



# Profile Report - State

Graduating Class 2015

Tennessee





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This report provides information about the performance of your 2015 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 2015. 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](http://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](http://www.act.org)

## How to Improve Scores and Increase College Readiness

20% 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:** 68,737 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. 9% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 8% 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 9% of the cohort took less than three years of natural science courses. 28% of these students were college ready. In comparison, 31% 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](http://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](mailto:customerservices@act.org).

# Section I

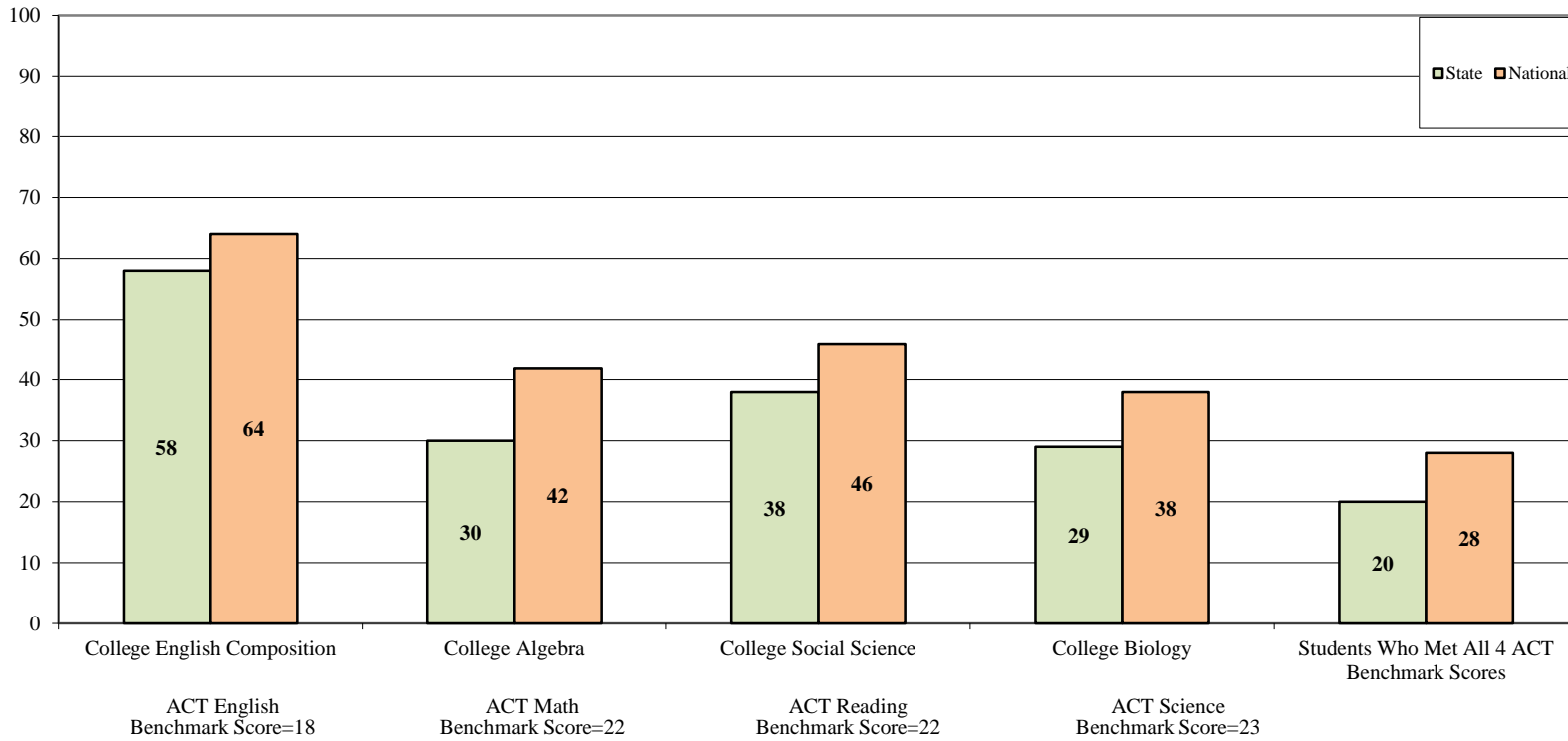
## Executive Summary

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: 68,737

**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
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
<b>2015</b>	<b>68,737</b>	<b>1,924,436</b>	<b>58</b>	<b>64</b>	<b>30</b>	<b>42</b>	<b>38</b>	<b>46</b>	<b>29</b>	<b>38</b>	<b>20</b>	<b>28</b>

**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
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
<b>2015</b>	<b>68,737</b>	<b>1,924,436</b>	<b>19.5</b>	<b>20.4</b>	<b>19.3</b>	<b>20.8</b>	<b>20.1</b>	<b>21.4</b>	<b>19.9</b>	<b>20.9</b>	<b>19.8</b>	<b>21.0</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
<b>2015</b>	<b>1,924,436</b>	<b>20.4</b>	<b>20.8</b>	<b>21.4</b>	<b>20.9</b>	<b>21.0</b>

Total Students in Report: 68,737

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	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
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
<b>2015</b>	<b>47,160</b>	<b>15,173</b>	<b>69</b>	<b>22</b>	<b>20.7</b>	<b>17.7</b>	<b>19.9</b>	<b>18.2</b>	<b>21.0</b>	<b>18.6</b>	<b>20.7</b>	<b>18.7</b>	<b>20.7</b>	<b>18.4</b>

<sup>1</sup>"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.

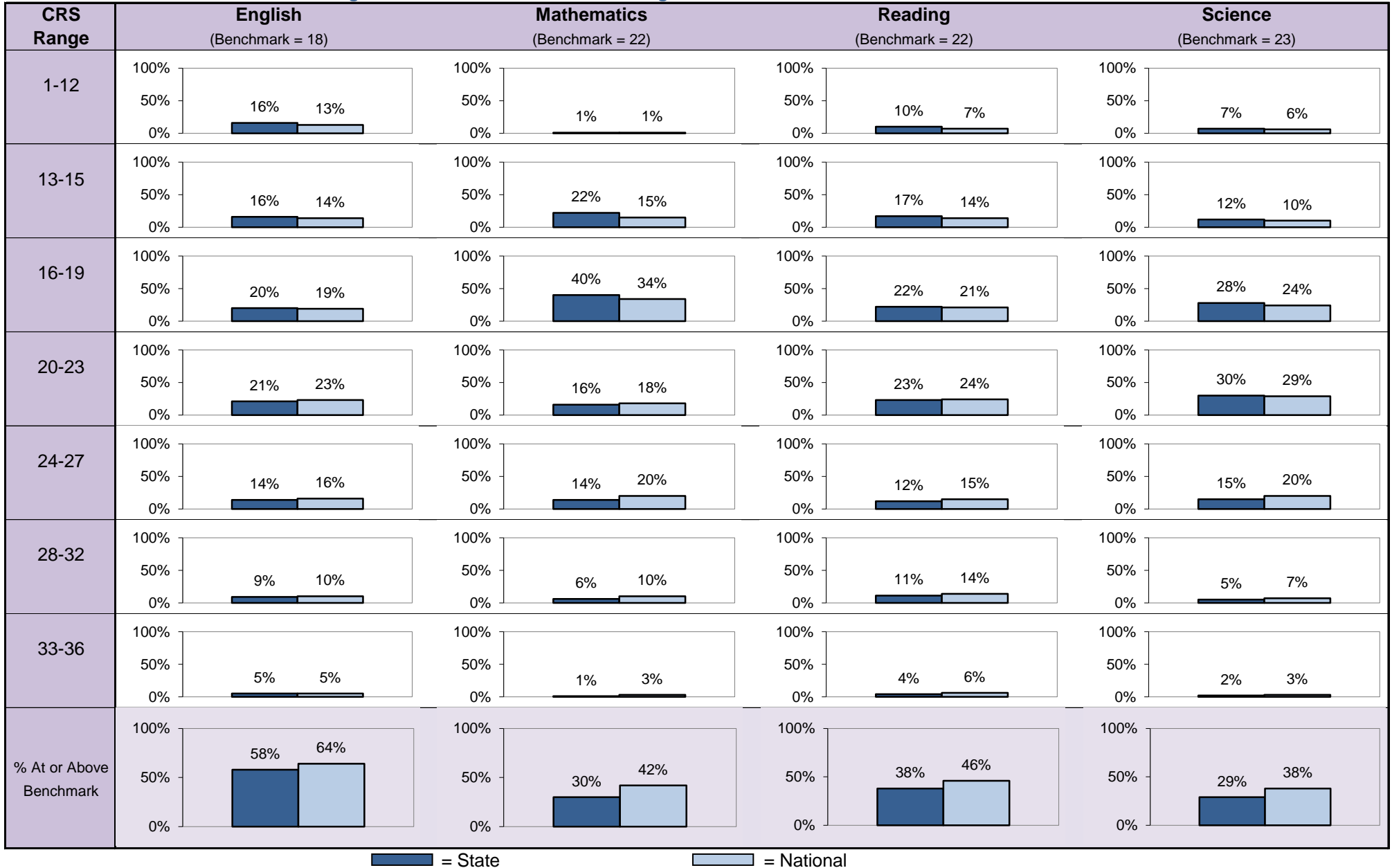
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>68,524</b>	<b>100</b>	<b>19.5</b>	<b>68,095</b>	<b>100</b>	<b>19.7</b>	<b>69,641</b>	<b>100</b>	<b>19.5</b>	<b>69,505</b>	<b>100</b>	<b>19.8</b>	<b>68,737</b>	<b>100</b>	<b>19.8</b>
Black/African American	14,215	21	16.3	13,748	20	16.4	13,403	19	16.3	13,072	19	16.5	12,350	18	16.6
American Indian/Alaska Native	275	0	18.6	249	0	18.1	253	0	17.7	256	0	17.7	221	0	18.0
White	46,104	67	20.5	45,546	67	20.7	46,429	67	20.5	45,771	66	20.8	43,278	63	20.9
Hispanic/Latino	2,682	4	18.2	3,286	5	18.3	3,535	5	18.1	3,986	6	18.3	4,018	6	18.5
Asian	1,108	2	22.3	1,093	2	22.4	1,179	2	22.2	1,172	2	22.7	1,165	2	23.1
Native Hawaiian/Other Pacific Islander	28	0	20.0	84	0	20.1	81	0	18.8	75	0	19.3	69	0	17.9
Two or more races	1,345	2	19.8	1,610	2	20.2	1,807	3	20.0	2,046	3	20.1	2,110	3	20.2
Prefer not to respond/No response	2,767	4	19.0	2,479	4	19.0	2,954	4	19.0	3,127	4	18.8	5,526	8	18.7

Total Students in Report: 68,737

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



Total Students in Report: 68,737

**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	65,008	95	19.8	19.4	20.3	20.1	20.0
	Extended Time	3,729	5	14.9	16.7	17.0	16.9	16.5
	Total	68,737	100	19.5	19.3	20.1	19.9	19.8
National	Standard Time	1,838,433	96	20.6	21.0	21.5	21.1	21.2
	Extended Time	86,003	4	16.5	18.1	18.8	18.3	18.1
	Total	1,924,436	100	20.4	20.8	21.4	20.9	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	60	30	39	30	20
	Extended Time	29	13	22	15	10
	Total	58	30	38	29	20
National	Standard Time	65	43	47	39	28
	Extended Time	38	22	32	23	16
	Total	64	42	46	38	28

# 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: 68,737

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	196	100	139	100	411	100	245	100	56	100	36
35	864	100	187	100	426	99	348	100	179	100	35
34	1,152	98	311	100	933	99	445	99	347	100	34
33	980	97	281	99	1,206	97	404	98	502	99	33
32	1,130	95	406	99	1,329	96	577	98	734	98	32
31	1,264	94	428	98	1,431	94	439	97	888	97	31
30	1,057	92	587	97	1,592	92	591	96	1,166	96	30
29	1,288	90	829	97	1,385	89	820	96	1,341	94	29
28	1,396	88	1,555	95	1,575	87	1,129	94	1,634	92	28
27	1,609	86	1,875	93	1,734	85	1,295	93	1,945	90	27
26	2,129	84	2,576	90	1,877	83	2,497	91	2,227	87	26
25	2,914	81	2,302	87	1,914	80	3,389	87	2,604	84	25
24	2,686	77	3,141	83	2,925	77	3,372	82	2,905	80	24
23	3,230	73	3,047	79	3,662	73	4,671	77	3,282	76	23
22	3,347	68	2,654	74	4,056	67	4,682	71	3,897	71	22
21	3,893	63	2,487	70	3,409	62	5,155	64	4,575	66	21
20	4,076	58	2,807	67	4,754	57	5,822	56	4,362	59	20
19	3,403	52	4,236	63	3,695	50	5,093	48	4,745	53	19
18	3,306	47	5,174	57	3,936	44	5,305	40	5,076	46	18
17	3,053	42	7,721	49	3,869	39	3,717	33	4,993	38	17
16	3,925	37	10,164	38	3,813	33	5,468	27	5,051	31	16
15	4,988	32	8,395	23	4,376	27	3,460	19	4,664	24	15
14	3,242	25	4,715	11	3,650	21	1,992	14	4,347	17	14
13	2,532	20	1,881	4	3,712	16	3,128	11	3,570	10	13
12	2,311	16	497	1	3,645	10	1,714	7	2,358	5	12
11	2,624	13	237	1	1,621	5	1,309	4	982	2	11
10	2,371	9	53	1	1,156	3	813	2	242	1	10
9	1,361	5	25	1	305	1	582	1	34	1	9
8	1,508	4	6	1	126	1	164	1	22	1	8
7	574	1	14	1	95	1	65	1	6	1	7
6	205	1	4	1	66	1	29	1	2	1	6
5	83	1	0	1	35	1	6	1	1	1	5
4	21	1	2	1	11	1	7	1	0	1	4
3	13	1	0	1	2	1	2	1	0	1	3
2	5	1	0	1	2	1	0	1	0	1	2
1	1	1	1	1	3	1	2	1	0	1	1
Avg (SD)	19.5 (6.8)		19.3 (4.8)		20.1 (6.3)		19.9 (5.2)		19.8 (5.3)		Avg (SD)

<sup>1</sup>CP 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: 68,737

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), 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	2,378	100	949	100	1,546	100	2,167	100	1,294	100	285	100	294	100	18
17	3,347	97	1,003	99	2,559	98	2,632	97	1,313	98	402	100	114	100	17
16	2,238	92	3,708	97	2,843	94	3,384	93	2,645	96	814	99	1,330	99	16
15	2,821	88	3,675	92	3,935	90	3,592	88	2,490	92	2,162	98	2,243	97	15
14	2,956	84	3,790	86	3,177	84	3,813	83	3,105	89	3,889	95	3,222	94	14
13	3,145	80	4,313	81	4,854	80	4,064	77	5,492	84	4,542	89	4,213	90	13
12	4,177	75	5,599	75	5,618	72	4,722	71	5,546	76	4,740	82	4,763	83	12
11	6,017	69	6,392	66	5,432	64	4,708	65	4,425	68	8,667	76	5,317	76	11
10	6,746	61	6,499	57	9,285	56	5,509	58	6,084	62	9,680	63	10,214	69	10
9	5,269	51	8,178	48	6,341	43	5,648	50	6,652	53	12,033	49	10,198	54	9
8	6,341	43	7,446	36	8,092	34	6,721	41	8,301	43	8,696	31	9,182	39	8
7	5,924	34	5,208	25	5,992	22	5,307	32	10,785	31	6,033	19	6,858	26	7
6	5,155	25	4,090	17	4,906	13	6,532	24	6,270	15	2,298	10	4,930	16	6
5	4,685	18	3,542	11	2,376	6	5,129	14	2,669	6	2,537	7	1,707	9	5
4	3,602	11	3,006	6	864	3	3,228	7	1,226	2	599	3	2,185	6	4
3	2,740	6	1,022	2	546	1	1,054	2	256	1	1,051	2	723	3	3
2	1,008	2	292	1	292	1	496	1	158	1	26	1	792	2	2
1	188	1	25	1	79	1	31	1	26	1	283	1	452	1	1
Avg (SD)	9.6 (4.2)		10.0 (3.6)		10.4 (3.5)		10.0 (4.0)		9.8 (3.4)		9.8 (2.8)		9.4 (3.1)		Avg (SD)

<sup>1</sup>CP 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)	19	18	20	20	19
Q1 (25th Percentile)	15	16	15	16	16

Total Students in Report: 68,737

**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 <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>68,737</b>	<b>69</b>	<b>20.7</b>	<b>18.4</b>
	Black/African American	12,350	68	17.2	15.6
	American Indian/Alaska Native	221	59	19.4	16.5
	White	43,278	72	21.7	19.5
	Hispanic/Latino	4,018	66	19.5	17.0
	Asian	1,165	78	23.7	21.4
	Native Hawaiian/Other Pac. Isl.	69	57	19.3	16.4
	Two or more races	2,110	73	20.7	19.2
	Prefer not/No Response	5,526	42	20.5	16.9
National	<b>All Students</b>	<b>1,924,436</b>	<b>72</b>	<b>21.9</b>	<b>18.9</b>
	Black/African American	252,566	67	17.8	15.9
	American Indian/Alaska Native	14,711	61	19.0	16.5
	White	1,057,803	76	23.2	20.2
	Hispanic/Latino	299,920	71	19.6	17.4
	Asian	87,499	79	24.5	22.0
	Native Hawaiian/Other Pac. Isl.	6,090	62	20.3	16.5
	Two or more races	76,066	73	22.0	19.3
	Prefer not/No Response	129,781	54	22.6	18.5

<sup>1</sup>"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	<b>All Students</b>	19.5	19.3	20.1	19.9	19.8
	Black/African American	15.7	16.5	16.6	17.1	16.6
	American Indian/Alaska Native	17.0	17.8	18.6	18.1	18.0
	White	20.9	20.1	21.4	20.9	20.9
	Hispanic/Latino	17.7	18.3	18.7	18.8	18.5
	Asian	22.8	23.5	22.7	23.0	23.1
	Native Hawaiian/Other Pac. Isl.	16.8	18.0	17.7	18.7	17.9
	Two or more races	20.0	19.3	20.6	20.3	20.2
	Prefer not/No Response	17.8	18.3	19.0	18.9	18.7
National	<b>All Students</b>	20.4	20.8	21.4	20.9	21.0
	Black/African American	15.9	17.2	17.4	17.3	17.1
	American Indian/Alaska Native	16.6	18.1	18.4	18.2	17.9
	White	22.1	21.9	22.9	22.2	22.4
	Hispanic/Latino	17.8	19.1	19.2	19.0	18.9
	Asian	23.0	25.0	23.3	23.6	23.9
	Native Hawaiian/Other Pac. Isl.	17.7	19.2	18.9	18.8	18.8
	Two or more races	20.7	20.8	21.8	21.1	21.2
	Prefer not/No Response	19.9	20.5	21.1	20.5	20.6



Total Students in Report: 68,737

**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	3,192	5	918	1	2,976	4	1,442	2
	28 to 32	6,135	9	3,805	6	7,312	11	3,556	5
	24 to 27	9,338	14	9,894	14	8,450	12	10,553	15
	20 to 23	14,546	21	10,995	16	15,881	23	20,330	30
	16 to 19	13,687	20	27,295	40	15,313	22	19,583	28
	13 to 15	10,762	16	14,991	22	11,738	17	8,580	12
	01 to 12	11,077	16	839	1	7,067	10	4,693	7
National	33 to 36	100,774	5	54,201	3	114,663	6	62,731	3
	28 to 32	198,676	10	185,515	10	261,565	14	140,666	7
	24 to 27	303,299	16	384,130	20	281,364	15	388,063	20
	20 to 23	444,997	23	352,854	18	463,232	24	559,967	29
	16 to 19	357,690	19	646,399	34	409,189	21	462,353	24
	13 to 15	277,710	14	283,831	15	264,288	14	200,383	10
	01 to 12	241,290	13	17,506	1	130,135	7	110,273	6

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	33,911	49	18.9	19.5	19.8	20.1	19.7
	Females	34,709	50	20.2	19.0	20.5	19.8	20.0
	Missing	117	0	14.1	16.4	16.3	16.9	16.0
National	Males	895,775	47	20.0	21.3	21.2	21.3	21.1
	Females	1,013,212	53	20.8	20.4	21.6	20.6	21.0
	Missing	15,449	1	15.7	17.7	17.6	17.5	17.3

**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	32	37	32	21
	Females	62	27	40	27	18
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 68,737

**Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	47,160	65	20.7	34	19.9	44	21.0	34	20.7	23	20.7
	Less than Core	15,173	47	17.7	22	18.2	30	18.6	22	18.7	14	18.4
	Missing <sup>3</sup>	6,404	33	15.4	13	16.9	21	17.1	13	17.3	7	16.8
National	Core or More	1,389,338	71	21.4	49	21.7	52	22.3	44	21.8	33	21.9
	Less than Core	424,562	48	18.0	27	18.9	32	19.3	24	19.0	16	18.9
	Missing	110,536	38	16.3	19	17.8	25	18.0	19	17.8	11	17.6

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.

<sup>2</sup> "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.

<sup>3</sup> Zero years or no coursework information reported in one or more content areas.

<sup>4</sup> 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 <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	59,258	62	20.2	60,636	32	19.6	53,677	43	20.9	56,097	31	20.3
	Less than Core	3,467	29	14.8	2,014	4	15.4	8,901	23	17.7	6,407	28	19.3
	Missing <sup>3</sup>	6,012	34	15.6	6,087	13	17.0	6,159	21	17.1	6,233	14	17.3
National	Core or More	1,732,463	67	20.8	1,743,121	45	21.2	1,627,689	49	21.8	1,592,830	42	21.5
	Less than Core	93,944	36	15.9	78,951	8	16.3	194,720	34	19.5	227,926	18	18.1
	Missing	98,029	40	16.5	102,364	20	17.8	102,027	26	18.1	103,680	20	18.0

<sup>1</sup> "Curriculum Taken" reflects content-specific curriculum in this table.

<sup>2</sup> "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.

<sup>3</sup> 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

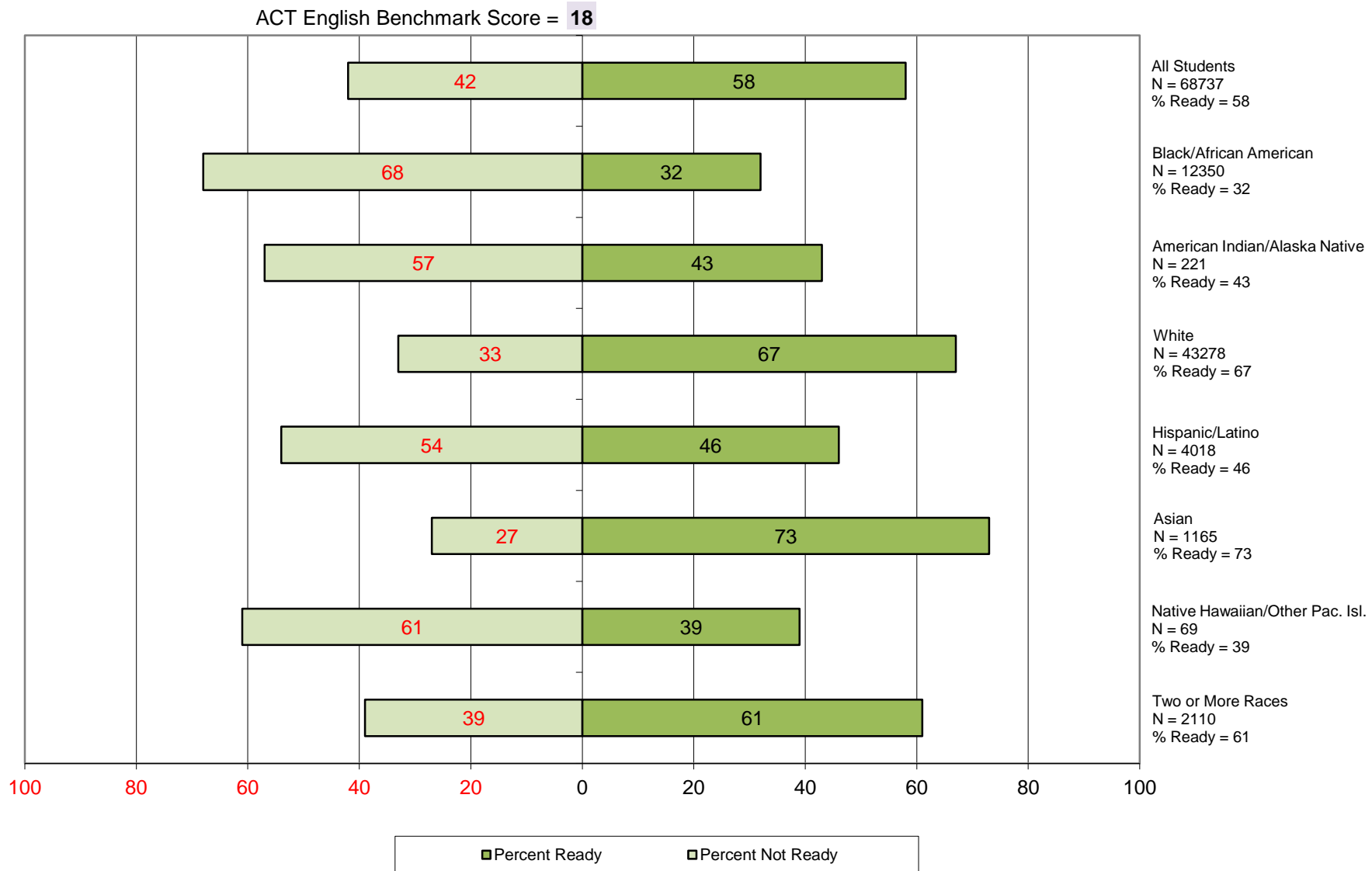


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

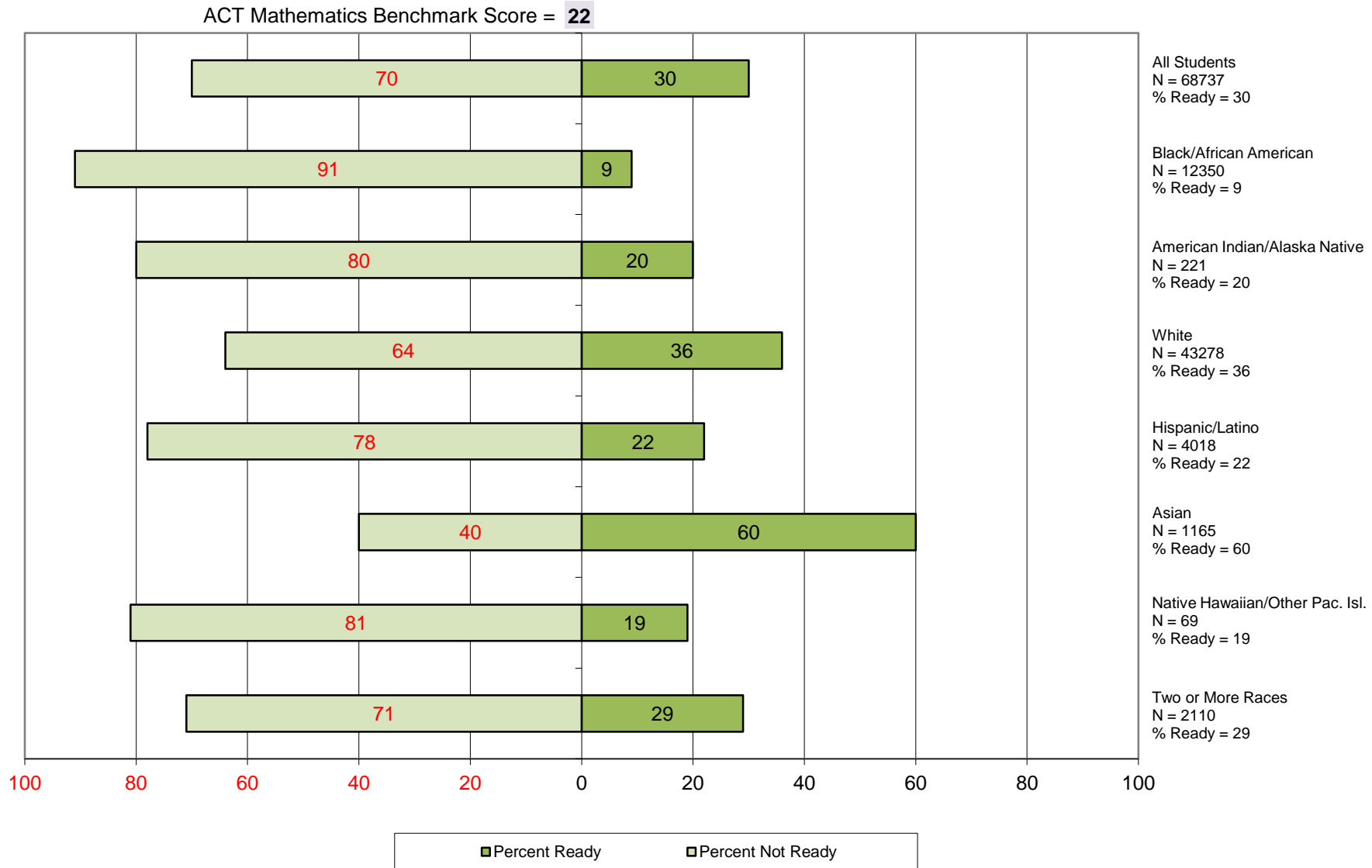


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

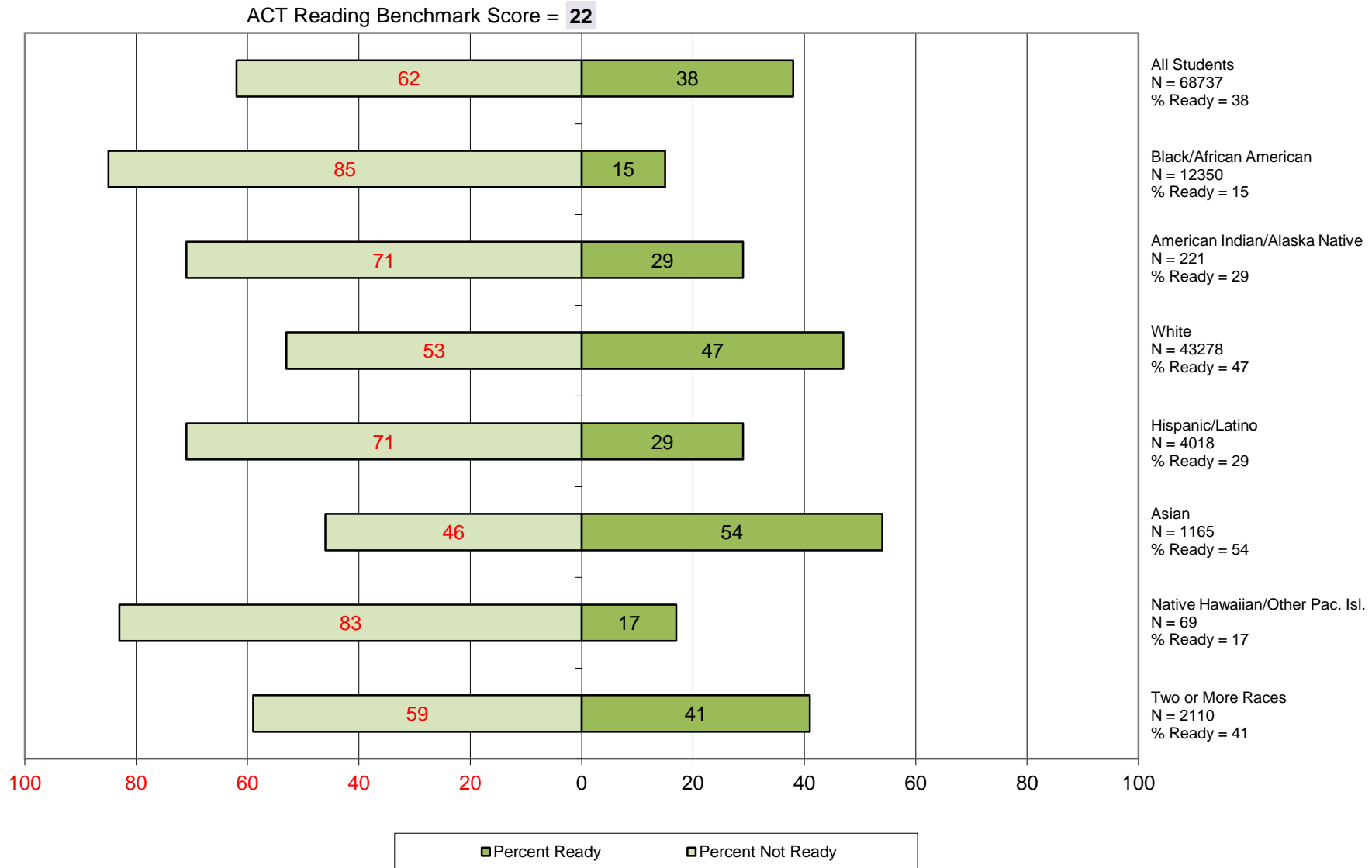


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

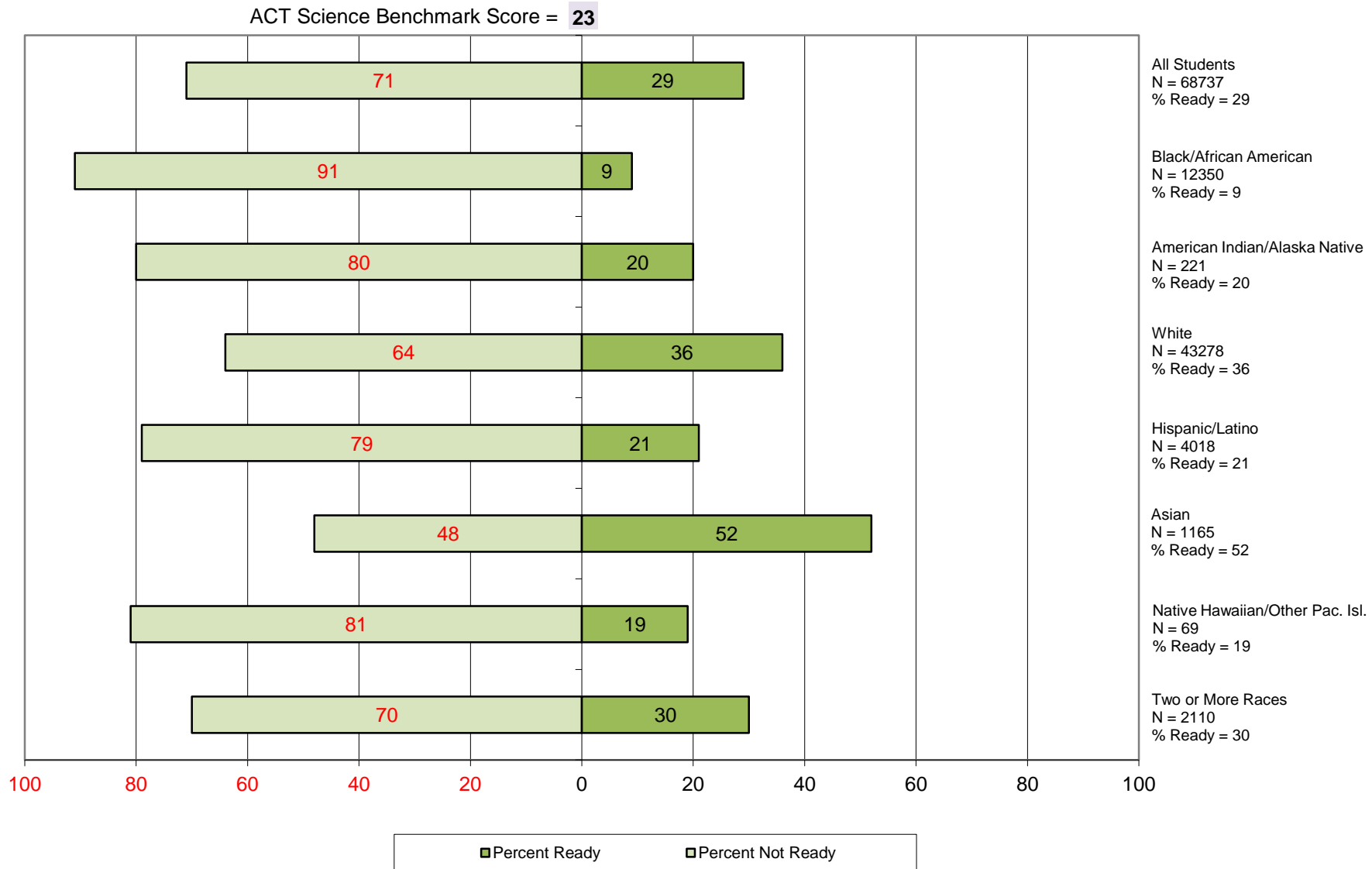
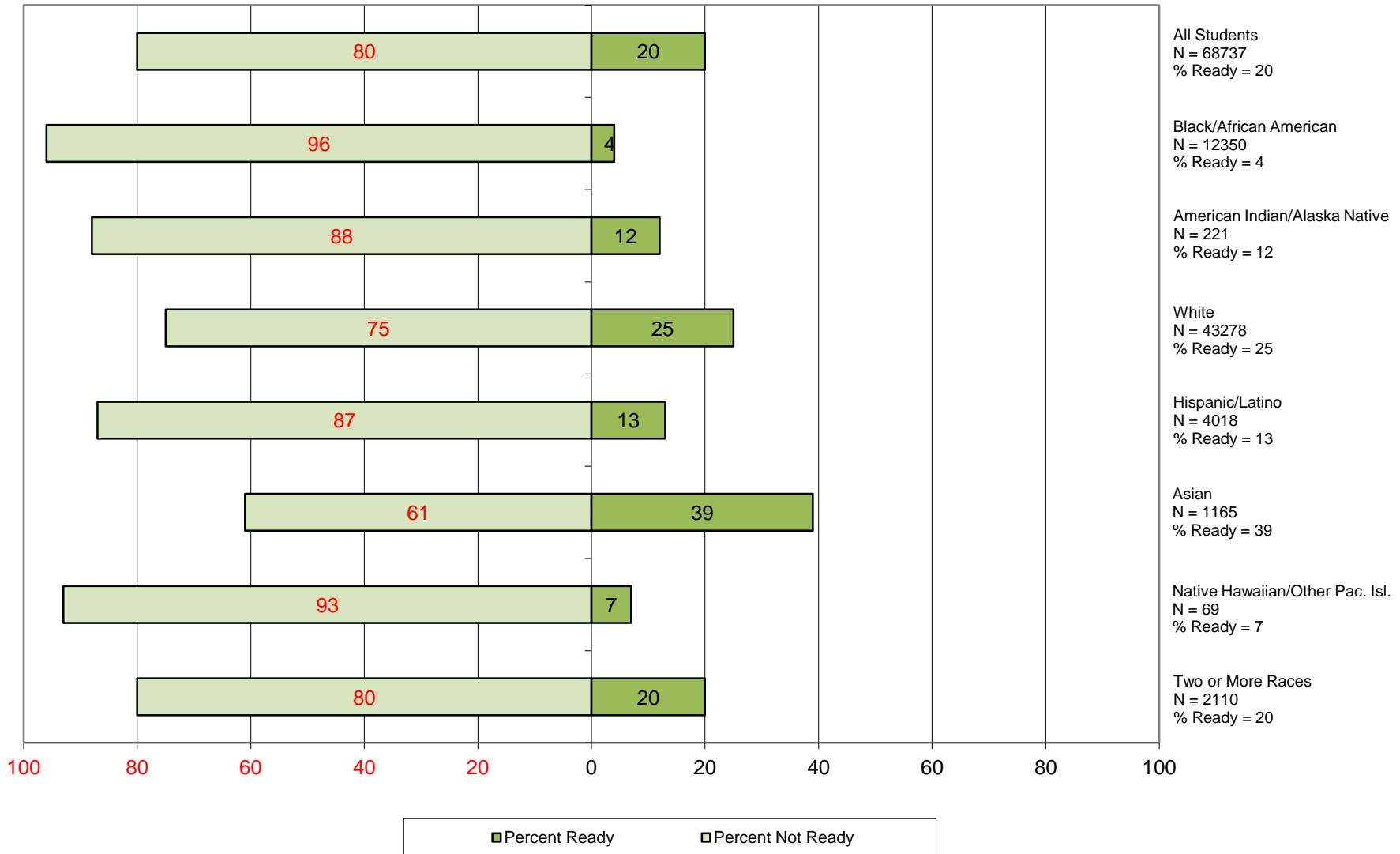


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 68,737

**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 <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,127	13	21.9	7.1	3,971	12	21.4	7.1	5,150	15	22.3	6.7
Eng 9, Eng 10, Eng 11, Eng 12	50,131	73	19.9	5.1	24,418	72	19.4	5.1	25,657	74	20.4	4.8
Less than 4 years of English	3,467	5	14.8	-	2,005	6	14.3	-	1,447	4	15.6	-
Zero years / no English courses reported	6,012	9	15.6	-	3,517	10	15.2	-	2,455	7	16.1	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	2,680	4	20.8	5.4	1,349	4	21.5	6.1	1,328	4	20.2	4.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,231	8	20.8	5.4	2,169	6	21.3	5.9	3,058	9	20.5	5.0
Alg 1, Alg 2, Geom, & Trig	6,156	9	18.1	2.7	3,002	9	18.3	2.9	3,142	9	18.0	2.5
Alg 1, Alg 2, Geom, & Other Adv Math	20,139	29	18.6	3.2	8,798	26	18.8	3.4	11,320	33	18.5	3.0
Other comb of 4 or more years of Math	16,834	24	22.2	6.8	8,736	26	22.8	7.4	8,084	23	21.6	6.1
Alg 1, Alg 2, & Geom	6,234	9	16.4	1.0	3,450	10	16.5	1.1	2,771	8	16.3	0.8
Other comb of 3 or 3.5 years of Math	3,362	5	18.3	2.9	1,649	5	18.7	3.3	1,710	5	17.9	2.4
Less than 3 years of Math	2,014	3	15.4	-	1,204	4	15.4	-	805	2	15.5	-
Zero years / no Math courses reported	6,087	9	17.0	-	3,554	10	17.1	-	2,491	7	16.8	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	504	1	21.1	3.4	275	1	20.4	3.0	227	1	22.1	4.0
Other comb of 4 or more years Social Science	26,454	38	21.5	3.8	12,322	36	21.3	3.9	14,105	41	21.6	3.5
US Hist, World Hist, & Am Gov	1,501	2	17.9	0.2	874	3	17.9	0.5	626	2	18.0	-0.1
Other comb of 3 or 3.5 years of Social Science	25,218	37	20.5	2.8	11,706	35	20.3	2.9	13,491	39	20.7	2.6
Less than 3 years of Social Science	8,901	13	17.7	-	5,131	15	17.4	-	3,745	11	18.1	-
Zero years / no Social Science courses reported	6,159	9	17.1	-	3,603	11	16.9	-	2,515	7	17.5	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	19,288	28	21.1	1.8	10,107	30	21.7	3.0	9,155	26	20.5	0.7
Bio, Chem, Phys	4,002	6	23.4	4.1	2,195	6	24.1	5.4	1,802	5	22.5	2.7
Gen Sci <sup>2</sup> , Bio, Chem	31,301	46	19.5	0.2	14,033	41	19.3	0.6	17,241	50	19.6	-0.2
Other comb of 3 years of Natural Science	1,506	2	18.7	-0.6	884	3	18.8	0.1	617	2	18.5	-1.3
Less than 3 years of Natural Science	6,407	9	19.3	-	3,054	9	18.7	-	3,341	10	19.8	-
Zero years / no Natural Science courses reported	6,233	9	17.3	-	3,638	11	17.4	-	2,553	7	17.3	-

<sup>1</sup>Course 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.

<sup>2</sup>Includes General, Physical and Earth Sciences.

Total Students in Report: 68,737

**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
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,127	13	21.9	72	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	50,131	73	19.9	60	1,359,318	71	20.6	65
Less than 4 years of English	3,467	5	14.8	29	93,944	5	15.9	36
Zero years / no English courses reported	6,012	9	15.6	34	98,029	5	16.5	40
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,680	4	20.8	42	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,231	8	20.8	45	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	6,156	9	18.1	19	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	20,139	29	18.6	23	362,476	19	19.4	30
Other comb of 4 or more years of Math	16,834	24	22.2	53	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	6,234	9	16.4	8	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	3,362	5	18.3	21	95,502	5	19.8	34
Less than 3 years of Math	2,014	3	15.4	4	78,951	4	16.3	8
Zero years / no Math courses reported	6,087	9	17.0	13	102,364	5	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	504	1	21.1	46	48,944	3	22.3	51
Other comb of 4 or more years Social Science	26,454	38	21.5	47	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	1,501	2	17.9	23	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	25,218	37	20.5	40	527,956	27	21.4	46
Less than 3 years of Social Science	8,901	13	17.7	23	194,720	10	19.5	34
Zero years / no Social Science courses reported	6,159	9	17.1	21	102,027	5	18.1	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	19,288	28	21.1	39	807,744	42	22.2	48
Bio, Chem, Phys	4,002	6	23.4	56	217,893	11	23.2	55
Gen Sci <sup>1</sup> , Bio, Chem	31,301	46	19.5	24	512,754	27	20.1	30
Other comb of 3 years of Natural Science	1,506	2	18.7	21	54,439	3	19.1	24
Less than 3 years of Natural Science	6,407	9	19.3	28	227,926	12	18.1	18
Zero years / no Natural Science courses reported	6,233	9	17.3	14	103,680	5	18.0	20

<sup>1</sup>Includes 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: 68,737

**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 <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	1,531	2	18.5	274	4	15.4	1,169	2	19.4
Architecture	545	1	20.0	61	1	16.0	450	1	20.7
Area, Ethnic, & Multidisciplinary Studies	70	0	21.2	6	0	12.2	61	0	22.1
Arts: Visual & Performing	4,626	7	19.6	593	8	16.1	3,684	7	20.2
Business	5,229	8	20.3	540	7	16.4	4,437	9	20.9
Communications	1,129	2	20.7	60	1	16.5	1,011	2	21.1
Community, Family, & Personal Services	2,730	4	17.3	741	10	15.8	1,763	4	18.1
Computer Science & Mathematics	1,744	3	21.7	210	3	17.0	1,457	3	22.5
Education	2,836	4	20.1	161	2	15.7	2,569	5	20.4
Engineering	4,571	7	22.3	432	6	15.8	3,918	8	23.1
Engineering Technology & Drafting	1,178	2	18.8	309	4	15.7	780	2	20.2
English & Foreign Languages	655	1	23.6	23	0	17.2	604	1	24.0
Health Administration & Assisting	2,221	3	17.7	321	4	16.1	1,772	4	18.1
Health Sciences & Technologies	13,697	20	20.4	981	14	16.6	12,275	24	20.8
Philosophy, Religion, & Theology	366	1	21.6	20	0	16.4	329	1	22.0
Repair, Production, & Construction	1,447	2	16.6	807	11	15.9	506	1	17.9
Sciences: Biological & Physical	2,976	4	23.1	69	1	17.4	2,788	6	23.3
Social Sciences & Law	4,447	6	20.9	215	3	16.2	4,047	8	21.3
Undecided	7,599	11	20.9	803	11	16.3	5,847	12	21.7
No Response	8,918	13	16.5	514	7	14.2	596	1	15.6

<sup>1</sup>2-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.

<sup>2</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 68,737

**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	2,638	15.6	451	13.9	13	13.8	1,706	16.1	174	15.1
2-yr College Degree	4,590	16.2	877	14.4	17	16.1	2,911	16.9	306	15.3
Bachelors Degree	29,384	19.7	5,537	16.5	89	17.8	19,335	20.8	1,671	18.5
Graduate Study	7,679	23.3	943	18.7	26	22.3	5,535	24.3	381	21.4
Prof. Level Degree	13,105	22.5	2,525	18.9	34	20.3	8,064	23.6	805	21.3
Other	1,596	16.5	266	14.5	8	15.8	1,015	17.0	95	15.3
No Response	9,745	17.4	1,751	14.8	34	16.0	4,712	18.3	586	16.0

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	2,638	15.6	19	15.7	3	12.0	34	16.1	238	15.3
2-yr College Degree	4,590	16.2	28	16.6	9	16.0	122	16.6	320	15.5
Bachelors Degree	29,384	19.7	398	20.4	30	17.7	940	19.4	1,384	18.9
Graduate Study	7,679	23.3	171	25.3	10	21.7	224	22.9	389	22.0
Prof. Level Degree	13,105	22.5	435	26.1	9	21.1	525	22.7	708	22.2
Other	1,596	16.5	29	20.6	1	13.0	51	17.0	131	16.4
No Response	9,745	17.4	85	20.6	7	15.1	214	17.8	2,356	17.8

Total Students in Report: 68,737

**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	13,992	5,381	8,611	1	7	22	30	24	14	2
MIDDLE TENNESSEE STATE UNIVERSITY	Tennessee	11,107	3,570	7,537	3	17	34	27	13	6	0
UNIVERSITY OF TENNESSEE-CHATTANOOGA	Tennessee	7,538	1,844	5,694	1	9	27	33	21	9	0
UNIVERSITY OF MEMPHIS	Tennessee	6,616	2,322	4,294	5	20	32	25	13	5	0
TENNESSEE TECHNOLOGICAL UNIVERSITY	Tennessee	6,310	2,202	4,108	3	13	28	27	18	10	1
EAST TENNESSEE STATE UNIVERSITY	Tennessee	5,280	1,747	3,533	2	13	29	30	18	8	0
AUSTIN PEAY STATE UNIVERSITY	Tennessee	4,054	1,454	2,600	3	17	36	27	12	4	0
UNIVERSITY OF TENNESSEE-MARTIN	Tennessee	3,888	1,114	2,774	2	14	34	30	14	5	0
VANDERBILT UNIVERSITY	Tennessee	3,828	846	2,982	2	10	19	21	20	21	6
TENNESSEE STATE UNIVERSITY	Tennessee	3,767	927	2,840	8	34	37	15	4	1	0
CARSON-NEWMAN COLLEGE	Tennessee	2,375	546	1,829	2	13	32	31	15	5	0
BELMONT UNIVERSITY	Tennessee	2,370	689	1,681	2	8	21	29	23	16	1
STATE-NO COLLEGE PLANS	Iowa	2,284	2,284	0	23	40	26	9	2	0	0
CHATTANOOGA ST COMM COLL	Tennessee	2,061	880	1,181	5	24	40	22	7	2	0
SOUTHWEST TENNESSEE COMMUNITY COLLEGE	Tennessee	1,993	719	1,274	13	38	33	12	3	1	0
PELLISSIPPI STATE TECHNICAL COMM COLL	Tennessee	1,960	861	1,099	3	17	37	28	12	3	0
VOLUNTEER STATE COMMUNITY COLLEGE	Tennessee	1,725	714	1,011	2	19	39	27	10	3	0
WALTERS STATE COMMUNITY COLLEGE	Tennessee	1,680	718	962	5	21	40	25	9	2	0
MOTLOW STATE COMMUNITY COLLEGE	Tennessee	1,608	654	954	5	21	36	25	9	3	0
LIPSCOMB UNIVERSITY	Tennessee	1,592	386	1,206	2	10	24	28	21	13	2
ROANE STATE COMMUNITY COLLEGE	Tennessee	1,511	672	839	5	20	41	25	8	2	0
UNIVERSITY OF MISSISSIPPI	Mississippi	1,445	381	1,064	2	9	21	28	24	14	1
NASHVILLE STATE COMMUNITY COLLEGE	Tennessee	1,435	495	940	7	30	37	19	5	1	0
NCAA ELIGIBILITY CENTER	Indiana	1,406	661	745	4	17	30	25	15	8	0
UNIVERSITY OF ALABAMA	Alabama	1,403	467	936	1	7	16	23	24	23	5
MISSISSIPPI STATE UNIVERSITY	Mississippi	1,399	405	994	2	8	22	27	24	14	1
COLUMBIA STATE COMMUNITY COLLEGE	Tennessee	1,364	623	741	2	18	37	30	11	2	0
WESTERN KENTUCKY UNIVERSITY	Kentucky	1,364	337	1,027	1	13	32	30	18	5	0
JACKSON STATE COMM COLLEGE	Tennessee	1,326	495	831	6	29	38	21	5	1	0
AUBURN UNIVERSITY	Alabama	1,298	348	950	3	8	11	22	27	25	4
All Other Institutions		64,693	17,006	47,687	5	18	27	22	15	11	2
<b>Total</b>		<b>164,672</b>	<b>51,748</b>	<b>112,924</b>	<b>4</b>	<b>17</b>	<b>28</b>	<b>25</b>	<b>15</b>	<b>9</b>	<b>2</b>

# 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: 68,737

**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
<b>All Students</b>	<b>6,661</b>	<b>1,108,908</b>	<b>26.4</b>	<b>21.0</b>	<b>7.4</b>	<b>6.9</b>	<b>24.6</b>	<b>20.2</b>
Black/African American	847	136,380	21.4	16.3	6.7	6.0	20.4	15.9
American Indian/Alaska Native	17	7,142	25.8	16.5	7.0	5.9	23.7	16.0
White	4,429	567,060	27.4	22.8	7.5	7.1	25.4	21.8
Hispanic/Latino	350	196,970	25.0	18.4	7.2	6.7	23.4	18.1
Asian	368	68,736	28.2	23.9	8.0	7.6	26.5	23.0
Native Hawaiian/Other Pac. Isl.	6	4,070	24.7	18.0	6.8	6.5	22.7	17.6
Two or more races	237	45,517	26.0	21.3	7.3	6.9	24.3	20.4
Prefer not/No Response	407	83,033	26.2	20.8	7.3	6.7	24.4	19.9
Males	3,139	507,737	26.2	20.7	7.2	6.6	24.3	19.7
Females	3,522	590,537	26.6	21.4	7.6	7.1	25.0	20.8
Missing	0	10,634	.	16.0	.	5.6	.	15.4





