.5
National	All Students	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6

Total Students in Report: 48,290

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	2,571	5	1,327	3	2,613	5	1,081	2
	28 to 32	5,923	12	3,905	8	7,044	15	3,856	8
	24 to 27	9,315	19	10,120	21	8,516	18	10,752	22
	20 to 23	12,976	27	10,785	22	12,760	26	17,251	36
	16 to 19	8,657	18	16,452	34	10,179	21	10,554	22
	13 to 15	4,893	10	5,434	11	5,046	10	3,479	7
	01 to 12	3,955	8	267	1	2,132	4	1,317	3
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	22,023	46	21.2	21.7	21.9	22.2	21.9
	Females	26,243	54	21.8	20.4	22.0	21.1	21.4
	Missing	24	0	16.5	18.0	18.6	19.1	18.1
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	71	49	56	38	31
	Females	75	39	57	28	22
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 48,290

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	34,047	79	22.6	52	21.9	63	22.9	39	22.4	32	22.6
	Less than Core	12,456	61	19.5	27	19.2	45	20.3	19	20.1	14	19.9
	Missing ³	1,787	30	14.8	8	16.2	17	16.4	7	17.0	3	16.2
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who meet all four subject-area benchmarks.

Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	44,610	75	21.9	43,211	48	21.5	43,993	59	22.2	38,641	37	22.2
	Less than Core	2,184	56	18.5	3,352	10	17.0	2,783	46	20.6	8,123	17	19.8
	Missing ³	1,496	29	14.6	1,727	8	16.2	1,514	16	16.3	1,526	7	16.9
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

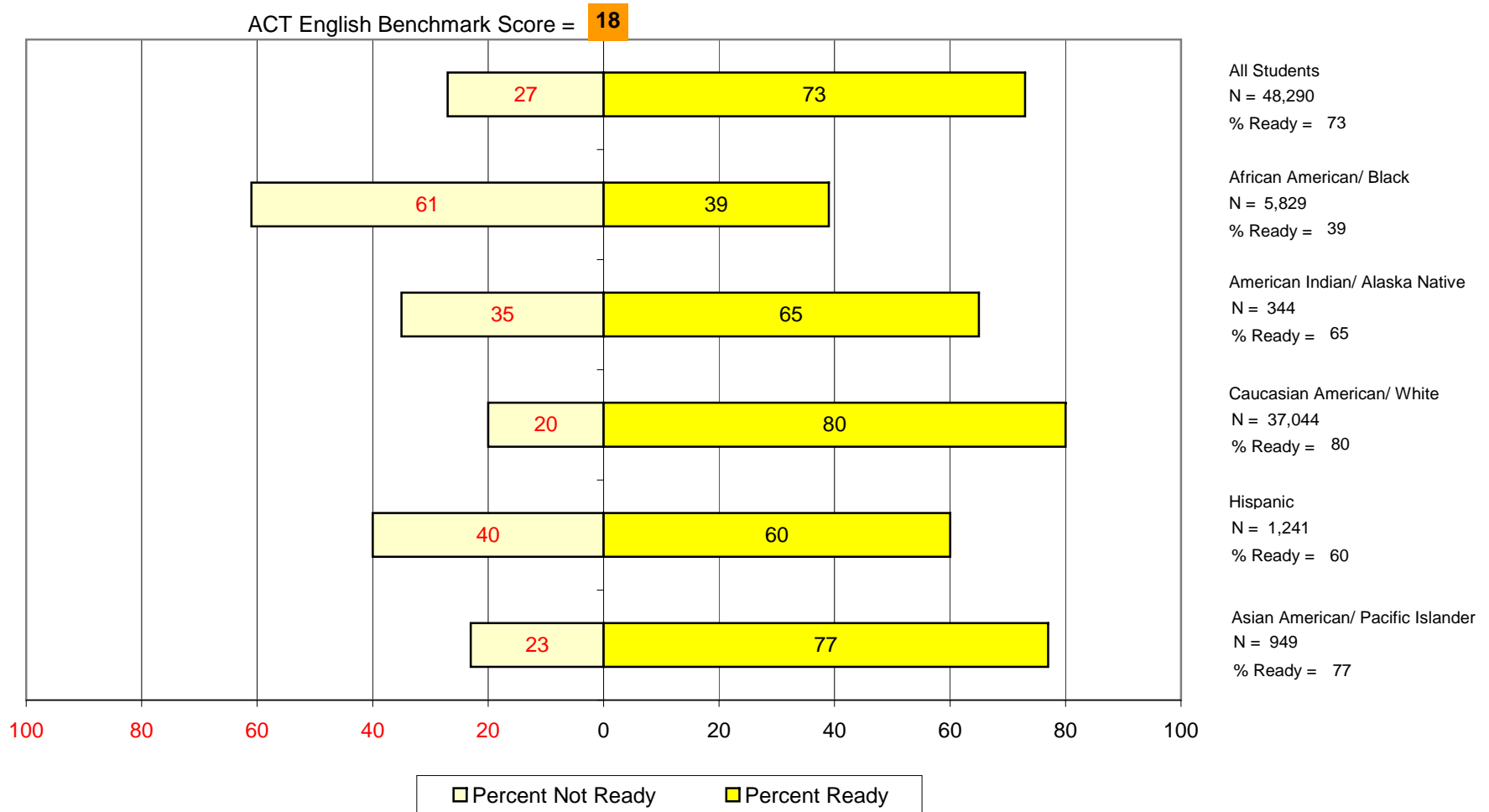
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

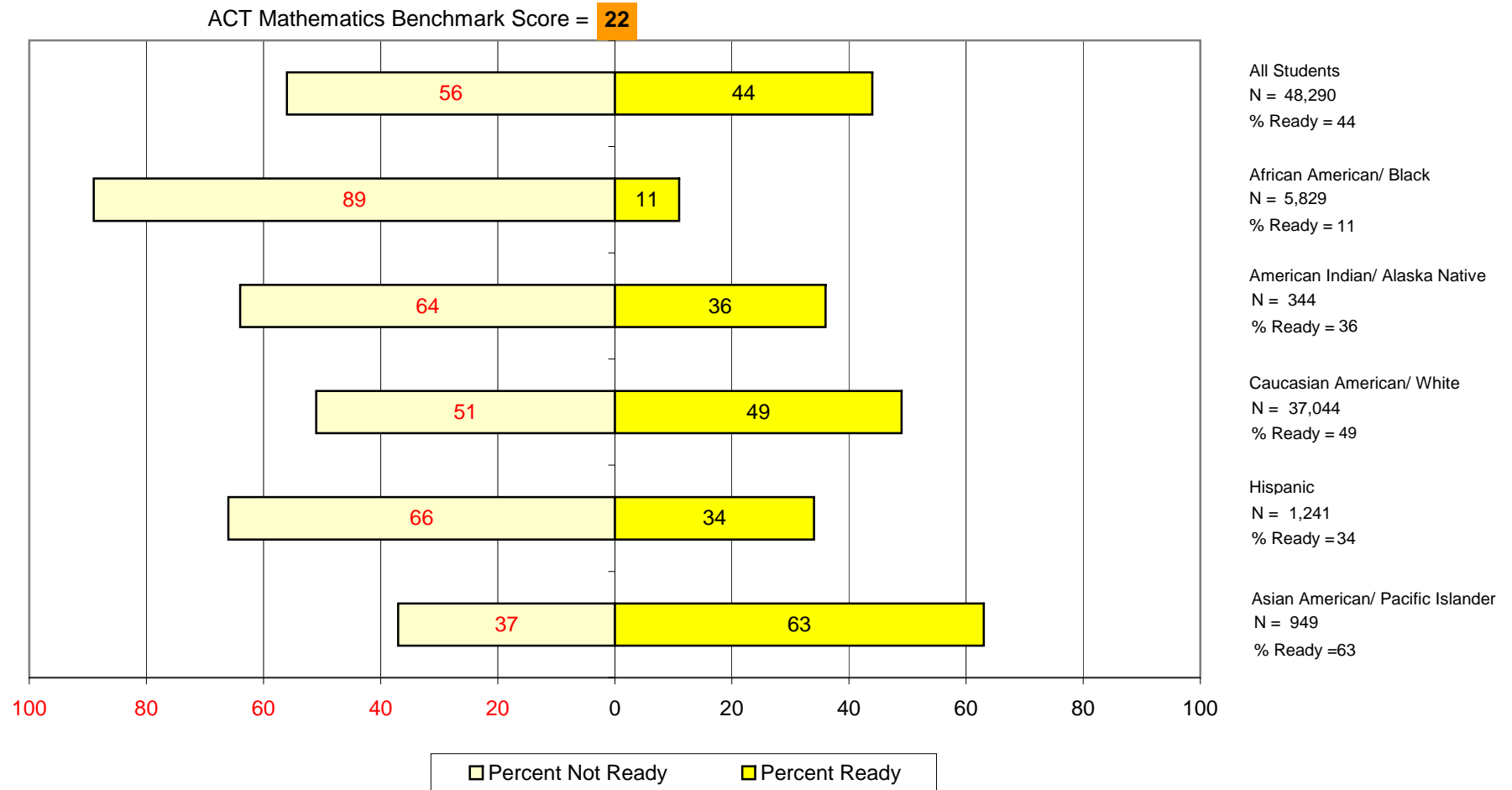
Total Students in Report: 48,290

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH



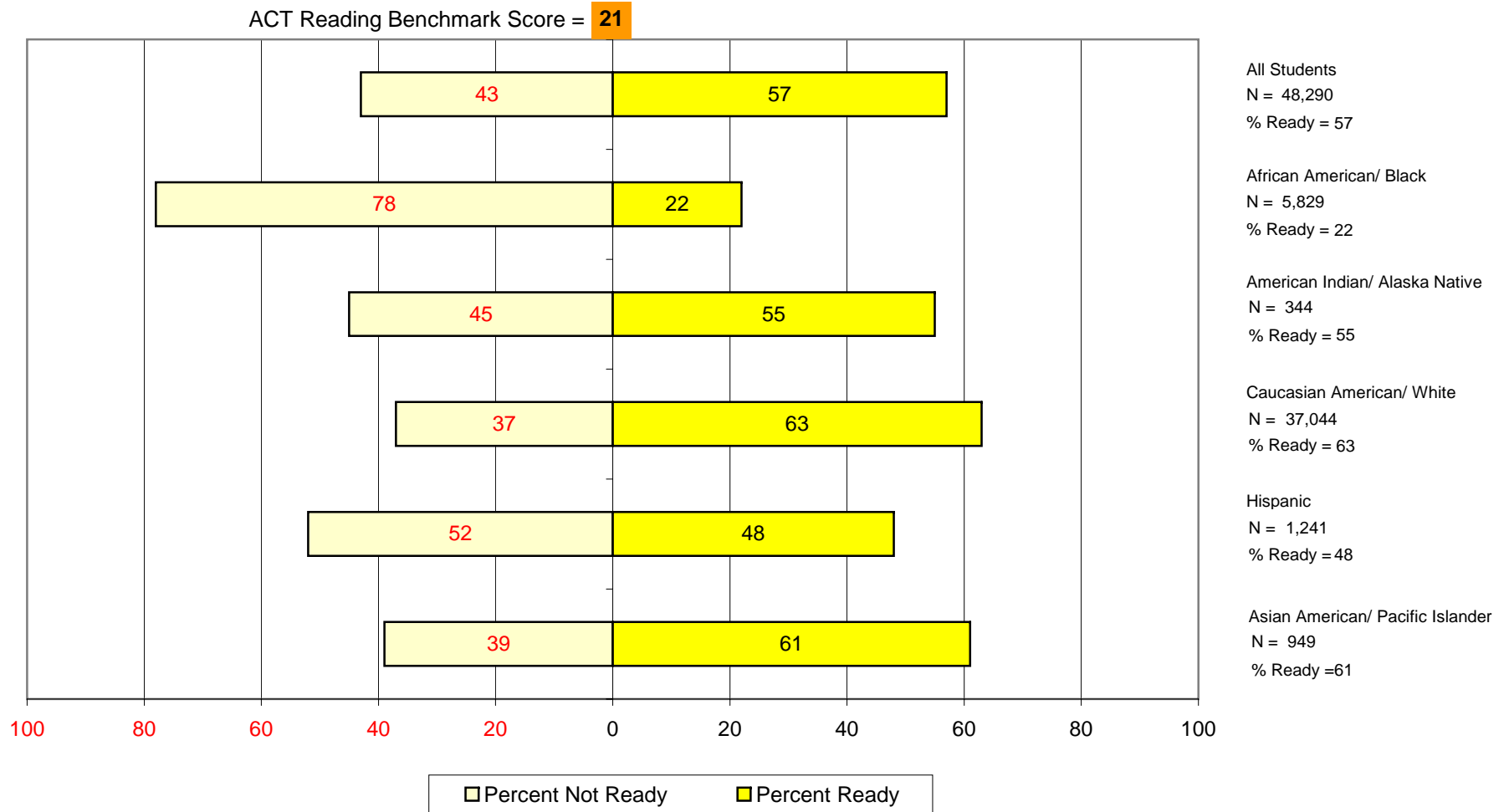
Total Students in Report: 48,290

Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS



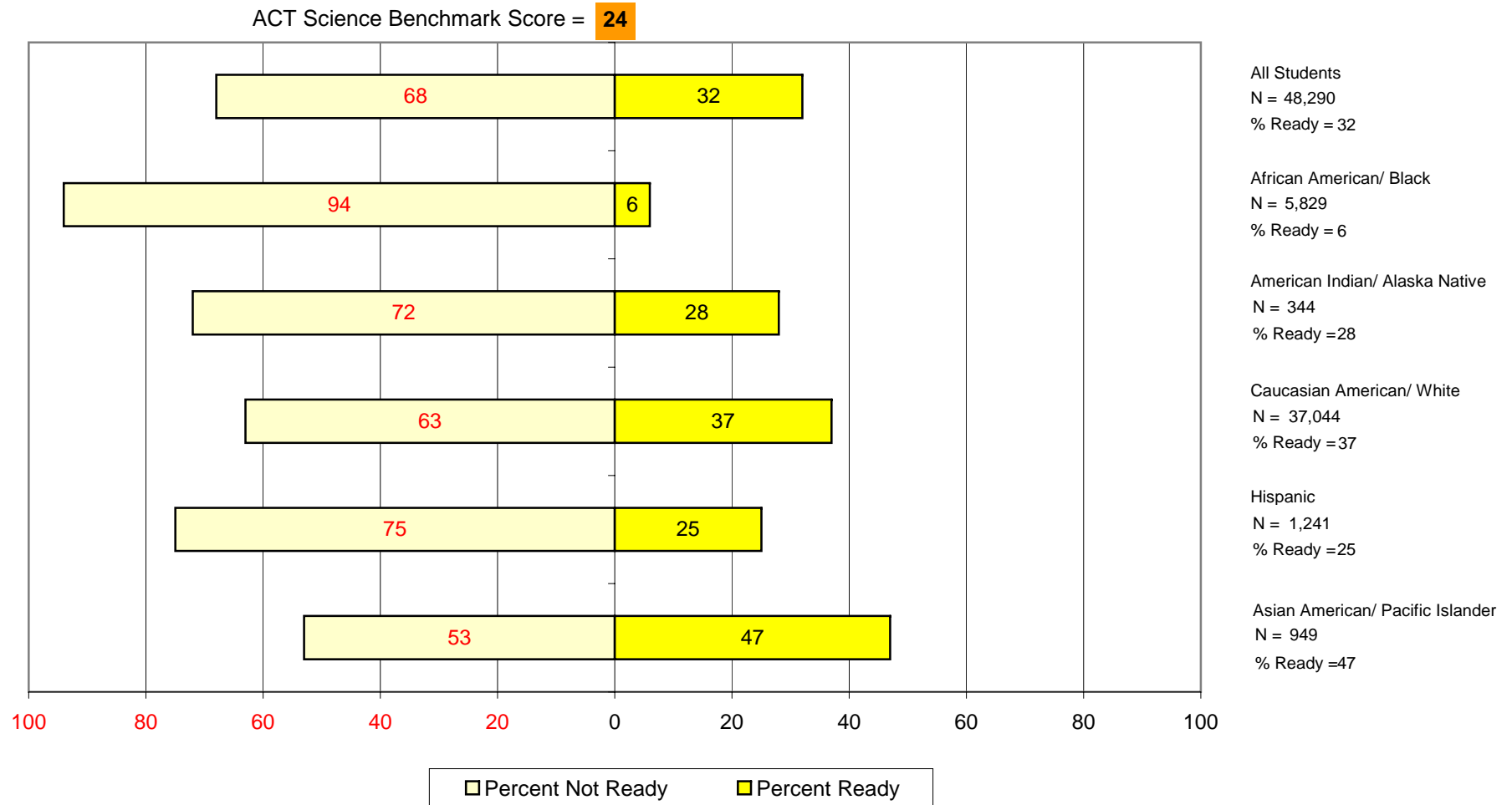
Total Students in Report: 48,290

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



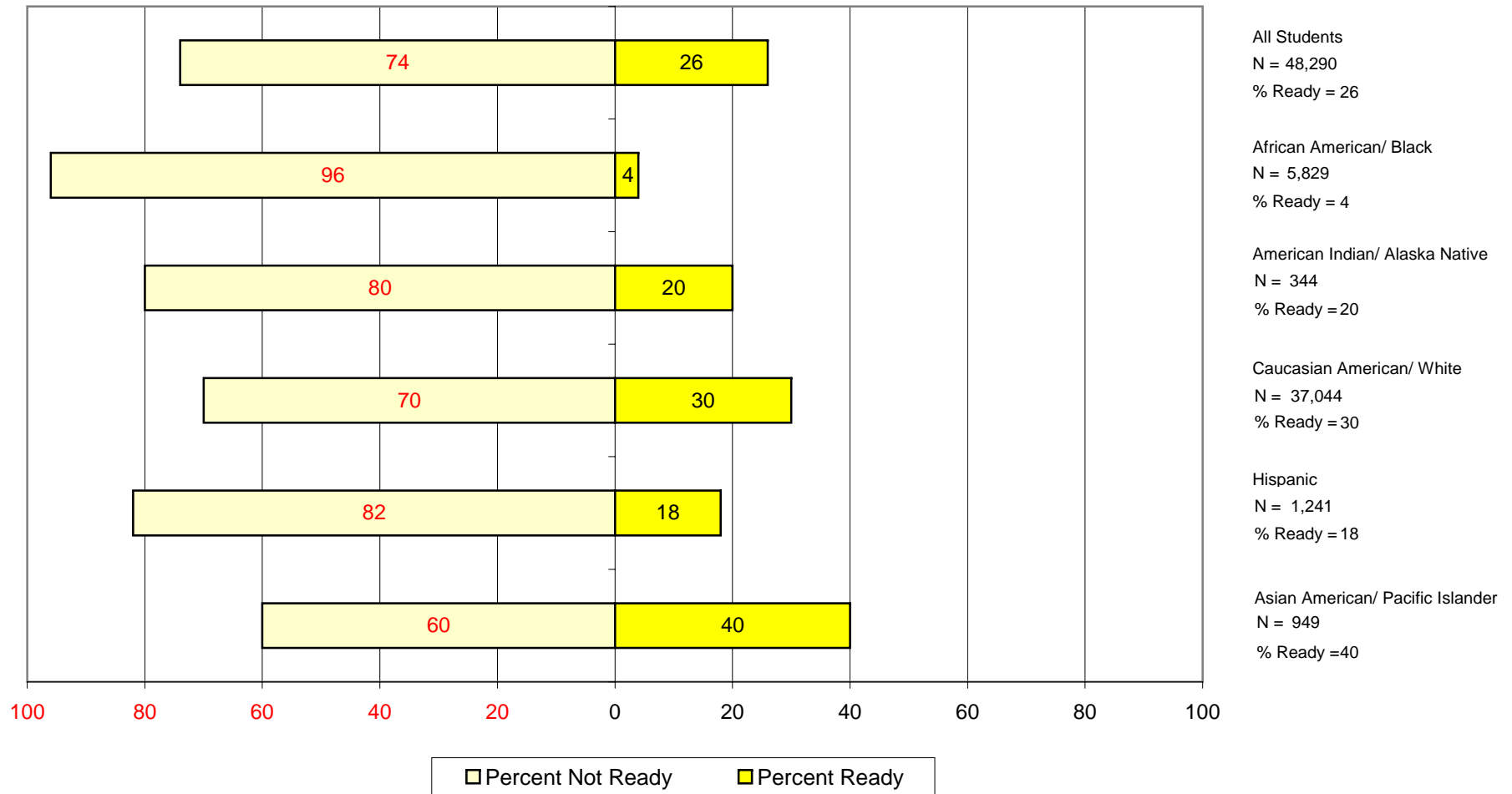
Total Students in Report: 48,290

Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 48,290

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 48,290

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	14,753	31	22.7	4.2	5,940	27	22.4	4.2	8,812	34	22.9	4.1
Eng 9, Eng 10, Eng 11, Eng 12	29,857	62	21.5	3.0	14,284	65	21.3	3.1	15,559	59	21.7	2.9
Less than 4 years of English	2,184	5	18.5	-	975	4	18.2	-	1,203	5	18.8	-
Zero years / no English courses reported	1,496	3	14.6	-	824	4	14.5	-	669	3	14.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,556	5	24.6	7.6	1,244	6	25.4	8.1	1,312	5	23.7	7.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,039	13	22.2	5.2	2,350	11	22.8	5.5	3,687	14	21.8	5.1
Alg 1, Alg 2, Geom, & Trig	3,196	7	19.8	2.8	1,344	6	20.4	3.1	1,852	7	19.4	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	8,120	17	20.1	3.1	3,076	14	20.7	3.4	5,041	19	19.7	3.0
Other comb of 4 or more years of Math	14,289	30	24.0	7.0	7,396	34	24.7	7.4	6,891	26	23.2	6.5
Alg 1, Alg 2, & Geom	7,169	15	17.6	0.6	3,159	14	18.1	0.8	4,000	15	17.2	0.5
Other comb of 3 or 3.5 years of Math	1,842	4	20.0	3.0	934	4	20.3	3.0	907	3	19.8	3.1
Less than 3 years of Math	3,352	7	17.0	-	1,595	7	17.3	-	1,755	7	16.7	-
Zero years / no Math courses reported	1,727	4	16.2	-	925	4	16.3	-	798	3	15.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	2,225	5	22.7	2.1	1,171	5	22.3	1.3	1,054	4	23.1	2.8
Other comb of 4 or more years Social Science	22,961	48	22.8	2.2	10,337	47	22.8	1.8	12,620	48	22.8	2.5
US Hist, World Hist, & Am Gov	5,119	11	20.5	-0.1	2,506	11	20.5	-0.5	2,611	10	20.4	0.1
Other comb of 3 or 3.5 years of Social Science	13,688	28	21.9	1.3	5,845	27	22.0	1.0	7,834	30	21.9	1.6
Less than 3 years of Social Science	2,783	6	20.6	-	1,333	6	21.0	-	1,444	6	20.3	-
Zero years / no Social Science courses reported	1,514	3	16.3	-	831	4	16.3	-	680	3	16.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	17,338	36	22.9	3.1	8,756	40	23.6	3.4	8,579	33	22.2	2.7
Bio, Chem, Phys	3,312	7	23.6	3.8	1,642	7	24.6	4.4	1,669	6	22.6	3.1
Gen Sci ² , Bio, Chem	16,525	34	21.1	1.3	6,366	29	21.4	1.2	10,147	39	20.9	1.4
Other comb of 3 years of Natural Science	1,466	3	21.5	1.7	829	4	22.2	2.0	637	2	20.5	1.0
Less than 3 years of Natural Science	8,123	17	19.8	-	3,588	16	20.2	-	4,530	17	19.5	-
Zero years / no Natural Science courses reported	1,526	3	16.9	-	842	4	17.0	-	681	3	16.7	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years and three years of English and non-English content areas, respectively.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 48,290

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	14,753	31	22.7	80	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	29,857	62	21.5	73	1,096,437	70	20.5	66
Less than 4 years of English	2,184	5	18.5	56	74,180	5	16.4	39
Zero years / no English courses reported	1,496	3	14.6	29	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,556	5	24.6	72	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,039	13	22.2	59	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	3,196	7	19.8	34	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	8,120	17	20.1	36	239,289	15	20.0	36
Other comb of 4 or more years of Math	14,289	30	24.0	68	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	7,169	15	17.6	12	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	1,842	4	20.0	36	74,720	5	19.9	35
Less than 3 years of Math	3,352	7	17.0	10	97,949	6	16.4	7
Zero years / no Math courses reported	1,727	4	16.2	8	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	2,225	5	22.7	60	47,523	3	22.6	60
Other comb of 4 or more years Social Science	22,961	48	22.8	63	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	5,119	11	20.5	46	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	13,688	28	21.9	57	439,520	28	21.2	51
Less than 3 years of Social Science	2,783	6	20.6	46	156,679	10	19.5	39
Zero years / no Social Science courses reported	1,514	3	16.3	16	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	17,338	36	22.9	45	620,765	40	22.2	40
Bio, Chem, Phys	3,312	7	23.6	50	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	16,525	34	21.1	27	474,375	30	20.1	21
Other comb of 3 years of Natural Science	1,466	3	21.5	31	43,231	3	19.7	21
Less than 3 years of Natural Science	8,123	17	19.8	17	231,566	15	18.3	12
Zero years / no Natural Science courses reported	1,526	3	16.9	7	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 48,290

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	1,127	2	19.7	139	5	17.3	945	2	20.1
Architecture & Environmental Design	924	2	21.7	48	2	17.1	841	2	22.0
Business & Management	4,395	9	21.4	193	7	17.5	3,959	10	21.6
Business & Office	310	1	19.6	31	1	16.5	258	1	20.1
Marketing & Distribution	422	1	20.7	14	0	16.5	388	1	21.0
Communications & Comm. Technologies	1,289	3	22.0	50	2	17.7	1,175	3	22.3
Community & Personal Services	1,131	2	19.2	133	5	16.9	921	2	19.6
Computer & Information Sciences	1,150	2	22.3	97	3	18.8	987	2	22.6
Cross-Disciplinary Studies	55	0	24.5	1	0	14.0	49	0	24.8
Education	2,434	5	21.1	84	3	17.3	2,237	5	21.3
Teacher Education	1,771	4	20.6	53	2	17.1	1,649	4	20.8
Engineering	1,836	4	23.7	82	3	16.7	1,673	4	24.2
Engineering-Related Technologies	1,387	3	23.1	97	3	17.8	1,228	3	23.6
Foreign Languages	222	0	23.3	14	0	15.6	195	0	24.1
Health Sciences & Allied Health Fields	9,689	20	21.3	657	23	17.5	8,655	21	21.7
Human, Family & Consumer Science	672	1	19.0	102	4	17.2	544	1	19.4
Letters	333	1	24.6	7	0	19.9	312	1	24.7
Mathematics	329	1	24.7	7	0	16.4	308	1	25.0
Philosophy, Religion & Theology	280	1	22.8	9	0	20.7	254	1	23.0
Sciences (Biological & Physical)	2,573	5	24.1	34	1	17.9	2,446	6	24.2
Social Sciences	2,766	6	22.6	41	1	16.6	2,630	6	22.7
Trade & Industrial	645	1	18.3	342	12	17.7	272	1	19.2
Visual & Performing Arts	3,253	7	21.5	195	7	17.3	2,834	7	21.8
Undecided	7,857	16	22.4	410	14	17.5	6,699	16	22.7
No Response	1,440	3	17.0	69	2	14.1	204	0	17.5

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 48,290

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/ Black		American Indian/ Alaska Native		Caucasian American/White		Hispanic		Asian American/ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	643	17.2	71	14.6	10	14.9	494	17.9	17	16.5	11	14.7	40	15.2
2-yr College Degree	2,266	17.4	372	14.5	22	15.7	1,642	18.2	78	16.2	23	17.6	129	16.9
Bachelors Degree	20,861	20.8	2,062	16.6	136	20.0	17,006	21.4	460	19.7	257	20.5	940	20.0
Graduate Study	8,200	23.6	777	18.5	53	22.0	6,652	24.3	182	22.6	146	24.4	390	22.7
Prof. Level Degree	12,602	23.3	1,883	18.3	104	23.2	8,971	24.3	363	21.8	444	25.6	837	22.9
Other	1,168	18.5	239	15.3	9	14.8	766	19.7	43	17.3	22	20.1	89	17.7
No Response	2,550	20.0	425	16.2	10	20.4	1,513	22.0	98	17.5	46	24.7	458	17.2

Total Students in Report: 48,290

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges							
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36	
UNIV OF MISSOURI-COLUMBIA	Missouri	9,722	4,128	5,594	1	5	16	32	29	16	2	
MISSOURI STATE UNIVERSITY	Missouri	7,279	2,263	5,016	1	5	23	35	25	10	1	
SOUTHEAST MISSOURI STATE UNIVERSITY	Missouri	3,406	1,222	2,184	1	9	27	34	21	7	1	
UNIVERSITY OF CENTRAL MISSOURI	Missouri	3,402	1,138	2,264	1	9	30	35	20	6	0	
UNIV OF MISSOURI-KANSAS CITY	Missouri	2,765	756	2,009	2	8	19	31	25	14	1	
NORTHWEST MISSOURI ST UNIV	Missouri	2,719	932	1,787	1	8	28	36	20	7	0	
TRUMAN STATE UNIVERSITY	Missouri	2,672	806	1,866	0	3	11	26	33	23	3	
SAINT LOUIS UNIVERSITY	Missouri	2,054	502	1,552	2	9	17	25	26	18	3	
UNIVERSITY OF MISSOURI-ST LOUIS	Missouri	1,904	389	1,515	2	10	25	32	22	9	1	
MISSOURI UNIV OF SCIENCE & TECHNOLOGY	Missouri	1,838	819	1,019	0	2	9	23	35	26	5	
LINDENWOOD UNIVERSITY	Missouri	1,642	515	1,127	1	9	29	36	19	6	0	
MISSOURI WESTERN STATE UNIVERSITY	Missouri	1,517	613	904	3	13	36	30	14	3	0	
WASHINGTON UNIVERSITY IN ST LOUIS	Missouri	1,342	346	996	2	6	13	19	23	29	8	
MISSOURI SOUTHERN STATE UNIV	Missouri	1,321	437	884	1	9	32	35	16	6	0	
DRURY UNIVERSITY	Missouri	1,293	333	960	1	6	20	30	28	14	1	
COLLEGE OF THE OZARKS	Missouri	1,268	599	669	1	7	31	36	19	5	0	
OZARKS TECHNICAL COMMUNITY COLLEGE	Missouri	1,203	495	708	2	12	36	34	14	3	0	
UNIVERSITY OF KANSAS	Kansas	1,104	296	808	1	7	16	29	28	17	2	
NCAA ELIGIBILITY CENTER	Indiana	1,075	541	534	1	7	25	31	24	11	2	
LINCOLN UNIVERSITY	Missouri	770	231	539	6	28	37	19	8	2	0	
COLUMBIA COLLEGE	Missouri	761	221	540	1	11	34	34	16	4	1	
SOUTHWEST BAPTIST UNIVERSITY	Missouri	761	216	545	1	6	24	36	24	9	1	
WEBSTER UNIVERSITY	Missouri	731	186	545	3	10	21	32	23	10	1	
CENTRAL METHODIST UNIVERSITY	Missouri	682	228	454	1	8	28	35	21	7	0	
KANSAS STATE UNIVERSITY	Kansas	682	160	522	1	9	22	26	25	16	1	
MARYVILLE UNIV OF SAINT LOUIS	Missouri	676	201	475	1	7	24	33	28	9	0	
UNIVERSITY OF ARKANSAS	Arkansas	665	201	464	0	2	16	31	31	19	1	
WILLIAM JEWELL COLLEGE	Missouri	628	140	488	1	6	17	30	29	16	1	
SAINT LOUIS COMM COLL-MERAMEC	Missouri	625	207	418	3	15	37	29	14	2	0	
CROWDER COLLEGE	Missouri	623	254	369	1	14	37	33	12	3	0	
All Other Institutions		38,000	11,122	26,878	2	12	25	26	19	13	3	
Total		95,130	30,497	64,633	2	9	23	30	22	12	2	

Section V Optional Writing Test Results

Total Students in Report: 48,290

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
			State	National	State	National	State	National
All Students	7,627	869,014	24.6	21.4	7.3	7.1	23.3	20.8
African American/Black	916	107,638	18.6	16.4	6.5	6.4	18.1	16.4
American Indian/Alaska Native	54	6,232	23.4	18.9	6.9	6.6	21.9	18.4
Caucasian American/White	5,435	518,004	25.7	23.0	7.4	7.3	24.1	22.1
Hispanic	273	101,126	21.2	18.1	6.9	6.9	20.3	18.1
Asian American/Pacific Islander	333	49,922	27.5	23.6	8.0	7.7	26.0	22.9
Other/No Response	616	86,092	24.6	21.0	7.3	7.1	23.3	20.4
Males	3,379	384,152	24.6	21.1	7.1	6.9	23.1	20.3
Females	4,245	484,023	24.7	21.7	7.5	7.3	23.4	21.2
Missing	3	839	14.3	16.8	6.7	6.3	15.0	16.6

