

ACT Profile Report - State

Graduating Class 2014

Tennessee



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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

19% 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: 69,505 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. 69% 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, 4% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 7% of these students were college ready. In comparison, 35% 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. 25% of these students were college ready. In comparison, 30% 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 62% 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

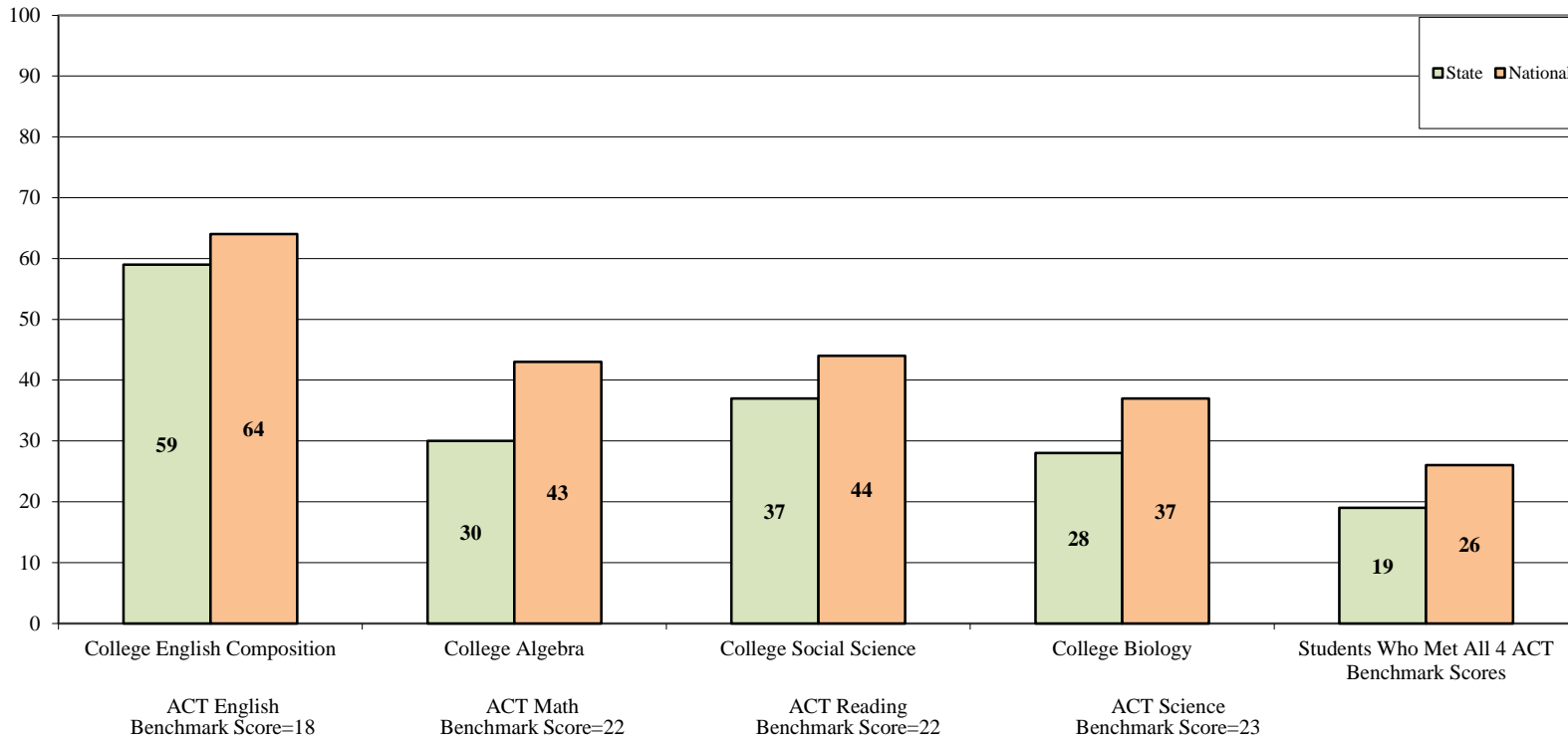
Executive Summary

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: 69,505

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	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
2014	69,505	1,845,787	59	64	30	43	37	44	28	37	19	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	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
2014	69,505	1,845,787	19.6	20.3	19.2	20.9	20.1	21.3	19.6	20.8	19.8	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: 69,505

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	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
2014	48,015	15,817	69	23	20.8	17.5	19.9	18.0	21.1	18.4	20.5	18.2	20.7	18.2

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.

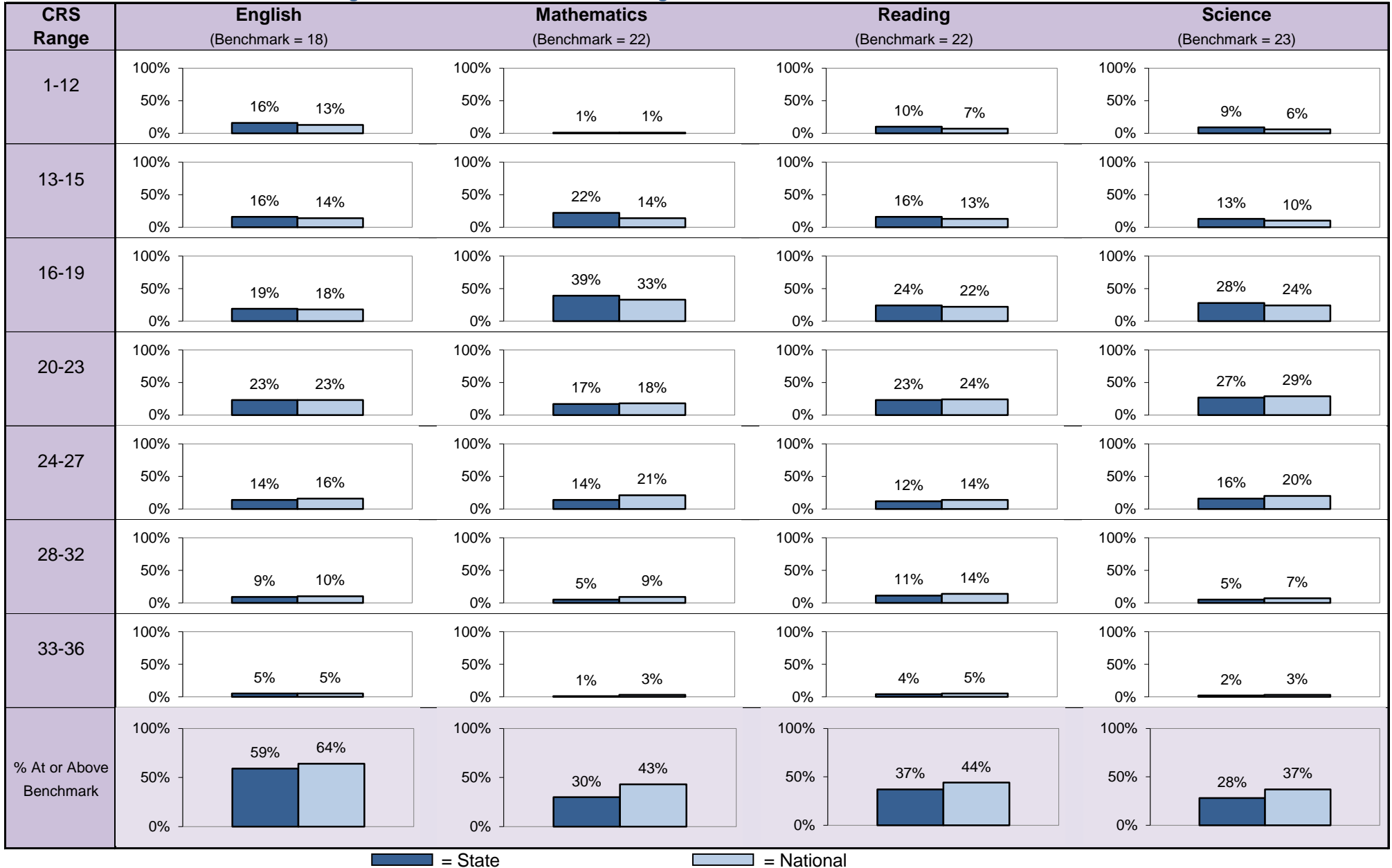
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	66,552	100	19.6	68,524	100	19.5	68,095	100	19.7	69,641	100	19.5	69,505	100	19.8
Black/African American	13,267	20	16.3	14,215	21	16.3	13,748	20	16.4	13,403	19	16.3	13,072	19	16.5
American Indian/Alaska Native	257	0	18.9	275	0	18.6	249	0	18.1	253	0	17.7	256	0	17.7
White	45,980	69	20.6	46,104	67	20.5	45,546	67	20.7	46,429	67	20.5	45,771	66	20.8
Hispanic/Latino	2,044	3	18.0	2,682	4	18.2	3,286	5	18.3	3,535	5	18.1	3,986	6	18.3
Asian	1,128	2	22.5	1,108	2	22.3	1,093	2	22.4	1,179	2	22.2	1,172	2	22.7
Native Hawaiian/Other Pacific Islander	0	0	.	28	0	20.0	84	0	20.1	81	0	18.8	75	0	19.3
Two or more races	1,282	2	19.7	1,345	2	19.8	1,610	2	20.2	1,807	3	20.0	2,046	3	20.1
Prefer not to respond/No response	2,594	4	19.1	2,767	4	19.0	2,479	4	19.0	2,954	4	19.0	3,127	4	18.8

Total Students in Report: 69,505

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



Total Students in Report: 69,505

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	65,786	95	19.9	19.4	20.3	19.8	20.0
	Extended Time	3,719	5	14.3	16.5	16.4	16.2	16.0
	Total	69,505	100	19.6	19.2	20.1	19.6	19.8
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	61	31	38	29	19
	Extended Time	24	12	19	12	8
	Total	59	30	37	28	19
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: 69,505

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	210	100	94	100	303	100	258	100	34	100	36
35	949	100	249	100	393	100	273	100	165	100	35
34	1,013	98	323	100	888	99	425	99	316	100	34
33	985	97	328	99	1,016	98	319	99	497	99	33
32	942	95	348	99	1,445	96	319	98	625	99	32
31	1,032	94	410	98	1,443	94	643	98	873	98	31
30	1,292	93	663	97	1,634	92	701	97	1,154	96	30
29	1,273	91	992	97	1,432	90	504	96	1,373	95	29
28	1,518	89	1,243	95	1,603	88	1,182	95	1,626	93	28
27	1,632	87	1,770	93	1,774	85	1,914	93	1,810	90	27
26	2,085	84	2,235	91	1,865	83	1,601	91	2,207	88	26
25	2,761	81	2,928	88	2,025	80	3,496	88	2,688	85	25
24	3,360	77	2,985	83	2,731	77	3,907	83	3,030	81	24
23	3,157	73	3,364	79	3,817	73	3,905	78	3,483	76	23
22	3,820	68	2,801	74	3,142	68	5,295	72	4,017	71	22
21	4,268	63	2,307	70	5,370	63	4,011	64	4,571	66	21
20	4,509	56	3,110	67	3,394	56	5,896	59	4,394	59	20
19	3,272	50	3,532	62	5,165	51	6,129	50	4,902	53	19
18	3,098	45	4,688	57	3,302	43	3,805	41	4,968	46	18
17	2,895	41	7,295	51	3,677	39	4,199	36	4,895	39	17
16	3,602	37	11,838	40	4,592	33	5,403	30	4,871	31	16
15	4,744	31	9,719	23	3,505	27	3,253	22	4,756	24	15
14	3,339	25	3,865	9	4,639	22	3,108	17	4,682	18	14
13	2,738	20	1,613	3	3,098	15	2,787	13	3,907	11	13
12	2,603	16	567	1	3,723	10	2,205	9	2,529	5	12
11	2,521	12	155	1	2,032	5	1,987	6	903	2	11
10	2,219	8	56	1	840	2	1,039	3	174	1	10
9	1,482	5	13	1	359	1	546	1	36	1	9
8	1,366	3	7	1	91	1	252	1	7	1	8
7	555	1	0	1	111	1	82	1	10	1	7
6	181	1	3	1	58	1	41	1	1	1	6
5	45	1	0	1	8	1	8	1	1	1	5
4	29	1	3	1	24	1	3	1	0	1	4
3	5	1	0	1	1	1	6	1	0	1	3
2	5	1	0	1	3	1	1	1	0	1	2
1	0	1	1	1	2	1	2	1	0	1	1
Avg (SD)	19.6 (6.7)		19.2 (4.8)		20.1 (6.2)		19.6 (5.3)		19.8 (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: 69,505

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	2,587	100	659	100	1,050	100	1,675	100	1,253	100	270	100	288	100	18
17	3,132	96	1,162	99	2,577	98	3,396	98	1,571	98	487	100	186	100	17
16	2,167	92	2,803	97	3,439	95	3,498	93	2,047	96	872	99	1,334	99	16
15	2,609	89	3,874	93	2,490	90	3,512	88	2,473	93	2,265	98	2,157	97	15
14	2,885	85	4,184	88	4,064	86	3,255	83	3,541	89	3,528	94	2,948	94	14
13	4,309	81	4,998	82	5,498	80	3,314	78	4,379	84	4,756	89	3,774	90	13
12	3,661	75	5,975	75	5,665	72	5,976	73	6,392	78	5,858	82	4,859	85	12
11	6,588	69	7,283	66	5,513	64	5,616	65	4,446	69	8,410	74	8,040	78	11
10	6,407	60	6,376	55	6,318	56	5,055	56	5,825	62	9,973	62	7,633	66	10
9	6,275	51	7,299	46	8,959	47	7,005	49	5,365	54	9,519	48	14,377	55	9
8	5,960	42	8,056	36	8,193	34	6,908	39	8,592	46	12,111	34	9,638	34	8
7	5,700	33	4,295	24	6,402	23	4,789	29	11,935	34	3,260	16	6,796	21	7
6	5,287	25	4,782	18	4,560	13	4,871	22	5,630	17	4,439	12	1,518	11	6
5	4,868	17	4,060	11	2,829	7	5,953	15	4,135	9	668	5	3,574	9	5
4	3,377	10	2,532	5	1,228	3	2,830	7	1,273	3	1,914	4	568	3	4
3	2,441	5	924	2	503	1	1,493	3	449	1	499	2	1,325	3	3
2	1,151	2	200	1	130	1	333	1	171	1	463	1	156	1	2
1	101	1	43	1	87	1	26	1	28	1	213	1	334	1	1
Avg (SD)	9.7 (4.1)		10.0 (3.5)		10.3 (3.5)		10.0 (4.0)		9.7 (3.5)		9.8 (2.9)		9.5 (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)	24	23	24	23	23
Q2 (50th Percentile)	20	17	19	19	19
Q1 (25th Percentile)	15	16	15	16	16

Total Students in Report: 69,505

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	69,505	69	20.7	18.2
	Black/African American	13,072	65	17.3	15.5
	American Indian/Alaska Native	256	58	18.9	16.5
	White	45,771	72	21.6	19.2
	Hispanic/Latino	3,986	66	19.3	16.9
	Asian	1,172	78	23.5	20.8
	Native Hawaiian/Other Pac. Isl.	75	63	20.0	18.6
	Two or more races	2,046	70	20.9	18.8
	Prefer not/No Response	3,127	46	21.3	17.0
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	19.6	19.2	20.1	19.6	19.8
	Black/African American	15.7	16.6	16.6	16.6	16.5
	American Indian/Alaska Native	17.0	17.5	18.2	17.8	17.7
	White	20.9	20.0	21.2	20.6	20.8
	Hispanic/Latino	17.6	18.2	18.6	18.4	18.3
	Asian	22.5	23.2	22.1	22.5	22.7
	Native Hawaiian/Other Pac. Isl.	19.5	18.6	19.4	19.2	19.3
	Two or more races	20.1	19.4	20.7	19.9	20.1
	Prefer not/No Response	18.3	18.6	19.1	18.6	18.8
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: 69,505

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	3,157	5	994	1	2,600	4	1,275	2
	28 to 32	6,057	9	3,656	5	7,557	11	3,349	5
	24 to 27	9,838	14	9,918	14	8,395	12	10,918	16
	20 to 23	15,754	23	11,582	17	15,723	23	19,107	27
	16 to 19	12,867	19	27,353	39	16,736	24	19,536	28
	13 to 15	10,821	16	15,197	22	11,242	16	9,148	13
	01 to 12	11,011	16	805	1	7,252	10	6,172	9
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	34,061	49	18.9	19.5	19.7	19.8	19.6
	Females	35,090	50	20.3	19.0	20.6	19.5	20.0
	Missing	354	1	13.6	16.0	15.1	15.2	15.1
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	55	32	35	30	20
	Females	64	28	39	26	18
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 69,505

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	48,015	67	20.8	35	19.9	42	21.1	33	20.5	22	20.7
	Less than Core	15,817	46	17.5	21	18.0	27	18.4	20	18.2	12	18.2
	Missing ³	5,673	30	15.1	11	16.7	17	16.6	11	16.5	6	16.3
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	60,192	64	20.3	61,882	32	19.6	54,910	41	20.9	57,249	30	20.0
	Less than Core	4,145	29	14.8	2,366	4	15.5	9,206	21	17.5	6,784	25	18.7
	Missing ³	5,168	31	15.2	5,257	12	16.7	5,389	17	16.6	5,472	11	16.5
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

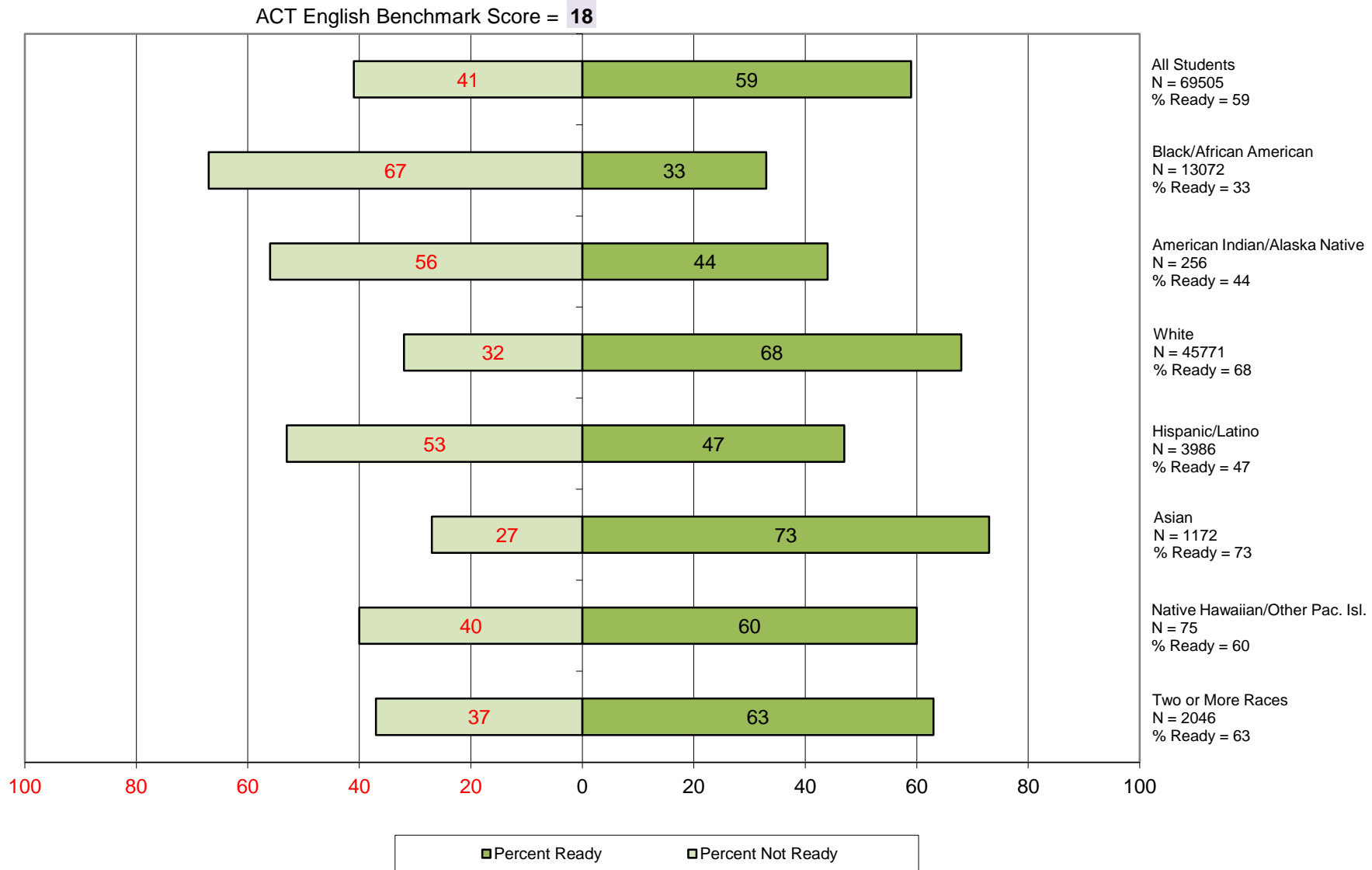


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

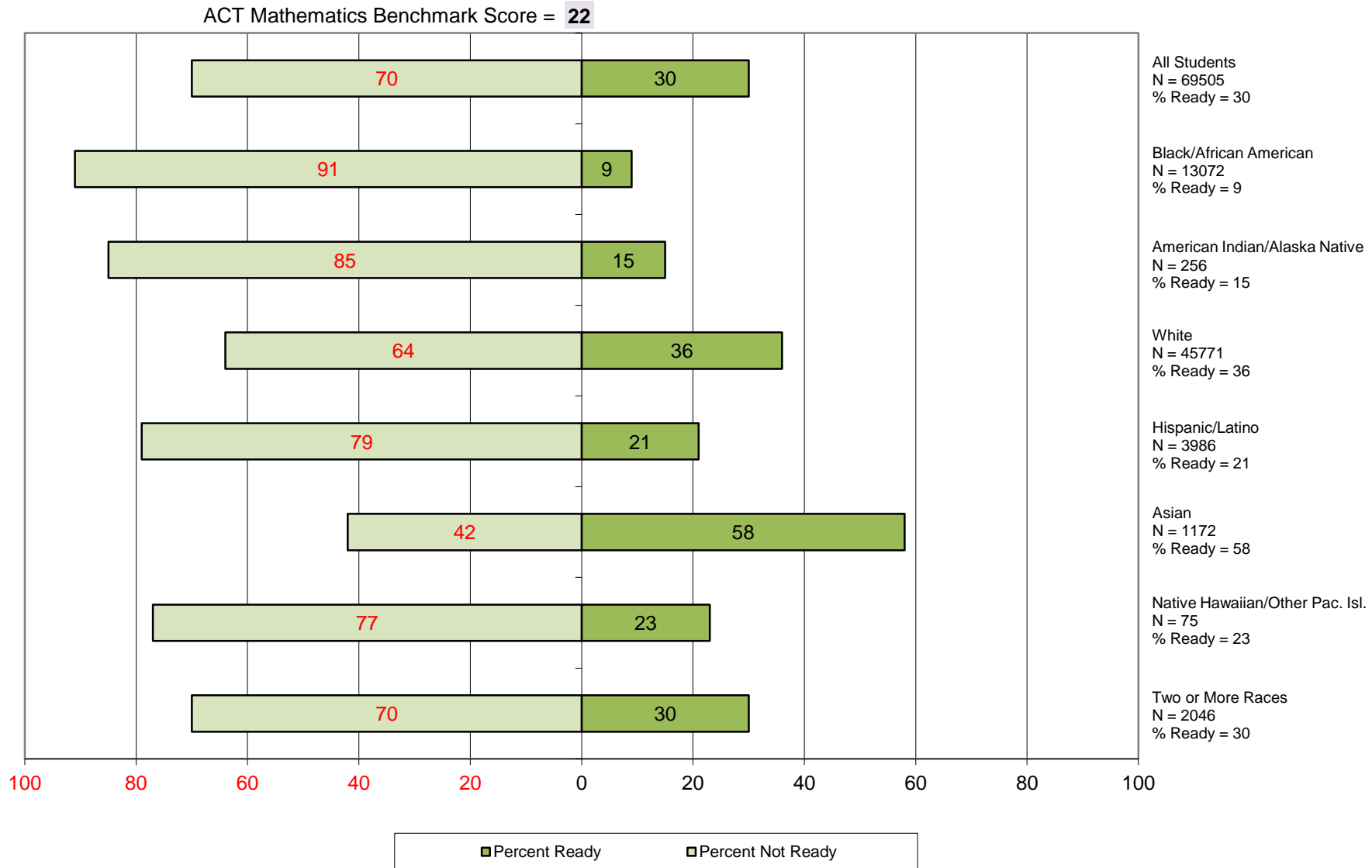


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

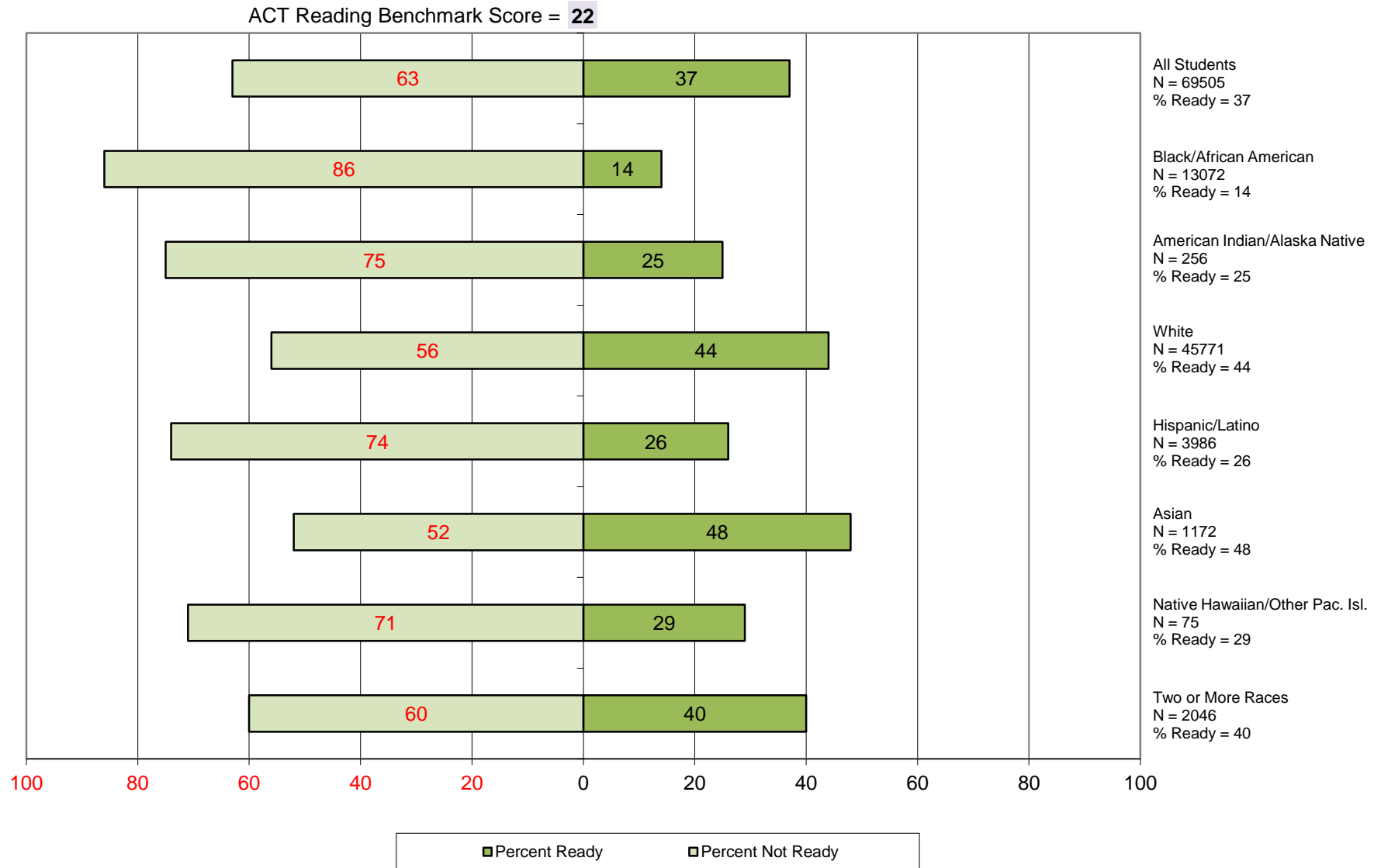


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

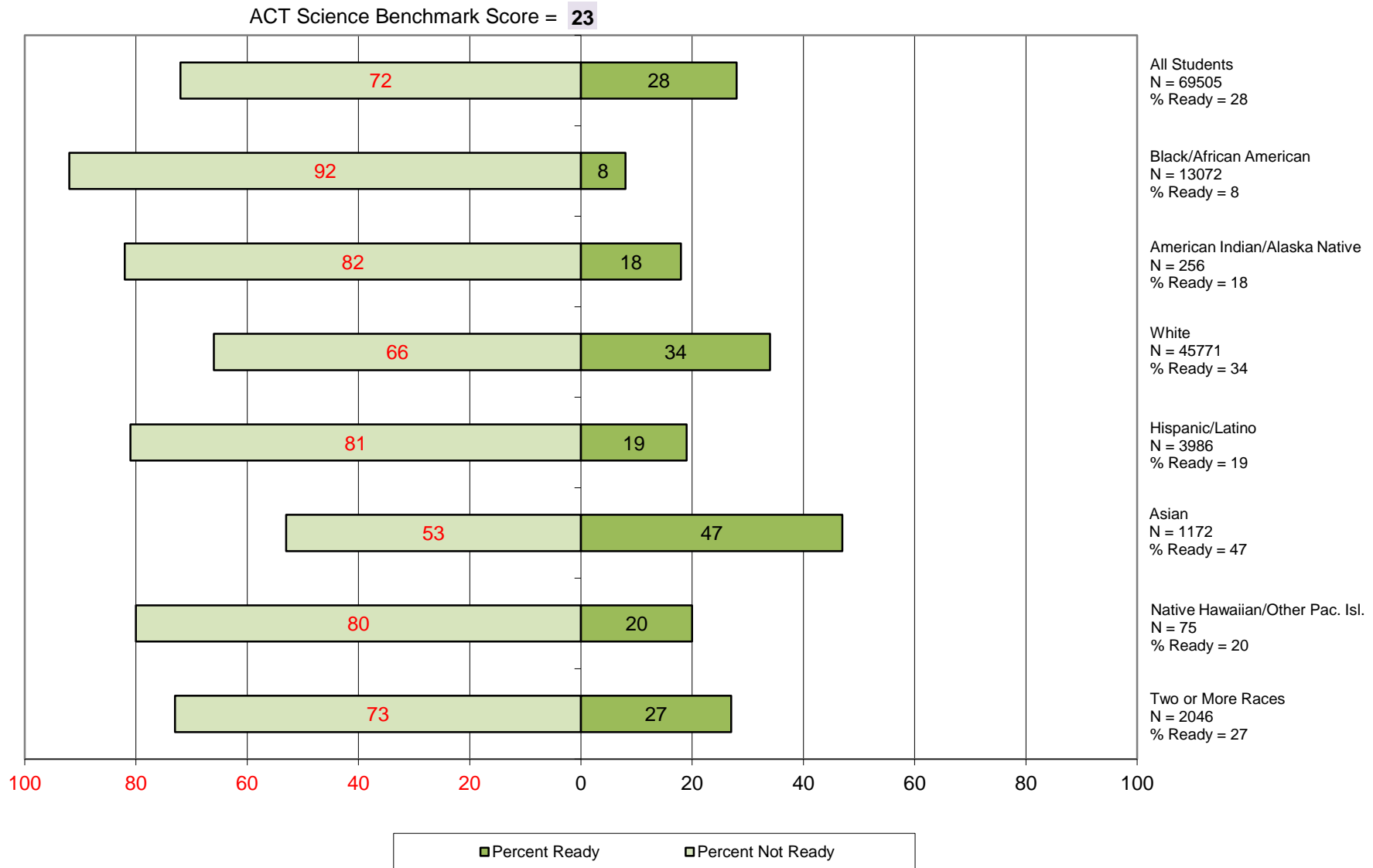
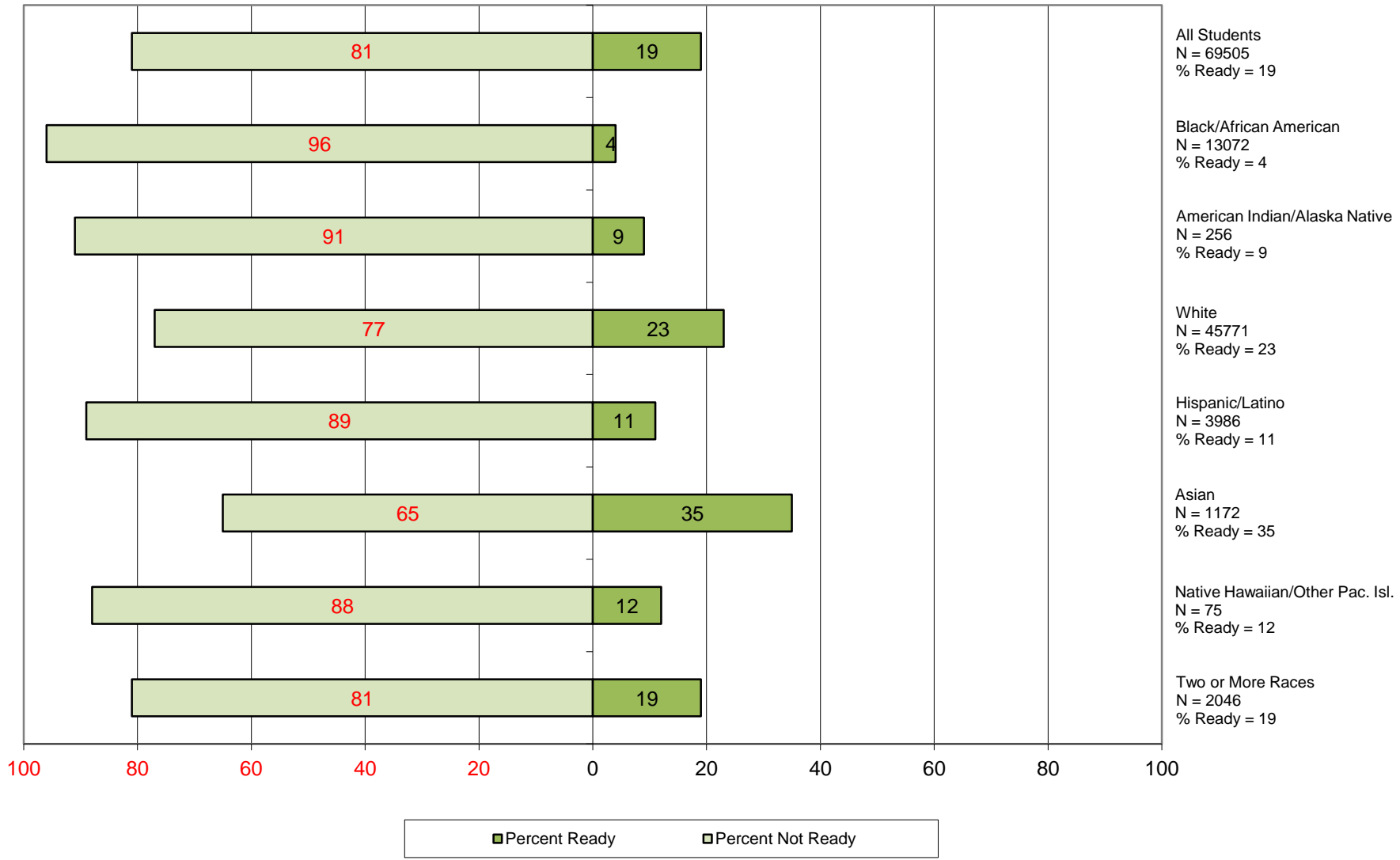


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 69,505

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	8,904	13	22.1	7.3	3,803	11	21.6	7.2	5,093	15	22.6	6.9
Eng 9, Eng 10, Eng 11, Eng 12	51,288	74	20.0	5.2	24,916	73	19.5	5.1	26,219	75	20.5	4.8
Less than 4 years of English	4,145	6	14.8	-	2,353	7	14.4	-	1,704	5	15.7	-
Zero years / no English courses reported	5,168	7	15.2	-	2,989	9	14.8	-	2,074	6	15.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,576	4	21.3	5.8	1,276	4	22.0	6.5	1,294	4	20.7	5.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,627	8	20.9	5.4	2,380	7	21.4	5.9	3,237	9	20.6	5.0
Alg 1, Alg 2, Geom, & Trig	6,466	9	18.2	2.7	3,106	9	18.5	3.0	3,333	9	18.0	2.4
Alg 1, Alg 2, Geom, & Other Adv Math	21,397	31	18.5	3.0	9,445	28	18.7	3.2	11,892	34	18.4	2.8
Other comb of 4 or more years of Math	16,137	23	22.3	6.8	8,274	24	22.9	7.4	7,837	22	21.7	6.1
Alg 1, Alg 2, & Geom	6,606	10	16.4	0.9	3,630	11	16.5	1.0	2,907	8	16.3	0.7
Other comb of 3 or 3.5 years of Math	3,073	4	18.6	3.1	1,542	5	19.0	3.5	1,523	4	18.3	2.7
Less than 3 years of Math	2,366	3	15.5	-	1,356	4	15.5	-	968	3	15.6	-
Zero years / no Math courses reported	5,257	8	16.7	-	3,052	9	16.9	-	2,099	6	16.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	519	1	22.0	4.5	284	1	21.1	4.0	231	1	23.2	5.1
Other comb of 4 or more years Social Science	26,389	38	21.5	4.0	12,141	36	21.3	4.2	14,204	40	21.7	3.6
US Hist, World Hist, & Am Gov	1,581	2	18.2	0.7	911	3	17.7	0.6	663	2	18.9	0.8
Other comb of 3 or 3.5 years of Social Science	26,421	38	20.4	2.9	12,299	36	20.1	3.0	14,053	40	20.7	2.6
Less than 3 years of Social Science	9,206	13	17.5	-	5,301	16	17.1	-	3,789	11	18.1	-
Zero years / no Social Science courses reported	5,389	8	16.6	-	3,125	9	16.3	-	2,150	6	17.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	19,215	28	20.9	2.2	10,035	29	21.5	3.4	9,131	26	20.4	1.1
Bio, Chem, Phys	4,060	6	23.5	4.8	2,117	6	24.1	6.0	1,940	6	22.8	3.5
Gen Sci ² , Bio, Chem	32,757	47	19.1	0.4	14,739	43	19.1	1.0	17,887	51	19.1	-0.2
Other comb of 3 years of Natural Science	1,217	2	19.1	0.4	734	2	19.4	1.3	480	1	18.7	-0.6
Less than 3 years of Natural Science	6,784	10	18.7	-	3,280	10	18.1	-	3,449	10	19.3	-
Zero years / no Natural Science courses reported	5,472	8	16.5	-	3,156	9	16.6	-	2,203	6	16.6	-

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: 69,505

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	8,904	13	22.1	74	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	51,288	74	20.0	62	1,305,220	71	20.5	65
Less than 4 years of English	4,145	6	14.8	29	88,420	5	15.9	36
Zero years / no English courses reported	5,168	7	15.2	31	81,272	4	16.3	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,576	4	21.3	47	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,627	8	20.9	45	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	6,466	9	18.2	21	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	21,397	31	18.5	23	356,555	19	19.4	31
Other comb of 4 or more years of Math	16,137	23	22.3	54	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	6,606	10	16.4	7	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	3,073	4	18.6	24	90,105	5	19.8	35
Less than 3 years of Math	2,366	3	15.5	4	74,627	4	16.4	8
Zero years / no Math courses reported	5,257	8	16.7	12	84,966	5	17.8	19
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	519	1	22.0	49	48,992	3	22.3	50
Other comb of 4 or more years Social Science	26,389	38	21.5	46	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	1,581	2	18.2	24	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	26,421	38	20.4	38	504,877	27	21.3	43
Less than 3 years of Social Science	9,206	13	17.5	21	180,385	10	19.4	32
Zero years / no Social Science courses reported	5,389	8	16.6	17	85,294	5	17.8	24
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	19,215	28	20.9	38	781,043	42	22.1	46
Bio, Chem, Phys	4,060	6	23.5	57	199,419	11	23.1	54
Gen Sci ¹ , Bio, Chem	32,757	47	19.1	22	505,460	27	20.0	28
Other comb of 3 years of Natural Science	1,217	2	19.1	24	52,236	3	19.2	24
Less than 3 years of Natural Science	6,784	10	18.7	25	220,701	12	18.1	17
Zero years / no Natural Science courses reported	5,472	8	16.5	11	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: 69,505

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	1,496	2	18.4	269	4	15.7	1,132	2	19.2
Architecture	626	1	20.2	57	1	15.9	539	1	20.6
Area, Ethnic, & Multidisciplinary Studies	89	0	20.2	16	0	16.1	65	0	21.5
Arts: Visual & Performing	4,871	7	19.6	645	9	16.1	3,850	8	20.4
Business	4,874	7	20.3	523	7	16.3	4,158	8	20.8
Communications	1,171	2	21.1	57	1	16.1	1,055	2	21.4
Community, Family, & Personal Services	3,035	4	17.4	788	11	15.8	1,974	4	18.2
Computer Science & Mathematics	1,549	2	21.5	168	2	17.1	1,301	3	22.1
Education	3,128	5	20.1	154	2	15.8	2,863	6	20.4
Engineering	4,461	6	22.2	465	6	15.8	3,755	7	23.2
Engineering Technology & Drafting	1,196	2	18.3	319	4	15.8	801	2	19.4
English & Foreign Languages	705	1	23.8	35	0	18.9	632	1	24.1
Health Administration & Assisting	2,043	3	17.7	295	4	15.9	1,641	3	18.1
Health Sciences & Technologies	14,760	21	20.3	1,070	15	16.7	13,229	26	20.7
Philosophy, Religion, & Theology	410	1	20.9	17	0	17.9	372	1	21.1
Repair, Production, & Construction	1,572	2	16.6	885	12	16.1	495	1	17.9
Sciences: Biological & Physical	2,774	4	23.0	65	1	16.6	2,631	5	23.2
Social Sciences & Law	4,616	7	20.9	201	3	16.4	4,189	8	21.3
Undecided	7,275	10	21.1	692	9	16.4	5,649	11	21.9
No Response	8,578	12	16.0	550	7	14.4	672	1	15.9

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: 69,505

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	2,792	15.7	480	14.0	20	15.4	1,942	16.2	154	15.2
2-yr College Degree	4,577	16.2	864	14.3	24	15.4	3,083	16.8	337	15.6
Bachelors Degree	29,821	19.6	5,801	16.4	102	17.9	20,251	20.6	1,580	18.3
Graduate Study	8,035	23.2	1,067	18.6	15	20.2	5,914	24.1	377	20.8
Prof. Level Degree	13,299	22.5	2,541	18.9	44	21.3	8,495	23.5	824	20.9
Other	1,883	16.4	295	14.9	5	18.0	1,266	16.7	129	15.5
No Response	9,098	17.0	2,024	14.4	46	15.3	4,820	18.1	585	16.1

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	2,792	15.7	32	15.6	6	16.7	42	17.2	116	15.3
2-yr College Degree	4,577	16.2	35	15.9	2	14.5	102	17.0	130	15.7
Bachelors Degree	29,821	19.6	382	20.6	38	19.4	878	19.4	789	19.3
Graduate Study	8,035	23.2	152	24.0	3	23.3	246	22.5	261	23.3
Prof. Level Degree	13,299	22.5	445	25.7	13	22.5	484	22.5	453	23.1
Other	1,883	16.4	22	21.9	3	17.3	56	17.5	107	16.7
No Response	9,098	17.0	104	20.6	10	16.6	238	18.1	1,271	16.8

Total Students in Report: 69,505

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	13,193	4,913	8,280	1	7	20	31	25	14	2
MIDDLE TENNESSEE STATE UNIVERSITY	Tennessee	11,690	3,794	7,896	3	16	33	29	14	5	0
UNIVERSITY OF TENNESSEE-CHATTANOOGA	Tennessee	7,708	1,972	5,736	1	9	26	34	21	8	1
TENNESSEE TECHNOLOGICAL UNIVERSITY	Tennessee	6,691	2,237	4,454	2	13	29	29	17	9	1
UNIVERSITY OF MEMPHIS	Tennessee	6,357	2,209	4,148	4	21	31	25	13	6	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	6,184	6,183	1	12	32	30	16	6	2	1
EAST TENNESSEE STATE UNIVERSITY	Tennessee	5,024	1,749	3,275	2	12	28	32	18	7	0
AUSTIN PEAY STATE UNIVERSITY	Tennessee	4,091	1,535	2,556	2	16	35	29	14	4	0
UNIVERSITY OF TENNESSEE-MARTIN	Tennessee	3,959	1,228	2,731	2	15	31	31	16	6	0
VANDERBILT UNIVERSITY	Tennessee	3,843	886	2,957	2	11	20	22	20	20	5
TENNESSEE STATE UNIVERSITY	Tennessee	3,507	841	2,666	8	34	39	15	4	1	0
BELMONT UNIVERSITY	Tennessee	2,493	653	1,840	1	8	22	28	25	15	1
CARSON-NEWMAN COLLEGE	Tennessee	2,246	489	1,757	2	11	31	31	18	7	0
STATE-NO COLLEGE PLANS	Iowa	1,655	1,655	0	22	44	25	6	2	1	0
LIPSCOMB UNIVERSITY	Tennessee	1,651	441	1,210	2	10	23	28	22	14	1
CHATTANOOGA ST COMM COLL	Tennessee	1,599	654	945	6	27	39	22	6	1	0
PELLISSIPPI STATE TECHNICAL COMM COLL	Tennessee	1,598	675	923	4	19	34	29	11	3	0
WALTERS STATE COMMUNITY COLLEGE	Tennessee	1,516	644	872	4	22	38	26	9	2	0
SOUTHWEST TENNESSEE COMMUNITY COLLEGE	Tennessee	1,463	513	950	13	38	32	13	4	1	0
WESTERN KENTUCKY UNIVERSITY	Kentucky	1,462	376	1,086	1	14	32	31	16	6	0
UNIVERSITY OF ALABAMA	Alabama	1,434	469	965	1	6	14	23	26	25	6
ROANE STATE COMMUNITY COLLEGE	Tennessee	1,391	580	811	4	21	39	27	7	1	0
UNIVERSITY OF MISSISSIPPI	Mississippi	1,370	390	980	2	9	18	29	25	17	1
ITT TECHNICAL INSTITUTE-KNOXVILLE	Tennessee	1,363	385	978	9	36	33	18	4	1	0
VOLUNTEER STATE COMMUNITY COLLEGE	Tennessee	1,359	556	803	3	21	40	26	8	2	0
NCAA ELIGIBILITY CENTER	Indiana	1,349	662	687	4	18	28	26	16	8	1
MISSISSIPPI STATE UNIVERSITY	Mississippi	1,275	368	907	2	9	20	26	25	17	1
MOTLOW STATE COMMUNITY COLLEGE	Tennessee	1,226	401	825	4	24	38	24	8	1	0
LEE UNIVERSITY	Tennessee	1,169	419	750	2	9	24	31	24	10	1
JACKSON STATE COMM COLLEGE	Tennessee	1,150	439	711	7	27	39	20	6	1	0
All Other Institutions		64,574	17,144	47,430	4	18	27	22	15	11	2
Total		165,590	55,460	110,130	4	17	28	25	16	9	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: 69,505

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	7,032	976,031	26.4	21.3	7.5	7.1	24.7	20.6
Black/African American	963	114,263	21.0	16.4	7.0	6.3	20.3	16.3
American Indian/Alaska Native	20	6,408	24.0	16.8	7.5	6.2	22.9	16.5
White	4,741	520,054	27.4	23.1	7.6	7.3	25.5	22.1
Hispanic/Latino	365	167,575	23.7	18.5	7.2	6.9	22.5	18.4
Asian	335	61,663	28.8	23.7	8.1	7.7	27.0	22.9
Native Hawaiian/Other Pac. Isl.	9	3,742	24.0	17.7	7.4	6.6	23.0	17.6
Two or more races	216	39,565	25.8	21.4	7.4	7.1	24.2	20.7
Prefer not/No Response	383	62,761	27.8	21.6	7.6	7.1	25.8	20.9
Males	3,139	438,500	26.4	21.1	7.3	6.9	24.5	20.2
Females	3,893	530,240	26.4	21.6	7.6	7.3	24.8	21.1
Missing	0	7,291	.	16.0	.	5.9	.	15.7

