

ACT Profile Report - State

Graduating Class 2013
Tennessee



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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

18% 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: 69,641 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. 70% 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 3% of the cohort took less than three years of math courses. Of these students, 3% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 6% of these students were college ready. In comparison, 34% 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 10% of the cohort took less than three years of natural science courses. 22% of these students were college ready. In comparison, 28% 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 63% 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.

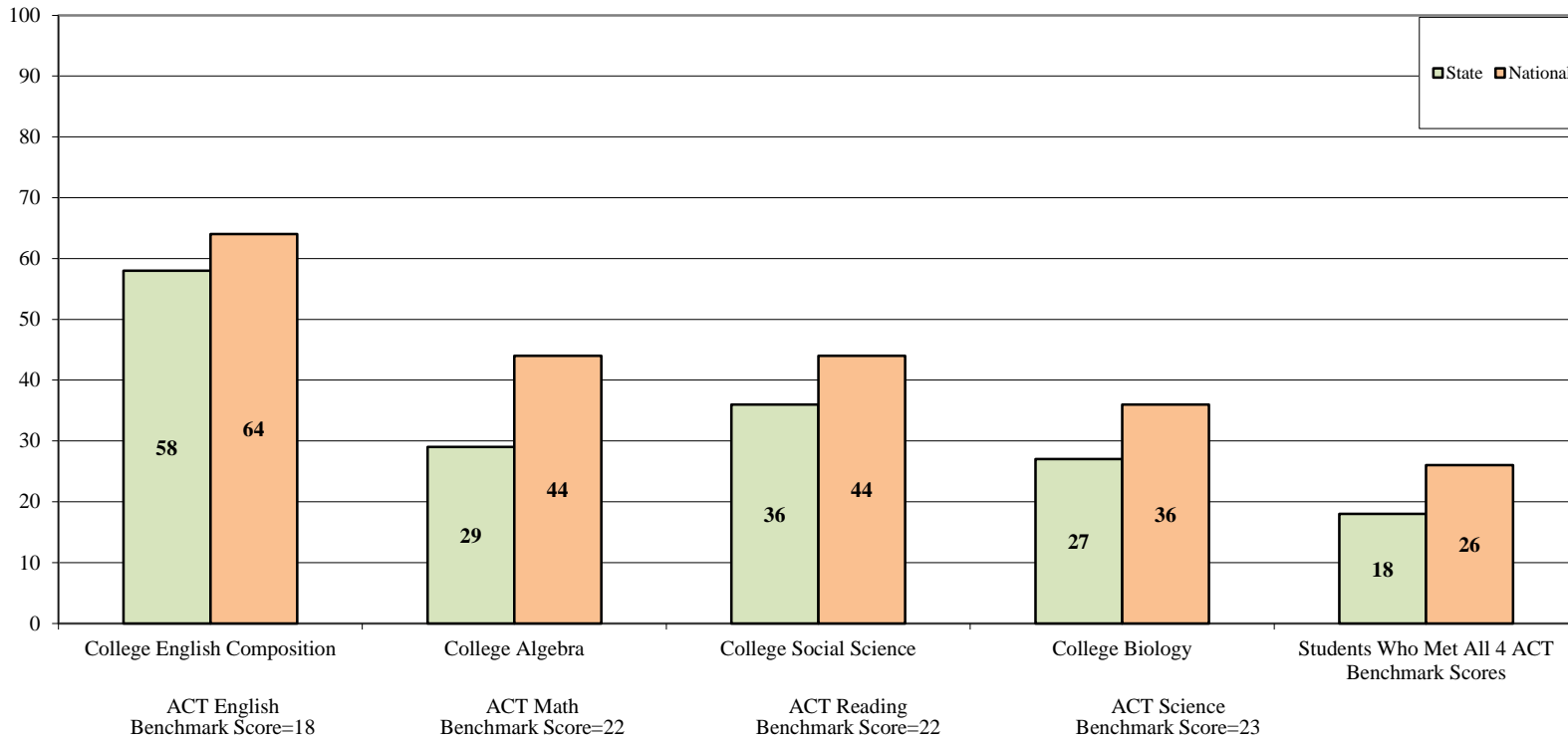
Section I

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.

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	52,052	1,480,469	69	67	33	42	50	53	24	28	18	23
2010	66,552	1,568,835	59	66	27	43	43	52	20	29	16	24
2011	68,524	1,623,112	58	66	27	45	41	52	20	30	15	25
2012	68,095	1,666,017	59	67	29	46	43	52	21	31	16	25
2013	69,641	1,799,243	58	64	29	44	36	44	27	36	18	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	52,052	1,480,469	20.7	20.6	19.8	21.0	21.0	21.4	20.4	20.9	20.6	21.1
2010	66,552	1,568,835	19.4	20.5	19.0	21.0	19.9	21.3	19.6	20.9	19.6	21.0
2011	68,524	1,623,112	19.4	20.6	19.0	21.1	19.7	21.3	19.4	20.9	19.5	21.1
2012	68,095	1,666,017	19.6	20.5	19.1	21.1	19.9	21.3	19.6	20.9	19.7	21.1
2013	69,641	1,799,243	19.3	20.2	19.1	20.9	19.8	21.1	19.4	20.7	19.5	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: 69,641

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	37,297	13,918	72	27	21.6	18.7	20.5	18.2	21.7	19.3	21.0	18.8	21.3	18.9
2010	41,629	22,318	63	34	21.1	16.9	20.1	17.3	21.3	17.8	20.8	17.8	20.9	17.6
2011	43,774	22,054	64	32	20.9	16.9	20.0	17.3	21.0	17.7	20.5	17.6	20.7	17.5
2012	44,352	20,918	65	31	21.0	17.1	20.0	17.5	21.0	18.0	20.6	17.9	20.8	17.7
2013	48,654	16,003	70	23	20.5	17.0	19.8	17.7	20.8	18.0	20.3	17.9	20.5	17.8

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.

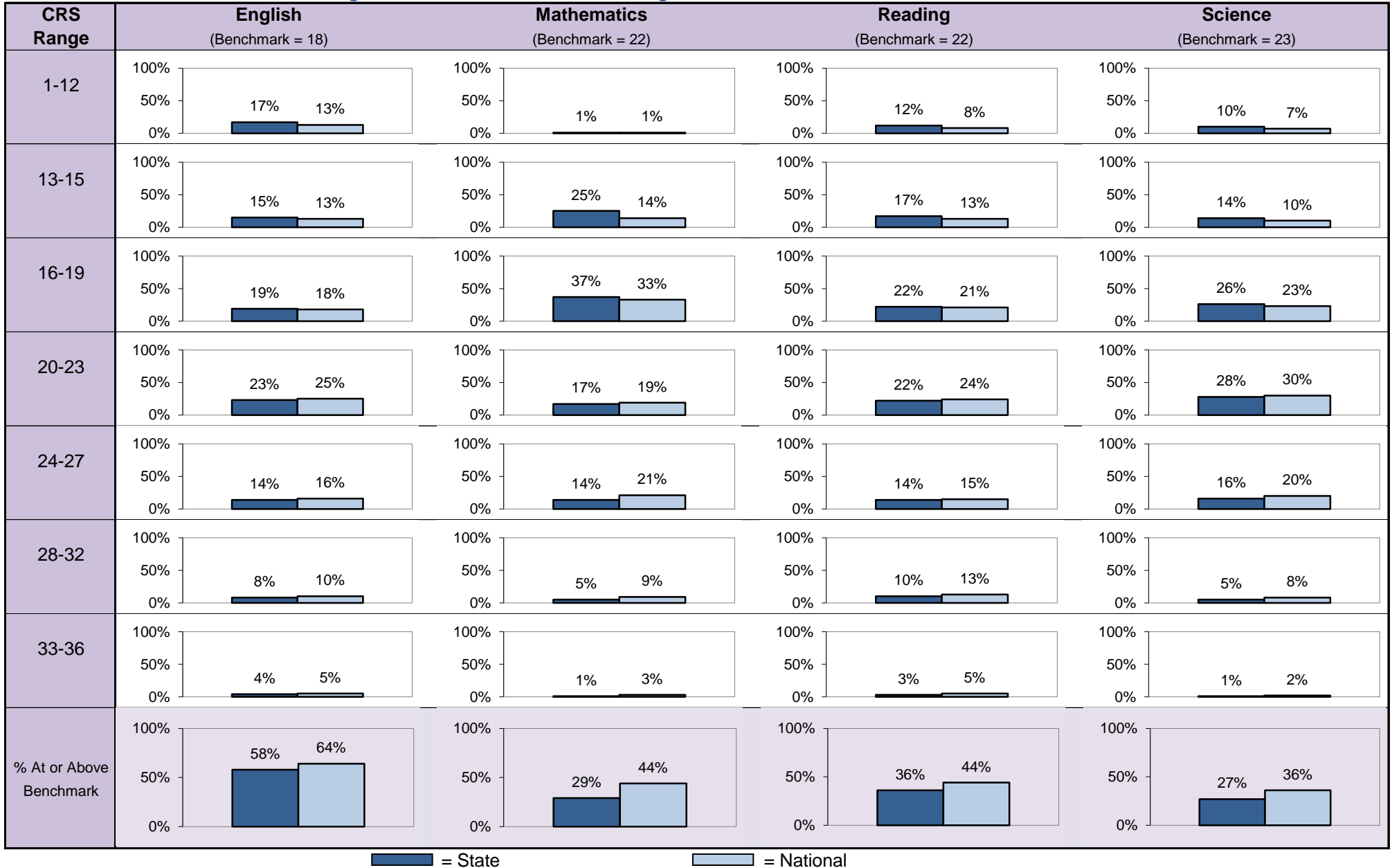
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	52,052	100	20.6	66,552	100	19.6	68,524	100	19.5	68,095	100	19.7	69,641	100	19.5
Black/African American	10,283	20	16.9	13,267	20	16.3	14,215	21	16.3	13,748	20	16.4	13,403	19	16.3
American Indian/Alaska Native	179	0	19.9	257	0	18.9	275	0	18.6	249	0	18.1	253	0	17.7
White	36,911	71	21.6	45,980	69	20.6	46,104	67	20.5	45,546	67	20.7	46,429	67	20.5
Hispanic/Latino	1,220	2	19.2	2,044	3	18.0	2,682	4	18.2	3,286	5	18.3	3,535	5	18.1
Asian	876	2	22.9	1,128	2	22.5	1,108	2	22.3	1,093	2	22.4	1,179	2	22.2
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	28	0	20.0	84	0	20.1	81	0	18.8
Two or more races	859	2	20.7	1,282	2	19.7	1,345	2	19.8	1,610	2	20.2	1,807	3	20.0
Prefer not to respond/No response	1,724	3	20.8	2,594	4	19.1	2,767	4	19.0	2,479	4	19.0	2,954	4	19.0

Total Students in Report: 69,641

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



Total Students in Report: 69,641

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	66,091	95	19.6	19.2	20.0	19.6	19.7
	Extended Time	3,550	5	14.1	16.2	16.2	16.0	15.7
	Total	69,641	100	19.3	19.1	19.8	19.4	19.5
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	60	30	37	27	18
	Extended Time	25	11	20	13	8
	Total	58	29	36	27	18
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: 69,641

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	199	100	109	100	379	100	145	100	28	100	36
35	685	100	237	100	281	99	246	100	139	100	35
34	892	99	316	100	810	99	248	99	248	100	34
33	1,068	97	285	99	929	98	170	99	400	99	33
32	877	96	346	99	1,117	97	426	99	605	99	32
31	974	95	381	98	1,547	95	553	98	789	98	31
30	1,172	93	648	98	1,300	93	675	97	1,018	97	30
29	1,049	92	833	97	1,356	91	702	96	1,249	95	29
28	1,772	90	1,286	95	1,491	89	951	95	1,470	94	28
27	1,508	88	1,702	94	1,615	87	1,528	94	1,853	91	27
26	2,246	85	2,376	91	1,879	84	1,765	92	2,259	89	26
25	2,732	82	2,637	88	2,007	82	3,417	89	2,636	86	25
24	2,949	78	2,979	84	4,073	79	4,282	84	3,005	82	24
23	3,311	74	3,061	80	2,920	73	3,383	78	3,358	77	23
22	3,728	69	2,883	75	3,152	69	4,667	73	4,092	73	22
21	4,210	64	2,811	71	5,092	64	6,125	67	4,744	67	21
20	4,590	58	2,765	67	4,130	57	5,320	58	4,450	60	20
19	3,395	51	3,723	63	3,689	51	5,640	50	4,855	54	19
18	3,000	46	4,117	58	4,156	46	5,826	42	4,990	47	18
17	3,312	42	7,676	52	4,139	40	3,522	34	4,750	39	17
16	3,505	37	10,240	41	3,619	34	3,385	29	4,733	33	16
15	4,274	32	9,599	26	3,746	29	3,470	24	4,508	26	15
14	3,434	26	5,467	12	4,623	23	3,136	19	4,476	19	14
13	2,708	21	2,305	5	3,201	17	2,980	14	4,120	13	13
12	2,293	17	551	1	4,006	12	2,418	10	3,112	7	12
11	2,375	14	220	1	2,511	6	2,592	7	1,377	3	11
10	2,976	11	59	1	1,000	3	1,184	3	304	1	10
9	1,881	6	9	1	446	1	527	1	56	1	9
8	1,562	4	10	1	254	1	228	1	9	1	8
7	680	1	0	1	103	1	84	1	8	1	7
6	183	1	6	1	24	1	31	1	0	1	6
5	80	1	0	1	30	1	6	1	0	1	5
4	12	1	3	1	11	1	6	1	0	1	4
3	6	1	0	1	2	1	1	1	0	1	3
2	2	1	0	1	3	1	1	1	0	1	2
1	1	1	1	1	0	1	1	1	0	1	1
Avg (SD)	19.3 (6.7)		19.1 (4.8)		19.8 (6.2)		19.4 (5.2)		19.5 (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: 69,641

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	2,093	100	884	100	1,149	100	1,525	100	1,480	100	249	100	338	100	18
17	3,128	97	749	99	2,547	98	2,602	98	1,835	98	395	100	72	100	17
16	2,549	93	2,545	98	3,089	95	2,465	94	1,754	95	791	99	1,196	99	16
15	2,362	89	3,620	94	2,698	90	3,432	91	2,912	93	2,103	98	2,172	98	15
14	3,073	85	3,885	89	3,338	86	3,892	86	3,093	89	3,254	95	3,025	95	14
13	3,452	81	4,724	83	5,759	82	4,260	80	4,356	84	5,006	90	3,548	90	13
12	4,100	76	6,549	76	6,420	73	4,619	74	4,834	78	5,273	83	6,389	85	12
11	6,580	70	6,840	67	6,312	64	5,992	67	5,291	71	6,821	75	6,075	76	11
10	6,510	61	6,243	57	6,996	55	5,512	59	6,691	63	11,384	66	7,453	67	10
9	6,791	51	8,151	48	7,270	45	5,716	51	4,581	54	8,418	49	11,550	57	9
8	5,090	42	6,585	37	6,940	35	7,952	43	8,690	47	9,347	37	8,936	40	8
7	6,075	34	5,621	27	7,366	25	5,187	31	11,915	35	7,121	24	7,484	27	7
6	4,792	26	4,636	19	4,331	14	5,013	24	7,061	18	4,695	14	5,100	16	6
5	4,603	19	4,182	12	3,102	8	6,568	16	2,965	7	899	7	1,163	9	5
4	4,698	12	3,173	6	1,359	3	2,835	7	1,365	3	2,318	6	3,138	7	4
3	2,439	5	1,024	2	666	1	1,363	3	569	1	1,223	2	322	3	3
2	1,224	2	208	1	247	1	659	1	218	1	88	1	1,300	2	2
1	82	1	22	1	52	1	49	1	31	1	256	1	380	1	1
Avg (SD)	9.6 (4.1)		9.9 (3.5)		10.3 (3.5)		9.8 (3.9)		9.6 (3.5)		9.5 (2.9)		9.3 (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	22	24	23	23
Q2 (50th Percentile)	19	17	19	19	19
Q1 (25th Percentile)	14	15	15	16	15

Total Students in Report: 69,641

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	69,641	70	20.5	17.8
	Black/African American	13,403	65	17.2	15.0
	American Indian/Alaska Native	253	57	19.2	15.8
	White	46,429	73	21.3	18.8
	Hispanic/Latino	3,535	66	19.2	16.4
	Asian	1,179	77	22.9	20.2
	Native Hawaiian/Other Pac. Isl.	81	62	19.7	18.0
	Two or more races	1,807	73	20.7	18.3
	Prefer not/No Response	2,954	50	21.2	17.0
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	19.3	19.1	19.8	19.4	19.5
	Black/African American	15.5	16.4	16.3	16.5	16.3
	American Indian/Alaska Native	16.8	17.5	18.0	18.0	17.7
	White	20.5	19.8	20.9	20.3	20.5
	Hispanic/Latino	17.3	18.1	18.3	18.4	18.1
	Asian	21.8	23.1	21.5	21.9	22.2
	Native Hawaiian/Other Pac. Isl.	18.3	18.7	18.9	18.6	18.8
	Two or more races	20.0	19.3	20.4	19.9	20.0
	Prefer not/No Response	18.4	18.7	19.5	18.9	19.0
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: 69,641

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	2,844	4	947	1	2,399	3	809	1
	28 to 32	5,844	8	3,494	5	6,811	10	3,307	5
	24 to 27	9,435	14	9,694	14	9,574	14	10,992	16
	20 to 23	15,839	23	11,520	17	15,294	22	19,495	28
	16 to 19	13,212	19	25,756	37	15,603	22	18,373	26
	13 to 15	10,416	15	17,371	25	11,570	17	9,586	14
	01 to 12	12,051	17	859	1	8,390	12	7,079	10
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	34,119	49	18.7	19.3	19.5	19.7	19.4
	Females	35,294	51	19.9	18.9	20.1	19.3	19.7
	Missing	228	0	14.1	16.3	16.0	16.3	15.9
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	54	31	35	29	19
	Females	62	27	37	24	16
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

Total Students in Report: 69,641

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	48,654	66	20.5	34	19.8	41	20.8	31	20.3	21	20.5
	Less than Core	16,003	42	17.0	19	17.7	25	18.0	18	17.9	11	17.8
	Missing ³	4,984	29	14.8	10	16.5	18	16.4	11	16.5	5	16.2
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	61,035	62	20.0	62,713	31	19.4	55,467	40	20.6	58,040	28	19.8
	Less than Core	4,116	24	14.1	2,326	3	15.0	9,441	19	17.1	6,835	22	18.4
	Missing ³	4,490	30	14.9	4,602	11	16.5	4,733	18	16.5	4,766	11	16.5
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

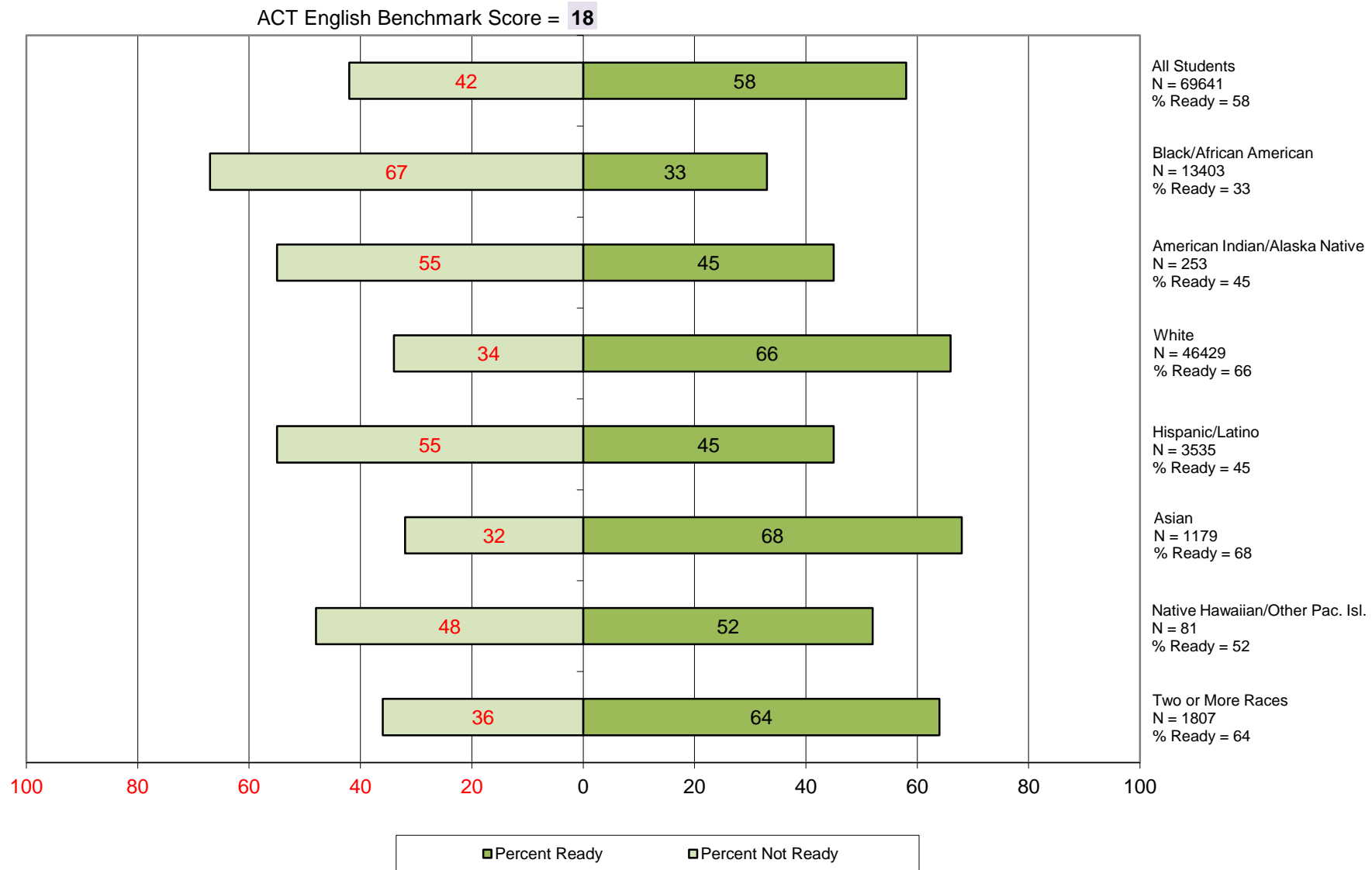


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

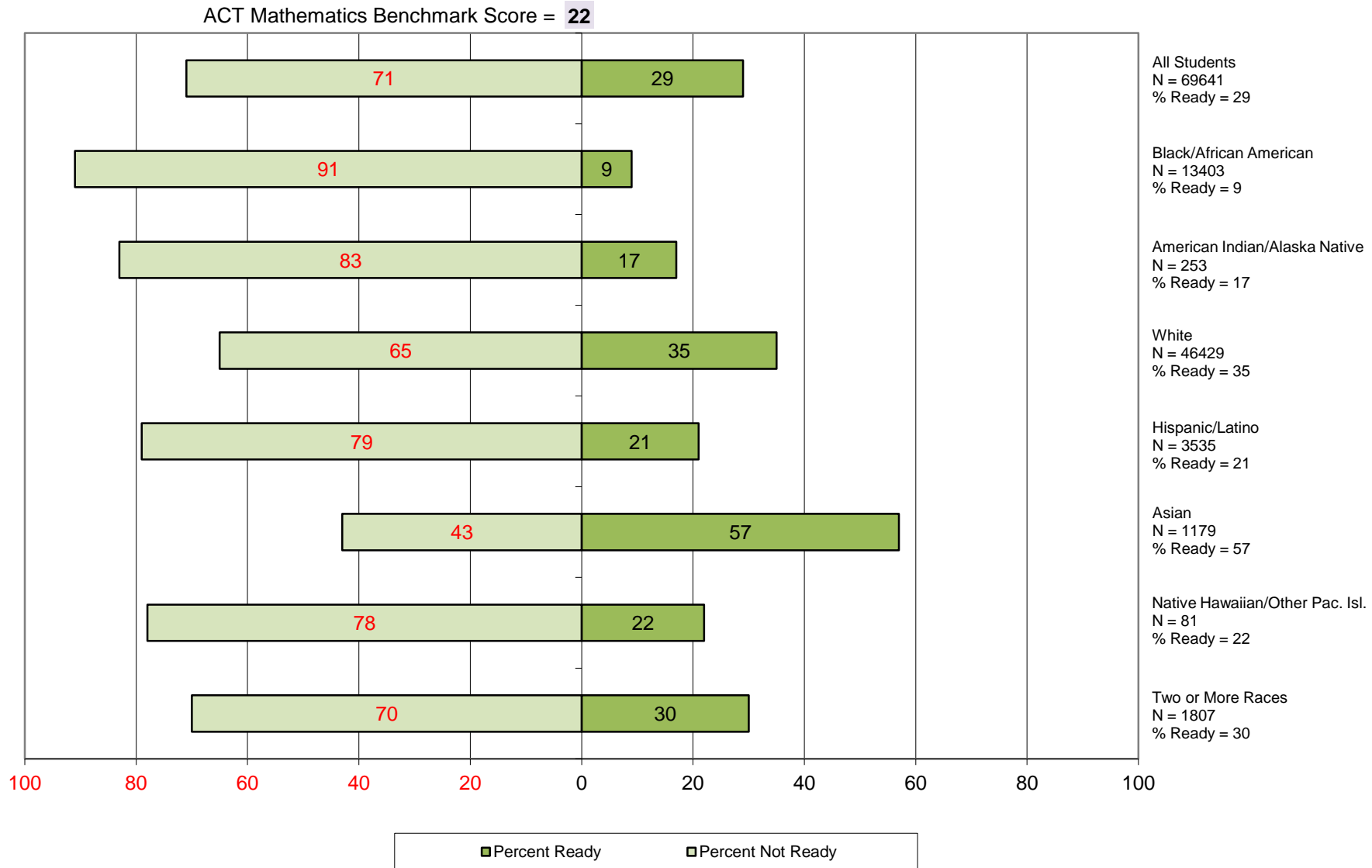


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

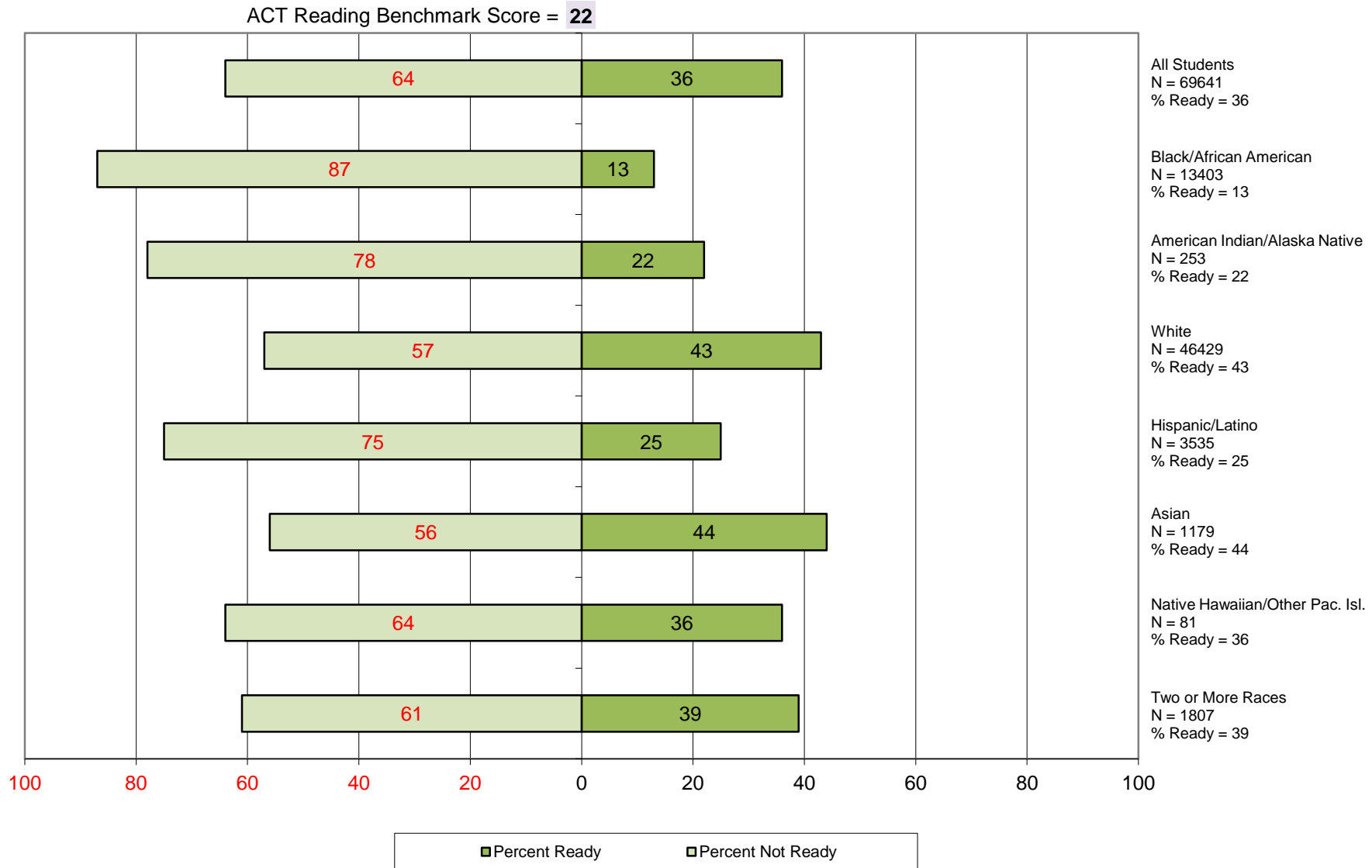


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

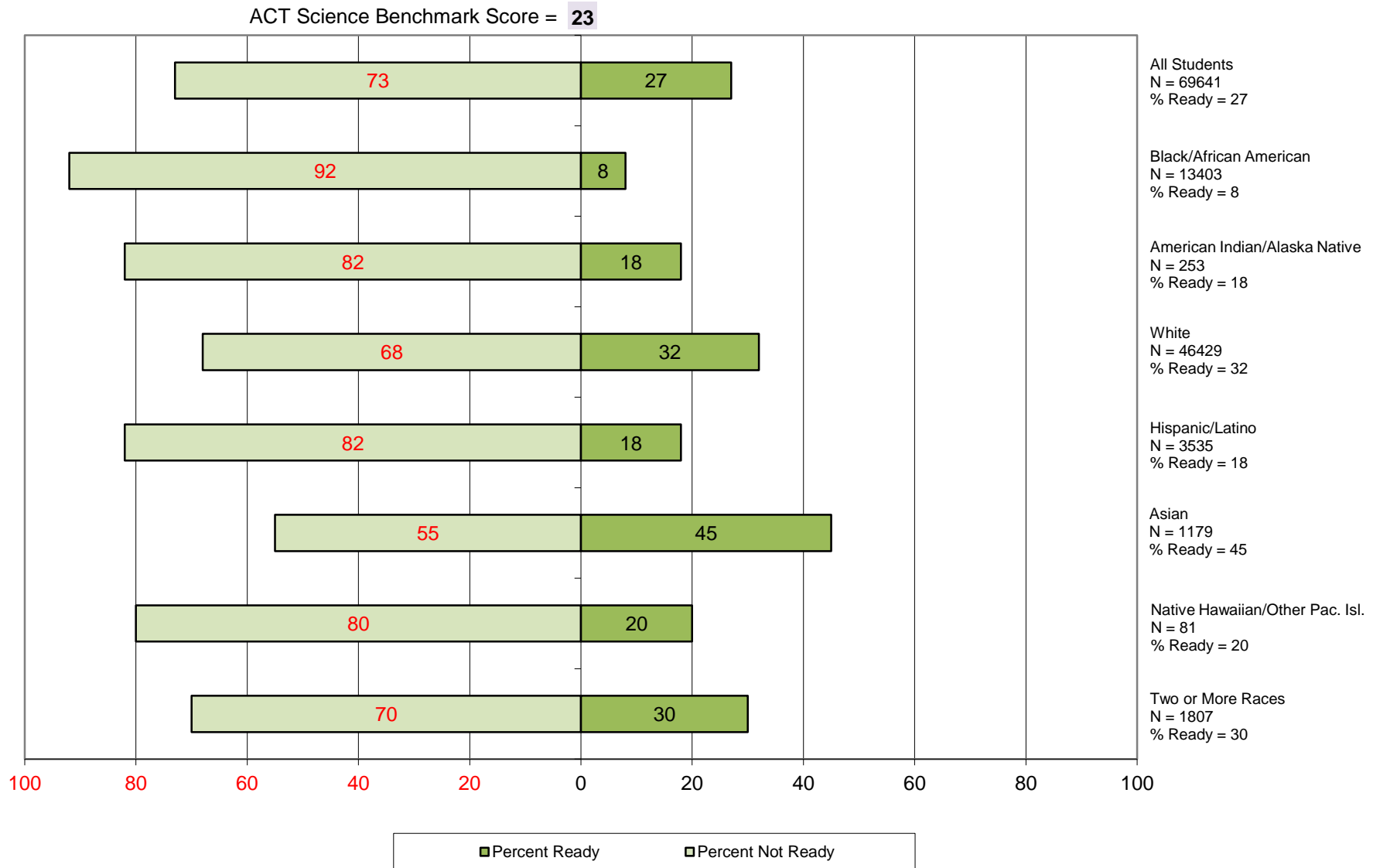
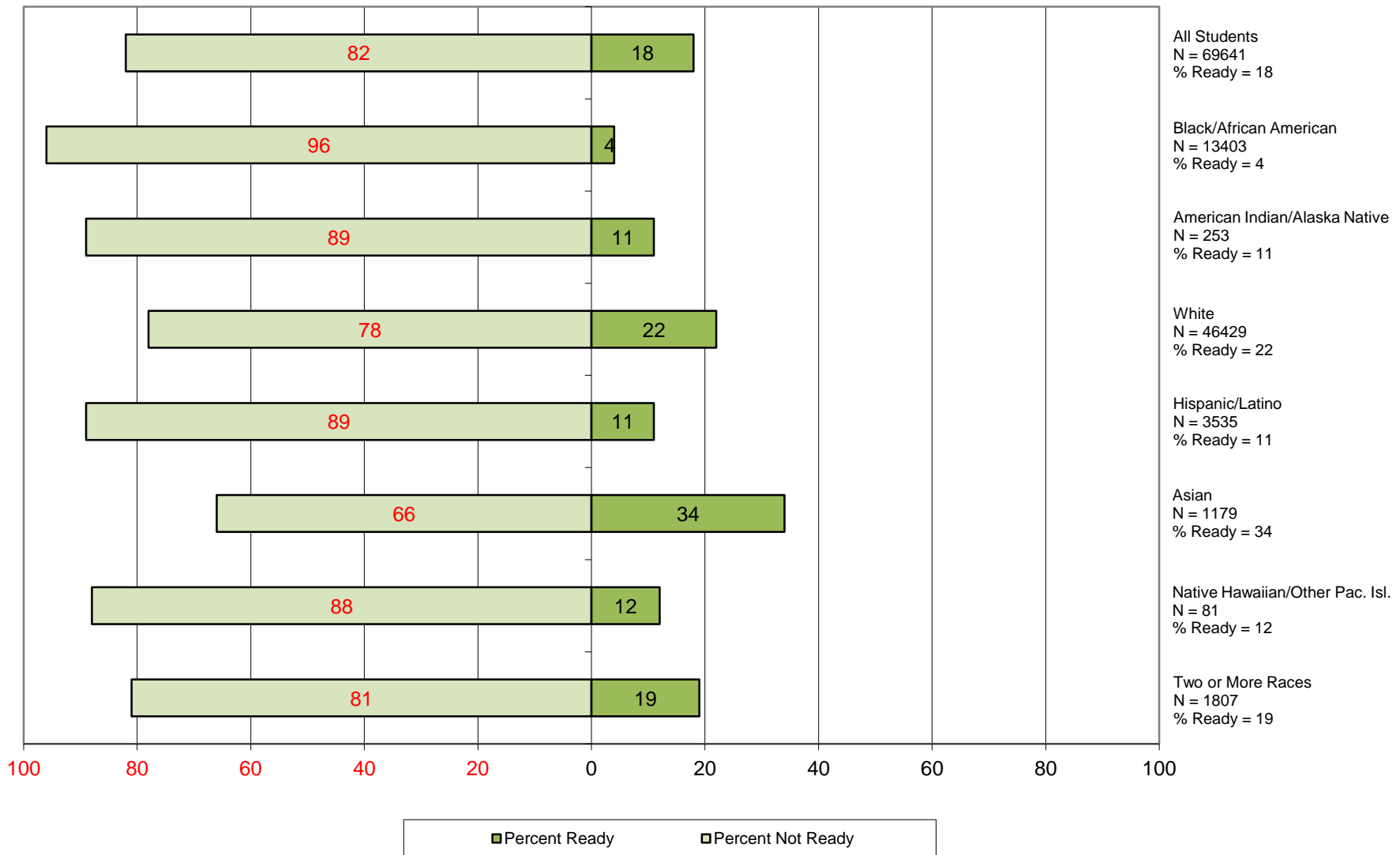


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 69,641

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	9,014	13	22.1	8.0	3,828	11	21.6	8.0	5,177	15	22.5	7.5
Eng 9, Eng 10, Eng 11, Eng 12	52,021	75	19.6	5.5	25,292	74	19.1	5.5	26,632	75	20.1	5.1
Less than 4 years of English	4,116	6	14.1	-	2,386	7	13.6	-	1,685	5	15.0	-
Zero years / no English courses reported	4,490	6	14.9	-	2,613	8	14.6	-	1,800	5	15.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,739	4	20.9	5.9	1,381	4	21.5	6.5	1,353	4	20.3	5.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,296	9	20.8	5.8	2,649	8	21.2	6.2	3,637	10	20.5	5.3
Alg 1, Alg 2, Geom, & Trig	7,051	10	17.9	2.9	3,477	10	18.1	3.1	3,555	10	17.7	2.5
Alg 1, Alg 2, Geom, & Other Adv Math	20,644	30	18.4	3.4	9,100	27	18.5	3.5	11,507	33	18.3	3.1
Other comb of 4 or more years of Math	16,098	23	22.2	7.2	8,183	24	22.8	7.8	7,899	22	21.6	6.4
Alg 1, Alg 2, & Geom	6,938	10	16.1	1.1	3,761	11	16.1	1.1	3,144	9	16.0	0.8
Other comb of 3 or 3.5 years of Math	2,947	4	18.2	3.2	1,493	4	18.6	3.6	1,446	4	17.9	2.7
Less than 3 years of Math	2,326	3	15.0	-	1,392	4	15.0	-	915	3	15.2	-
Zero years / no Math courses reported	4,602	7	16.5	-	2,683	8	16.7	-	1,838	5	16.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	521	1	22.1	5.0	276	1	22.2	5.3	242	1	22.0	4.6
Other comb of 4 or more years Social Science	26,672	38	21.2	4.1	12,271	36	21.1	4.2	14,370	41	21.2	3.8
US Hist, World Hist, & Am Gov	1,538	2	18.0	0.9	878	3	17.7	0.8	653	2	18.6	1.2
Other comb of 3 or 3.5 years of Social Science	26,736	38	20.1	3.0	12,445	36	19.9	3.0	14,239	40	20.2	2.8
Less than 3 years of Social Science	9,441	14	17.1	-	5,474	16	16.9	-	3,913	11	17.4	-
Zero years / no Social Science courses reported	4,733	7	16.5	-	2,775	8	16.4	-	1,877	5	16.6	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	19,325	28	20.6	2.2	10,268	30	21.3	3.6	9,026	26	20.0	1.0
Bio, Chem, Phys	3,824	5	23.4	5.0	2,020	6	24.3	6.6	1,798	5	22.5	3.5
Gen Sci ² , Bio, Chem	33,581	48	19.0	0.6	14,974	44	19.0	1.3	18,529	52	19.0	0.0
Other comb of 3 years of Natural Science	1,310	2	18.6	0.2	729	2	18.9	1.2	577	2	18.3	-0.7
Less than 3 years of Natural Science	6,835	10	18.4	-	3,355	10	17.7	-	3,453	10	19.0	-
Zero years / no Natural Science courses reported	4,766	7	16.5	-	2,773	8	16.6	-	1,911	5	16.4	-

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: 69,641

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	9,014	13	22.1	75	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	52,021	75	19.6	60	1,265,911	70	20.3	65
Less than 4 years of English	4,116	6	14.1	24	84,048	5	15.9	36
Zero years / no English courses reported	4,490	6	14.9	30	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,739	4	20.9	43	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,296	9	20.8	44	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	7,051	10	17.9	18	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	20,644	30	18.4	22	336,291	19	19.6	32
Other comb of 4 or more years of Math	16,098	23	22.2	54	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	6,938	10	16.1	6	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	2,947	4	18.2	23	88,866	5	19.7	34
Less than 3 years of Math	2,326	3	15.0	3	77,906	4	16.3	7
Zero years / no Math courses reported	4,602	7	16.5	11	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	521	1	22.1	51	50,989	3	22.2	51
Other comb of 4 or more years Social Science	26,672	38	21.2	44	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	1,538	2	18.0	25	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	26,736	38	20.1	37	489,586	27	21.0	43
Less than 3 years of Social Science	9,441	14	17.1	19	171,617	10	19.1	32
Zero years / no Social Science courses reported	4,733	7	16.5	18	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	19,325	28	20.6	36	767,293	43	21.9	46
Bio, Chem, Phys	3,824	5	23.4	57	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	33,581	48	19.0	21	504,165	28	19.9	28
Other comb of 3 years of Natural Science	1,310	2	18.6	20	51,822	3	19.1	25
Less than 3 years of Natural Science	6,835	10	18.4	22	218,267	12	18.0	17
Zero years / no Natural Science courses reported	4,766	7	16.5	11	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: 69,641

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	1,498	2	17.9	313	4	15.4	1,094	2	18.7
Architecture	617	1	20.0	64	1	15.5	527	1	20.7
Area, Ethnic, & Multidisciplinary Studies	94	0	21.0	7	0	14.4	79	0	21.9
Arts: Visual & Performing	5,263	8	19.3	690	10	15.9	4,233	8	20.0
Business	4,856	7	19.9	519	7	15.9	4,104	8	20.5
Communications	1,258	2	20.9	63	1	16.7	1,147	2	21.3
Community, Family, & Personal Services	3,190	5	17.0	782	11	15.5	2,105	4	17.9
Computer Science & Mathematics	1,419	2	21.5	141	2	17.0	1,203	2	22.2
Education	3,337	5	19.9	197	3	15.5	3,011	6	20.3
Engineering	4,175	6	22.2	348	5	15.7	3,614	7	22.9
Engineering Technology & Drafting	1,189	2	18.4	322	4	15.7	777	1	19.7
English & Foreign Languages	705	1	23.2	24	0	18.0	653	1	23.3
Health Administration & Assisting	2,026	3	17.6	309	4	15.9	1,609	3	18.0
Health Sciences & Technologies	15,175	22	20.1	1,112	16	16.5	13,498	26	20.5
Philosophy, Religion, & Theology	392	1	21.4	19	0	17.7	349	1	21.7
Repair, Production, & Construction	1,448	2	16.5	768	11	15.8	490	1	18.0
Sciences: Biological & Physical	2,898	4	22.5	84	1	16.6	2,702	5	22.8
Social Sciences & Law	4,622	7	20.7	190	3	16.0	4,249	8	20.9
Undecided	7,253	10	20.7	699	10	16.0	5,606	11	21.6
No Response	7,986	11	15.6	444	6	13.7	628	1	15.2

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: 69,641

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	2,520	15.5	457	14.1	13	14.8	1,779	15.9	122	15.5
2-yr College Degree	4,653	15.9	822	13.9	22	15.5	3,258	16.5	283	15.4
Bachelors Degree	30,017	19.4	5,863	16.3	92	18.1	20,657	20.4	1,407	18.1
Graduate Study	8,001	22.8	1,075	18.1	21	20.9	5,939	23.7	315	21.1
Prof. Level Degree	13,794	22.2	2,740	18.6	50	20.5	8,821	23.2	760	20.5
Other	1,897	16.2	289	14.6	6	13.8	1,324	16.6	131	15.6
No Response	8,759	16.7	2,157	14.2	49	15.0	4,651	17.8	517	15.8

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	2,520	15.5	20	17.2	2	15.0	47	15.9	80	14.8
2-yr College Degree	4,653	15.9	36	16.0	5	13.6	77	16.4	150	15.4
Bachelors Degree	30,017	19.4	410	19.3	37	19.3	787	19.5	764	19.3
Graduate Study	8,001	22.8	168	24.1	3	24.0	228	22.7	252	23.1
Prof. Level Degree	13,794	22.2	420	25.6	22	20.1	446	21.9	535	22.7
Other	1,897	16.2	25	18.7	3	17.3	35	17.0	84	16.8
No Response	8,759	16.7	100	20.6	9	15.7	187	17.7	1,089	17.1

Total Students in Report: 69,641

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
UNIVERSITY OF TENNESSEE-KNOXVILLE	Tennessee	13,637	5,122	8,515	2	8	21	31	25	12	1
MIDDLE TENNESSEE STATE UNIVERSITY	Tennessee	11,314	3,657	7,657	4	17	33	28	13	4	0
UNIVERSITY OF TENNESSEE-CHATTANOOGA	Tennessee	8,147	2,101	6,046	2	10	28	33	20	7	0
UNIVERSITY OF MEMPHIS	Tennessee	6,699	2,291	4,408	7	22	30	23	13	5	0
TENNESSEE TECHNOLOGICAL UNIVERSITY	Tennessee	6,588	2,295	4,293	4	14	27	29	18	8	1
STATE-COLLEGE/NO REPORTS NOW	Iowa	6,116	6,115	1	16	31	28	17	6	2	0
EAST TENNESSEE STATE UNIVERSITY	Tennessee	5,045	1,703	3,342	3	13	30	31	18	6	0
UNIVERSITY OF TENNESSEE-MARTIN	Tennessee	4,244	1,285	2,959	4	15	34	30	13	4	0
AUSTIN PEAY STATE UNIVERSITY	Tennessee	4,236	1,561	2,675	3	17	34	29	13	4	0
VANDERBILT UNIVERSITY	Tennessee	3,979	960	3,019	3	10	19	21	21	20	5
TENNESSEE STATE UNIVERSITY	Tennessee	3,739	891	2,848	11	34	36	15	4	1	0
BELMONT UNIVERSITY	Tennessee	2,455	662	1,793	2	8	19	30	26	14	1
CARSON-NEWMAN COLLEGE	Tennessee	2,156	508	1,648	3	11	30	33	17	6	0
PELLISSIPPI STATE TECHNICAL COMM COLL	Tennessee	1,717	692	1,025	5	19	34	28	12	3	0
WALTERS STATE COMMUNITY COLLEGE	Tennessee	1,691	760	931	6	22	37	25	8	2	0
LIPSCOMB UNIVERSITY	Tennessee	1,627	426	1,201	2	9	23	29	22	13	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	1,561	369	1,192	2	15	34	28	15	5	0
CHATTANOOGA ST COMM COLL	Tennessee	1,521	590	931	7	28	37	21	6	1	0
UNIVERSITY OF ALABAMA	Alabama	1,490	471	1,019	2	6	14	27	27	20	3
STATE-NO COLLEGE PLANS	Iowa	1,481	1,480	1	31	41	21	6	1	0	0
SOUTHWEST TENNESSEE COMMUNITY COLLEGE	Tennessee	1,454	520	934	18	38	29	13	3	1	0
MISSISSIPPI STATE UNIVERSITY	Mississippi	1,434	402	1,032	3	12	20	27	24	13	0
NCAA ELIGIBILITY CENTER	Indiana	1,429	655	774	4	18	31	27	14	6	0
ROANE STATE COMMUNITY COLLEGE	Tennessee	1,392	603	789	5	21	38	27	7	1	0
UNIVERSITY OF MISSISSIPPI	Mississippi	1,339	347	992	3	10	22	33	20	11	1
ITT TECHNICAL INSTITUTE-KNOXVILLE	Tennessee	1,312	365	947	14	33	34	15	4	1	0
VOLUNTEER STATE COMMUNITY COLLEGE	Tennessee	1,298	511	787	4	20	38	28	8	2	0
UNION UNIVERSITY	Tennessee	1,203	378	825	3	8	21	31	23	13	1
COLUMBIA STATE COMMUNITY COLLEGE	Tennessee	1,137	462	675	6	19	36	28	9	2	0
MOTLOW STATE COMMUNITY COLLEGE	Tennessee	1,133	403	730	5	22	40	23	8	1	0
All Other Institutions		64,893	16,991	47,902	6	18	26	22	15	10	2
Total		167,467	55,576	111,891	6	17	28	25	15	8	1

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: 69,641

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	7,582	942,769	25.8	21.3	7.4	7.0	24.2	20.5
Black/African American	1,167	114,751	20.8	16.3	6.9	6.1	20.1	16.0
American Indian/Alaska Native	23	6,031	24.5	16.8	7.6	6.1	23.5	16.4
White	5,078	518,407	27.0	22.9	7.5	7.2	25.1	21.9
Hispanic/Latino	331	151,504	23.7	18.6	7.4	6.8	22.7	18.3
Asian	347	54,580	27.3	23.5	7.9	7.6	25.7	22.7
Native Hawaiian/Other Pac. Isl.	8	2,812	25.1	19.5	6.8	6.9	23.3	19.2
Two or more races	240	35,355	25.4	21.5	7.5	7.0	24.0	20.6
Prefer not/No Response	388	59,329	26.7	21.8	7.5	7.1	25.0	20.9
Males	3,516	423,104	26.1	21.0	7.2	6.7	24.2	20.1
Females	4,066	513,945	25.6	21.6	7.5	7.2	24.2	20.9
Missing	0	5,720	.	16.6	.	6.3	.	16.5

