

ACT Profile Report - State

Graduating Class 2014

Missouri



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This report provides information about the performance of your 2014 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 2014. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

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 who met or exceeded 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, updated in August of 2013, are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

29% 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: 48,865 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. 72% 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 6% of the cohort took less than three years of math courses. Of these students, 9% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 11% 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 16% of the cohort took less than three years of natural science courses. 26% of these students were college ready. In comparison, 46% 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 ACT Customer Service at 319-337-1309 or customerservices@act.org.

Section I

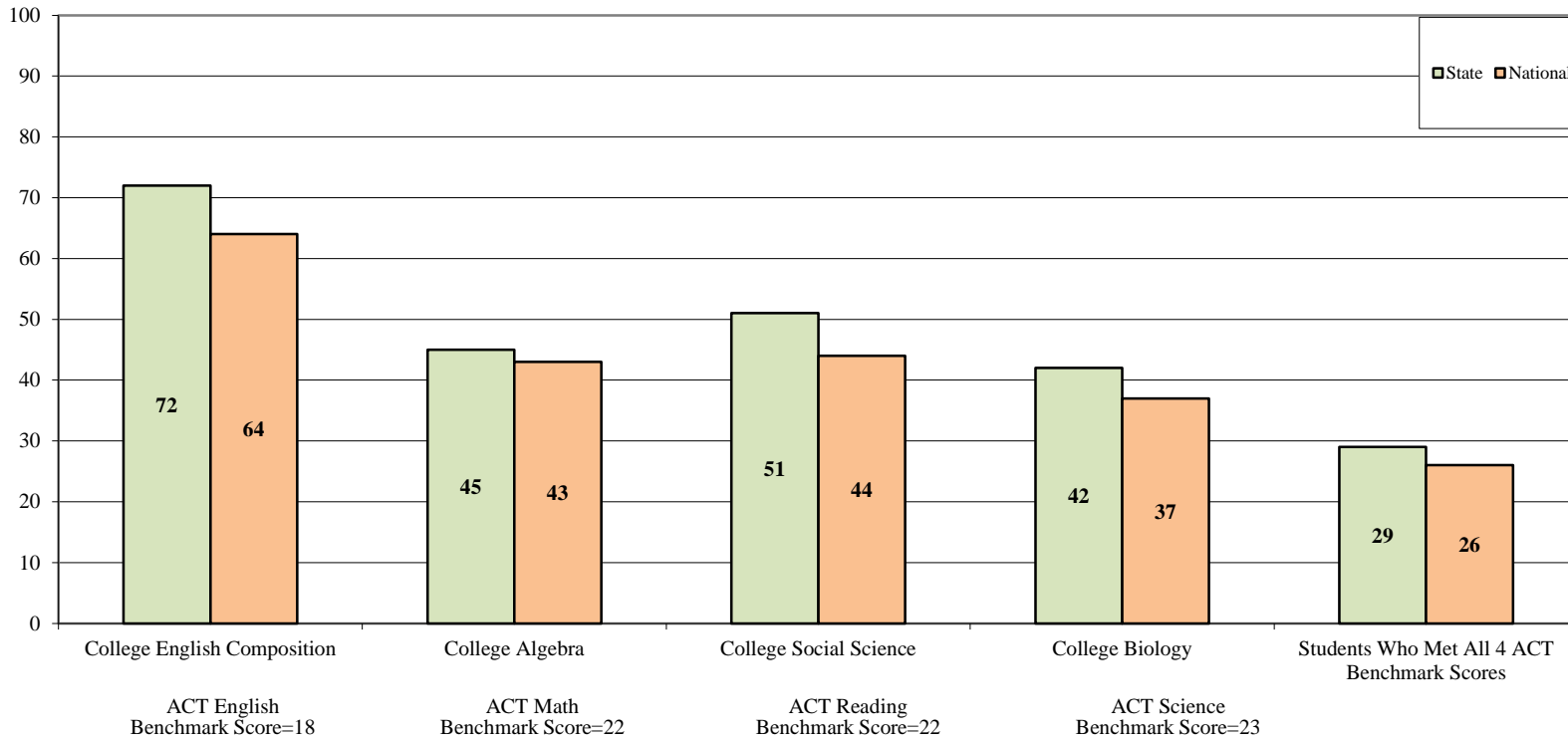
Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning in August 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

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: 48,865

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	48,290	1,568,835	73	66	44	43	57	52	32	29	26	24
2011	48,565	1,623,112	73	66	44	45	56	52	32	30	26	25
2012	49,222	1,666,017	73	67	46	46	56	52	33	31	27	25
2013	49,217	1,799,243	72	64	45	44	49	44	41	36	28	26
2014	48,865	1,845,787	72	64	45	43	51	44	42	37	29	26

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
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
2011	48,565	1,623,112	21.5	20.6	21.0	21.1	21.9	21.3	21.6	20.9	21.6	21.1
2012	49,222	1,666,017	21.4	20.5	21.1	21.1	21.9	21.3	21.5	20.9	21.6	21.1
2013	49,217	1,799,243	21.4	20.2	21.0	20.9	21.9	21.1	21.6	20.7	21.6	20.9
2014	48,865	1,845,787	21.6	20.3	21.1	20.9	22.3	21.3	21.7	20.8	21.8	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
2010	1,568,835	20.5	21.0	21.3	20.9	21.0
2011	1,623,112	20.6	21.1	21.3	20.9	21.1
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	1,799,243	20.2	20.9	21.1	20.7	20.9
2014	1,845,787	20.3	20.9	21.3	20.8	21.0

Total Students in Report: 48,865

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
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
2011	34,732	12,783	72	26	22.5	19.5	21.8	19.1	22.6	20.3	22.3	20.0	22.4	19.9
2012	35,618	12,924	72	26	22.3	19.4	21.8	19.2	22.6	20.2	22.2	19.9	22.3	19.8
2013	35,123	12,554	71	26	22.3	19.4	21.8	19.2	22.7	20.3	22.3	20.0	22.4	19.8
2014	35,194	12,260	72	25	22.4	19.5	21.9	19.3	22.9	20.6	22.4	20.2	22.5	20.0

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	48,290	100	21.6	48,565	100	21.6	49,222	100	21.6	49,217	100	21.6	48,865	100	21.8
Black/African American	5,829	12	17.2	6,366	13	17.2	6,253	13	17.1	6,117	12	17.2	5,784	12	17.3
American Indian/Alaska Native	344	1	20.7	240	0	20.5	218	0	19.6	213	0	19.6	193	0	20.1
White	37,044	77	22.4	36,368	75	22.5	36,303	74	22.4	35,485	72	22.5	35,326	72	22.6
Hispanic/Latino	1,241	3	20.2	1,707	4	20.1	2,033	4	20.2	2,240	5	19.9	2,193	4	20.2
Asian	949	2	23.5	974	2	23.5	978	2	23.3	1,041	2	23.7	1,115	2	23.4
Native Hawaiian/Other Pacific Islander	0	0	.	55	0	19.3	87	0	19.7	72	0	20.0	71	0	19.8
Two or more races	922	2	21.1	1,227	3	20.9	1,634	3	21.2	1,790	4	21.1	1,900	4	21.5
Prefer not to respond/No response	1,961	4	20.2	1,628	3	21.4	1,716	3	22.0	2,259	5	21.5	2,283	5	21.8

Total Students in Report: 48,865

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

CRS Range	English (Benchmark = 18)	Mathematics (Benchmark = 22)	Reading (Benchmark = 22)	Science (Benchmark = 23)
1-12	7% 13%	0% 1%	4% 7%	3% 6%
13-15	12% 14%	12% 14%	10% 13%	7% 10%
16-19	18% 18%	34% 33%	21% 22%	23% 24%
20-23	26% 23%	20% 18%	26% 24%	33% 29%
24-27	19% 16%	23% 21%	17% 14%	23% 20%
28-32	12% 10%	9% 9%	16% 14%	7% 7%
33-36	6% 5%	3% 3%	6% 5%	4% 3%
% At or Above Benchmark	72% 64%	45% 43%	51% 44%	42% 37%

■ = State

■ = National

Total Students in Report: 48,865

Table 1.7. Average ACT College Reportable Scores by Test Session Duration

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Standard Time	47,127	96	21.7	21.2	22.3	21.8	21.9
	Extended Time	1,738	4	18.9	19.1	21.0	20.3	19.9
	Total	48,865	100	21.6	21.1	22.3	21.7	21.8
National	Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	73	46	51	43	30
	Extended Time	54	29	44	33	22
	Total	72	45	51	42	29
National	Standard Time	65	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

Section II

Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 48,865

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	209	100	105	100	382	100	368	100	46	100	36
35	870	100	308	100	463	99	383	99	200	100	35
34	1,007	98	427	99	892	98	530	98	377	99	34
33	899	96	440	98	1,128	96	436	97	595	99	33
32	922	94	411	97	1,540	94	512	96	795	98	32
31	848	92	470	97	1,591	91	743	95	1,044	96	31
30	1,277	90	772	96	1,491	88	757	94	994	94	30
29	1,293	88	1,146	94	1,433	85	543	92	1,317	92	29
28	1,396	85	1,576	92	1,679	82	1,108	91	1,765	89	28
27	1,577	82	1,923	88	1,697	78	2,116	89	1,984	85	27
26	1,972	79	2,697	84	1,792	75	1,762	85	2,243	81	26
25	2,795	75	3,052	79	2,020	71	3,527	81	2,720	77	25
24	3,020	69	3,374	73	2,712	67	4,071	74	3,270	71	24
23	2,674	63	2,992	66	3,106	61	3,902	66	3,451	64	23
22	3,336	58	2,287	60	2,789	55	4,539	58	3,568	57	22
21	3,366	51	2,432	55	4,271	49	3,664	48	3,720	50	21
20	3,316	44	2,164	50	2,751	41	3,890	41	3,610	43	20
19	2,584	37	2,651	46	3,546	35	3,872	33	3,365	35	19
18	1,954	32	3,611	40	2,437	28	2,701	25	3,222	28	18
17	1,743	28	4,766	33	2,108	23	2,658	19	2,750	22	17
16	2,316	24	5,416	23	2,071	18	1,836	14	2,412	16	16
15	2,792	19	3,607	12	1,924	14	1,321	10	2,009	11	15
14	1,797	14	1,492	5	1,700	10	1,146	7	1,525	7	14
13	1,269	10	523	2	1,405	7	867	5	1,103	4	13
12	1,039	7	159	1	966	4	647	3	537	2	12
11	1,022	5	47	1	555	2	478	2	178	1	11
10	766	3	12	1	249	1	258	1	52	1	10
9	408	2	1	1	89	1	163	1	8	1	9
8	242	1	1	1	26	1	48	1	3	1	8
7	102	1	1	1	31	1	11	1	1	1	7
6	38	1	1	1	12	1	4	1	0	1	6
5	9	1	0	1	2	1	2	1	1	1	5
4	6	1	1	1	6	1	0	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	1	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	1	1	1	1	0	1	1
Avg (SD)	21.6 (6.3)		21.1 (5.1)		22.3 (6.1)		21.7 (5.1)		21.8 (5.1)		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: 48,865

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		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	2,201	100	727	100	1,329	100	1,706	100	1,583	100	347	100	344	100	18
17	2,913	95	1,099	99	2,821	97	3,227	97	1,820	97	528	99	256	99	17
16	2,040	90	2,739	96	3,588	92	3,180	90	2,358	93	1,022	98	1,751	99	16
15	2,462	85	4,060	91	2,635	84	3,234	83	2,571	88	2,501	96	2,618	95	15
14	2,482	80	3,990	82	4,407	79	2,886	77	3,604	83	4,337	91	3,430	90	14
13	3,666	75	5,173	74	4,855	70	3,751	71	5,055	76	4,837	82	4,056	83	13
12	3,700	68	4,845	64	4,692	60	4,257	63	5,120	65	6,054	72	5,159	75	12
11	4,834	60	5,665	54	4,490	50	4,767	54	4,187	55	5,248	60	6,829	64	11
10	5,402	50	4,798	42	4,464	41	4,398	45	3,636	46	7,610	49	5,635	50	10
9	4,750	39	4,916	32	4,420	32	5,630	36	4,345	39	6,085	34	7,263	38	9
8	3,928	29	4,059	22	4,520	23	3,291	24	5,033	30	4,636	21	5,270	24	8
7	3,187	21	2,209	14	3,377	14	2,913	17	4,965	20	2,583	12	2,731	13	7
6	2,781	15	1,899	9	1,774	7	2,201	12	2,653	9	1,412	6	1,520	7	6
5	2,243	9	1,504	5	886	3	2,224	7	1,249	4	895	3	804	4	5
4	1,301	5	877	2	380	1	782	2	440	1	304	2	580	2	4
3	713	2	241	1	129	1	293	1	183	1	363	1	327	1	3
2	239	1	58	1	75	1	119	1	56	1	21	1	199	1	2
1	23	1	6	1	23	1	6	1	7	1	82	1	93	1	1
Avg (SD)	10.7 (3.9)		11.1 (3.3)		11.5 (3.4)		11.2 (3.7)		10.9 (3.5)		10.7 (2.8)		10.6 (2.9)		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	25	27	25	25
Q2 (50th Percentile)	21	20	22	22	21
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 48,865

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	48,865	72	22.5	20.0
	Black/African American	5,784	73	17.7	16.5
	American Indian/Alaska Native	193	67	20.8	19.1
	White	35,326	73	23.4	20.6
	Hispanic/Latino	2,193	71	21.0	18.8
	Asian	1,115	82	24.1	20.8
	Native Hawaiian/Other Pac. Isl.	71	59	20.3	19.4
	Two or more races	1,900	73	22.1	20.1
	Prefer not/No Response	2,283	54	23.0	20.0
National	All Students	1,845,787	73	21.8	18.9
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

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	21.6	21.1	22.3	21.7	21.8
	Black/African American	16.4	17.2	17.6	17.6	17.3
	American Indian/Alaska Native	19.3	19.5	20.9	20.3	20.1
	White	22.5	21.8	23.1	22.5	22.6
	Hispanic/Latino	19.7	19.7	20.8	20.4	20.2
	Asian	22.9	24.4	22.6	23.3	23.4
	Native Hawaiian/Other Pac. Isl.	18.9	19.3	20.5	20.3	19.8
	Two or more races	21.2	20.6	22.3	21.4	21.5
	Prefer not/No Response	21.6	21.0	22.5	21.7	21.8
National	All Students	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7

Total Students in Report: 48,865

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	2,985	6	1,280	3	2,865	6	1,717	4
	28 to 32	5,736	12	4,375	9	7,734	16	3,663	7
	24 to 27	9,364	19	11,046	23	8,221	17	11,476	23
	20 to 23	12,692	26	9,875	20	12,917	26	15,995	33
	16 to 19	8,597	18	16,444	34	10,162	21	11,067	23
	13 to 15	5,858	12	5,622	12	5,029	10	3,334	7
	01 to 12	3,633	7	223	0	1,937	4	1,613	3
National	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	22,516	46	21.4	21.8	22.2	22.4	22.1
	Females	26,216	54	21.7	20.6	22.3	21.2	21.6
	Missing	133	0	16.7	17.9	18.1	17.7	17.7
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	71	50	51	48	33
	Females	73	41	51	38	26
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 48,865

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	35,194	78	22.4	51	21.9	55	22.9	48	22.4	34	22.5
	Less than Core	12,260	60	19.5	29	19.3	39	20.6	28	20.2	17	20.0
	Missing ³	1,411	48	17.7	23	18.3	35	19.5	26	19.2	16	18.8
National	Core or More	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing	92,717	36	16.0	18	17.7	23	17.7	16	17.6	10	17.4

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 met 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	45,566	74	21.8	44,766	48	21.5	44,681	51	22.4	39,557	46	22.2
	Less than Core	2,037	51	18.0	2,773	9	16.7	2,888	44	21.3	7,996	26	19.9
	Missing ³	1,262	51	18.1	1,326	23	18.3	1,296	37	19.8	1,312	28	19.5
National	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

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

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

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

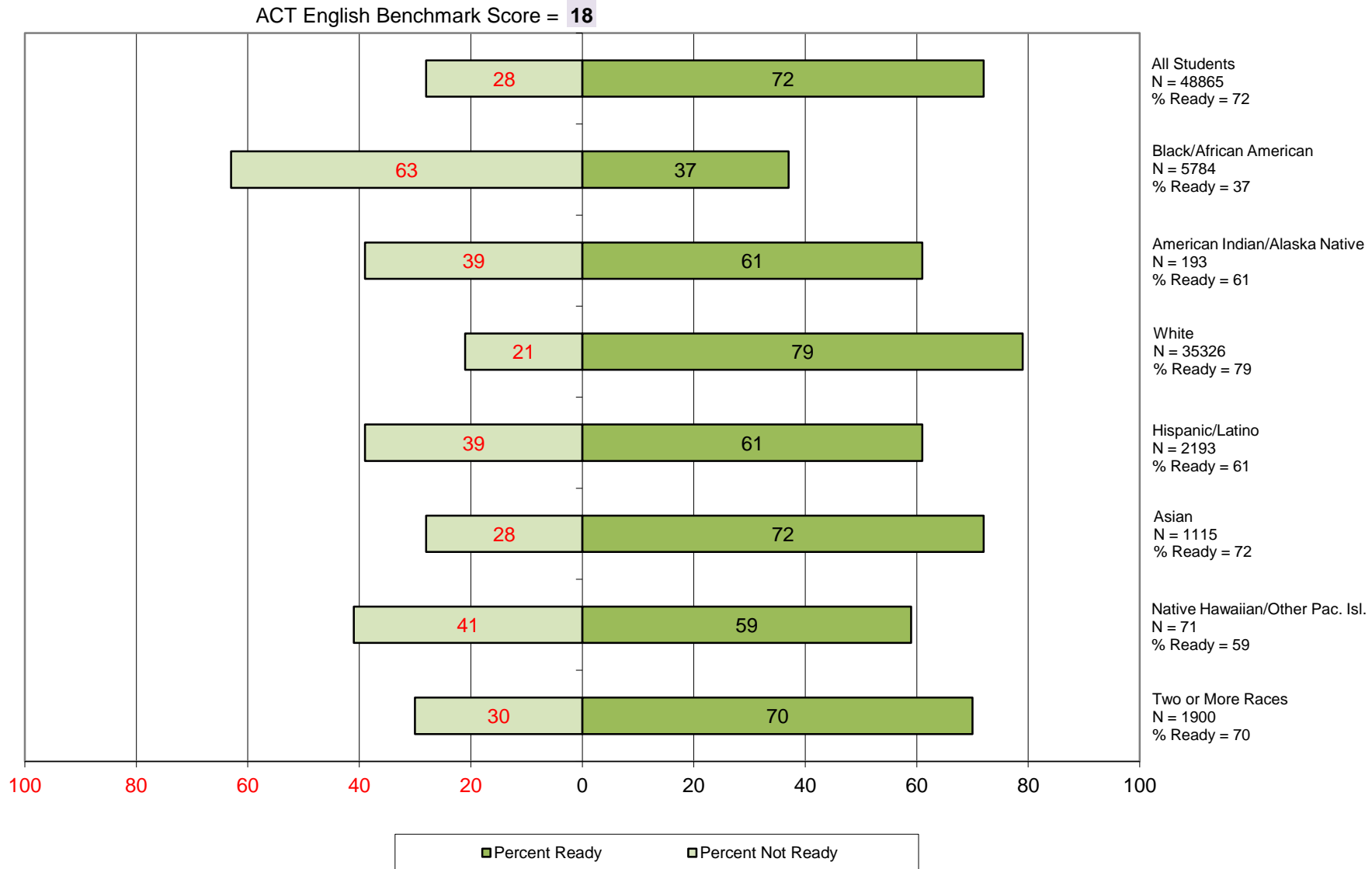


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

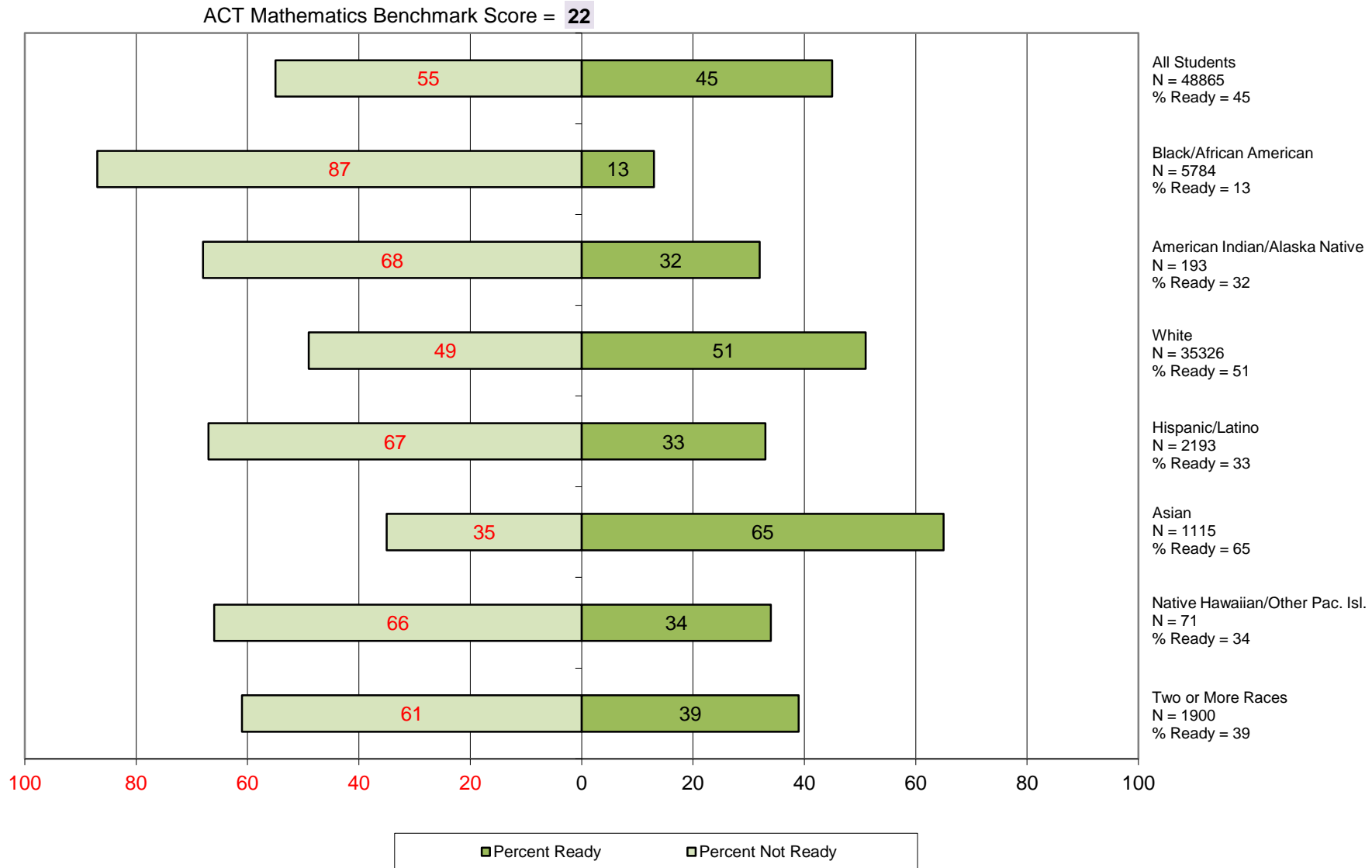


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

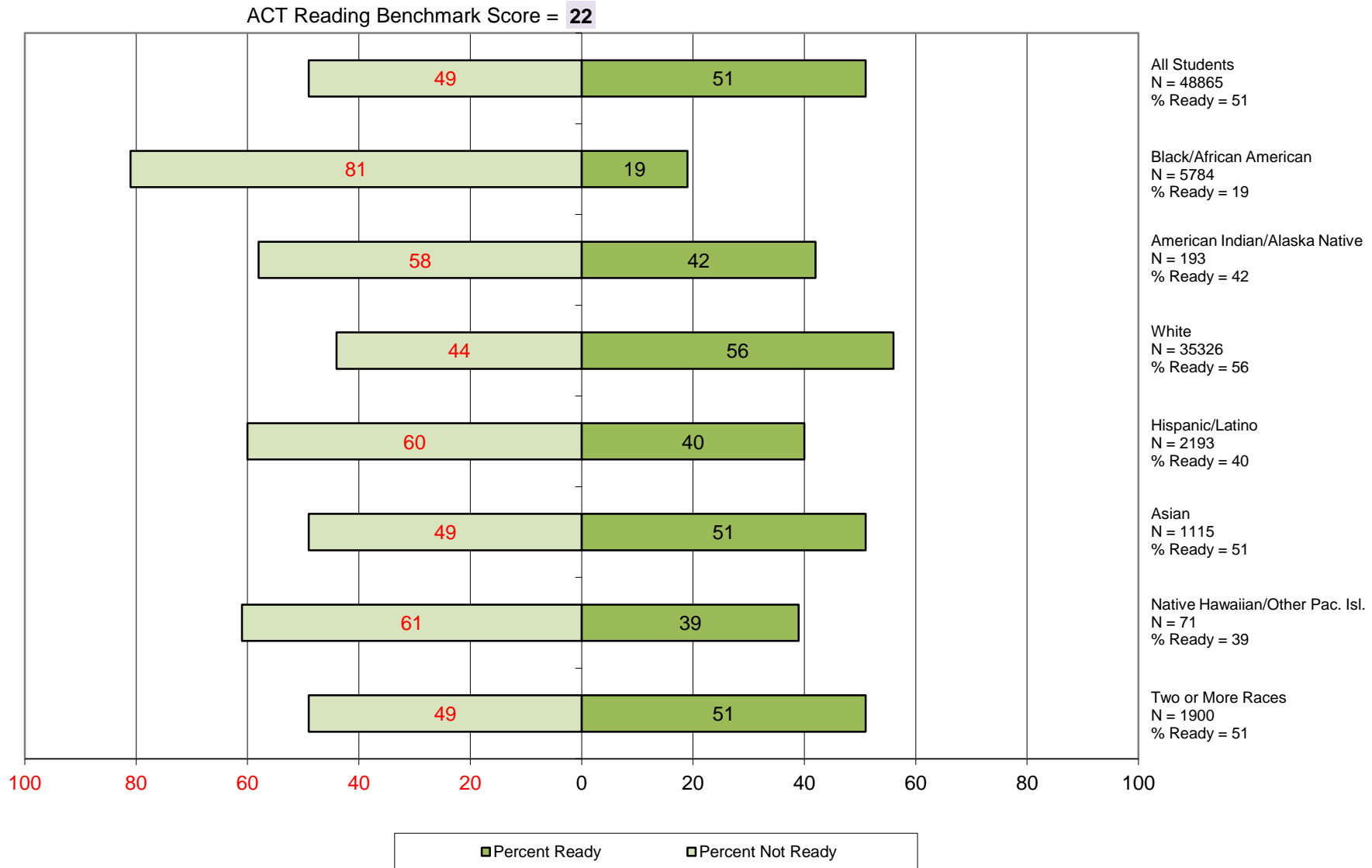
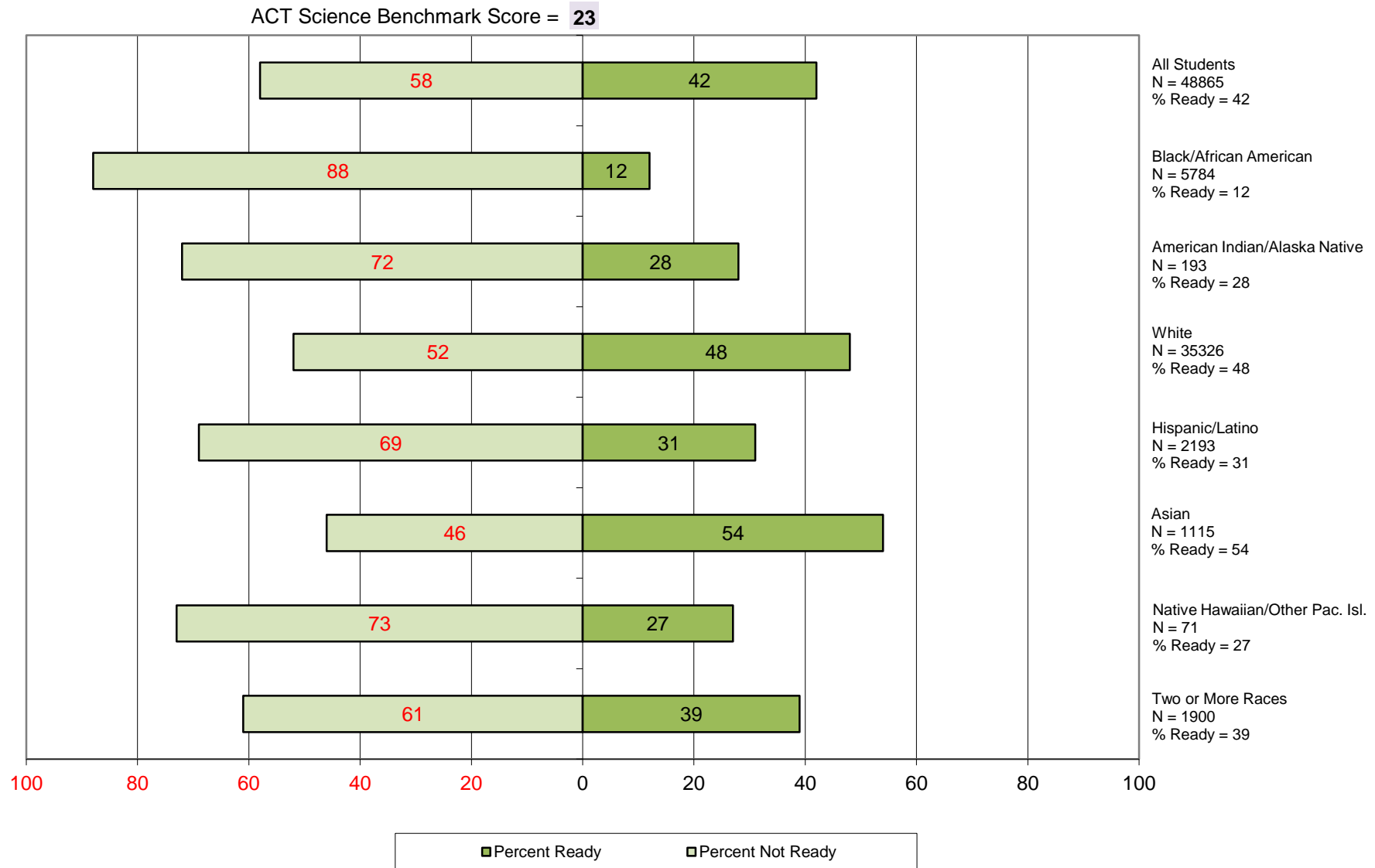
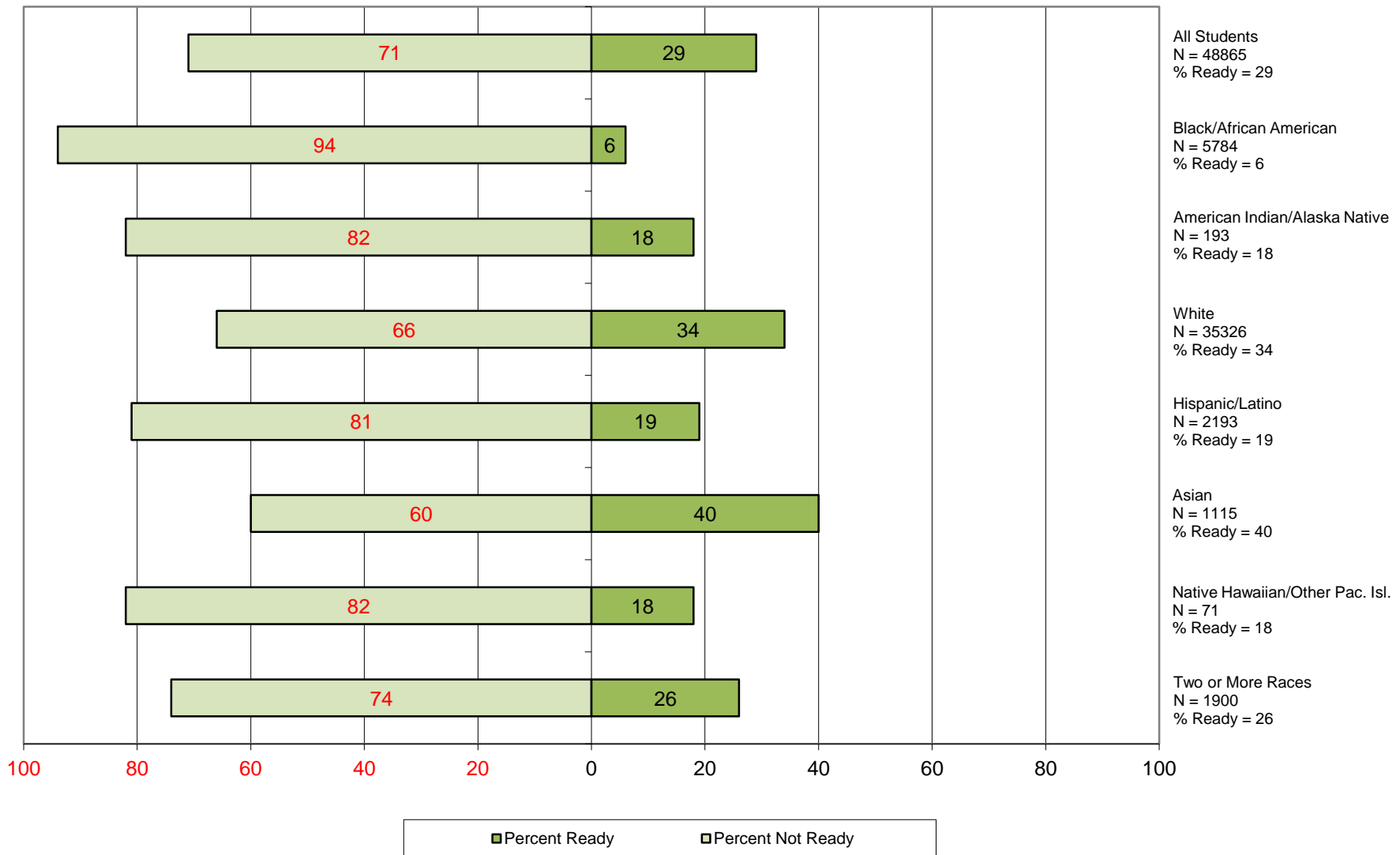


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 48,865

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



Total Students in Report: 48,865

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	14,594	30	22.5	4.5	5,870	26	22.2	4.2	8,708	33	22.6	4.4
Eng 9, Eng 10, Eng 11, Eng 12	30,972	63	21.5	3.5	14,953	66	21.4	3.4	15,942	61	21.6	3.4
Less than 4 years of English	2,037	4	18.0	-	970	4	18.0	-	1,042	4	18.2	-
Zero years / no English courses reported	1,262	3	18.1	-	723	3	18.0	-	524	2	18.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,519	5	24.1	7.4	1,213	5	25.0	8.1	1,305	5	23.3	6.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,633	12	22.5	5.8	2,126	9	23.1	6.2	3,495	13	22.2	5.6
Alg 1, Alg 2, Geom, & Trig	2,720	6	19.7	3.0	1,196	5	20.1	3.2	1,514	6	19.3	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	9,497	19	20.1	3.4	3,606	16	20.6	3.7	5,865	22	19.8	3.2
Other comb of 4 or more years of Math	15,447	32	23.8	7.1	8,144	36	24.6	7.7	7,287	28	23.0	6.4
Alg 1, Alg 2, & Geom	7,170	15	17.4	0.7	3,280	15	17.8	0.9	3,860	15	17.1	0.5
Other comb of 3 or 3.5 years of Math	1,780	4	20.2	3.5	898	4	20.5	3.6	873	3	19.8	3.2
Less than 3 years of Math	2,773	6	16.7	-	1,305	6	16.9	-	1,455	6	16.6	-
Zero years / no Math courses reported	1,326	3	18.3	-	748	3	18.8	-	562	2	17.8	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	2,540	5	22.4	1.1	1,377	6	22.4	1.3	1,158	4	22.5	0.9
Other comb of 4 or more years Social Science	21,678	44	22.9	1.6	9,887	44	22.9	1.8	11,767	45	22.9	1.3
US Hist, World Hist, & Am Gov	6,556	13	20.7	-0.6	3,208	14	20.9	-0.2	3,311	13	20.4	-1.2
Other comb of 3 or 3.5 years of Social Science	13,907	28	22.4	1.1	5,909	26	22.4	1.3	7,959	30	22.4	0.8
Less than 3 years of Social Science	2,888	6	21.3	-	1,394	6	21.1	-	1,482	6	21.6	-
Zero years / no Social Science courses reported	1,296	3	19.8	-	741	3	19.6	-	539	2	20.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	18,425	38	22.8	2.9	9,321	41	23.6	3.6	9,079	35	22.0	2.1
Bio, Chem, Phys	5,069	10	23.3	3.4	2,501	11	24.2	4.2	2,555	10	22.4	2.5
Gen Sci ² , Bio, Chem	14,599	30	21.1	1.2	5,751	26	21.3	1.3	8,811	34	21.0	1.1
Other comb of 3 years of Natural Science	1,464	3	20.7	0.8	822	4	21.4	1.4	640	2	19.7	-0.2
Less than 3 years of Natural Science	7,996	16	19.9	-	3,377	15	20.0	-	4,580	17	19.9	-
Zero years / no Natural Science courses reported	1,312	3	19.5	-	744	3	19.9	-	551	2	19.0	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 48,865

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	14,594	30	22.5	78	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	30,972	63	21.5	72	1,305,220	71	20.5	65
Less than 4 years of English	2,037	4	18.0	51	88,420	5	15.9	36
Zero years / no English courses reported	1,262	3	18.1	51	81,272	4	16.3	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,519	5	24.1	69	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,633	12	22.5	61	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	2,720	6	19.7	34	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	9,497	19	20.1	37	356,555	19	19.4	31
Other comb of 4 or more years of Math	15,447	32	23.8	67	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	7,170	15	17.4	11	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	1,780	4	20.2	38	90,105	5	19.8	35
Less than 3 years of Math	2,773	6	16.7	9	74,627	4	16.4	8
Zero years / no Math courses reported	1,326	3	18.3	23	84,966	5	17.8	19
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	2,540	5	22.4	52	48,992	3	22.3	50
Other comb of 4 or more years Social Science	21,678	44	22.9	55	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	6,556	13	20.7	39	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	13,907	28	22.4	51	504,877	27	21.3	43
Less than 3 years of Social Science	2,888	6	21.3	44	180,385	10	19.4	32
Zero years / no Social Science courses reported	1,296	3	19.8	37	85,294	5	17.8	24
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	18,425	38	22.8	52	781,043	42	22.1	46
Bio, Chem, Phys	5,069	10	23.3	54	199,419	11	23.1	54
Gen Sci ¹ , Bio, Chem	14,599	30	21.1	37	505,460	27	20.0	28
Other comb of 3 years of Natural Science	1,464	3	20.7	35	52,236	3	19.2	24
Less than 3 years of Natural Science	7,996	16	19.9	26	220,701	12	18.1	17
Zero years / no Natural Science courses reported	1,312	3	19.5	28	86,928	5	17.7	17

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 48,865

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 & Natural Resources Conservation	1,083	2	20.6	96	4	17.8	941	2	20.9
Architecture	561	1	21.7	25	1	16.6	499	1	22.2
Area, Ethnic, & Multidisciplinary Studies	49	0	23.2	1	0	15.0	44	0	23.8
Arts: Visual & Performing	3,122	6	21.0	214	8	17.9	2,683	6	21.5
Business	4,573	9	21.5	255	10	17.5	4,111	10	21.9
Communications	984	2	22.5	26	1	16.4	923	2	22.7
Community, Family, & Personal Services	1,223	3	19.1	163	6	17.2	986	2	19.5
Computer Science & Mathematics	1,383	3	23.4	82	3	18.9	1,222	3	23.8
Education	3,515	7	21.0	83	3	17.0	3,276	8	21.2
Engineering	3,331	7	24.4	113	4	17.9	3,063	7	24.8
Engineering Technology & Drafting	653	1	21.1	80	3	17.9	538	1	21.8
English & Foreign Languages	482	1	24.1	14	1	19.0	443	1	24.3
Health Administration & Assisting	1,674	3	18.9	167	6	16.6	1,400	3	19.3
Health Sciences & Technologies	9,375	19	21.8	364	14	17.9	8,647	20	22.1
Philosophy, Religion, & Theology	264	1	22.3	5	0	16.0	238	1	22.5
Repair, Production, & Construction	549	1	18.0	291	11	17.5	219	1	18.9
Sciences: Biological & Physical	2,721	6	24.0	40	2	18.3	2,567	6	24.2
Social Sciences & Law	3,390	7	22.1	103	4	17.3	3,137	7	22.3
Undecided	8,548	17	22.1	436	17	17.8	7,143	17	22.6
No Response	1,367	3	18.7	58	2	14.8	163	0	18.3

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: 48,865

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	655	17.4	99	14.5	3	13.0	466	18.2	25	16.1
2-yr College Degree	1,968	17.6	277	14.9	11	16.7	1,425	18.3	109	16.8
Bachelors Degree	25,143	21.0	2,749	16.9	107	19.3	19,193	21.7	1,058	19.6
Graduate Study	7,266	24.4	573	19.5	19	22.5	5,652	24.9	280	23.2
Prof. Level Degree	9,843	24.0	1,247	19.2	46	22.8	6,783	24.8	481	22.3
Other	648	18.2	132	14.8	3	17.7	409	19.3	32	17.2
No Response	3,342	20.0	707	15.4	4	14.0	1,398	22.0	208	17.6

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	655	17.4	14	17.4	0	.	22	16.2	26	15.8
2-yr College Degree	1,968	17.6	20	15.9	5	19.4	54	16.8	67	17.2
Bachelors Degree	25,143	21.0	375	20.9	29	18.1	975	20.5	657	20.9
Graduate Study	7,266	24.4	163	25.1	10	23.1	278	23.9	291	24.3
Prof. Level Degree	9,843	24.0	416	26.3	16	22.1	457	23.4	397	24.7
Other	648	18.2	18	18.7	5	17.2	17	18.0	32	19.0
No Response	3,342	20.0	109	21.5	6	19.5	97	19.7	813	21.0

Total Students in Report: 48,865

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	9,589	4,163	5,426	0	4	14	31	30	18	2
MISSOURI STATE UNIVERSITY	Missouri	7,340	2,543	4,797	1	5	21	37	26	10	1
UNIVERSITY OF CENTRAL MISSOURI	Missouri	3,589	1,218	2,371	1	9	29	34	20	7	0
SOUTHEAST MISSOURI STATE UNIVERSITY	Missouri	3,043	1,126	1,917	1	8	27	36	19	9	1
UNIV OF MISSOURI-KANSAS CITY	Missouri	2,730	786	1,944	1	6	18	32	25	16	2
TRUMAN STATE UNIVERSITY	Missouri	2,452	750	1,702	0	2	11	26	33	24	3
NORTHWEST MISSOURI ST UNIV	Missouri	2,310	775	1,535	1	8	28	35	20	7	1
MISSOURI UNIV OF SCIENCE & TECHNOLOGY	Missouri	2,167	1,067	1,100	0	2	6	19	34	32	7
SAINT LOUIS UNIVERSITY	Missouri	1,799	452	1,347	1	6	12	24	28	25	4
LINDENWOOD UNIVERSITY	Missouri	1,718	543	1,175	1	8	24	37	21	8	0
UNIVERSITY OF MISSOURI-ST LOUIS	Missouri	1,517	344	1,173	1	10	23	32	21	11	1
MISSOURI WESTERN STATE UNIVERSITY	Missouri	1,488	586	902	2	14	34	31	14	5	0
UNIVERSITY OF KANSAS	Kansas	1,378	415	963	1	5	17	28	28	19	2
UNIVERSITY OF ARKANSAS	Arkansas	1,217	313	904	0	2	11	30	37	19	1
MISSOURI SOUTHERN STATE UNIV	Missouri	1,199	385	814	1	12	32	33	15	6	0
COLLEGE OF THE OZARKS	Missouri	1,162	541	621	0	7	26	38	22	8	1
NCAA ELIGIBILITY CENTER	Indiana	1,043	504	539	1	5	21	32	27	13	1
WASHINGTON UNIVERSITY IN ST LOUIS	Missouri	1,010	239	771	1	4	10	16	21	33	14
DRURY UNIVERSITY	Missouri	980	245	735	0	2	18	33	29	16	2
OZARKS TECHNICAL COMMUNITY COLLEGE	Missouri	977	390	587	1	11	37	33	14	3	0
KANSAS STATE UNIVERSITY	Kansas	882	247	635	1	8	20	28	24	16	3
MARYVILLE UNIV OF SAINT LOUIS	Missouri	809	233	576	1	4	18	33	30	13	1
STATE-COLLEGE/NO REPORTS NOW	Iowa	794	794	0	9	22	27	21	12	7	4
WEBSTER UNIVERSITY	Missouri	686	181	505	1	9	23	30	22	13	1
COLUMBIA COLLEGE	Missouri	665	194	471	0	8	27	37	19	9	0
CENTRAL METHODIST UNIVERSITY	Missouri	654	228	426	1	7	28	39	19	6	0
ROCKHURST UNIVERSITY	Missouri	648	147	501	0	4	12	30	33	19	2
ST CHARLES COMMUNITY COLLEGE	Missouri	634	271	363	2	9	30	37	18	4	0
SOUTHWEST BAPTIST UNIVERSITY	Missouri	619	187	432	0	5	20	35	28	10	1
CROWDER COLLEGE	Missouri	612	269	343	1	12	34	34	14	5	0
All Other Institutions		37,507	11,145	26,362	2	10	22	26	21	16	4
Total		93,218	31,281	61,937	1	8	21	29	24	15	3

Section V

Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 48,865

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	State	National
All Students	6,516	976,031	25.5	21.3	7.4	7.1	24.0	20.6
Black/African American	741	114,263	19.0	16.4	6.6	6.3	18.4	16.3
American Indian/Alaska Native	22	6,408	22.0	16.8	7.1	6.2	21.1	16.5
White	4,277	520,054	26.5	23.1	7.5	7.3	24.9	22.1
Hispanic/Latino	358	167,575	23.2	18.5	7.3	6.9	22.2	18.4
Asian	367	61,663	27.9	23.7	8.1	7.7	26.3	22.9
Native Hawaiian/Other Pac. Isl.	6	3,742	24.5	17.7	7.0	6.6	22.8	17.6
Two or more races	281	39,565	24.7	21.4	7.2	7.1	23.2	20.7
Prefer not/No Response	464	62,761	26.2	21.6	7.5	7.1	24.6	20.9
Males	2,980	438,500	25.5	21.1	7.2	6.9	23.7	20.2
Females	3,536	530,240	25.5	21.6	7.6	7.3	24.2	21.1
Missing	0	7,291	.	16.0	.	5.9	.	15.7

