

ACT Profile Report - State

Graduating Class 2013
Missouri



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2013 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 2013. 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 for 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

28% 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: 49,217 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 6% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 13% 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. 25% of these students were college ready. In comparison, 45% 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 47% 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.

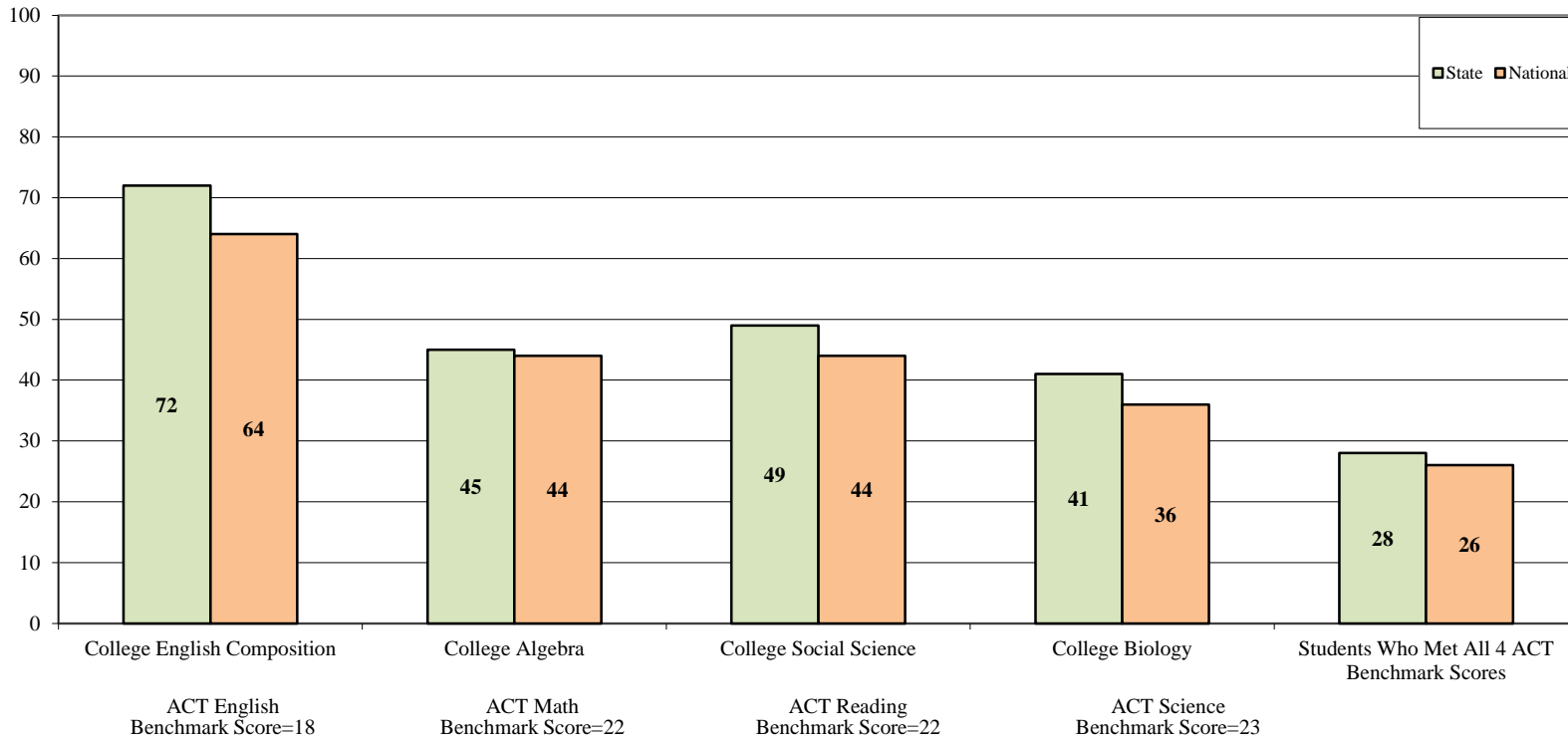
Section I

Executive Summary

Beginning 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.

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: 49,217

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
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
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

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
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
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
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

Total Students in Report: 49,217

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
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
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

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.

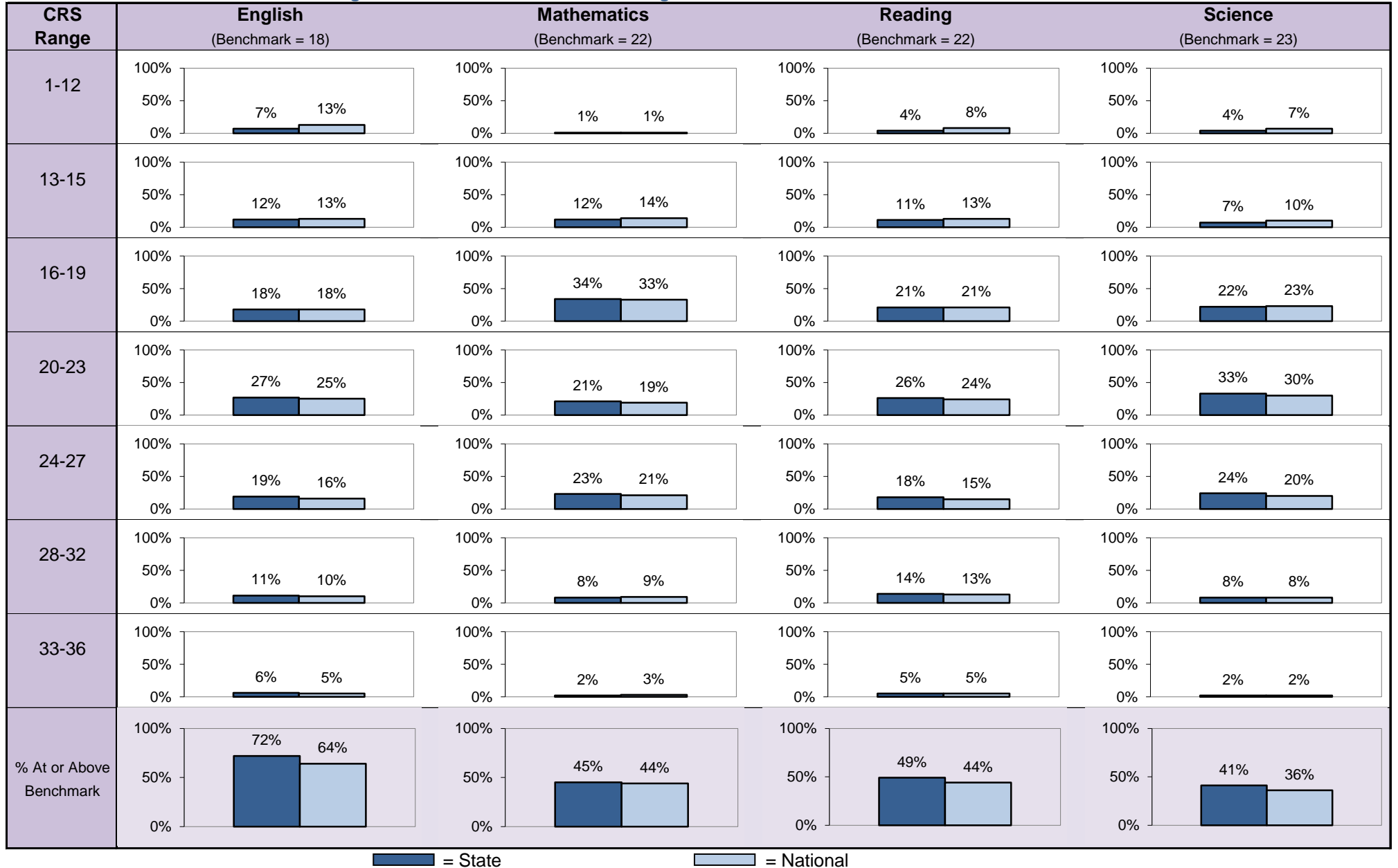
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	46,923	100	21.6	48,290	100	21.6	48,565	100	21.6	49,222	100	21.6	49,217	100	21.6
Black/African American	5,446	12	17.2	5,829	12	17.2	6,366	13	17.2	6,253	13	17.1	6,117	12	17.2
American Indian/Alaska Native	258	1	20.3	344	1	20.7	240	0	20.5	218	0	19.6	213	0	19.6
White	35,874	76	22.4	37,044	77	22.4	36,368	75	22.5	36,303	74	22.4	35,485	72	22.5
Hispanic/Latino	1,066	2	20.2	1,241	3	20.2	1,707	4	20.1	2,033	4	20.2	2,240	5	19.9
Asian	849	2	23.8	949	2	23.5	974	2	23.5	978	2	23.3	1,041	2	23.7
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	55	0	19.3	87	0	19.7	72	0	20.0
Two or more races	805	2	21.1	922	2	21.1	1,227	3	20.9	1,634	3	21.2	1,790	4	21.1
Prefer not to respond/No response	2,625	6	20.1	1,961	4	20.2	1,628	3	21.4	1,716	3	22.0	2,259	5	21.5

Total Students in Report: 49,217

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



Total Students in Report: 49,217

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	47,580	97	21.5	21.1	22.0	21.6	21.7
	Extended Time	1,637	3	18.4	18.9	20.5	19.8	19.5
	Total	49,217	100	21.4	21.0	21.9	21.6	21.6
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

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	72	46	49	41	28
	Extended Time	53	28	42	32	21
	Total	72	45	49	41	28
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	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: 49,217

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	238	100	145	100	479	100	202	100	44	100	36
35	699	100	244	100	335	99	318	100	171	100	35
34	780	98	437	99	855	98	294	99	295	100	34
33	1,051	97	346	98	1,028	97	256	98	417	99	33
32	796	94	457	98	1,187	95	523	98	670	98	32
31	943	93	440	97	1,709	92	681	97	1,048	97	31
30	1,180	91	685	96	1,358	89	775	95	1,001	95	30
29	1,060	88	968	94	1,360	86	988	94	1,315	93	29
28	1,589	86	1,530	92	1,468	83	1,181	92	1,667	90	28
27	1,573	83	1,969	89	1,576	80	1,680	89	2,034	87	27
26	2,146	80	2,904	85	1,748	77	1,979	86	2,234	82	26
25	2,582	76	2,876	79	1,902	73	3,627	82	2,780	78	25
24	2,975	70	3,328	74	3,514	70	4,344	75	3,216	72	24
23	3,034	64	3,124	67	2,500	62	3,403	66	3,412	66	23
22	3,106	58	2,658	60	3,018	57	4,029	59	3,688	59	22
21	3,535	52	2,321	55	3,897	51	5,004	51	3,777	51	21
20	3,698	45	2,152	50	3,326	43	3,836	41	3,657	44	20
19	2,292	37	3,036	46	2,992	36	3,683	33	3,438	36	19
18	2,046	32	3,092	40	2,951	30	3,296	25	3,343	29	18
17	1,934	28	4,900	34	2,139	24	1,954	19	2,889	22	17
16	2,427	24	5,464	24	2,343	20	1,792	15	2,473	17	16
15	2,710	19	3,691	12	2,264	15	1,506	11	2,082	11	15
14	1,777	14	1,672	5	1,566	11	1,186	8	1,596	7	14
13	1,369	10	526	2	1,516	8	932	5	1,065	4	13
12	975	7	172	1	1,122	4	691	4	618	2	12
11	942	5	60	1	597	2	578	2	220	1	11
10	770	4	12	1	283	1	282	1	45	1	10
9	492	2	3	1	85	1	124	1	15	1	9
8	324	1	2	1	41	1	47	1	4	1	8
7	109	1	0	1	29	1	15	1	3	1	7
6	47	1	2	1	11	1	7	1	0	1	6
5	9	1	0	1	9	1	2	1	0	1	5
4	4	1	1	1	2	1	0	1	0	1	4
3	3	1	0	1	3	1	0	1	0	1	3
2	2	1	0	1	4	1	0	1	0	1	2
1	0	1	0	1	0	1	2	1	0	1	1
Avg (SD)	21.4 (6.2)		21.0 (5.1)		21.9 (6.0)		21.6 (4.9)		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: 49,217

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	1,910	100	1,031	100	1,443	100	1,790	100	1,857	100	328	100	418	100	18
17	2,621	96	665	98	2,883	97	2,181	96	1,941	96	453	99	123	99	17
16	2,360	91	2,958	97	2,989	91	2,978	92	1,865	92	967	98	1,514	99	16
15	2,176	86	3,547	91	2,855	85	3,211	86	2,982	88	2,500	96	2,615	96	15
14	2,970	82	4,181	83	3,519	79	3,490	79	3,145	82	3,608	91	3,765	91	14
13	2,945	76	4,631	75	4,468	72	3,814	72	4,786	76	6,086	84	3,615	83	13
12	3,886	70	6,147	65	5,633	63	4,101	65	4,564	66	5,121	72	6,969	76	12
11	5,368	62	5,051	53	4,636	52	5,235	56	4,859	57	6,223	61	4,729	61	11
10	5,430	51	4,703	43	4,587	42	4,559	46	4,749	47	7,647	49	5,796	52	10
9	4,894	40	5,299	33	4,804	33	3,922	36	3,429	38	5,360	33	7,267	40	9
8	3,710	30	4,012	22	4,055	23	4,617	28	5,155	31	5,130	22	5,289	25	8
7	3,621	22	2,599	14	3,756	15	3,095	19	5,383	20	2,632	12	3,345	14	7
6	2,630	15	1,706	9	1,807	7	2,714	13	2,608	9	1,408	6	1,731	8	6
5	2,241	10	1,444	5	1,074	4	2,239	7	1,153	4	844	4	674	4	5
4	1,340	5	867	3	402	1	849	3	491	2	382	2	859	3	4
3	816	2	313	1	194	1	285	1	183	1	385	1	151	1	3
2	266	1	51	1	88	1	128	1	59	1	28	1	233	1	2
1	33	1	12	1	24	1	9	1	8	1	115	1	124	1	1
Avg (SD)	10.6 (3.8)		11.1 (3.3)		11.3 (3.5)		11.0 (3.7)		10.9 (3.5)		10.7 (2.8)		10.5 (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)	25	25	26	25	25
Q2 (50th Percentile)	21	20	21	21	21
Q1 (25th Percentile)	17	17	18	18	18

Total Students in Report: 49,217

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	49,217	71	22.4	19.8
	Black/African American	6,117	71	17.7	16.3
	American Indian/Alaska Native	213	67	20.6	17.9
	White	35,485	73	23.2	20.5
	Hispanic/Latino	2,240	70	20.7	18.5
	Asian	1,041	79	24.5	21.0
	Native Hawaiian/Other Pac. Isl.	72	76	20.6	18.7
	Two or more races	1,790	72	21.7	19.9
	Prefer not/No Response	2,259	53	22.9	20.0
National	All Students	1,799,243	74	21.7	18.7
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	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.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.4	21.0	21.9	21.6	21.6
	Black/African American	16.4	17.1	17.3	17.6	17.2
	American Indian/Alaska Native	18.7	19.1	20.2	19.9	19.6
	White	22.4	21.8	22.8	22.3	22.5
	Hispanic/Latino	19.3	19.5	20.2	20.1	19.9
	Asian	23.2	24.6	23.1	23.6	23.7
	Native Hawaiian/Other Pac. Isl.	19.5	19.7	20.3	20.1	20.0
	Two or more races	20.8	20.4	21.7	21.2	21.1
	Prefer not/No Response	21.1	20.7	22.2	21.4	21.5
National	All Students	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7

Total Students in Report: 49,217

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	2,768	6	1,172	2	2,697	5	1,070	2
	28 to 32	5,568	11	4,080	8	7,082	14	4,148	8
	24 to 27	9,276	19	11,077	23	8,740	18	11,630	24
	20 to 23	13,373	27	10,255	21	12,741	26	16,272	33
	16 to 19	8,699	18	16,492	34	10,425	21	10,725	22
	13 to 15	5,856	12	5,889	12	5,346	11	3,624	7
	01 to 12	3,677	7	252	1	2,186	4	1,748	4
National	33 to 36	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	22,929	47	21.2	21.7	21.9	22.2	21.9
	Females	26,174	53	21.6	20.5	22.0	21.0	21.4
	Missing	114	0	17.0	17.3	17.8	18.0	17.6
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

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	70	50	49	47	32
	Females	73	41	49	36	25
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

Total Students in Report: 49,217

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	35,123	77	22.3	52	21.8	54	22.7	47	22.3	33	22.4
	Less than Core	12,554	59	19.4	29	19.2	37	20.3	27	20.0	16	19.8
	Missing ³	1,540	43	17.1	20	17.8	32	18.9	23	18.6	14	18.2
National	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing	79,912	36	16.0	19	17.8	24	17.5	17	17.7	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	45,783	73	21.7	44,661	48	21.4	44,973	50	22.1	39,568	45	22.0
	Less than Core	2,080	53	18.4	3,103	8	16.6	2,857	41	20.9	8,240	25	19.8
	Missing ³	1,354	44	17.3	1,453	20	17.8	1,387	33	19.1	1,409	25	18.8
National	Core or More	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	17.8

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

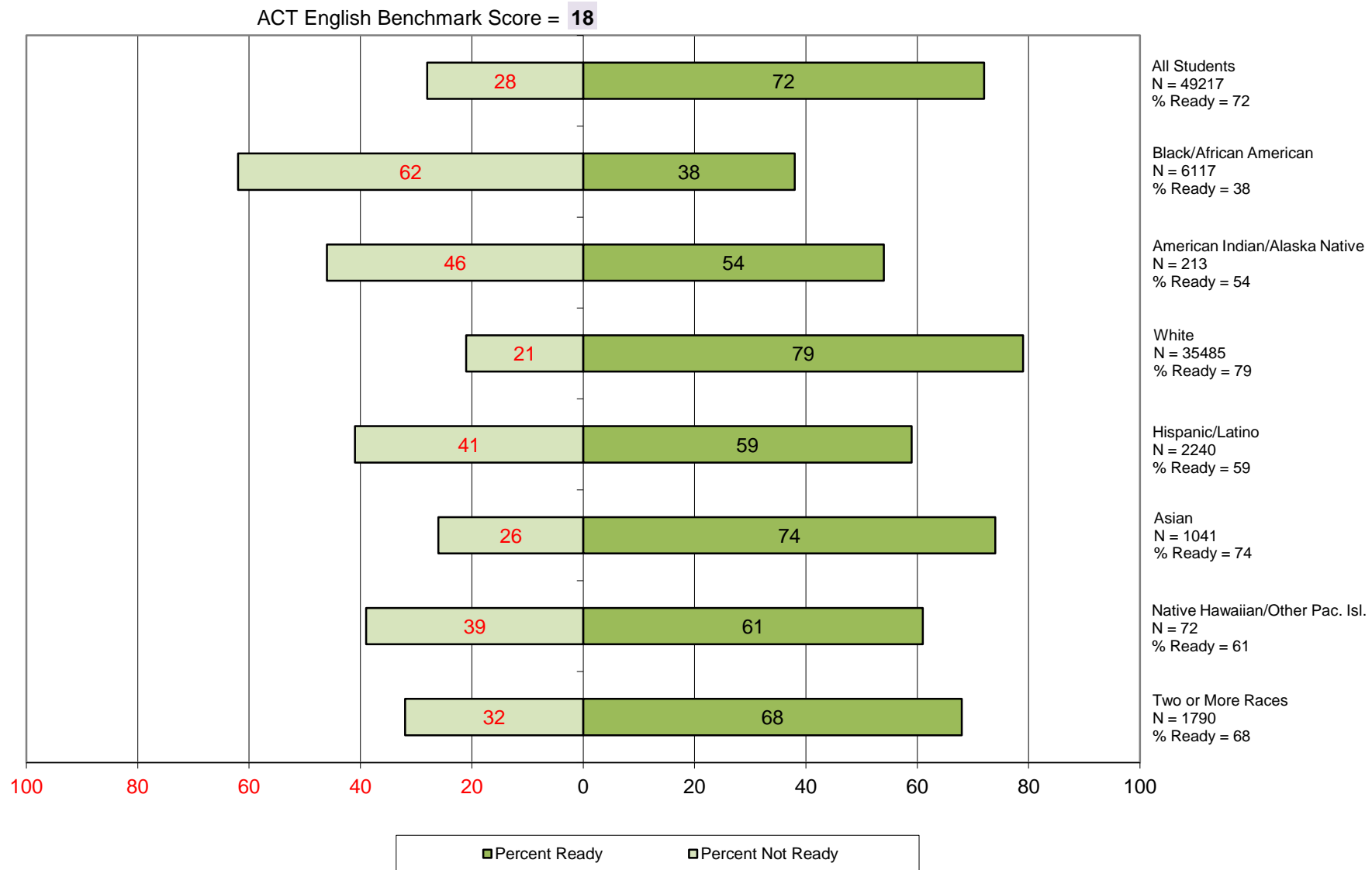


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

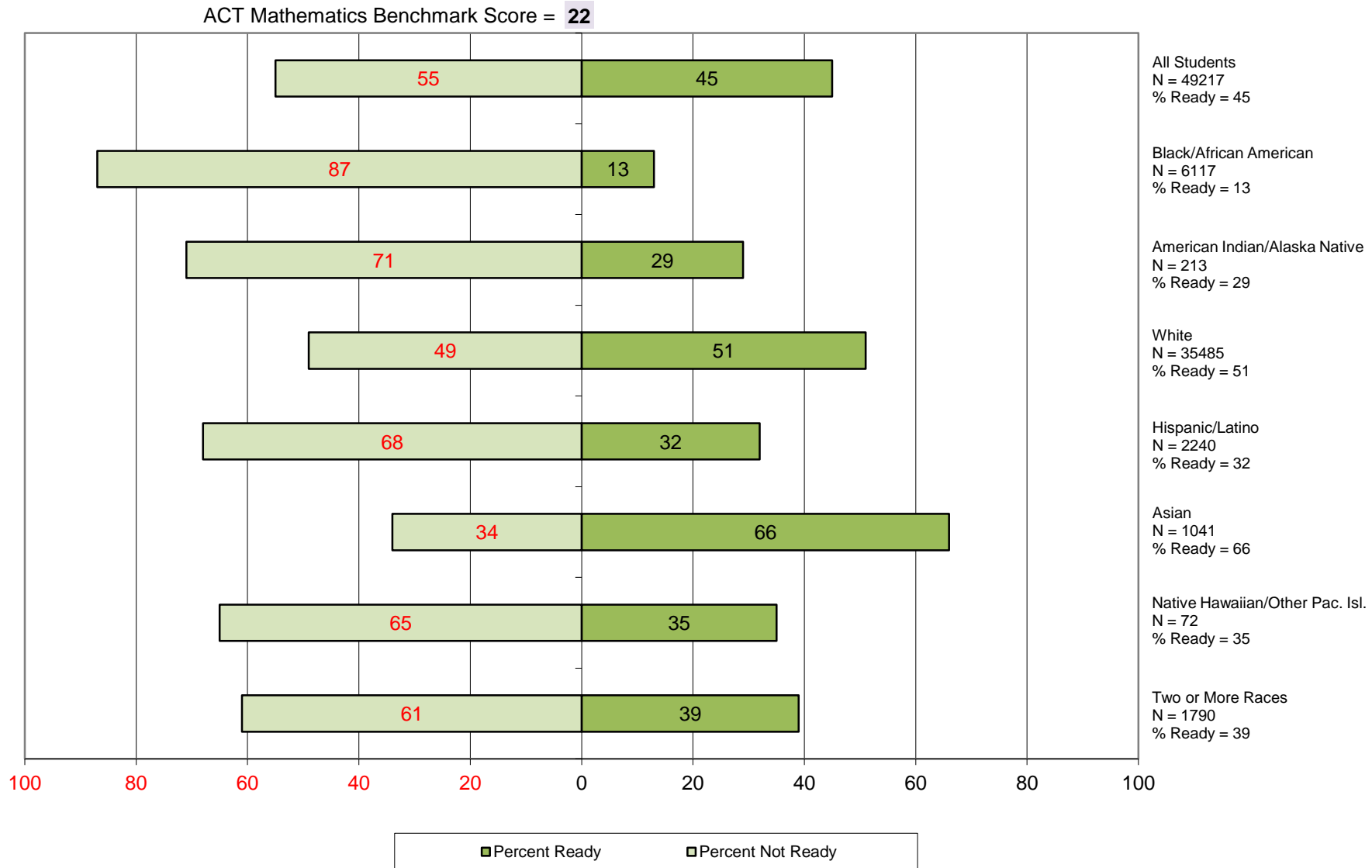


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

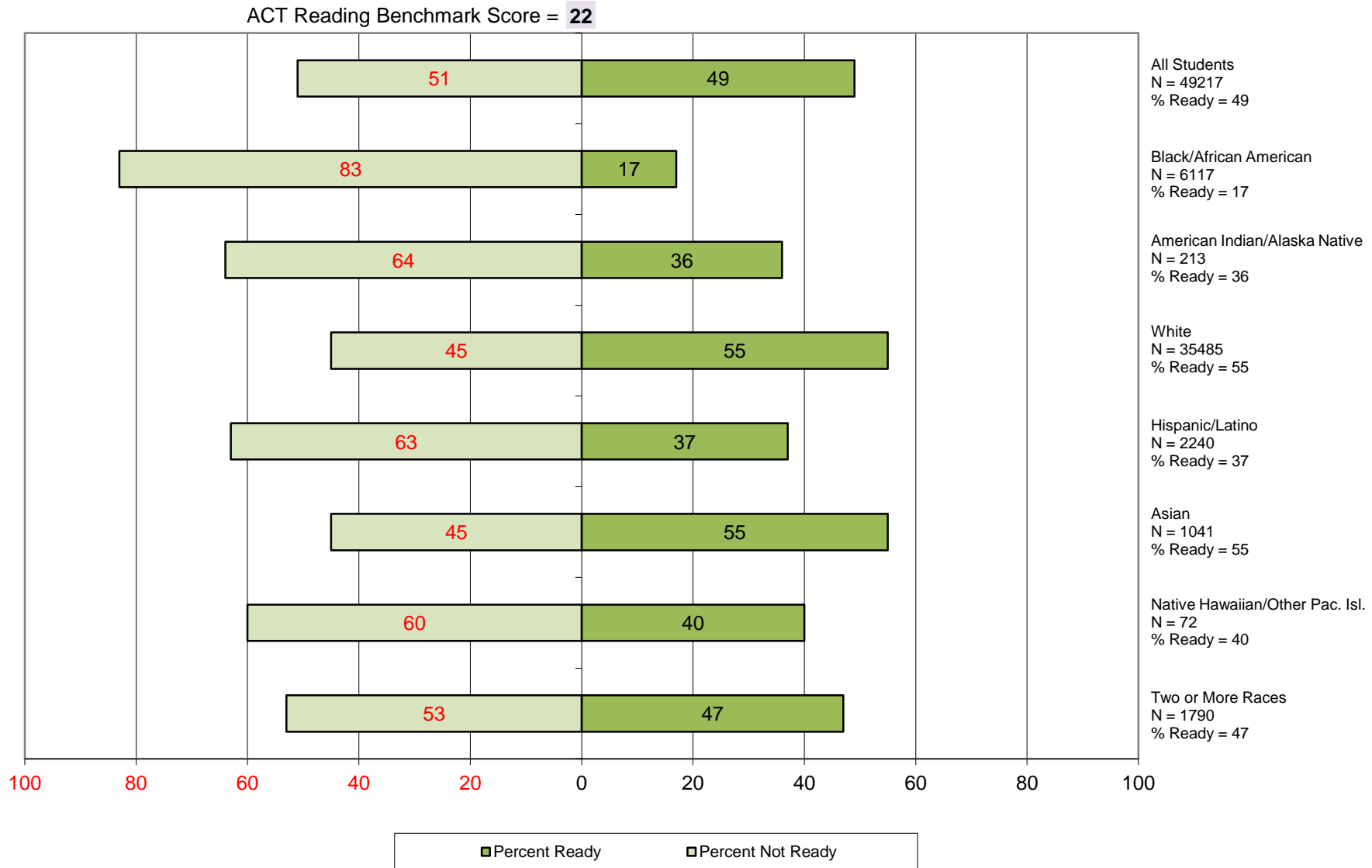
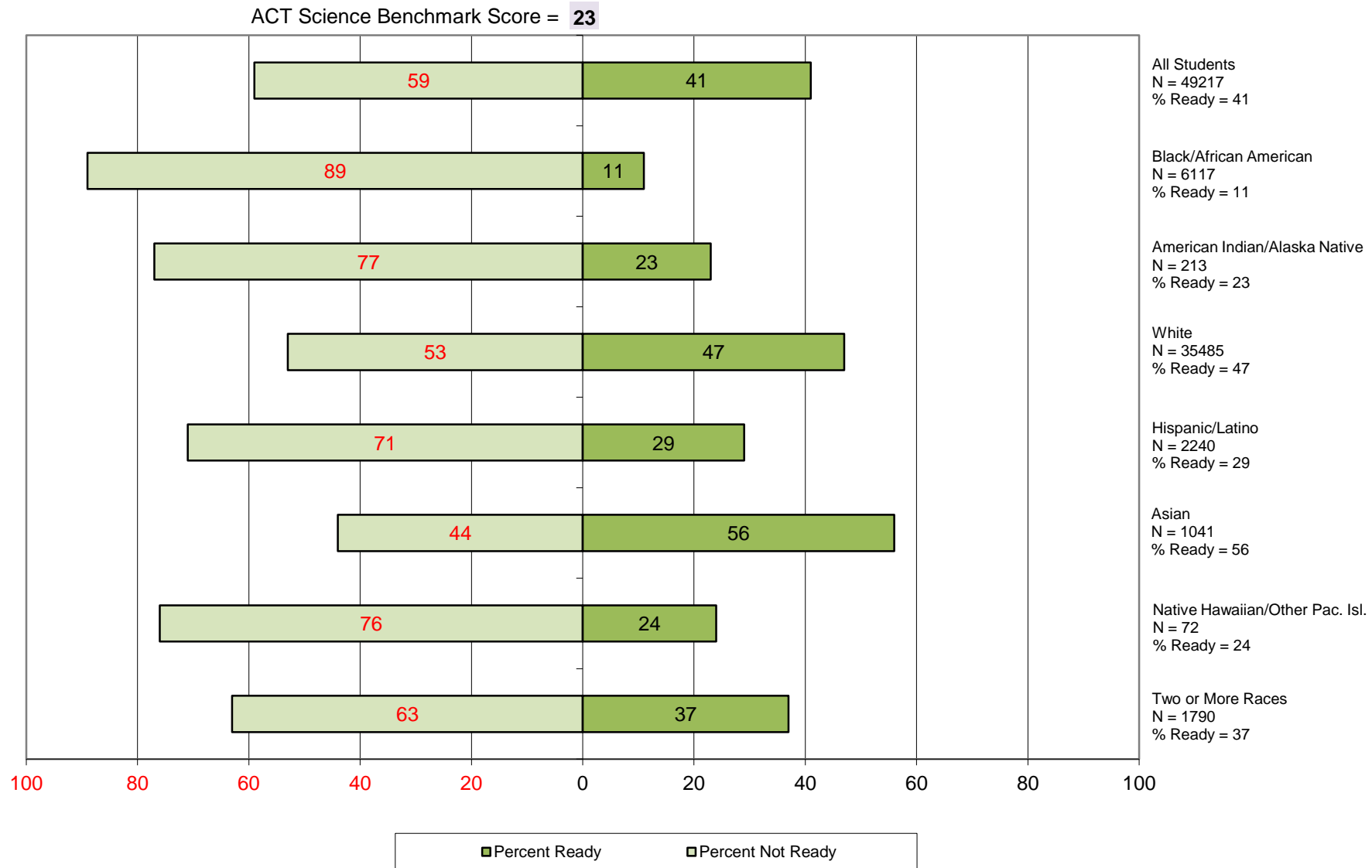
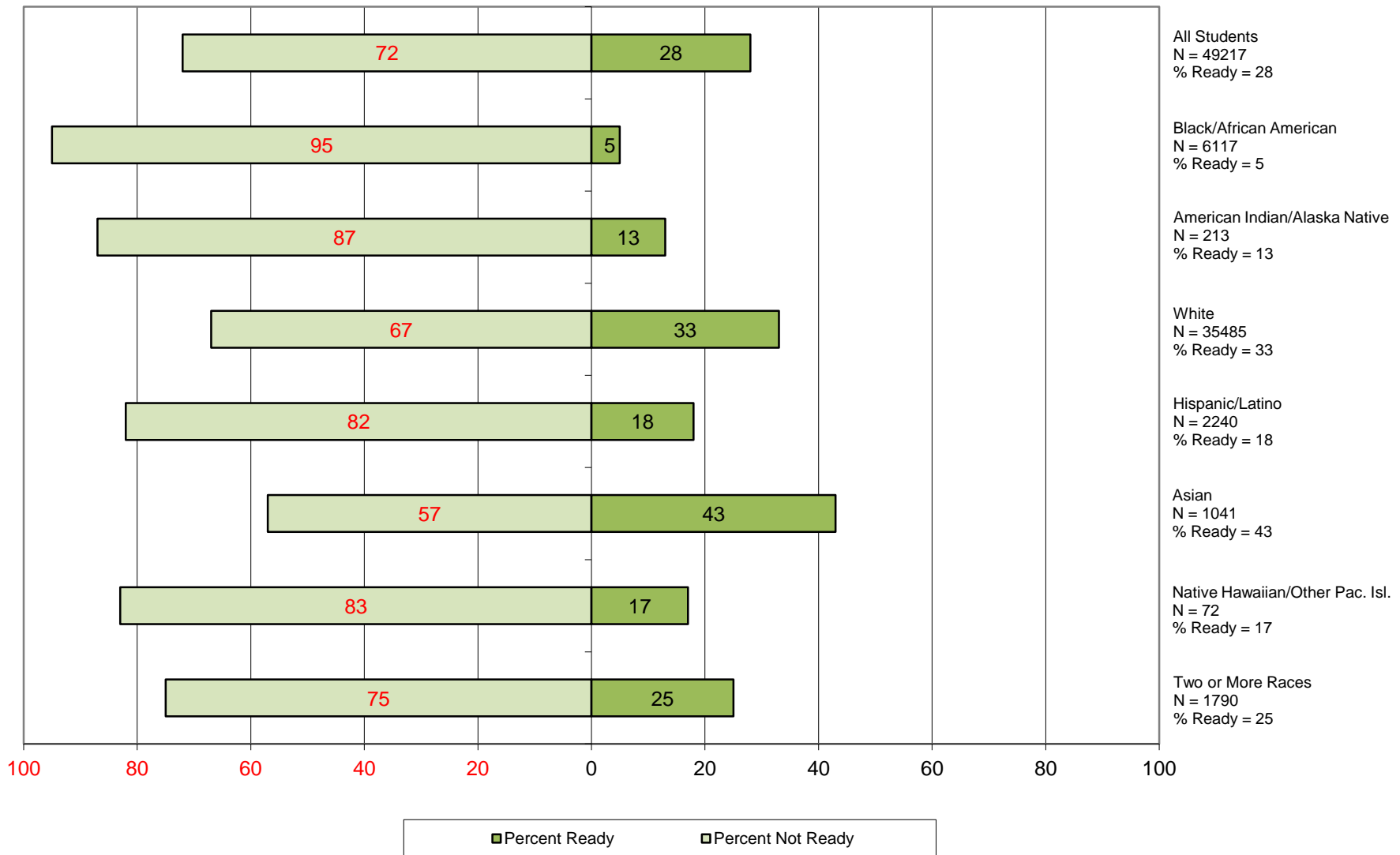


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 49,217

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



Total Students in Report: 49,217

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	15,074	31	22.4	4.0	6,242	27	22.1	3.9	8,824	34	22.5	3.9
Eng 9, Eng 10, Eng 11, Eng 12	30,709	62	21.3	2.9	14,967	65	21.2	3.0	15,686	60	21.5	2.9
Less than 4 years of English	2,080	4	18.4	-	961	4	18.2	-	1,106	4	18.6	-
Zero years / no English courses reported	1,354	3	17.3	-	759	3	16.9	-	558	2	17.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,264	5	24.1	7.5	1,118	5	24.9	8.1	1,145	4	23.3	6.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,801	12	22.4	5.8	2,269	10	22.9	6.1	3,521	13	22.1	5.6
Alg 1, Alg 2, Geom, & Trig	2,961	6	19.7	3.1	1,296	6	20.3	3.5	1,651	6	19.3	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	9,147	19	20.2	3.6	3,593	16	20.6	3.8	5,546	21	19.9	3.4
Other comb of 4 or more years of Math	15,239	31	23.8	7.2	8,075	35	24.5	7.7	7,153	27	22.9	6.4
Alg 1, Alg 2, & Geom	7,268	15	17.5	0.9	3,268	14	17.9	1.1	3,982	15	17.3	0.8
Other comb of 3 or 3.5 years of Math	1,981	4	20.2	3.6	1,022	4	20.3	3.5	956	4	20.1	3.6
Less than 3 years of Math	3,103	6	16.6	-	1,493	7	16.8	-	1,601	6	16.5	-
Zero years / no Math courses reported	1,453	3	17.8	-	795	3	18.2	-	619	2	17.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	2,432	5	22.1	1.2	1,329	6	21.9	0.9	1,100	4	22.4	1.5
Other comb of 4 or more years Social Science	22,593	46	22.6	1.7	10,406	45	22.7	1.7	12,165	46	22.6	1.7
US Hist, World Hist, & Am Gov	6,277	13	20.2	-0.7	3,159	14	20.2	-0.8	3,090	12	20.2	-0.7
Other comb of 3 or 3.5 years of Social Science	13,671	28	22.1	1.2	5,855	26	22.2	1.2	7,796	30	22.0	1.1
Less than 3 years of Social Science	2,857	6	20.9	-	1,407	6	21.0	-	1,447	6	20.9	-
Zero years / no Social Science courses reported	1,387	3	19.1	-	773	3	19.0	-	576	2	19.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	18,154	37	22.7	2.9	9,328	41	23.5	3.5	8,801	34	21.9	2.3
Bio, Chem, Phys	4,657	9	23.2	3.4	2,343	10	24.2	4.2	2,308	9	22.2	2.6
Gen Sci ² , Bio, Chem	15,253	31	21.1	1.3	6,023	26	21.4	1.4	9,202	35	20.9	1.3
Other comb of 3 years of Natural Science	1,504	3	20.7	0.9	839	4	21.7	1.7	663	3	19.4	-0.2
Less than 3 years of Natural Science	8,240	17	19.8	-	3,610	16	20.0	-	4,616	18	19.6	-
Zero years / no Natural Science courses reported	1,409	3	18.8	-	786	3	19.1	-	584	2	18.7	-

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: 49,217

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	15,074	31	22.4	78	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	30,709	62	21.3	71	1,265,911	70	20.3	65
Less than 4 years of English	2,080	4	18.4	53	84,048	5	15.9	36
Zero years / no English courses reported	1,354	3	17.3	44	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,264	5	24.1	70	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,801	12	22.4	61	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	2,961	6	19.7	35	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	9,147	19	20.2	38	336,291	19	19.6	32
Other comb of 4 or more years of Math	15,239	31	23.8	67	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	7,268	15	17.5	13	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	1,981	4	20.2	38	88,866	5	19.7	34
Less than 3 years of Math	3,103	6	16.6	8	77,906	4	16.3	7
Zero years / no Math courses reported	1,453	3	17.8	20	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	2,432	5	22.1	50	50,989	3	22.2	51
Other comb of 4 or more years Social Science	22,593	46	22.6	54	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	6,277	13	20.2	36	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	13,671	28	22.1	49	489,586	27	21.0	43
Less than 3 years of Social Science	2,857	6	20.9	41	171,617	10	19.1	32
Zero years / no Social Science courses reported	1,387	3	19.1	33	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	18,154	37	22.7	51	767,293	43	21.9	46
Bio, Chem, Phys	4,657	9	23.2	54	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	15,253	31	21.1	36	504,165	28	19.9	28
Other comb of 3 years of Natural Science	1,504	3	20.7	34	51,822	3	19.1	25
Less than 3 years of Natural Science	8,240	17	19.8	25	218,267	12	18.0	17
Zero years / no Natural Science courses reported	1,409	3	18.8	25	74,011	4	17.8	18

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: 49,217

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	1,120	2	20.3	100	4	17.2	970	2	20.8
Architecture	595	1	21.9	17	1	17.8	545	1	22.2
Area, Ethnic, & Multidisciplinary Studies	44	0	22.5	4	0	16.3	36	0	23.0
Arts: Visual & Performing	3,429	7	20.9	222	8	17.3	2,983	7	21.3
Business	4,451	9	21.3	243	9	17.1	3,986	9	21.7
Communications	1,095	2	22.1	30	1	16.1	1,025	2	22.4
Community, Family, & Personal Services	1,220	2	19.0	169	6	17.0	977	2	19.4
Computer Science & Mathematics	1,357	3	22.9	95	4	18.7	1,197	3	23.4
Education	3,493	7	21.1	79	3	16.3	3,292	8	21.2
Engineering	3,069	6	24.2	94	4	17.1	2,813	7	24.6
Engineering Technology & Drafting	681	1	21.2	81	3	16.9	563	1	22.1
English & Foreign Languages	549	1	24.2	22	1	19.7	489	1	24.4
Health Administration & Assisting	1,588	3	18.8	158	6	16.9	1,317	3	19.1
Health Sciences & Technologies	9,536	19	21.5	403	15	17.5	8,702	21	21.8
Philosophy, Religion, & Theology	304	1	22.0	9	0	19.4	267	1	22.3
Repair, Production, & Construction	647	1	18.1	322	12	17.3	270	1	19.2
Sciences: Biological & Physical	2,550	5	24.1	30	1	17.7	2,409	6	24.3
Social Sciences & Law	3,556	7	21.8	97	4	17.5	3,279	8	22.0
Undecided	8,384	17	22.2	408	15	17.9	7,058	17	22.6
No Response	1,527	3	17.9	59	2	13.6	182	0	18.0

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: 49,217

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	681	17.0	135	14.7	3	15.0	449	17.8	36	15.3
2-yr College Degree	1,966	17.4	278	14.6	14	17.3	1,452	18.0	95	16.4
Bachelors Degree	25,231	20.8	2,964	16.9	109	18.8	19,184	21.6	1,040	19.5
Graduate Study	7,087	24.2	582	18.9	19	23.7	5,566	24.8	265	22.6
Prof. Level Degree	10,058	23.8	1,326	19.1	39	23.0	6,869	24.7	484	22.4
Other	764	18.4	132	15.1	7	17.1	486	19.5	46	17.2
No Response	3,430	19.7	700	15.5	22	17.5	1,479	22.0	274	16.7

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	681	17.0	12	17.1	2	18.0	19	18.2	25	15.6
2-yr College Degree	1,966	17.4	21	18.0	1	11.0	56	17.5	49	17.3
Bachelors Degree	25,231	20.8	328	20.8	43	19.3	875	20.2	688	20.8
Graduate Study	7,087	24.2	140	25.8	8	24.0	254	23.1	253	24.6
Prof. Level Degree	10,058	23.8	423	26.5	14	21.4	465	22.9	438	24.1
Other	764	18.4	26	17.8	1	18.0	31	18.7	35	18.3
No Response	3,430	19.7	91	22.2	3	19.0	90	19.0	771	20.2

Total Students in Report: 49,217

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	10,048	4,359	5,689	1	4	15	32	30	17	1
MISSOURI STATE UNIVERSITY	Missouri	7,250	2,400	4,850	0	5	22	36	26	10	0
UNIVERSITY OF CENTRAL MISSOURI	Missouri	3,761	1,275	2,486	1	9	29	35	19	6	0
SOUTHEAST MISSOURI STATE UNIVERSITY	Missouri	3,067	1,103	1,964	1	8	30	33	21	7	0
UNIV OF MISSOURI-KANSAS CITY	Missouri	2,887	819	2,068	2	7	19	31	26	14	1
NORTHWEST MISSOURI ST UNIV	Missouri	2,478	877	1,601	0	8	28	37	20	7	0
TRUMAN STATE UNIVERSITY	Missouri	2,467	737	1,730	0	2	10	26	34	25	2
MISSOURI UNIV OF SCIENCE & TECHNOLOGY	Missouri	1,991	947	1,044	0	1	7	21	35	30	5
SAINT LOUIS UNIVERSITY	Missouri	1,850	479	1,371	1	6	15	25	28	22	2
LINDENWOOD UNIVERSITY	Missouri	1,822	571	1,251	1	8	27	35	20	8	0
UNIVERSITY OF MISSOURI-ST LOUIS	Missouri	1,562	314	1,248	2	9	24	34	21	9	0
MISSOURI WESTERN STATE UNIVERSITY	Missouri	1,504	554	950	1	13	33	32	17	4	0
UNIVERSITY OF KANSAS	Kansas	1,287	359	928	1	6	15	29	30	17	2
MISSOURI SOUTHERN STATE UNIV	Missouri	1,231	402	829	2	9	31	34	18	6	0
UNIVERSITY OF ARKANSAS	Arkansas	1,214	358	856	0	2	9	35	35	18	1
COLLEGE OF THE OZARKS	Missouri	1,202	561	641	0	8	29	36	20	7	0
WASHINGTON UNIVERSITY IN ST LOUIS	Missouri	1,067	270	797	1	6	9	14	25	35	9
DRURY UNIVERSITY	Missouri	1,064	268	796	0	4	19	32	29	15	1
NCAA ELIGIBILITY CENTER	Indiana	995	476	519	1	6	22	33	25	13	1
OZARKS TECHNICAL COMMUNITY COLLEGE	Missouri	990	374	616	1	9	36	35	15	4	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	916	916	0	9	20	25	20	12	9	4
COLUMBIA COLLEGE	Missouri	739	204	535	2	10	27	35	21	6	0
ROCKHURST UNIVERSITY	Missouri	728	197	531	1	5	15	30	31	18	1
MARYVILLE UNIV OF SAINT LOUIS	Missouri	726	220	506	1	4	19	37	26	12	1
KANSAS STATE UNIVERSITY	Kansas	725	203	522	1	7	19	30	27	14	2
ST CHARLES COMMUNITY COLLEGE	Missouri	642	302	340	1	9	33	36	17	4	0
SOUTHWEST BAPTIST UNIVERSITY	Missouri	641	212	429	0	7	21	34	26	11	1
CENTRAL METHODIST UNIVERSITY	Missouri	625	218	407	0	8	30	36	18	7	0
PITTSBURG STATE UNIVERSITY	Kansas	624	170	454	1	9	29	34	21	6	0
WEBSTER UNIVERSITY	Missouri	611	151	460	2	7	22	31	24	13	1
All Other Institutions		37,590	11,350	26,240	2	10	23	27	21	15	3
Total		94,304	31,646	62,658	1	8	22	30	23	14	2

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: 49,217

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	6,744	942,769	25.3	21.3	7.3	7.0	23.7	20.5
Black/African American	813	114,751	19.3	16.3	6.5	6.1	18.6	16.0
American Indian/Alaska Native	31	6,031	22.3	16.8	7.3	6.1	21.5	16.4
White	4,467	518,407	26.5	22.9	7.4	7.2	24.6	21.9
Hispanic/Latino	366	151,504	22.0	18.6	6.9	6.8	20.9	18.3
Asian	342	54,580	28.2	23.5	8.0	7.6	26.5	22.7
Native Hawaiian/Other Pac. Isl.	13	2,812	21.2	19.5	7.3	6.9	20.8	19.2
Two or more races	267	35,355	24.4	21.5	7.3	7.0	23.1	20.6
Prefer not/No Response	445	59,329	26.0	21.8	7.4	7.1	24.3	20.9
Males	3,079	423,104	25.4	21.0	7.1	6.7	23.6	20.1
Females	3,664	513,945	25.2	21.6	7.4	7.2	23.8	20.9
Missing	1	5,720	22.0	16.6	6.0	6.3	20.0	16.5

