

# ACT Profile Report - State

Graduating Class 2014

Kentucky



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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](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

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:** 48,845 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. 65% 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. 17% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 7% of these students were college ready. In comparison, 38% 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 11% of the cohort took less than three years of natural science courses. 13% of these students were college ready. In comparison, 32% 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](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

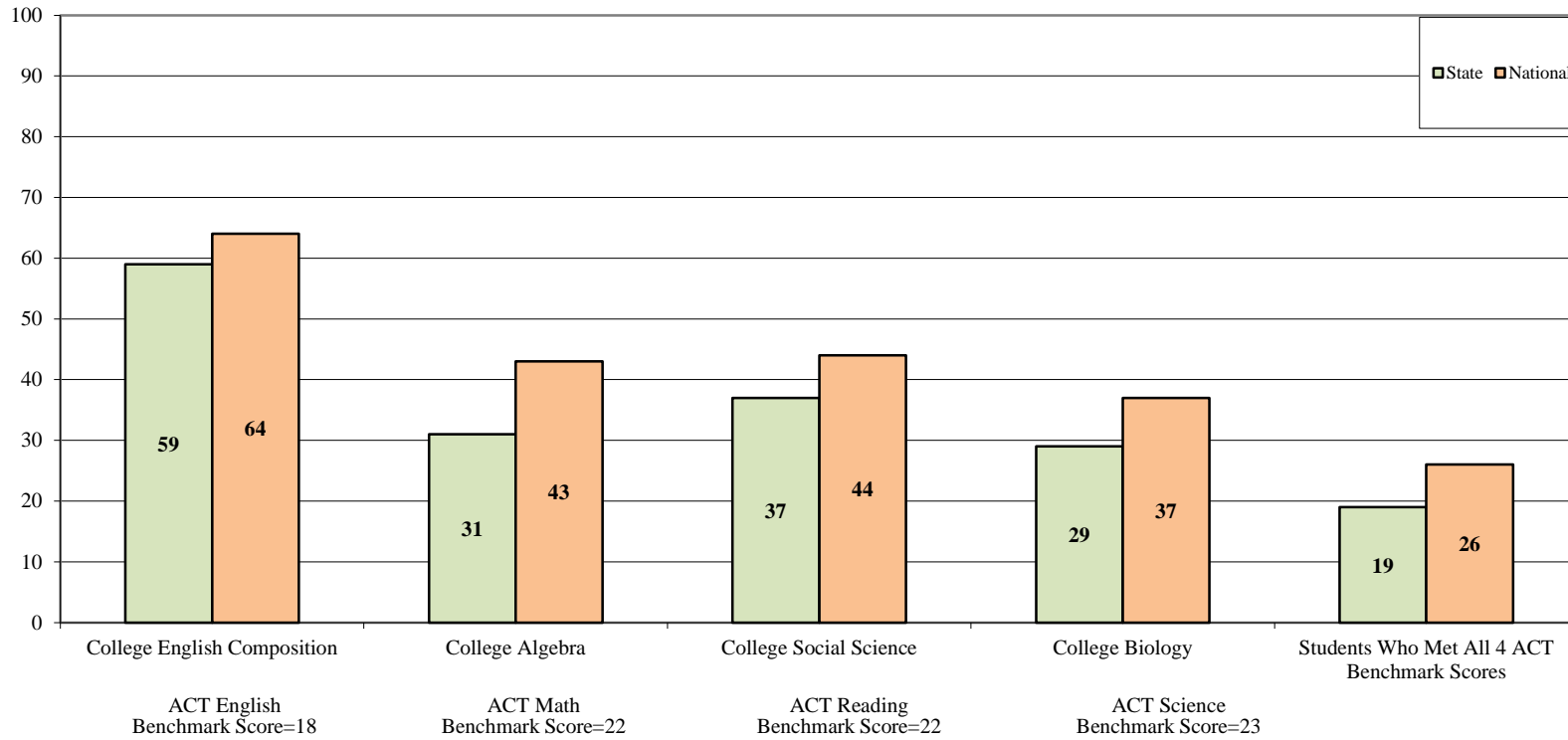
## Executive Summary

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: 48,845

**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	45,763	1,568,835	55	66	28	43	40	52	21	29	16	24
2011	46,428	1,623,112	57	66	28	45	43	52	21	30	16	25
2012	46,289	1,666,017	59	67	31	46	44	52	22	31	17	25
2013	49,551	1,799,243	57	64	30	44	36	44	28	36	18	26
<b>2014</b>	<b>48,845</b>	<b>1,845,787</b>	<b>59</b>	<b>64</b>	<b>31</b>	<b>43</b>	<b>37</b>	<b>44</b>	<b>29</b>	<b>37</b>	<b>19</b>	<b>26</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
2010	45,763	1,568,835	18.9	20.5	19.1	21.0	19.7	21.3	19.5	20.9	19.4	21.0
2011	46,428	1,623,112	19.2	20.6	19.1	21.1	20.0	21.3	19.6	20.9	19.6	21.1
2012	46,289	1,666,017	19.5	20.5	19.4	21.1	20.2	21.3	19.8	20.9	19.8	21.1
2013	49,551	1,799,243	19.2	20.2	19.2	20.9	19.9	21.1	19.7	20.7	19.6	20.9
<b>2014</b>	<b>48,845</b>	<b>1,845,787</b>	<b>19.4</b>	<b>20.3</b>	<b>19.4</b>	<b>20.9</b>	<b>20.3</b>	<b>21.3</b>	<b>20.0</b>	<b>20.8</b>	<b>19.9</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
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
<b>2014</b>	<b>1,845,787</b>	<b>20.3</b>	<b>20.9</b>	<b>21.3</b>	<b>20.8</b>	<b>21.0</b>

**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
2010	29,167	15,185	64	33	20.3	16.4	20.0	17.5	20.9	17.6	20.5	17.7	20.6	17.4
2011	30,663	14,417	66	31	20.5	16.8	20.0	17.5	21.1	18.0	20.6	17.9	20.7	17.7
2012	31,591	13,305	68	29	20.7	17.1	20.2	17.8	21.2	18.2	20.7	18.1	20.8	17.9
2013	32,364	15,260	65	31	20.6	16.9	20.1	17.7	21.1	17.9	20.6	18.0	20.7	17.8
<b>2014</b>	<b>31,832</b>	<b>14,755</b>	<b>65</b>	<b>30</b>	<b>20.8</b>	<b>17.3</b>	<b>20.2</b>	<b>18.0</b>	<b>21.3</b>	<b>18.5</b>	<b>20.9</b>	<b>18.6</b>	<b>20.9</b>	<b>18.2</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.

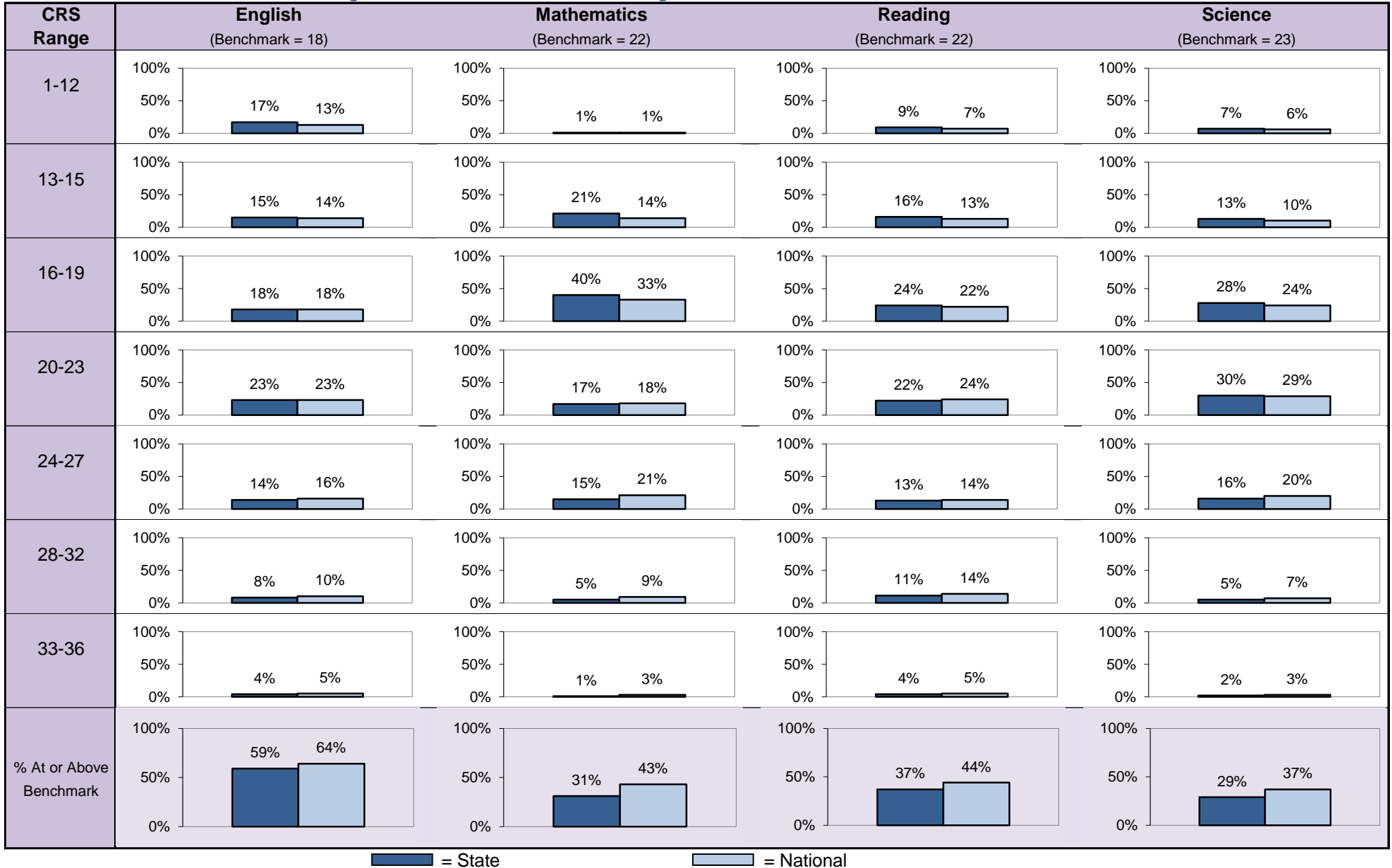
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>45,763</b>	<b>100</b>	<b>19.4</b>	<b>46,428</b>	<b>100</b>	<b>19.6</b>	<b>46,289</b>	<b>100</b>	<b>19.8</b>	<b>49,551</b>	<b>100</b>	<b>19.6</b>	<b>48,845</b>	<b>100</b>	<b>19.9</b>
Black/African American	4,051	9	16.4	4,130	9	16.5	3,969	9	16.7	4,327	9	16.4	3,896	8	16.8
American Indian/Alaska Native	178	0	17.2	185	0	17.3	176	0	17.5	174	0	17.1	187	0	17.0
White	36,245	79	19.8	36,653	79	20.1	36,541	79	20.3	37,834	76	20.2	36,156	74	20.5
Hispanic/Latino	915	2	17.9	1,179	3	18.2	1,612	3	18.4	1,883	4	18.4	1,788	4	18.7
Asian	549	1	22.7	536	1	22.6	579	1	22.0	620	1	21.8	620	1	23.0
Native Hawaiian/Other Pacific Islander	0	0	.	16	0	19.8	75	0	18.6	64	0	18.3	70	0	18.2
Two or more races	821	2	19.0	948	2	19.2	1,234	3	20.0	1,502	3	19.6	1,557	3	20.0
Prefer not to respond/No response	3,004	7	18.2	2,781	6	18.1	2,103	5	18.8	3,147	6	18.6	4,571	9	18.3

Total Students in Report: 48,845

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



Total Students in Report: 48,845

**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	45,296	93	19.9	19.6	20.6	20.3	20.2
	Extended Time	3,549	7	13.6	16.1	16.3	16.5	15.8
	Total	48,845	100	19.4	19.4	20.3	20.0	19.9
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	62	32	39	30	20
	Extended Time	23	10	18	12	6
	Total	59	31	37	29	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: 48,845

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	154	100	55	100	269	100	157	100	24	100	36
35	568	100	160	100	361	99	200	100	85	100	35
34	632	99	178	100	562	99	286	99	205	100	34
33	670	97	193	99	731	98	181	99	334	99	33
32	617	96	239	99	1,109	96	323	98	499	99	32
31	630	95	288	98	957	94	477	98	617	98	31
30	825	93	572	98	1,259	92	509	97	788	96	30
29	969	92	608	97	1,051	89	442	96	920	95	29
28	1,055	90	942	95	1,165	87	848	95	1,230	93	28
27	1,228	87	1,331	93	1,262	85	1,311	93	1,329	90	27
26	1,542	85	1,587	91	1,422	82	1,345	90	1,651	88	26
25	1,848	82	2,226	87	1,533	79	2,387	88	1,890	84	25
24	2,429	78	2,122	83	2,106	76	2,584	83	2,159	80	24
23	2,271	73	2,472	79	2,158	72	3,124	77	2,507	76	23
22	2,734	68	2,009	73	2,326	67	3,880	71	2,840	71	22
21	3,007	63	2,016	69	4,053	63	3,441	63	3,228	65	21
20	2,986	57	1,790	65	2,419	54	4,447	56	3,333	58	20
19	2,668	51	2,560	62	3,023	49	5,009	47	3,551	52	19
18	2,045	45	3,903	56	2,407	43	2,935	37	3,644	44	18
17	2,001	41	5,121	48	3,836	38	2,940	31	3,455	37	17
16	2,138	37	7,994	38	2,334	30	2,606	25	3,529	30	16
15	3,453	32	6,095	21	2,484	26	2,357	19	3,244	23	15
14	2,158	25	2,933	9	3,448	21	2,109	14	3,003	16	14
13	1,746	21	1,021	3	2,104	13	1,756	10	2,507	10	13
12	2,100	17	332	1	1,594	9	1,286	7	1,564	5	12
11	1,625	13	68	1	1,764	6	867	4	564	1	11
10	2,009	10	18	1	546	2	549	2	122	1	10
9	1,292	6	9	1	311	1	290	1	16	1	9
8	845	3	0	1	134	1	116	1	3	1	8
7	445	1	0	1	60	1	55	1	0	1	7
6	129	1	1	1	39	1	18	1	2	1	6
5	15	1	0	1	12	1	5	1	1	1	5
4	8	1	0	1	1	1	0	1	0	1	4
3	2	1	0	1	1	1	2	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	1	1	2	1	2	1	3	1	1	1	1
Avg (SD)	19.4 (6.7)		19.4 (4.8)		20.3 (6.3)		20.0 (5.1)		19.9 (5.2)		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: 48,845

**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	1,427	100	627	100	848	100	1,157	100	763	100	195	100	168	100	18
17	1,954	97	720	99	1,938	98	2,470	98	1,042	98	205	100	76	100	17
16	1,298	93	2,059	97	2,191	94	2,307	93	1,499	96	594	99	1,037	100	16
15	1,684	90	3,201	93	2,243	90	2,499	88	1,729	93	1,637	98	1,376	97	15
14	2,113	87	2,877	86	3,165	85	2,611	83	2,526	90	2,493	95	2,482	95	14
13	2,887	83	3,782	81	3,154	79	3,313	77	3,865	85	3,348	90	2,549	89	13
12	2,809	77	4,508	73	3,956	72	3,792	71	3,911	77	4,929	83	4,307	84	12
11	4,163	71	4,393	64	3,621	64	4,004	63	3,233	69	4,092	73	4,561	75	11
10	5,208	62	4,761	55	6,273	57	4,383	55	4,598	62	8,599	64	7,625	66	10
9	4,473	52	4,406	45	5,020	44	5,132	46	3,567	53	6,385	47	10,045	50	9
8	4,092	43	4,804	36	5,446	34	3,855	35	6,341	45	5,917	34	6,115	30	8
7	4,810	34	3,288	26	4,170	22	3,526	27	8,083	32	4,518	21	1,947	17	7
6	3,621	24	3,233	19	4,584	14	3,398	20	4,370	16	2,851	12	2,951	13	6
5	3,175	17	1,843	13	1,324	5	2,950	13	2,218	7	729	6	2,157	7	5
4	2,890	11	2,936	9	593	2	2,343	7	730	2	1,340	5	473	3	4
3	1,391	5	1,091	3	159	1	809	2	285	1	390	2	679	2	3
2	783	2	299	1	130	1	280	1	76	1	452	1	147	1	2
1	67	1	17	1	30	1	16	1	9	1	171	1	150	1	1
Avg (SD)	9.5 (4.0)		10.0 (3.7)		10.4 (3.5)		10.2 (3.9)		9.7 (3.4)		9.7 (2.9)		9.7 (2.8)		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)	14	16	15	17	16

Total Students in Report: 48,845

**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>48,845</b>	<b>65</b>	<b>20.9</b>	<b>18.2</b>
	Black/African American	3,896	58	17.6	16.0
	American Indian/Alaska Native	187	55	18.1	15.6
	White	36,156	68	21.3	18.7
	Hispanic/Latino	1,788	60	19.6	17.6
	Asian	620	71	24.3	20.1
	Native Hawaiian/Other Pac. Isl.	70	51	19.1	17.4
	Two or more races	1,557	66	20.8	18.6
	Prefer not/No Response	4,571	48	19.7	17.1
National	<b>All Students</b>	<b>1,845,787</b>	<b>73</b>	<b>21.8</b>	<b>18.9</b>
	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

<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>	19.4	19.4	20.3	20.0	19.9
	Black/African American	15.7	16.9	17.0	17.3	16.8
	American Indian/Alaska Native	15.6	16.8	17.4	17.4	17.0
	White	20.2	19.8	20.9	20.5	20.5
	Hispanic/Latino	17.8	18.5	19.0	19.0	18.7
	Asian	22.5	23.7	22.5	22.9	23.0
	Native Hawaiian/Other Pac. Isl.	17.3	18.1	18.8	18.0	18.2
	Two or more races	19.7	19.2	20.5	20.1	20.0
	Prefer not/No Response	17.3	18.0	18.7	18.7	18.3
National	<b>All Students</b>	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7



Total Students in Report: 48,845

**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	2,024	4	586	1	1,923	4	824	2
	28 to 32	4,096	8	2,649	5	5,541	11	2,599	5
	24 to 27	7,047	14	7,266	15	6,323	13	7,627	16
	20 to 23	10,998	23	8,287	17	10,956	22	14,892	30
	16 to 19	8,852	18	19,578	40	11,600	24	13,490	28
	13 to 15	7,357	15	10,049	21	8,036	16	6,222	13
	01 to 12	8,471	17	430	1	4,466	9	3,191	7
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	24,544	50	18.6	19.5	19.8	20.1	19.6
	Females	24,135	49	20.4	19.2	20.8	20.0	20.2
	Missing	166	0	13.7	16.3	16.0	16.5	15.8
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	53	32	35	30	20
	Females	66	30	40	28	19
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 48,845

**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>	31,832	67	20.8	37	20.2	44	21.3	35	20.9	24	20.9
	Less than Core	14,755	45	17.3	19	18.0	26	18.5	19	18.6	11	18.2
	Missing <sup>3</sup>	2,258	32	15.2	12	16.7	18	17.0	12	17.3	6	16.7
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

<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>	43,399	63	20.0	45,431	32	19.6	37,015	41	20.9	41,173	32	20.5
	Less than Core	3,559	30	15.0	1,482	4	15.9	9,741	27	18.6	5,601	13	17.8
	Missing <sup>3</sup>	1,887	34	15.4	1,932	12	16.8	2,089	18	17.0	2,071	13	17.4
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

<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

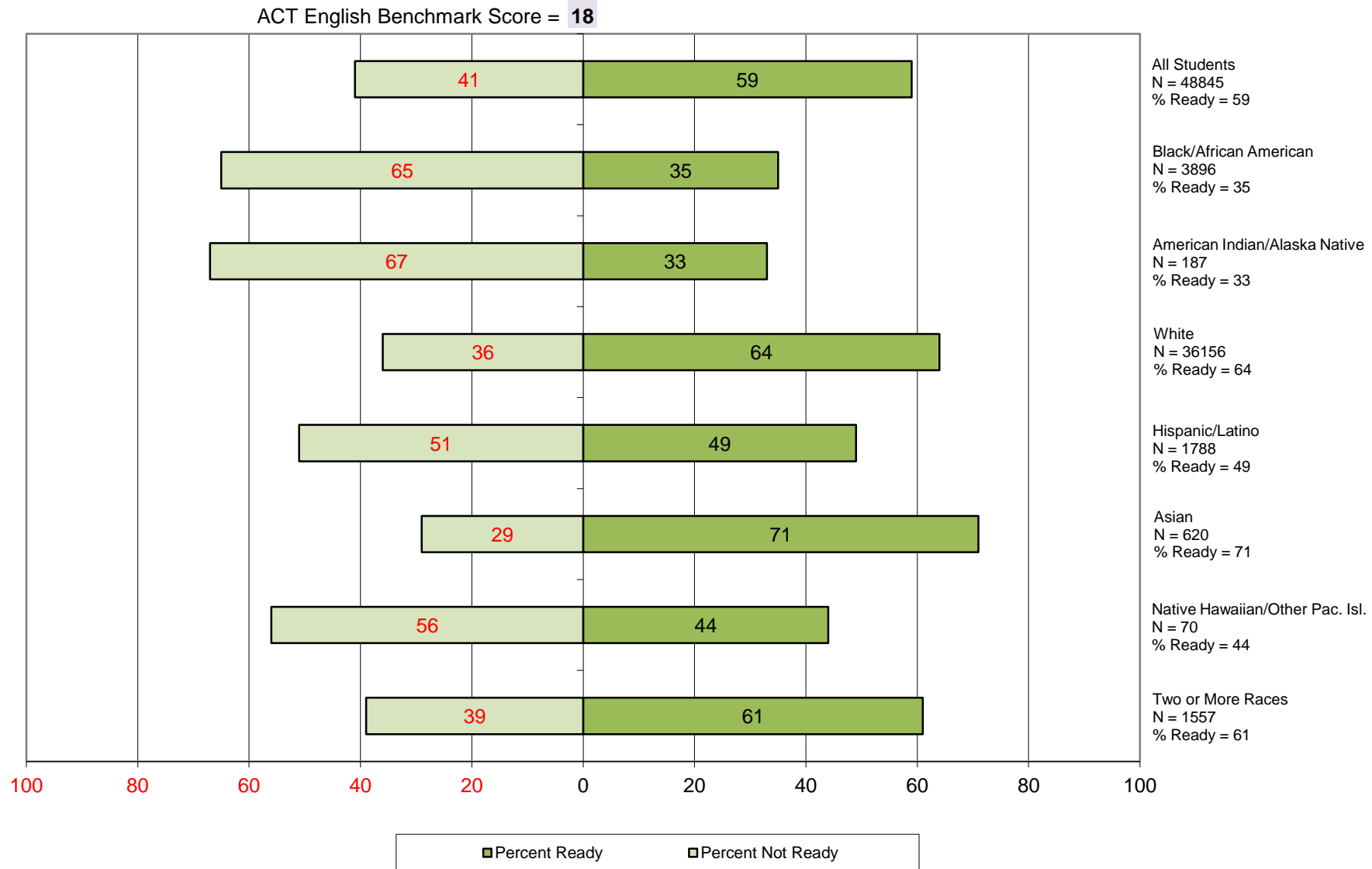


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

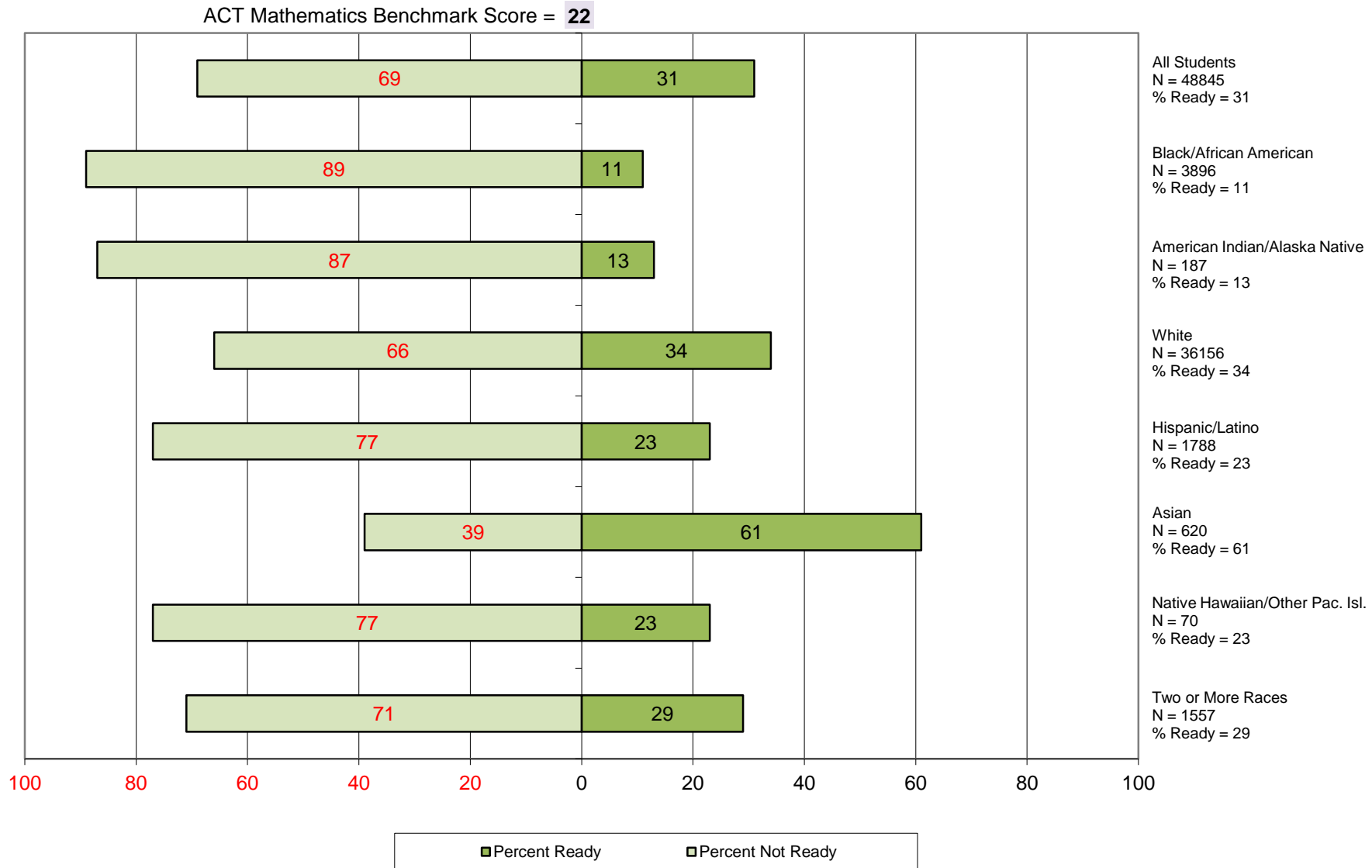


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

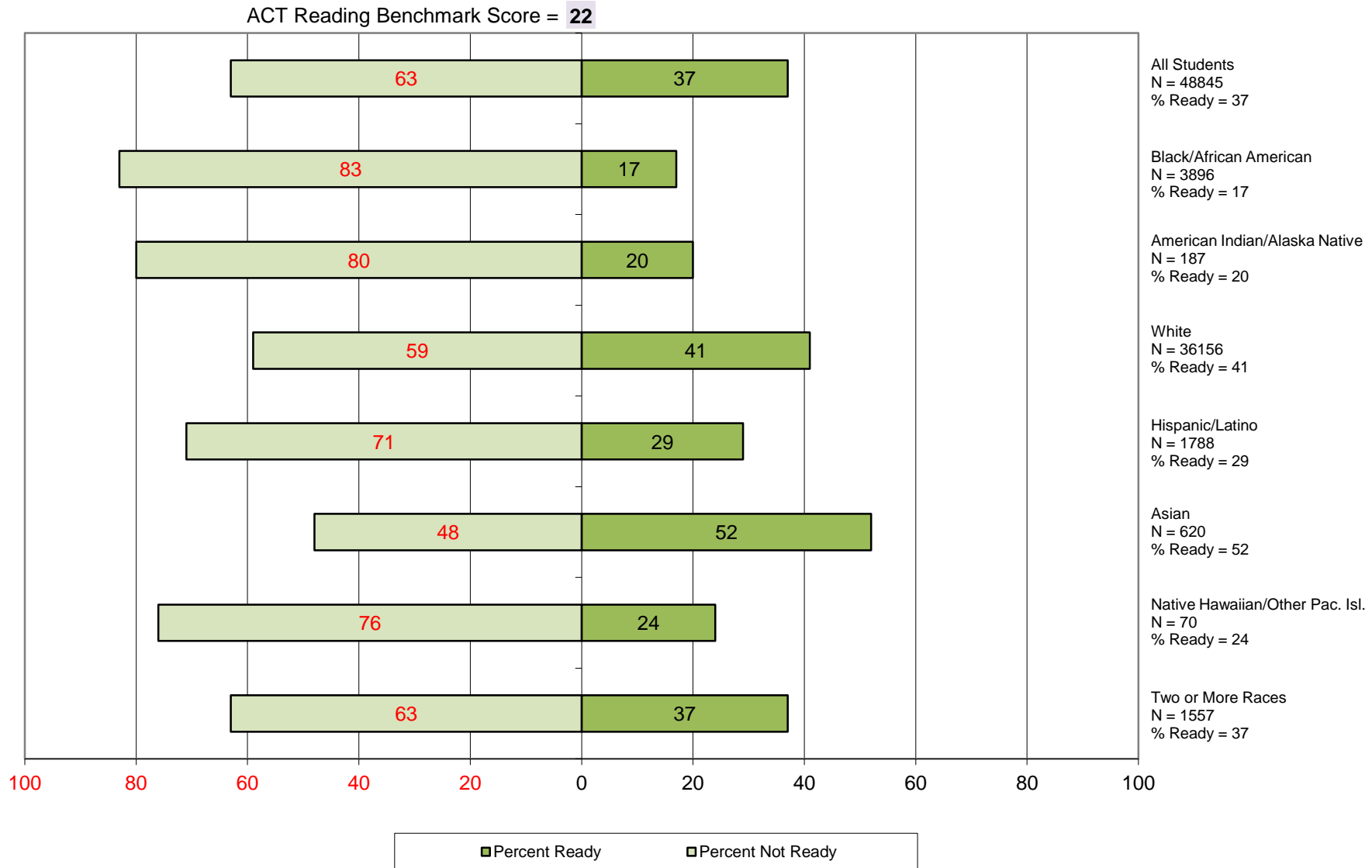


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

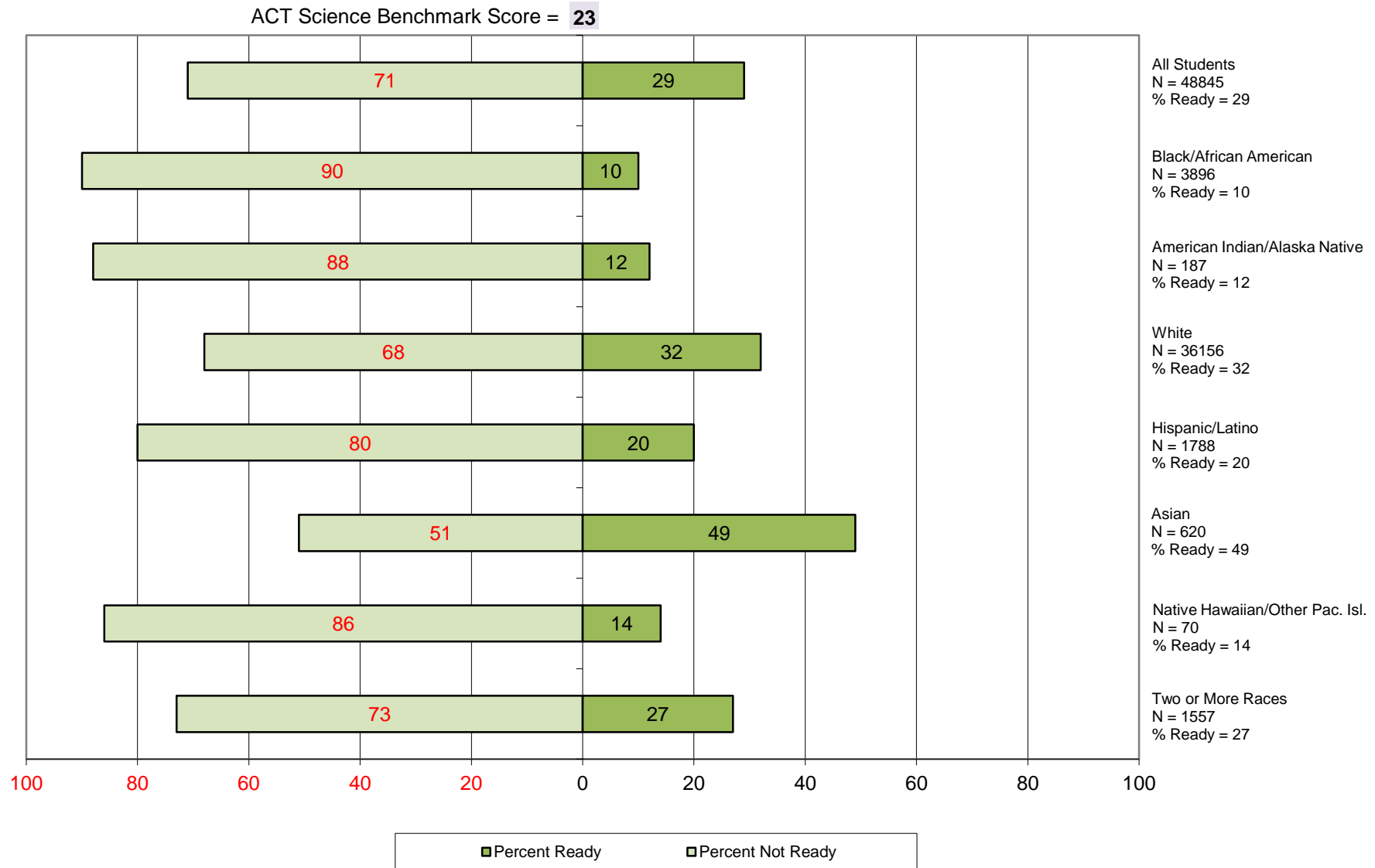
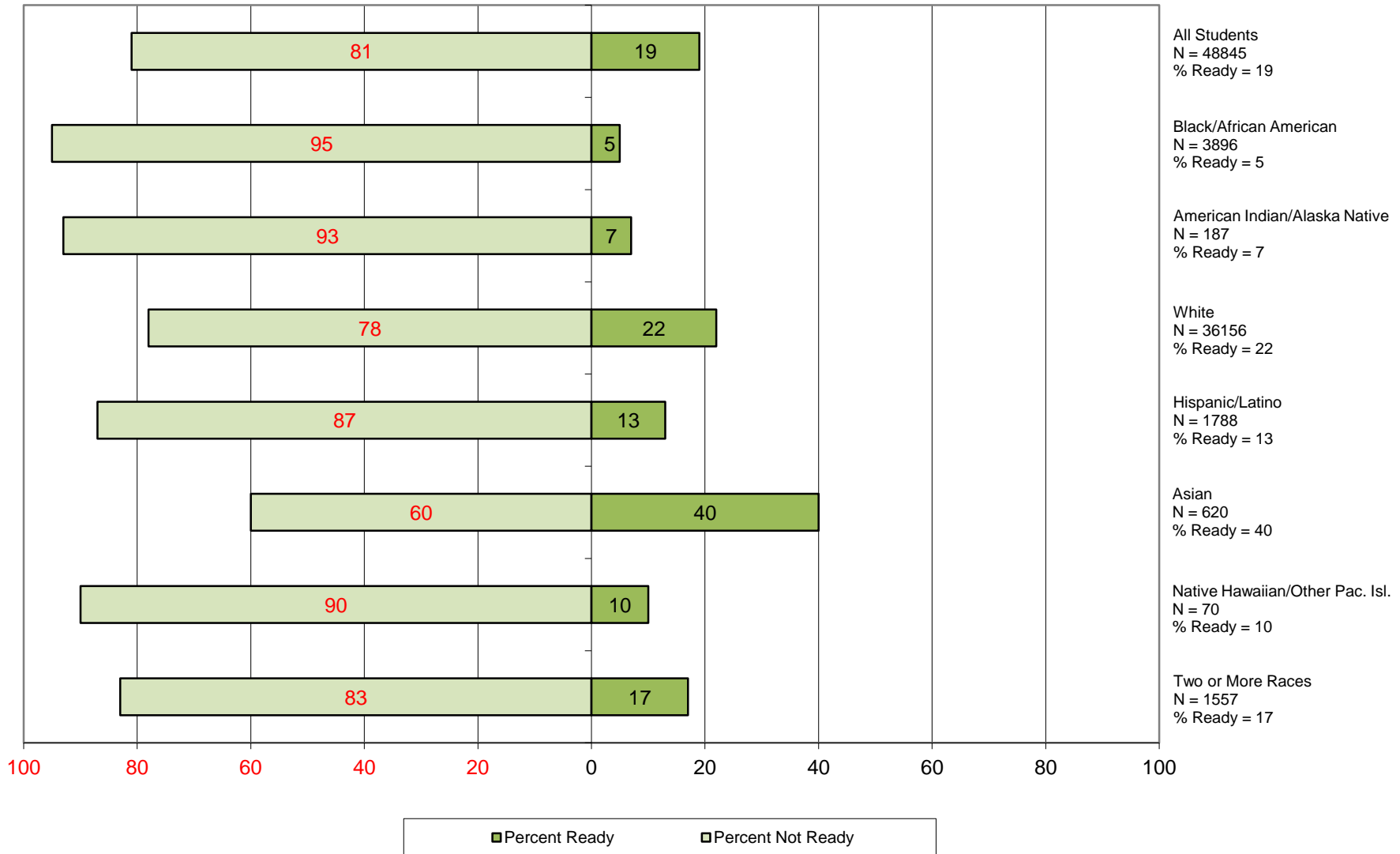


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 48,845

**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	7,118	15	22.4	7.4	3,013	12	21.8	7.4	4,099	17	22.8	6.9
Eng 9, Eng 10, Eng 11, Eng 12	36,281	74	19.5	4.5	18,334	75	18.8	4.4	17,836	74	20.3	4.4
Less than 4 years of English	3,559	7	15.0	-	2,101	9	14.4	-	1,441	6	15.9	-
Zero years / no English courses reported	1,887	4	15.4	-	1,096	4	14.8	-	759	3	16.2	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,669	3	22.0	6.1	802	3	22.7	6.8	865	4	21.4	5.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,609	5	21.5	5.6	1,137	5	21.9	6.0	1,469	6	21.2	5.4
Alg 1, Alg 2, Geom, & Trig	2,287	5	18.2	2.3	1,197	5	18.4	2.5	1,083	4	18.0	2.2
Alg 1, Alg 2, Geom, & Other Adv Math	15,034	31	18.7	2.8	6,888	28	18.7	2.8	8,101	34	18.6	2.8
Other comb of 4 or more years of Math	12,722	26	22.5	6.6	6,368	26	23.0	7.1	6,337	26	22.0	6.2
Alg 1, Alg 2, & Geom	8,274	17	16.5	0.6	4,598	19	16.5	0.6	3,642	15	16.4	0.6
Other comb of 3 or 3.5 years of Math	2,836	6	18.2	2.3	1,538	6	18.5	2.6	1,284	5	17.9	2.1
Less than 3 years of Math	1,482	3	15.9	-	900	4	15.9	-	570	2	15.8	-
Zero years / no Math courses reported	1,932	4	16.8	-	1,116	5	16.9	-	784	3	16.7	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,273	3	20.9	2.3	678	3	20.6	2.5	594	2	21.3	2.0
Other comb of 4 or more years Social Science	15,998	33	21.6	3.0	7,676	31	21.3	3.2	8,291	34	22.0	2.7
US Hist, World Hist, & Am Gov	7,013	14	18.7	0.1	3,824	16	18.5	0.4	3,165	13	19.1	-0.2
Other comb of 3 or 3.5 years of Social Science	12,731	26	21.2	2.6	5,927	24	20.9	2.8	6,770	28	21.5	2.2
Less than 3 years of Social Science	9,741	20	18.6	-	5,221	21	18.1	-	4,477	19	19.3	-
Zero years / no Social Science courses reported	2,089	4	17.0	-	1,218	5	16.7	-	838	3	17.4	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	15,219	31	21.1	3.3	7,940	32	21.5	3.9	7,244	30	20.7	2.6
Bio, Chem, Phys	3,577	7	22.4	4.6	1,784	7	22.9	5.3	1,781	7	22.0	3.9
Gen Sci <sup>2</sup> , Bio, Chem	21,070	43	19.7	1.9	9,710	40	19.6	2.0	11,303	47	19.9	1.8
Other comb of 3 years of Natural Science	1,307	3	18.7	0.9	787	3	19.1	1.5	513	2	18.2	0.1
Less than 3 years of Natural Science	5,601	11	17.8	-	3,125	13	17.6	-	2,455	10	18.1	-
Zero years / no Natural Science courses reported	2,071	4	17.4	-	1,198	5	17.4	-	839	3	17.4	-

<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: 48,845

**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	7,118	15	22.4	77	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	36,281	74	19.5	60	1,305,220	71	20.5	65
Less than 4 years of English	3,559	7	15.0	30	88,420	5	15.9	36
Zero years / no English courses reported	1,887	4	15.4	34	81,272	4	16.3	38
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,669	3	22.0	53	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,609	5	21.5	52	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	2,287	5	18.2	19	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	15,034	31	18.7	24	356,555	19	19.4	31
Other comb of 4 or more years of Math	12,722	26	22.5	57	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	8,274	17	16.5	7	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	2,836	6	18.2	20	90,105	5	19.8	35
Less than 3 years of Math	1,482	3	15.9	4	74,627	4	16.4	8
Zero years / no Math courses reported	1,932	4	16.8	12	84,966	5	17.8	19
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,273	3	20.9	42	48,992	3	22.3	50
Other comb of 4 or more years Social Science	15,998	33	21.6	46	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	7,013	14	18.7	27	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	12,731	26	21.2	44	504,877	27	21.3	43
Less than 3 years of Social Science	9,741	20	18.6	27	180,385	10	19.4	32
Zero years / no Social Science courses reported	2,089	4	17.0	18	85,294	5	17.8	24
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	15,219	31	21.1	38	781,043	42	22.1	46
Bio, Chem, Phys	3,577	7	22.4	49	199,419	11	23.1	54
Gen Sci <sup>1</sup> , Bio, Chem	21,070	43	19.7	26	505,460	27	20.0	28
Other comb of 3 years of Natural Science	1,307	3	18.7	19	52,236	3	19.2	24
Less than 3 years of Natural Science	5,601	11	17.8	13	220,701	12	18.1	17
Zero years / no Natural Science courses reported	2,071	4	17.4	13	86,928	5	17.7	17

<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: 48,845

**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	1,240	3	18.6	287	4	16.1	870	2	19.6
Architecture	373	1	20.3	44	1	15.6	317	1	21.0
Area, Ethnic, & Multidisciplinary Studies	42	0	20.1	9	0	15.3	31	0	21.9
Arts: Visual & Performing	3,224	7	19.6	499	8	16.3	2,515	7	20.5
Business	2,884	6	20.5	340	5	16.5	2,462	7	21.2
Communications	775	2	21.2	52	1	16.7	706	2	21.6
Community, Family, & Personal Services	2,684	5	17.7	757	12	16.1	1,765	5	18.4
Computer Science & Mathematics	1,185	2	21.7	155	2	17.9	989	3	22.3
Education	2,851	6	20.3	165	3	16.4	2,615	7	20.6
Engineering	2,852	6	22.5	375	6	16.1	2,368	6	23.7
Engineering Technology & Drafting	869	2	18.5	312	5	16.1	510	1	20.2
English & Foreign Languages	514	1	23.2	28	0	16.3	468	1	23.7
Health Administration & Assisting	1,248	3	18.1	176	3	16.0	1,024	3	18.4
Health Sciences & Technologies	11,150	23	20.5	855	13	16.7	10,047	27	20.9
Philosophy, Religion, & Theology	218	0	22.0	15	0	18.1	197	1	22.4
Repair, Production, & Construction	1,811	4	16.6	1,082	16	16.1	563	2	17.8
Sciences: Biological & Physical	1,740	4	23.7	39	1	17.0	1,653	4	23.9
Social Sciences & Law	3,605	7	21.2	182	3	16.6	3,305	9	21.6
Undecided	4,894	10	20.5	595	9	16.0	3,790	10	21.5
No Response	4,394	9	16.0	491	7	14.6	495	1	16.3

<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: 48,845

**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	2,199	15.8	158	14.3	20	14.7	1,604	16.0	63	15.0
2-yr College Degree	4,373	16.3	335	14.6	18	14.7	3,252	16.6	165	15.6
Bachelors Degree	21,411	19.7	1,858	16.6	68	17.7	16,313	20.2	794	18.3
Graduate Study	5,612	23.0	333	19.0	16	16.8	4,435	23.6	164	21.0
Prof. Level Degree	9,807	22.8	766	18.9	30	20.6	7,272	23.4	415	21.4
Other	1,572	16.5	96	14.9	14	14.5	1,112	16.7	51	15.6
No Response	3,871	16.8	350	15.3	21	15.2	2,168	17.1	136	16.5

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	2,199	15.8	14	15.5	1	16.0	52	15.6	287	15.6
2-yr College Degree	4,373	16.3	18	15.7	9	16.0	88	16.2	488	16.0
Bachelors Degree	21,411	19.7	212	20.2	27	18.3	725	19.5	1,414	18.5
Graduate Study	5,612	23.0	97	25.4	10	21.2	177	22.7	380	21.1
Prof. Level Degree	9,807	22.8	243	26.2	15	19.0	376	22.1	690	22.0
Other	1,572	16.5	10	17.5	2	11.5	51	17.9	236	16.4
No Response	3,871	16.8	26	17.8	6	16.8	88	17.8	1,076	16.8

Total Students in Report: 48,845

**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 KENTUCKY	Kentucky	17,415	6,266	11,149	2	10	25	29	20	11	1
UNIVERSITY OF LOUISVILLE	Kentucky	12,407	4,059	8,348	3	12	25	29	19	12	2
WESTERN KENTUCKY UNIVERSITY	Kentucky	11,514	3,155	8,359	2	13	29	29	17	8	1
EASTERN KENTUCKY UNIVERSITY	Kentucky	9,424	3,026	6,398	2	14	34	29	14	5	0
MOREHEAD STATE UNIVERSITY	Kentucky	5,102	1,489	3,613	2	14	34	29	14	6	0
MURRAY STATE UNIVERSITY	Kentucky	4,653	1,464	3,189	2	12	29	31	18	8	1
NORTHERN KENTUCKY UNIVERSITY	Kentucky	4,050	1,358	2,692	1	10	30	32	19	8	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	3,045	3,045	0	10	32	33	16	6	2	1
BELLARMINE UNIVERSITY	Kentucky	3,041	716	2,325	2	7	18	31	26	14	1
BLUEGRASS COMMUNITY & TECHNICAL COLLEGE	Kentucky	2,010	705	1,305	5	25	39	21	7	2	0
CAMPBELLSVILLE UNIVERSITY	Kentucky	1,796	456	1,340	3	14	34	27	15	6	0
UNIVERSITY OF CINCINNATI	Ohio	1,548	389	1,159	1	6	19	28	27	16	2
BEREA COLLEGE	Kentucky	1,502	461	1,041	3	15	32	29	16	5	0
SOMERSET COMMUNITY COLLEGE	Kentucky	1,470	633	837	6	27	40	20	6	1	0
GEORGETOWN COLLEGE	Kentucky	1,453	214	1,239	2	14	28	27	17	10	1
UNIVERSITY OF PIKEVILLE	Kentucky	1,381	264	1,117	4	22	38	25	8	3	0
MAYSVILLE COMM & TECH COLL-MOREHEAD	Kentucky	1,364	344	1,020	4	25	39	24	6	2	0
LINDSEY WILSON COLLEGE	Kentucky	1,324	253	1,071	3	17	37	28	11	3	0
KENTUCKY STATE UNIVERSITY	Kentucky	1,258	269	989	7	32	37	18	5	2	0
STATE-NO COLLEGE PLANS	Iowa	1,241	1,241	0	22	46	23	7	1	0	0
ELIZABETHTOWN COMM AND TECH COLLEGE	Kentucky	1,208	533	675	5	24	37	25	8	2	0
NCAA ELIGIBILITY CENTER	Indiana	1,188	489	699	3	15	29	28	18	7	1
TRANSYLVANIA UNIVERSITY	Kentucky	1,106	186	920	0	6	17	24	27	24	2
WEST KENTUCKY COMM & TECHNICAL COLLEGE	Kentucky	1,067	426	641	5	24	36	23	9	2	0
UNIVERSITY OF THE CUMBERLANDS	Kentucky	957	221	736	2	13	25	33	17	9	0
OWENSBORO COMM & TECH COLL-MAIN CAMPUS	Kentucky	940	525	415	3	21	36	26	10	2	0
ALICE LLOYD COLLEGE	Kentucky	914	347	567	6	23	37	24	8	2	0
BOWLING GREEN TECHNICAL COLLEGE	Kentucky	903	369	534	7	27	39	20	7	1	0
CENTRE COLLEGE	Kentucky	900	167	733	1	2	9	16	28	38	7
ITT TECHNICAL INSTITUTE-LEXINGTON	Kentucky	878	210	668	8	34	35	18	5	1	0
All Other Institutions		42,863	10,558	32,305	4	18	28	22	14	11	2
<b>Total</b>		<b>139,922</b>	<b>43,838</b>	<b>96,084</b>	<b>3</b>	<b>16</b>	<b>29</b>	<b>26</b>	<b>16</b>	<b>9</b>	<b>1</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: 48,845

**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>3,513</b>	<b>976,031</b>	<b>26.2</b>	<b>21.3</b>	<b>7.6</b>	<b>7.1</b>	<b>24.7</b>	<b>20.6</b>
Black/African American	238	114,263	20.9	16.4	7.0	6.3	20.2	16.3
American Indian/Alaska Native	5	6,408	20.8	16.8	6.8	6.2	19.8	16.5
White	2,585	520,054	26.8	23.1	7.7	7.3	25.2	22.1
Hispanic/Latino	161	167,575	24.3	18.5	7.4	6.9	23.2	18.4
Asian	180	61,663	27.4	23.7	8.0	7.7	26.0	22.9
Native Hawaiian/Other Pac. Isl.	8	3,742	22.6	17.7	7.8	6.6	22.3	17.6
Two or more races	150	39,565	26.0	21.4	7.7	7.1	24.7	20.7
Prefer not/No Response	186	62,761	26.4	21.6	7.4	7.1	24.7	20.9
Males	1,571	438,500	26.0	21.1	7.4	6.9	24.4	20.2
Females	1,942	530,240	26.4	21.6	7.8	7.3	25.0	21.1
Missing	0	7,291	.	16.0	.	5.9	.	15.7





