

ACT Profile Report - State

Graduating Class 2010
Colorado



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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

23% 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: 52,115 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. 61% 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 10% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 14% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 10% of these students were college ready. In comparison, 52% 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. 12% of these students were college ready. In comparison, 33% 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 53% 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.

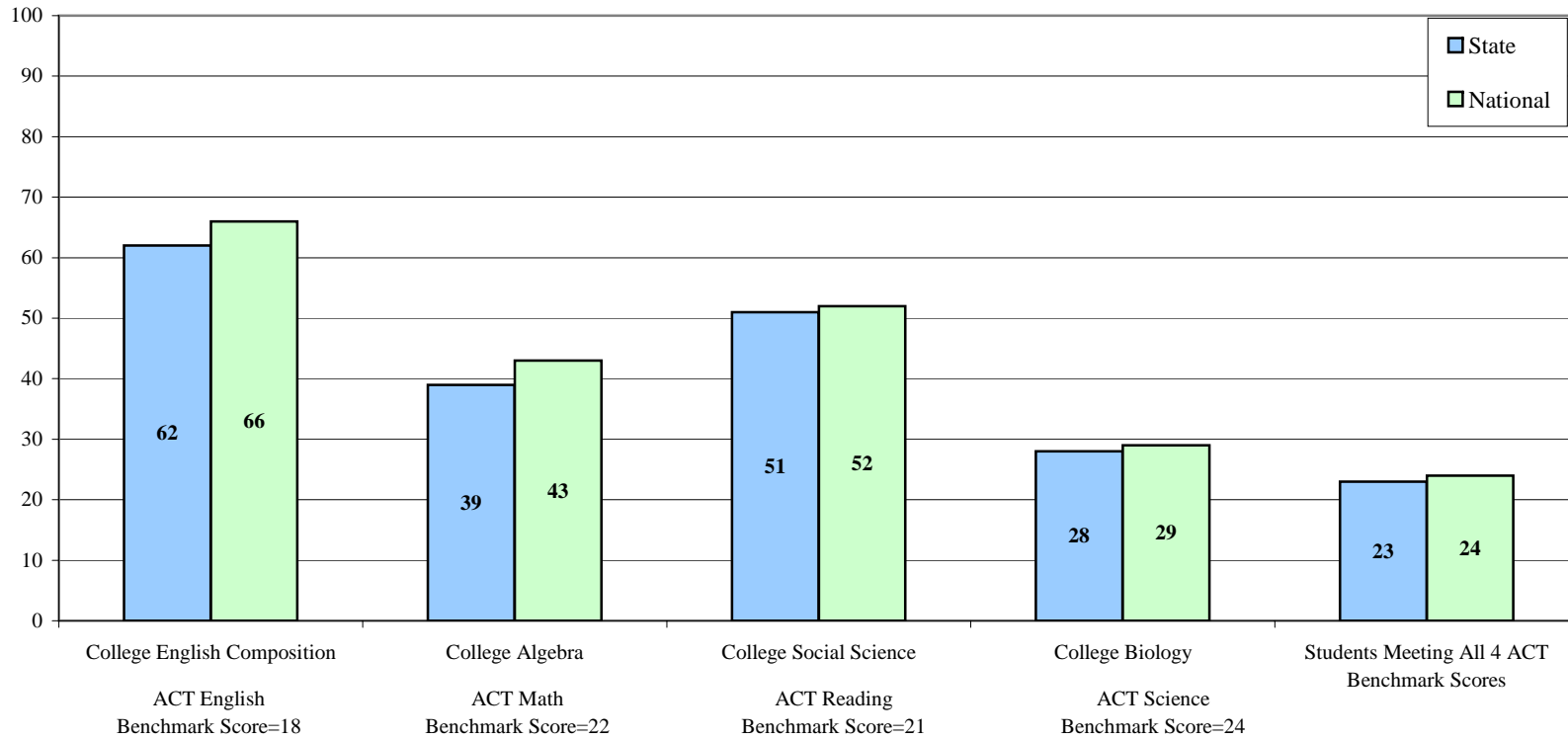
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 303-337-3273.

Section I

Executive Summary

Total Students in Report: 52,115

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: 52,115

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	47,105	1,206,455	63	69	35	42	49	53	25	27	19	21
2007	49,146	1,300,599	63	69	37	43	47	53	24	28	20	23
2008	50,420	1,421,941	62	68	38	43	48	53	25	28	20	22
2009	51,087	1,480,469	64	67	39	42	51	53	28	28	22	23
2010	52,115	1,568,835	62	66	39	43	51	52	28	29	23	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	47,105	1,206,455	19.7	20.6	19.9	20.8	20.8	21.4	20.4	20.9	20.3	21.1
2007	49,146	1,300,599	19.7	20.7	20.1	21.0	20.8	21.5	20.4	21.0	20.4	21.2
2008	50,420	1,421,941	19.8	20.6	20.3	21.0	20.8	21.4	20.4	20.8	20.5	21.1
2009	51,087	1,480,469	20.1	20.6	20.5	21.0	21.1	21.4	20.8	20.9	20.8	21.1
2010	52,115	1,568,835	19.9	20.5	20.4	21.0	21.1	21.3	20.7	20.9	20.6	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: 52,115

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					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	22,505	18,350	48	39	21.6	17.7	21.5	18.1	22.5	19.0	21.9	18.9	22.0	18.6
2007	22,979	19,059	47	39	21.8	17.6	21.9	18.2	22.6	18.9	22.1	18.8	22.2	18.5
2008	28,084	17,279	56	34	21.7	17.5	21.9	18.3	22.5	18.9	21.9	18.6	22.1	18.5
2009	30,390	16,169	59	32	21.9	17.8	22.1	18.4	22.7	19.0	22.2	19.0	22.4	18.7
2010	31,733	15,813	61	30	21.8	17.3	21.9	18.2	22.6	18.9	22.1	18.7	22.2	18.4

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.

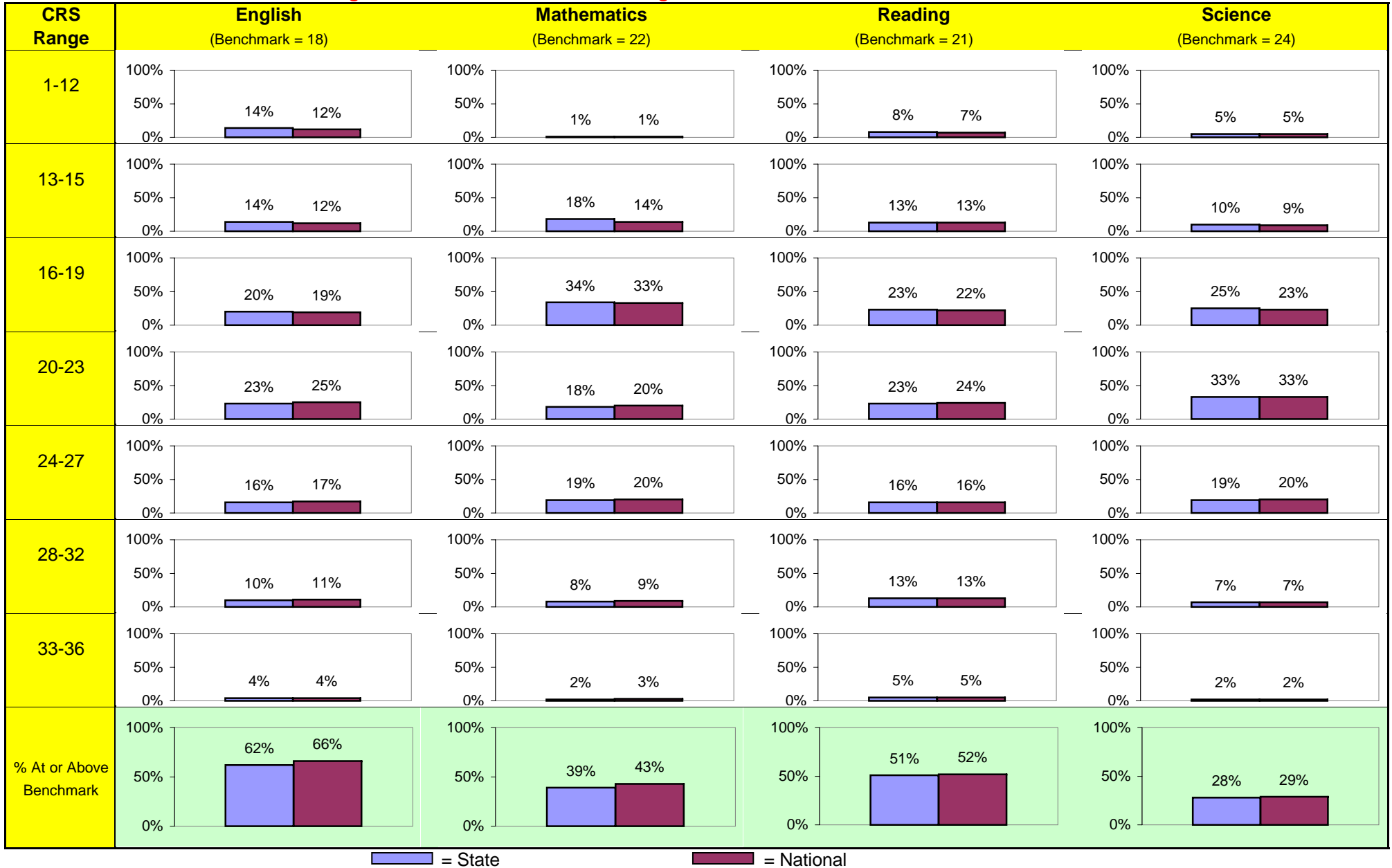
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	47,105	100	20.3	49,146	100	20.4	50,420	100	20.5	51,087	100	20.8	52,115	100	20.6
African American/Black	1,678	4	17.1	1,840	4	17.2	1,973	4	17.1	2,003	4	17.7	2,289	4	17.4
American Indian/Alaska Native	860	2	17.9	850	2	17.6	913	2	17.9	916	2	18.1	556	1	18.8
Caucasian American/White	25,462	54	21.7	26,304	54	21.8	28,195	56	21.9	28,835	56	22.2	31,165	60	22.1
Hispanic	6,370	14	17.3	6,571	13	17.2	7,431	15	17.2	7,992	16	17.6	8,997	17	17.2
Asian American/Pacific Islander	1,487	3	20.9	1,585	3	20.9	1,577	3	21.4	1,676	3	21.6	1,702	3	21.7
Other/No Response	11,248	24	19.7	11,996	24	19.8	10,331	20	19.5	9,665	19	19.7	7,406	14	19.6

Total Students in Report: 52,115

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



Section II

Academic Achievement

Total Students in Report: 52,115

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	116	100	62	100	351	100	128	100	13	100	36
35	599	100	248	100	495	99	261	100	115	100	35
34	562	99	296	99	815	98	250	99	269	100	34
33	568	98	382	99	889	97	424	99	371	99	33
32	597	96	557	98	1,062	95	98	98	512	99	32
31	753	95	509	97	1,268	93	609	98	801	98	31
30	1,228	94	922	96	1,373	91	800	97	1,039	96	30
29	977	92	987	94	1,460	88	868	95	1,276	94	29
28	1,638	90	1,355	92	1,597	85	1,168	93	1,537	92	28
27	1,146	86	2,135	90	1,707	82	1,535	91	1,959	89	27
26	1,991	84	2,322	86	1,935	79	2,393	88	2,177	85	26
25	2,667	80	2,306	81	2,278	75	3,378	84	2,502	81	25
24	2,371	75	3,281	77	2,258	71	2,571	77	2,863	76	24
23	2,345	71	2,439	71	2,498	66	3,887	72	3,149	70	23
22	3,078	66	2,426	66	4,017	62	4,060	65	3,276	64	22
21	3,420	60	2,255	61	2,578	54	4,465	57	3,479	58	21
20	3,220	54	2,494	57	2,713	49	4,602	48	3,528	51	20
19	3,067	48	2,749	52	3,787	44	2,700	40	3,388	45	19
18	2,112	42	4,011	47	2,215	37	4,289	34	3,505	38	18
17	2,754	38	4,505	39	2,436	32	2,253	26	3,377	31	17
16	2,313	32	6,195	30	3,481	28	3,533	22	3,115	25	16
15	2,936	28	5,563	19	1,950	21	1,999	15	2,862	19	15
14	2,638	22	2,901	8	1,991	17	1,566	11	2,649	13	14
13	1,751	17	838	2	2,734	13	1,439	8	2,269	8	13
12	1,035	14	212	1	2,135	8	1,050	5	1,357	4	12
11	2,279	12	132	1	800	4	793	3	563	1	11
10	1,357	8	16	1	876	2	566	2	117	1	10
9	1,022	5	0	1	216	1	236	1	32	1	9
8	992	3	9	1	13	1	120	1	8	1	8
7	418	1	0	1	108	1	47	1	4	1	7
6	103	1	5	1	44	1	21	1	2	1	6
5	39	1	0	1	21	1	2	1	1	1	5
4	14	1	2	1	0	1	1	1	0	1	4
3	6	1	0	1	9	1	3	1	0	1	3
2	3	1	0	1	4	1	0	1	0	1	2
1	0	1	1	1	1	1	0	1	0	1	1
Avg (SD)	19.9 (6.5)		20.4 (5.2)		21.1 (6.3)		20.7 (5.1)		20.6 (5.3)		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: 52,115

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	1,516	100	492	100	1,328	100	1,069	100	1,894	100	328	100	478	100	18
17	1,881	97	870	99	1,727	97	2,932	98	2,060	96	536	99	179	99	17
16	1,614	93	2,037	97	2,505	94	2,961	92	2,199	92	1,189	98	1,174	99	16
15	2,981	90	3,449	93	3,893	89	3,844	87	2,568	88	1,395	96	2,923	96	15
14	2,840	85	3,592	87	3,166	82	3,293	79	2,620	83	3,811	93	4,397	91	14
13	2,515	79	3,047	80	3,214	76	1,719	73	4,150	78	3,587	86	3,543	82	13
12	3,494	74	6,276	74	4,458	70	4,376	70	3,433	70	5,794	79	5,914	76	12
11	3,876	68	5,011	62	6,564	61	5,063	61	5,195	64	5,492	68	6,618	64	11
10	5,939	60	5,978	52	4,717	48	6,627	52	3,435	54	8,704	58	5,284	52	10
9	4,164	49	4,767	41	5,138	39	3,553	39	5,309	47	6,684	41	8,391	41	9
8	5,267	41	5,529	32	6,893	30	3,573	32	6,134	37	5,104	28	4,986	25	8
7	3,825	31	3,756	21	3,551	16	3,155	25	6,451	25	4,216	18	3,828	16	7
6	3,669	23	1,756	14	2,339	10	2,887	19	4,279	13	2,530	10	489	8	6
5	3,138	16	2,690	11	1,460	5	3,911	14	1,860	5	418	5	2,365	8	5
4	3,249	10	1,857	5	733	2	2,257	6	387	1	1,468	4	253	3	4
3	1,358	4	783	2	107	1	565	2	50	1	703	2	951	2	3
2	697	2	214	1	258	1	325	1	77	1	2	1	115	1	2
1	92	1	11	1	64	1	5	1	14	1	154	1	227	1	1
Avg (SD)	9.8 (4.0)		10.3 (3.5)		10.8 (3.5)		10.5 (3.9)		10.5 (3.6)		10.1 (3.0)		10.4 (3.1)		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)	24	24	25	24	24
Q2 (50th Percentile)	20	19	21	21	20
Q1 (25th Percentile)	15	16	16	17	17

Total Students in Report: 52,115

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	52,115	61	22.2	18.4
	African American/Black	2,289	53	18.7	16.5
	American Indian/Alaska Native	556	52	20.3	17.2
	Caucasian American/White	31,165	67	23.3	19.7
	Hispanic	8,997	47	18.7	16.1
	Asian American/Pacific Islander	1,702	73	22.8	19.2
	Other/No Response	7,406	52	21.3	17.8
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	19.9	20.4	21.1	20.7	20.6
	African American/Black	16.2	17.3	17.6	17.9	17.4
	American Indian/Alaska Native	17.6	18.7	19.3	19.2	18.8
	Caucasian American/White	21.7	21.6	22.7	22.0	22.1
	Hispanic	15.6	17.5	17.4	17.7	17.2
	Asian American/Pacific Islander	20.7	22.5	21.2	21.8	21.7
	Other/No Response	18.7	19.3	20.1	19.7	19.6
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: 52,115

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	1,845	4	988	2	2,550	5	1,063	2
	28 to 32	5,193	10	4,330	8	6,760	13	3,543	7
	24 to 27	8,175	16	10,044	19	8,178	16	9,877	19
	20 to 23	12,063	23	9,614	18	11,806	23	17,014	33
	16 to 19	10,246	20	17,460	34	11,919	23	12,775	25
	13 to 15	7,325	14	9,302	18	6,675	13	5,004	10
	01 to 12	7,268	14	377	1	4,227	8	2,839	5
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	25,064	48	19.3	20.9	20.8	21.1	20.7
	Females	26,153	50	20.5	20.0	21.4	20.4	20.7
	Missing	898	2	17.0	18.2	18.7	18.7	18.3
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	59	43	49	31	25
	Females	66	36	53	25	20
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 52,115

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	31,733	75	21.8	51	21.9	62	22.6	37	22.1	31	22.2
	Less than Core	15,813	45	17.3	20	18.2	36	18.9	14	18.7	10	18.4
	Missing ³	4,569	36	15.9	17	17.6	29	17.7	12	17.8	9	17.4
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	42,132	68	20.8	42,621	45	21.1	42,152	56	21.8	39,193	33	21.5
	Less than Core	6,150	38	16.3	5,358	8	16.4	5,905	30	18.0	8,771	12	18.4
	Missing ³	3,833	37	16.0	4,136	17	17.6	4,058	30	17.9	4,151	12	17.9
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.

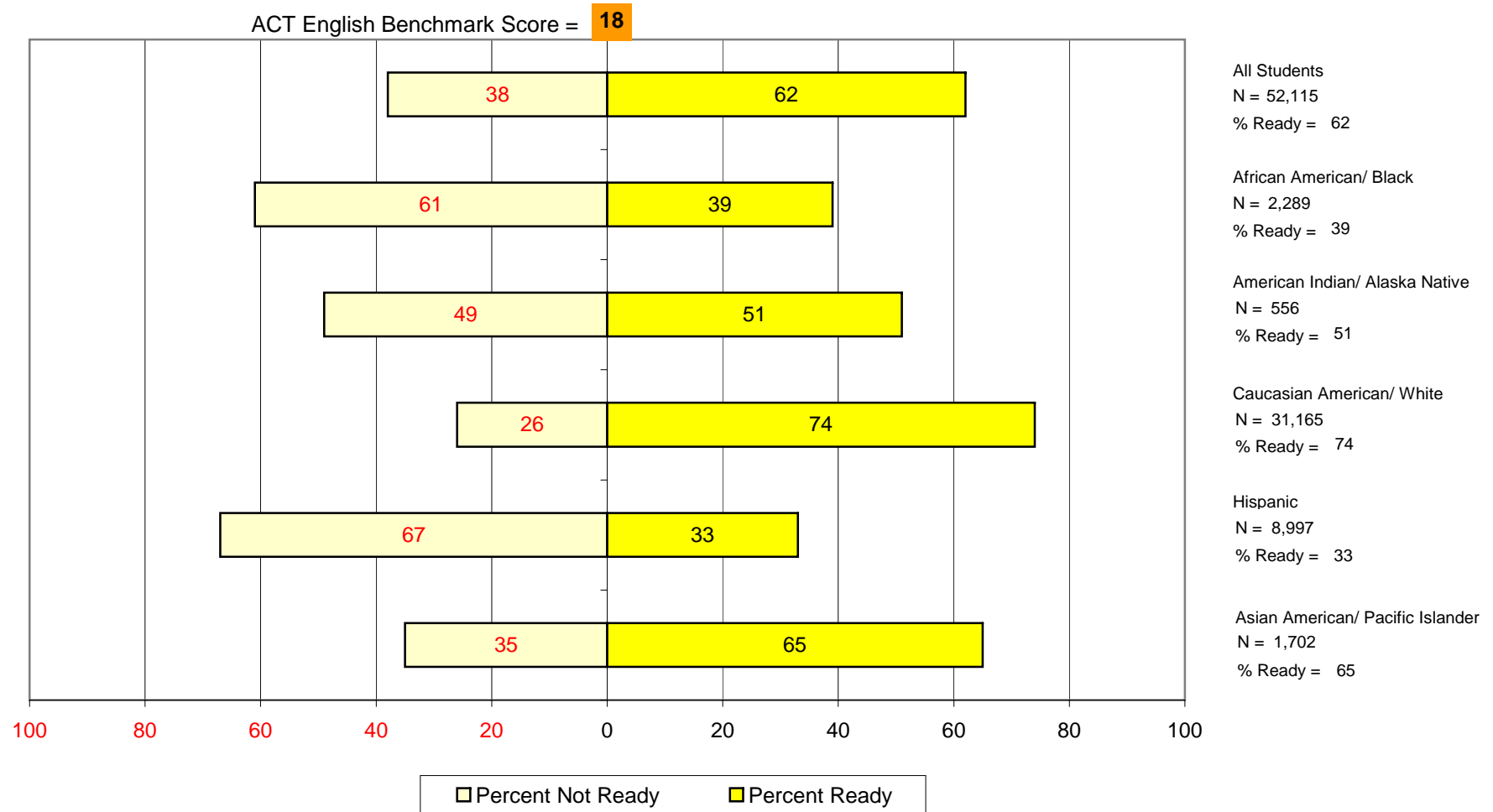
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

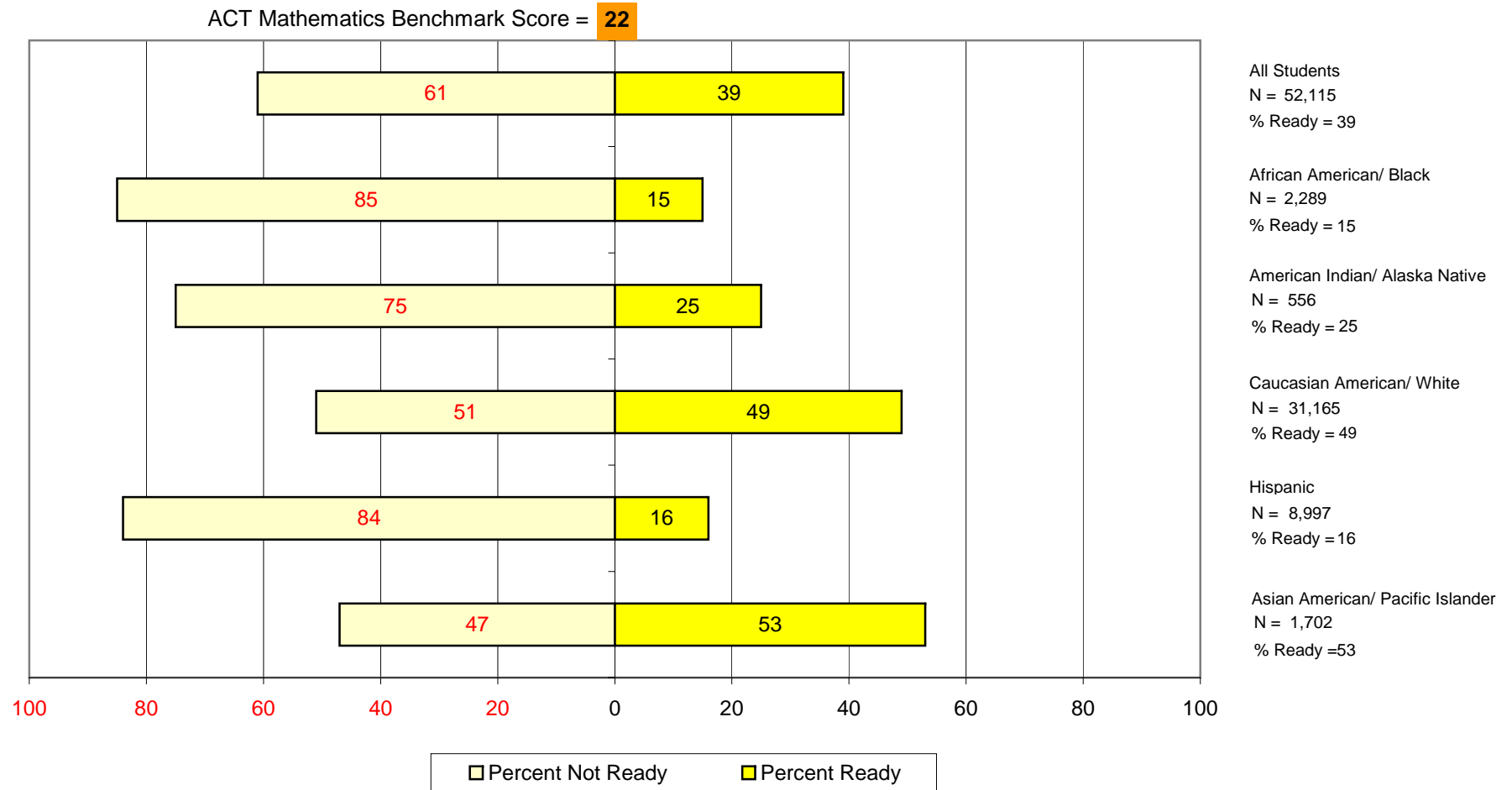
Total Students in Report: 52,115

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



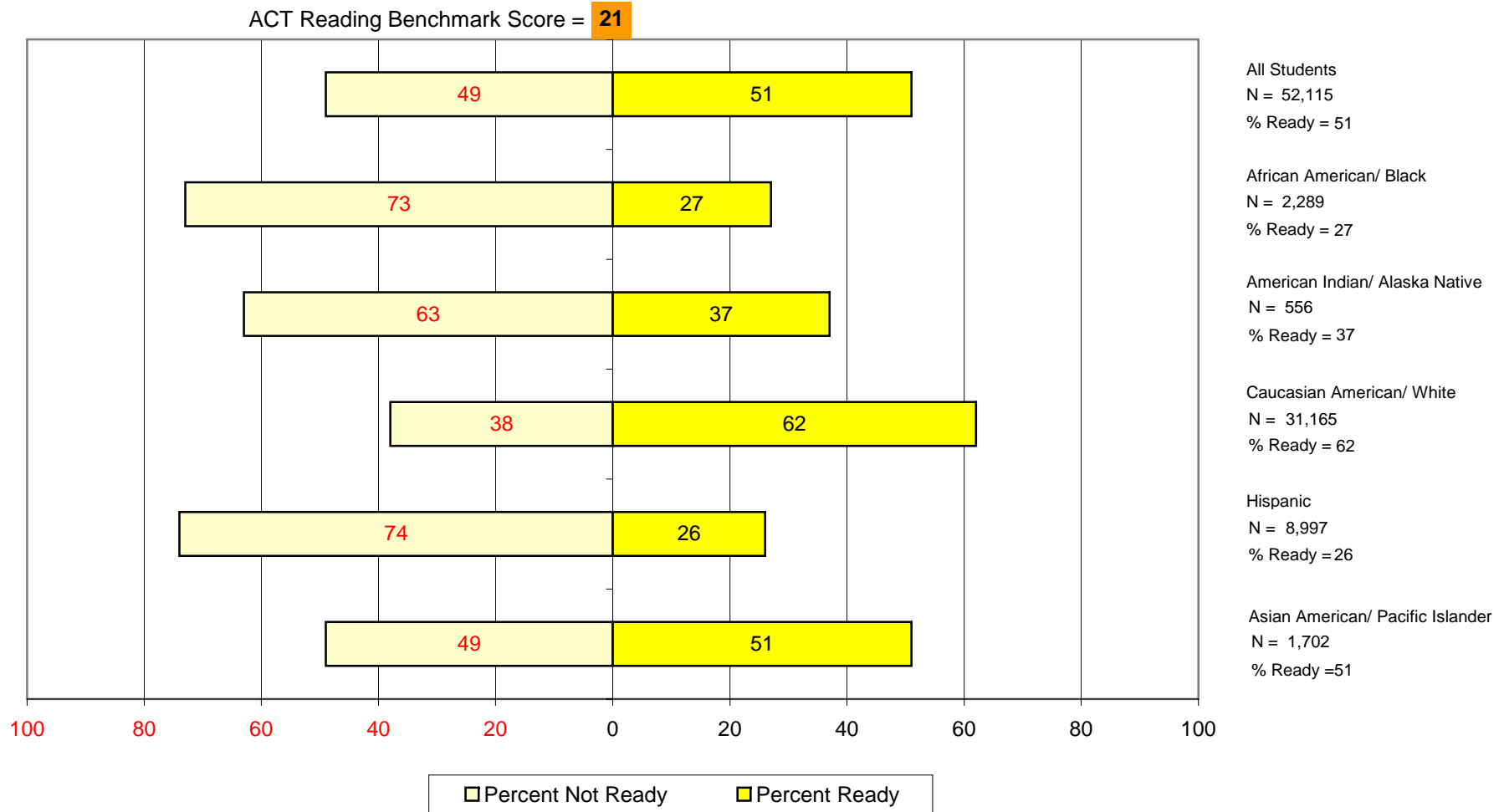
Total Students in Report: 52,115

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



Total Students in Report: 52,115

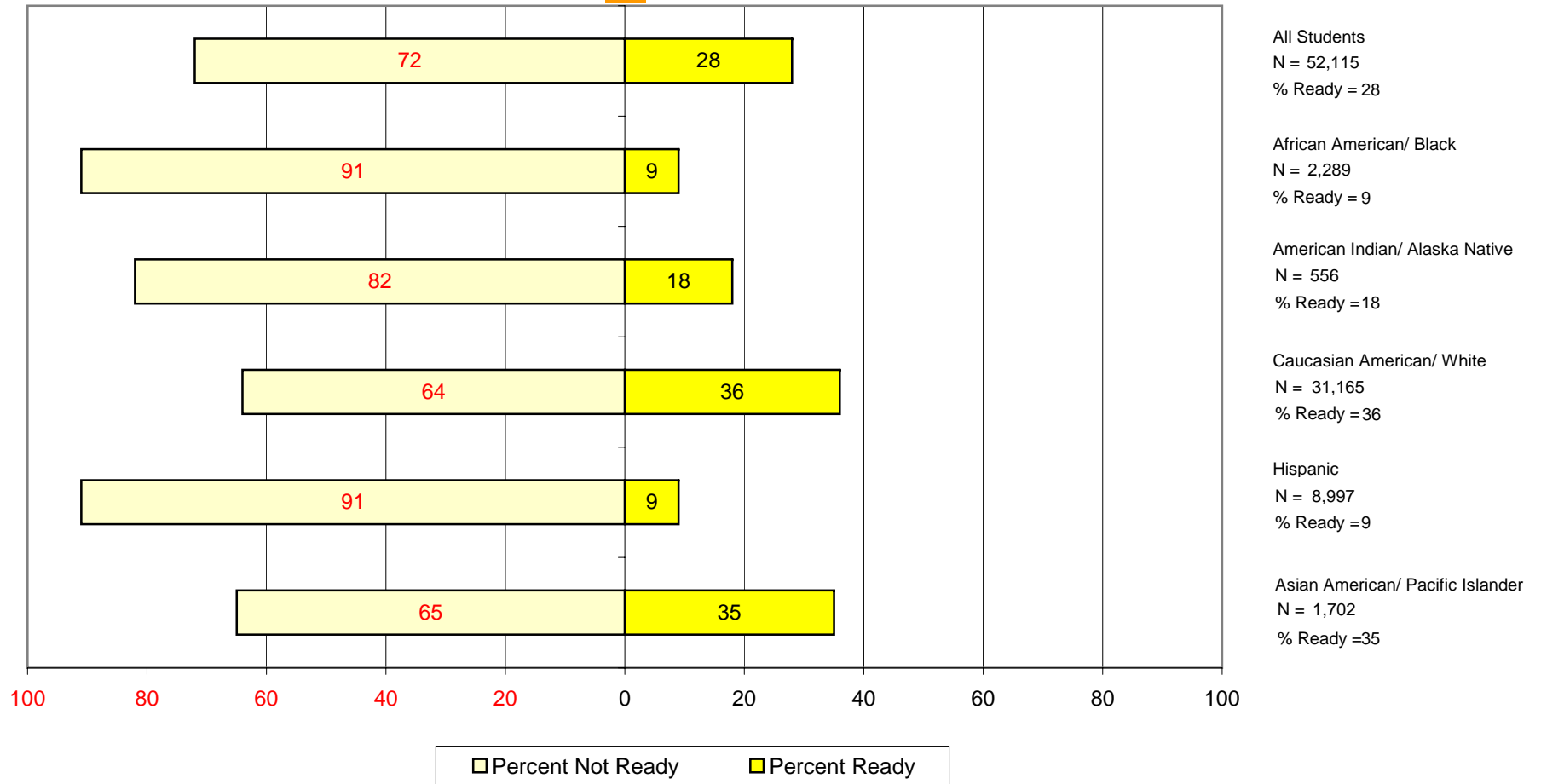
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 52,115

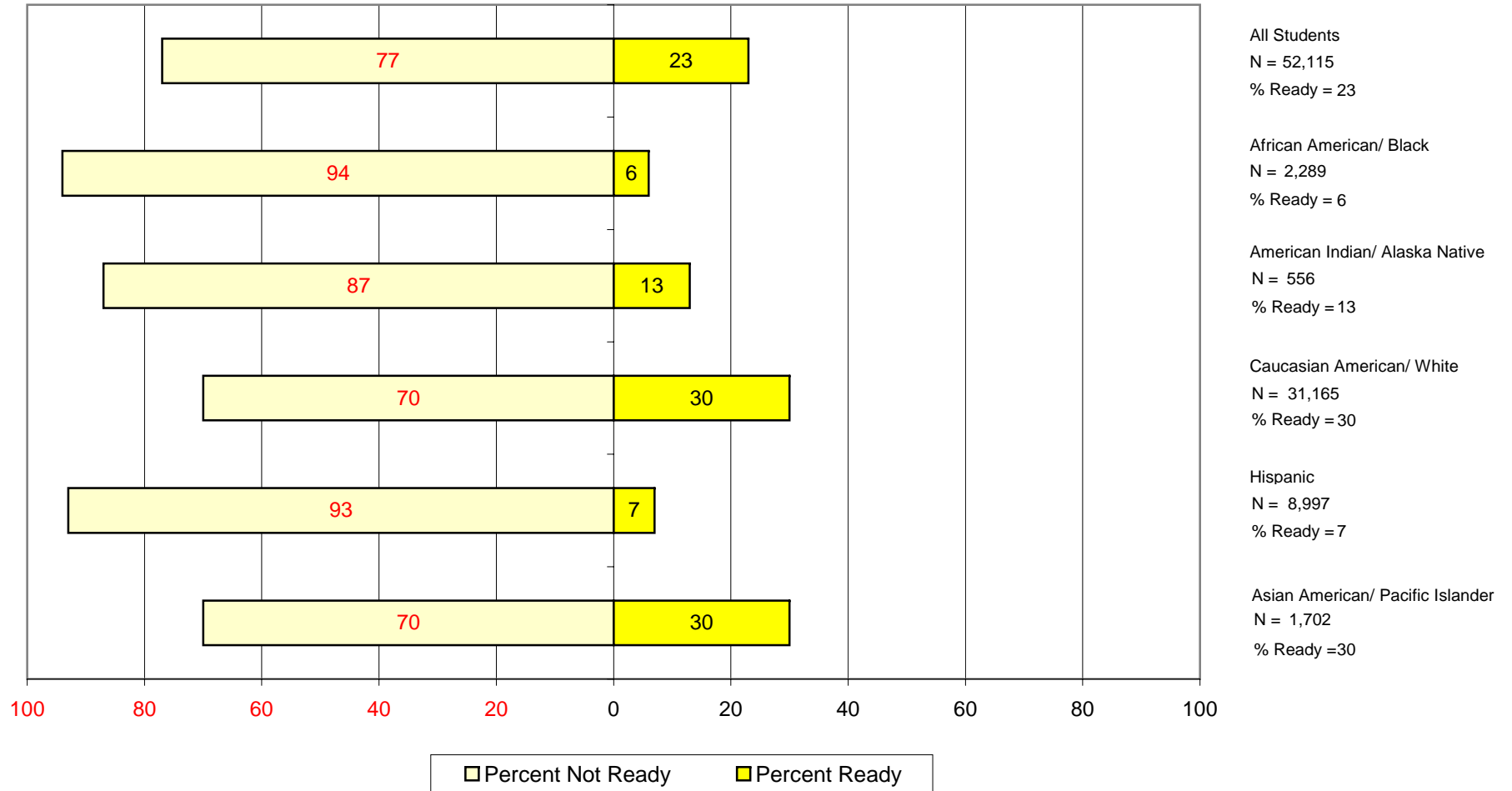
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = **24**



Total Students in Report: 52,115

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



Total Students in Report: 52,115

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	12,726	24	21.7	5.4	5,445	22	21.2	5.4	7,133	27	22.1	5.2
Eng 9, Eng 10, Eng 11, Eng 12	29,406	56	20.4	4.1	14,384	57	19.9	4.1	14,586	56	20.9	4.0
Less than 4 years of English	6,150	12	16.3	-	3,221	13	15.8	-	2,733	10	16.9	-
Zero years / no English courses reported	3,833	7	16.0	-	2,014	8	15.6	-	1,701	7	16.5	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	3,510	7	24.1	7.7	1,679	7	24.8	8.1	1,778	7	23.5	7.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,614	11	22.1	5.7	2,269	9	22.8	6.1	3,281	13	21.7	5.5
Alg 1, Alg 2, Geom, & Trig	4,264	8	19.9	3.5	1,952	8	20.4	3.7	2,245	9	19.5	3.3
Alg 1, Alg 2, Geom, & Other Adv Math	6,604	13	19.5	3.1	2,772	11	20.0	3.3	3,751	14	19.1	2.9
Other comb of 4 or more years of Math	12,994	25	23.8	7.4	6,748	27	24.5	7.8	6,099	23	23.1	6.9
Alg 1, Alg 2, & Geom	7,344	14	17.2	0.8	3,573	14	17.5	0.8	3,592	14	16.8	0.6
Other comb of 3 or 3.5 years of Math	2,291	4	19.1	2.7	1,148	5	19.5	2.8	1,103	4	18.7	2.5
Less than 3 years of Math	5,358	10	16.4	-	2,747	11	16.7	-	2,463	9	16.2	-
Zero years / no Math courses reported	4,136	8	17.6	-	2,176	9	17.8	-	1,841	7	17.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	856	2	21.9	3.9	470	2	21.2	3.3	379	1	22.8	4.5
Other comb of 4 or more years Social Science	24,962	48	22.3	4.3	11,348	45	22.2	4.3	13,305	51	22.5	4.2
US Hist, World Hist, & Am Gov	1,924	4	19.4	1.4	1,087	4	19.2	1.3	804	3	19.8	1.5
Other comb of 3 or 3.5 years of Social Science	14,410	28	21.2	3.2	6,827	27	21.1	3.2	7,332	28	21.5	3.2
Less than 3 years of Social Science	5,905	11	18.0	-	3,189	13	17.9	-	2,541	10	18.3	-
Zero years / no Social Science courses reported	4,058	8	17.9	-	2,143	9	17.6	-	1,792	7	18.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	17,832	34	22.2	3.8	9,334	37	22.8	4.5	8,226	31	21.5	3.0
Bio, Chem, Phys	2,498	5	24.1	5.7	1,306	5	25.0	6.7	1,169	4	23.3	4.8
Gen Sci ² , Bio, Chem	16,360	31	20.6	2.2	6,626	26	20.7	2.4	9,485	36	20.6	2.1
Other comb of 3 years of Natural Science	2,503	5	20.5	2.1	1,371	5	21.2	2.9	1,086	4	19.7	1.2
Less than 3 years of Natural Science	8,771	17	18.4	-	4,240	17	18.3	-	4,350	17	18.5	-
Zero years / no Natural Science courses reported	4,151	8	17.9	-	2,187	9	18.0	-	1,837	7	17.8	-

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: 52,115

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	12,726	24	21.7	73	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	29,406	56	20.4	66	1,096,437	70	20.5	66
Less than 4 years of English	6,150	12	16.3	38	74,180	5	16.4	39
Zero years / no English courses reported	3,833	7	16.0	37	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	3,510	7	24.1	71	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,614	11	22.1	58	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	4,264	8	19.9	36	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	6,604	13	19.5	30	239,289	15	20.0	36
Other comb of 4 or more years of Math	12,994	25	23.8	66	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	7,344	14	17.2	10	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	2,291	4	19.1	26	74,720	5	19.9	35
Less than 3 years of Math	5,358	10	16.4	8	97,949	6	16.4	7
Zero years / no Math courses reported	4,136	8	17.6	17	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	856	2	21.9	55	47,523	3	22.6	60
Other comb of 4 or more years Social Science	24,962	48	22.3	60	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,924	4	19.4	39	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	14,410	28	21.2	51	439,520	28	21.2	51
Less than 3 years of Social Science	5,905	11	18.0	30	156,679	10	19.5	39
Zero years / no Social Science courses reported	4,058	8	17.9	30	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	17,832	34	22.2	39	620,765	40	22.2	40
Bio, Chem, Phys	2,498	5	24.1	54	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	16,360	31	20.6	24	474,375	30	20.1	21
Other comb of 3 years of Natural Science	2,503	5	20.5	25	43,231	3	19.7	21
Less than 3 years of Natural Science	8,771	17	18.4	12	231,566	15	18.3	12
Zero years / no Natural Science courses reported	4,151	8	17.9	12	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 52,115

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	897	2	18.8	230	4	17.1	609	2	19.6
Architecture & Environmental Design	1,027	2	20.6	86	2	16.2	887	2	21.2
Business & Management	4,255	8	21.0	305	6	16.5	3,720	10	21.5
Business & Office	277	1	19.3	46	1	16.1	213	1	20.1
Marketing & Distribution	411	1	19.9	57	1	16.0	324	1	20.7
Communications & Comm. Technologies	1,215	2	21.6	113	2	16.8	1,044	3	22.2
Community & Personal Services	2,221	4	17.9	566	10	16.2	1,488	4	18.6
Computer & Information Sciences	899	2	21.6	110	2	17.2	731	2	22.4
Cross-Disciplinary Studies	71	0	23.2	2	0	16.0	63	0	23.7
Education	1,331	3	20.9	71	1	16.0	1,179	3	21.3
Teacher Education	1,177	2	20.5	68	1	16.4	1,039	3	20.8
Engineering	3,039	6	23.4	276	5	15.7	2,621	7	24.4
Engineering-Related Technologies	1,298	2	21.9	158	3	15.7	1,051	3	23.0
Foreign Languages	339	1	22.2	28	1	17.6	286	1	22.9
Health Sciences & Allied Health Fields	7,306	14	20.6	647	12	16.4	6,300	17	21.1
Human, Family & Consumer Science	1,044	2	18.6	229	4	16.7	723	2	19.3
Letters	514	1	24.3	25	0	19.6	459	1	24.8
Mathematics	264	1	24.2	13	0	16.8	235	1	24.8
Philosophy, Religion & Theology	352	1	22.2	25	0	18.9	296	1	22.6
Sciences (Biological & Physical)	2,809	5	23.6	87	2	17.2	2,596	7	23.9
Social Sciences	3,557	7	22.4	89	2	16.8	3,314	9	22.6
Trade & Industrial	1,009	2	17.6	530	10	16.9	377	1	18.8
Visual & Performing Arts	4,422	8	20.6	624	11	17.3	3,398	9	21.3
Undecided	5,045	10	21.1	614	11	16.5	3,796	10	22.2
No Response	7,336	14	17.8	474	9	15.2	661	2	17.3

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: 52,115

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	1,560	16.5	39	13.8	18	15.7	788	17.5	444	15.0	20	16.7	251	16.6
2-yr College Degree	3,913	16.5	153	15.0	51	16.0	1,849	17.6	1,102	14.9	75	15.6	683	16.3
Bachelors Degree	17,826	20.6	710	17.2	163	19.2	11,634	21.7	2,679	17.7	482	20.5	2,158	19.6
Graduate Study	7,735	23.5	281	19.1	80	20.6	5,380	24.5	821	19.7	274	23.7	899	22.3
Prof. Level Degree	11,849	22.5	631	18.8	119	20.6	7,012	23.9	1,835	18.9	614	23.6	1,638	21.5
Other	1,973	17.9	87	15.7	30	16.5	1,072	18.9	368	15.6	48	17.8	368	17.8
No Response	7,259	18.5	388	15.8	95	17.3	3,430	20.6	1,748	15.5	189	19.3	1,409	18.0

Total Students in Report: 52,115

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
COLORADO STATE UNIVERSITY	Colorado	9,783	3,836	5,947	1	7	21	33	27	11	1
STATE-COLLEGE/NO REPORTS NOW	Iowa	9,757	9,747	10	6	21	30	22	13	7	1
UNIV OF COLORADO-BOULDER	Colorado	9,375	3,360	6,015	2	7	17	29	28	15	2
UNIV OF NORTHERN COLORADO	Colorado	4,761	1,338	3,423	2	9	27	35	21	7	0
METROPOLITAN STATE COLL OF DENVER THE	Colorado	4,216	1,541	2,675	5	21	37	25	10	2	0
UNIVERSITY OF DENVER	Colorado	3,835	815	3,020	3	10	21	26	25	14	2
UNIV OF COLORADO-COLORADO SPRINGS	Colorado	2,364	618	1,746	1	7	23	34	24	9	1
MESA STATE COLLEGE	Colorado	2,307	846	1,461	3	14	35	32	13	3	0
COLORADO STATE UNIVERSITY-PUEBLO	Colorado	2,050	631	1,419	4	17	37	28	12	2	0
NCAA ELIGIBILITY CENTER	Indiana	1,998	1,023	975	3	12	26	31	19	8	1
COLORADO SCHOOL OF MINES	Colorado	1,870	636	1,234	0	4	9	20	32	29	5
U OF COLORADO AT DENVER/HLTH SCI CNTR	Colorado	1,351	368	983	4	11	22	31	23	9	1
ADAMS STATE COLLEGE	Colorado	1,295	474	821	3	19	36	27	11	3	0
ART INSTITUTE OF COLORADO THE	Colorado	1,189	424	765	4	19	35	26	12	3	0
STATE-NO COLLEGE PLANS	Iowa	1,153	1,152	1	15	40	28	12	4	1	0
COMMUNITY COLLEGE OF DENVER	Colorado	1,116	315	801	14	39	31	12	3	1	0
REGIS UNIVERSITY	Colorado	1,111	220	891	3	15	28	28	19	7	1
FORT LEWIS COLLEGE	Colorado	1,072	317	755	1	8	28	37	21	5	0
ARIZONA STATE UNIVERSITY	Arizona	1,021	322	699	2	8	21	33	26	9	0
UNIVERSITY OF WYOMING	Wyoming	1,014	264	750	1	6	22	34	25	12	1
RED ROCKS COMMUNITY COLLEGE	Colorado	995	331	664	7	25	36	22	8	1	0
WESTERN STATE COLLEGE OF COLORADO	Colorado	984	256	728	2	11	33	33	17	4	0
COLORADO COLLEGE	Colorado	960	253	707	3	11	21	22	24	17	2
PIKES PEAK COMMUNITY COLLEGE	Colorado	951	390	561	6	21	36	24	11	2	0
FRONT RANGE COMMUNITY COLLEGE	Colorado	788	278	510	6	28	37	21	7	1	0
UNITED STATES AIR FORCE ACADEMY	Colorado	774	275	499	3	11	18	22	26	17	2
JOHNSON & WALES UNIVERSITY-DENVER	Colorado	745	288	457	4	22	35	28	10	2	0
ARAPAHOE COMMUNITY COLLEGE	Colorado	703	253	450	6	22	34	25	10	2	0
UNIVERSITY OF ARIZONA	Arizona	672	143	529	1	7	19	30	31	11	1
COMMUNITY COLLEGE OF AURORA	Colorado	656	235	421	10	34	39	11	6	0	0
All Other Institutions		44,628	11,413	33,215	3	14	23	24	20	13	2
Total		115,494	42,362	73,132	3	14	25	26	20	10	2

Section V Optional Writing Test Results

Total Students in Report: 52,115

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	7,439	869,014	25.1	21.4	7.8	7.1	24.1	20.8
African American/Black	324	107,638	20.1	16.4	7.2	6.4	19.8	16.4
American Indian/Alaska Native	49	6,232	22.0	18.9	7.4	6.6	21.5	18.4
Caucasian American/White	5,216	518,004	26.0	23.0	7.9	7.3	24.8	22.1
Hispanic	712	101,126	21.6	18.1	7.4	6.9	21.1	18.1
Asian American/Pacific Islander	404	49,922	25.6	23.6	8.0	7.7	24.6	22.9
Other/No Response	734	86,092	24.6	21.0	7.7	7.1	23.6	20.4
Males	3,119	384,152	24.8	21.1	7.6	6.9	23.7	20.3
Females	4,318	484,023	25.3	21.7	7.9	7.3	24.4	21.2
Missing	2	839	21.0	16.8	7.5	6.3	21.0	16.6

