



# Profile Report - State

Graduating Class 2015

Ohio





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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

33% 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:** 91,607 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. 81% 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 2% of the cohort took less than three years of math courses. Of these students, 13% were college ready. 8% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 14% of these students were college ready. In comparison, 55% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 10% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 50% 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 41% 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

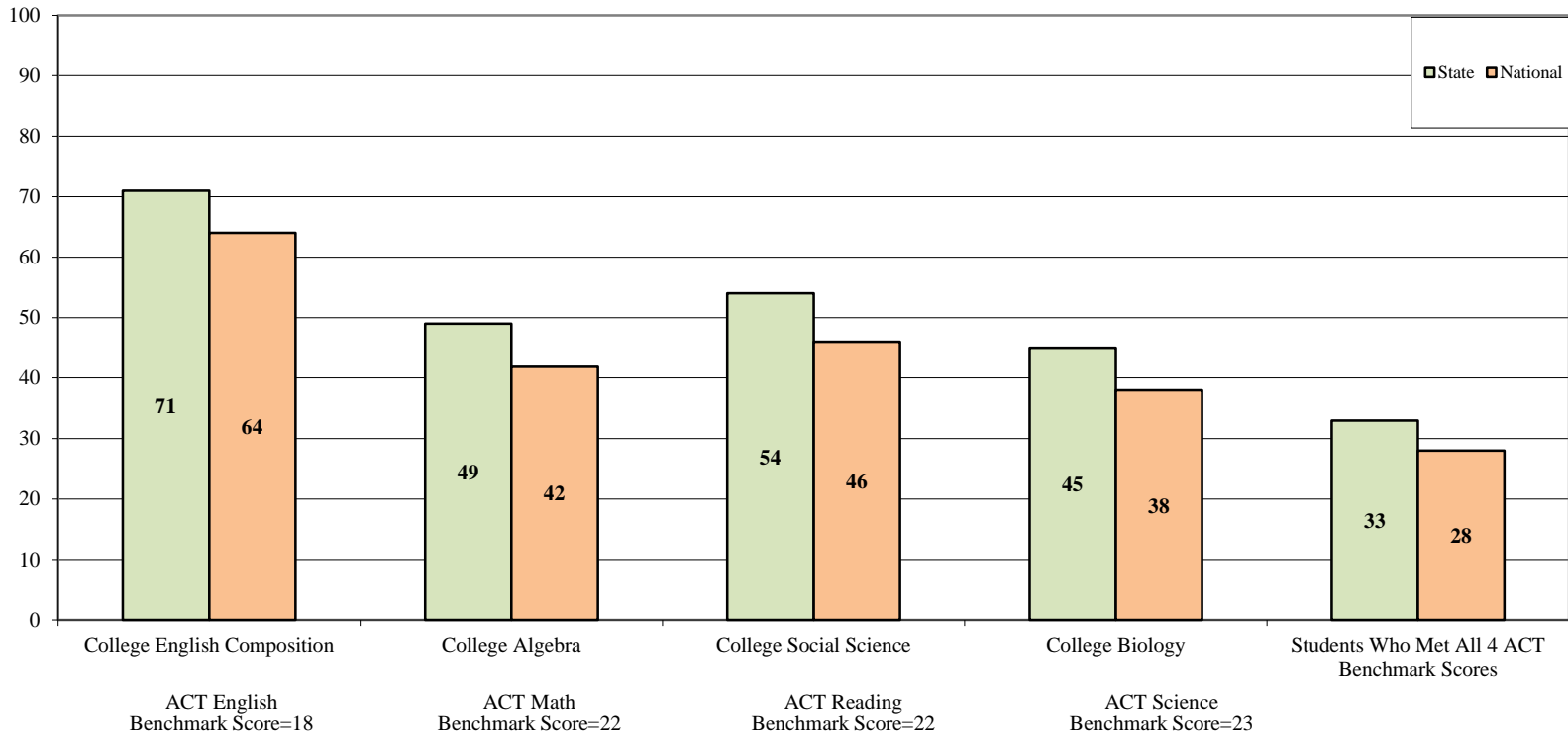
## Executive Summary

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: 91,607

**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	92,313	1,623,112	71	66	49	45	58	52	35	30	28	25
2012	92,121	1,666,017	71	67	49	46	58	52	34	31	28	25
2013	92,813	1,799,243	71	64	49	44	51	44	44	36	31	26
2014	91,089	1,845,787	72	64	50	43	52	44	45	37	32	26
<b>2015</b>	<b>91,607</b>	<b>1,924,436</b>	<b>71</b>	<b>64</b>	<b>49</b>	<b>42</b>	<b>54</b>	<b>46</b>	<b>45</b>	<b>38</b>	<b>33</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	92,313	1,623,112	21.1	20.6	21.5	21.1	22.1	21.3	21.8	20.9	21.8	21.1
2012	92,121	1,666,017	21.1	20.5	21.5	21.1	22.1	21.3	21.8	20.9	21.8	21.1
2013	92,813	1,799,243	21.2	20.2	21.5	20.9	22.2	21.1	21.8	20.7	21.8	20.9
2014	91,089	1,845,787	21.4	20.3	21.7	20.9	22.4	21.3	22.0	20.8	22.0	21.0
<b>2015</b>	<b>91,607</b>	<b>1,924,436</b>	<b>21.4</b>	<b>20.4</b>	<b>21.7</b>	<b>20.8</b>	<b>22.5</b>	<b>21.4</b>	<b>22.1</b>	<b>20.9</b>	<b>22.0</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: 91,607

**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	73,939	17,336	80	19	21.9	18.1	22.2	18.7	22.7	19.6	22.4	19.4	22.4	19.1
2012	75,197	16,111	82	17	21.8	18.1	22.2	18.8	22.7	19.6	22.3	19.4	22.4	19.1
2013	74,674	14,915	80	16	22.0	18.2	22.3	18.8	22.9	19.7	22.4	19.4	22.5	19.1
2014	74,060	13,932	81	15	22.1	18.4	22.4	19.1	23.0	20.0	22.6	19.7	22.7	19.4
<b>2015</b>	<b>74,019</b>	<b>13,918</b>	<b>81</b>	<b>15</b>	<b>22.1</b>	<b>18.5</b>	<b>22.4</b>	<b>19.1</b>	<b>23.2</b>	<b>20.1</b>	<b>22.7</b>	<b>19.7</b>	<b>22.7</b>	<b>19.5</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.

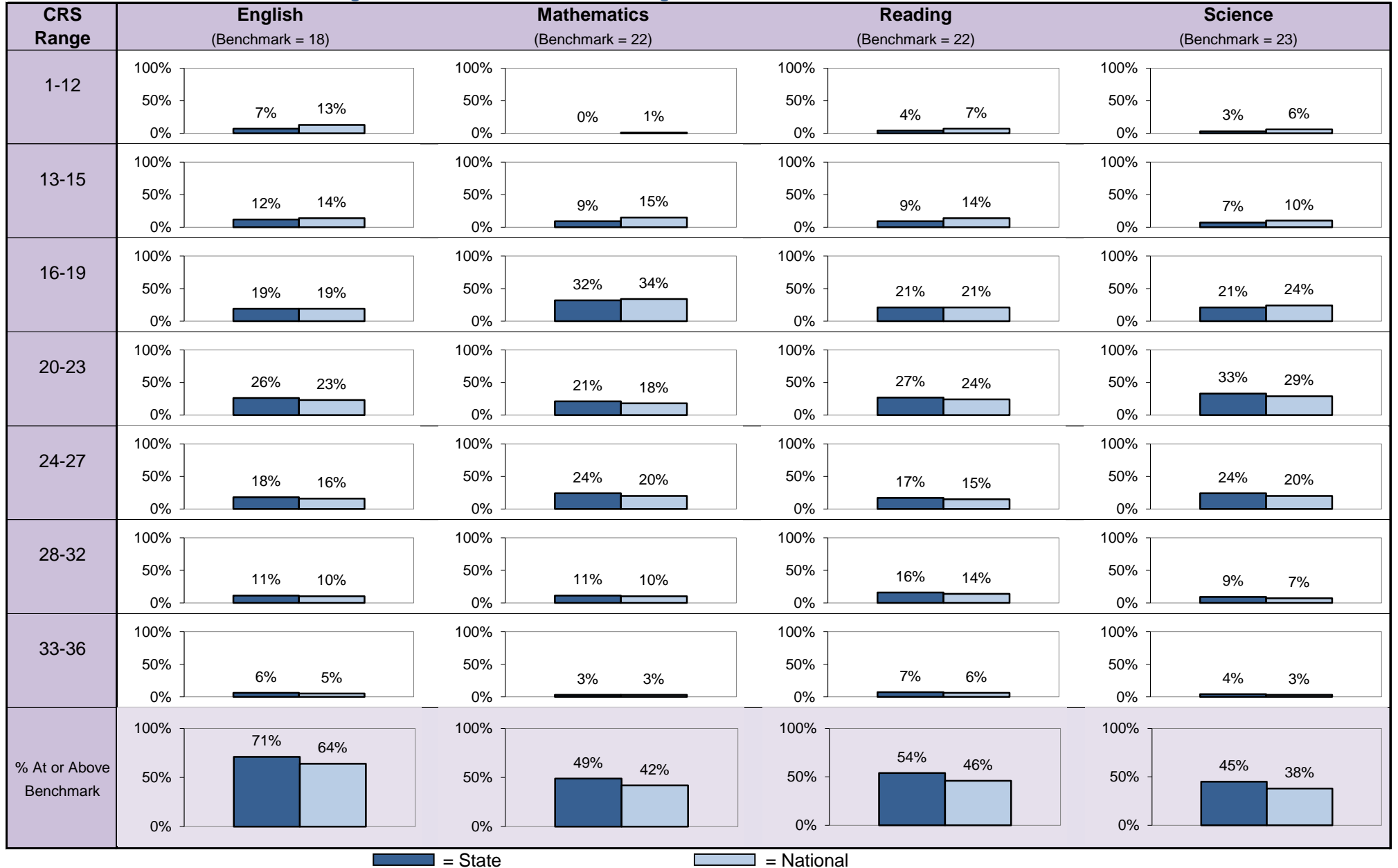
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**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>92,313</b>	<b>100</b>	<b>21.8</b>	<b>92,121</b>	<b>100</b>	<b>21.8</b>	<b>92,813</b>	<b>100</b>	<b>21.8</b>	<b>91,089</b>	<b>100</b>	<b>22.0</b>	<b>91,607</b>	<b>100</b>	<b>22.0</b>
Black/African American	11,222	12	17.2	11,256	12	17.1	10,894	12	17.2	10,296	11	17.4	10,333	11	17.5
American Indian/Alaska Native	254	0	19.9	242	0	19.6	211	0	19.7	185	0	20.0	196	0	19.5
White	70,327	76	22.5	68,715	75	22.6	67,959	73	22.6	66,313	73	22.8	66,162	72	22.9
Hispanic/Latino	2,869	3	20.1	3,308	4	20.1	3,378	4	20.3	3,562	4	20.4	3,723	4	20.6
Asian	1,713	2	24.4	1,756	2	24.4	1,816	2	24.2	1,953	2	24.5	1,992	2	24.3
Native Hawaiian/Other Pacific Islander	34	0	19.8	75	0	21.7	71	0	20.4	73	0	21.7	77	0	20.8
Two or more races	2,626	3	20.4	3,315	4	20.8	3,515	4	20.9	3,539	4	21.2	3,741	4	21.1
Prefer not to respond/No response	3,268	4	22.1	3,454	4	22.4	4,969	5	21.7	5,168	6	21.6	5,383	6	21.4

Total Students in Report: 91,607

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



Total Students in Report: 91,607

**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	87,304	95	21.5	21.9	22.7	22.2	22.2
	Extended Time	4,303	5	17.6	18.6	20.1	19.3	19.0
	Total	91,607	100	21.4	21.7	22.5	22.1	22.0
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	72	51	54	46	34
	Extended Time	46	25	38	27	17
	Total	71	49	54	45	33
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: 91,607

**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	368	100	269	100	726	100	549	100	68	100	36
35	1,339	100	493	100	969	99	824	99	455	100	35
34	1,855	98	979	99	1,759	98	1,069	99	793	99	34
33	1,570	96	838	98	2,610	96	918	97	1,091	99	33
32	1,977	94	1,032	97	2,691	93	1,557	96	1,540	97	32
31	1,671	92	1,186	96	2,874	90	882	95	1,824	96	31
30	1,874	90	1,858	95	3,399	87	1,710	94	2,422	94	30
29	2,158	88	2,161	93	2,956	84	1,650	92	2,843	91	29
28	2,786	86	4,140	90	3,194	80	2,544	90	3,524	88	28
27	2,643	83	4,692	86	3,406	77	3,208	87	4,127	84	27
26	3,870	80	5,729	81	3,517	73	4,965	84	4,561	80	26
25	5,091	76	5,259	74	3,611	69	6,717	78	5,376	75	25
24	4,772	70	6,378	69	4,751	65	7,486	71	5,805	69	24
23	5,855	65	5,846	62	6,506	60	7,549	63	6,220	62	23
22	5,337	59	4,478	55	6,197	53	7,069	55	6,638	56	22
21	6,609	53	4,276	51	6,295	46	7,963	47	6,746	48	21
20	6,194	46	4,330	46	5,589	39	7,368	38	6,527	41	20
19	4,705	39	5,790	41	5,736	33	5,764	30	6,400	34	19
18	4,522	34	6,389	35	4,988	27	5,950	24	5,919	27	18
17	3,998	29	8,485	28	4,227	22	3,563	17	5,255	20	17
16	4,354	24	8,591	19	3,856	17	3,751	13	4,468	15	16
15	5,800	20	5,218	9	3,344	13	2,729	9	3,456	10	15
14	3,352	13	2,141	3	2,795	9	1,896	6	2,548	6	14
13	2,221	10	713	1	2,360	6	1,518	4	1,748	3	13
12	1,996	7	215	1	1,772	4	1,122	3	852	1	12
11	1,863	5	83	1	703	2	613	1	283	1	11
10	1,418	3	24	1	437	1	364	1	80	1	10
9	664	2	1	1	167	1	171	1	26	1	9
8	401	1	10	1	91	1	72	1	8	1	8
7	220	1	0	1	36	1	36	1	2	1	7
6	76	1	2	1	22	1	12	1	1	1	6
5	36	1	0	1	8	1	6	1	1	1	5
4	8	1	0	1	10	1	5	1	0	1	4
3	2	1	0	1	3	1	5	1	0	1	3
2	2	1	0	1	1	1	1	1	0	1	2
1	0	1	1	1	1	1	1	1	0	1	1
Avg (SD)	21.4 (6.2)		21.7 (5.1)		22.5 (6.1)		22.1 (5.1)		22.0 (5.1)		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: 91,607

**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	3,587	100	1,317	100	3,134	100	3,666	100	3,223	100	656	100	847	100	18
17	5,432	96	2,227	99	5,016	97	5,226	96	3,602	96	923	99	395	99	17
16	3,665	90	5,450	96	6,354	91	5,966	90	6,341	93	2,318	98	4,107	99	16
15	4,996	86	7,058	90	6,450	84	7,789	84	5,743	86	6,014	96	5,799	94	15
14	4,551	81	6,482	82	6,710	77	7,262	75	6,969	79	9,517	89	9,287	88	14
13	5,608	76	8,419	75	8,796	70	7,139	67	8,053	72	9,465	79	8,763	78	13
12	6,853	70	9,242	66	8,902	60	8,168	60	10,528	63	9,219	68	10,047	68	12
11	10,011	62	10,345	56	9,114	50	8,139	51	7,360	51	13,137	58	10,328	57	11
10	10,366	51	9,749	45	10,823	41	8,081	42	7,812	43	12,187	44	12,192	46	10
9	8,192	40	10,159	34	7,480	29	8,079	33	8,483	35	12,316	31	12,047	33	9
8	7,939	31	8,267	23	7,906	21	5,595	24	8,512	26	7,787	17	7,922	19	8
7	7,027	22	4,485	14	5,609	12	5,675	18	9,158	16	4,130	9	4,129	11	7
6	5,359	15	3,635	9	2,808	6	5,582	12	3,536	6	1,562	4	2,649	6	6
5	4,086	9	2,646	5	1,422	3	3,129	6	1,487	2	1,242	3	1,513	3	5
4	2,341	4	1,498	2	581	1	1,487	2	546	1	458	1	751	2	4
3	1,155	2	517	1	251	1	458	1	180	1	485	1	514	1	3
2	379	1	102	1	178	1	154	1	68	1	36	1	45	1	2
1	60	1	9	1	73	1	12	1	6	1	155	1	272	1	1
Avg (SD)	10.7 (3.8)		11.0 (3.3)		11.6 (3.4)		11.4 (3.7)		11.3 (3.4)		11.0 (2.8)		11.0 (3.0)		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)	25	26	27	25	26
Q2 (50th Percentile)	21	21	22	22	22
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 91,607

**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>91,607</b>	<b>81</b>	<b>22.7</b>	<b>19.5</b>
	Black/African American	10,333	75	18.0	16.3
	American Indian/Alaska Native	196	71	20.2	18.3
	White	66,162	84	23.4	20.2
	Hispanic/Latino	3,723	78	21.3	18.5
	Asian	1,992	86	24.9	21.0
	Native Hawaiian/Other Pac. Isl.	77	77	22.1	16.7
	Two or more races	3,741	80	21.7	18.8
	Prefer not/No Response	5,383	56	23.5	19.8
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>	21.4	21.7	22.5	22.1	22.0
	Black/African American	16.3	17.6	17.8	17.8	17.5
	American Indian/Alaska Native	18.1	19.3	20.3	19.9	19.5
	White	22.3	22.5	23.4	22.9	22.9
	Hispanic/Latino	19.7	20.4	21.1	20.7	20.6
	Asian	23.5	25.2	23.9	24.1	24.3
	Native Hawaiian/Other Pac. Isl.	19.7	21.3	20.7	21.0	20.8
	Two or more races	20.3	20.6	21.7	21.1	21.1
	Prefer not/No Response	20.7	21.0	22.0	21.3	21.4
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: 91,607

**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	5,132	6	2,579	3	6,064	7	3,360	4
	28 to 32	10,466	11	10,377	11	15,114	16	8,343	9
	24 to 27	16,376	18	22,058	24	15,285	17	22,376	24
	20 to 23	23,995	26	18,930	21	24,587	27	29,949	33
	16 to 19	17,579	19	29,255	32	18,807	21	19,028	21
	13 to 15	11,373	12	8,072	9	8,499	9	6,143	7
	01 to 12	6,686	7	336	0	3,251	4	2,408	3
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	42,743	47	21.1	22.4	22.6	22.7	22.3
	Females	48,594	53	21.6	21.1	22.5	21.6	21.8
	Missing	270	0	15.3	16.9	16.5	16.7	16.4
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	70	55	54	51	37
	Females	73	45	53	41	30
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 91,607

**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>	74,019	76	22.1	55	22.4	58	23.2	51	22.7	38	22.7
	Less than Core	13,918	52	18.5	26	19.1	36	20.1	24	19.7	15	19.5
	Missing <sup>3</sup>	3,670	40	16.7	20	18.0	30	18.9	23	18.5	12	18.1
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>	86,291	73	21.6	86,099	52	22.0	84,070	55	22.7	79,049	50	22.6
	Less than Core	1,804	51	18.0	1,933	13	17.3	3,975	44	21.2	8,977	17	18.9
	Missing <sup>3</sup>	3,512	41	16.8	3,575	20	18.0	3,562	31	19.0	3,581	23	18.5
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

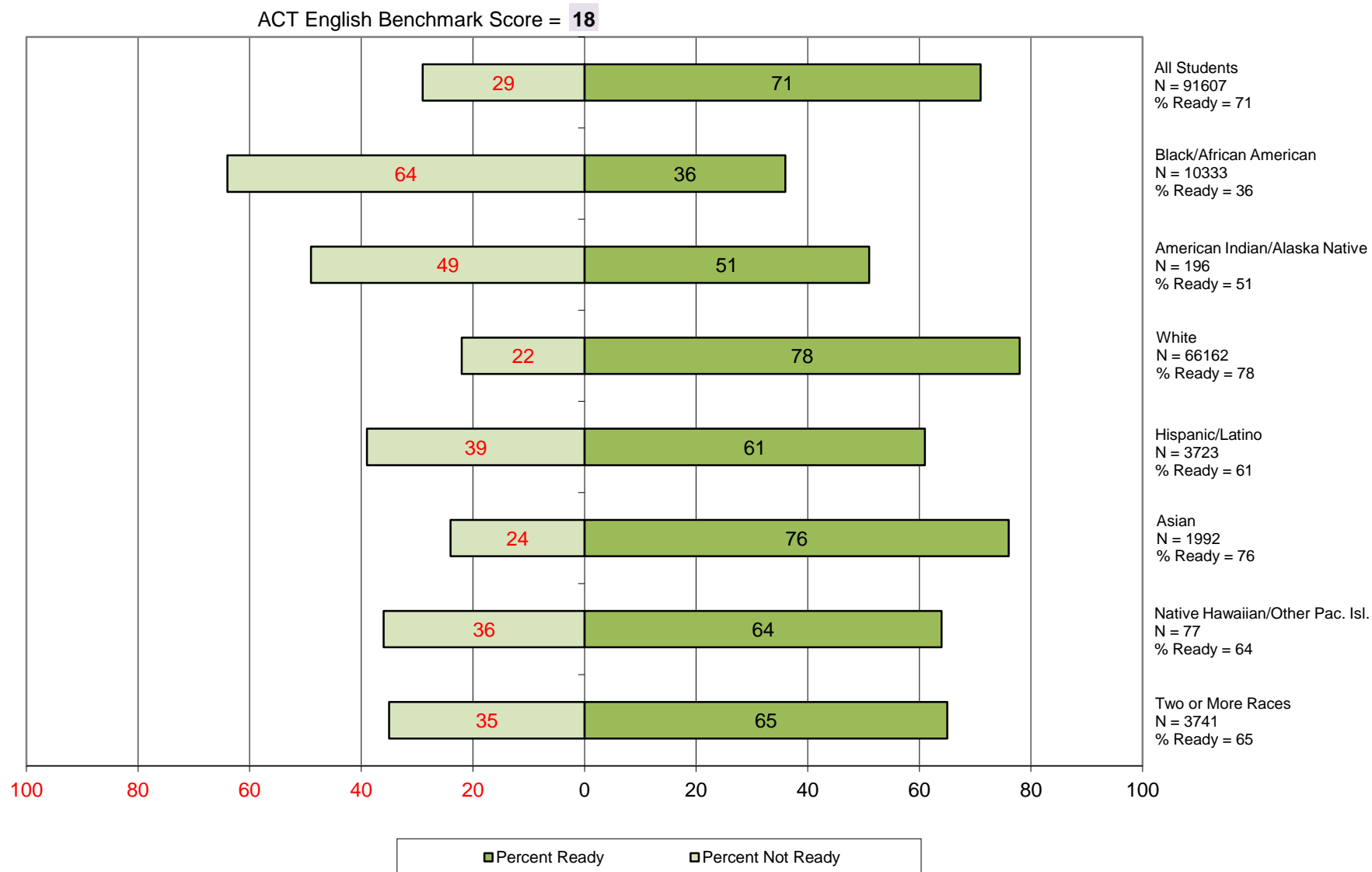


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

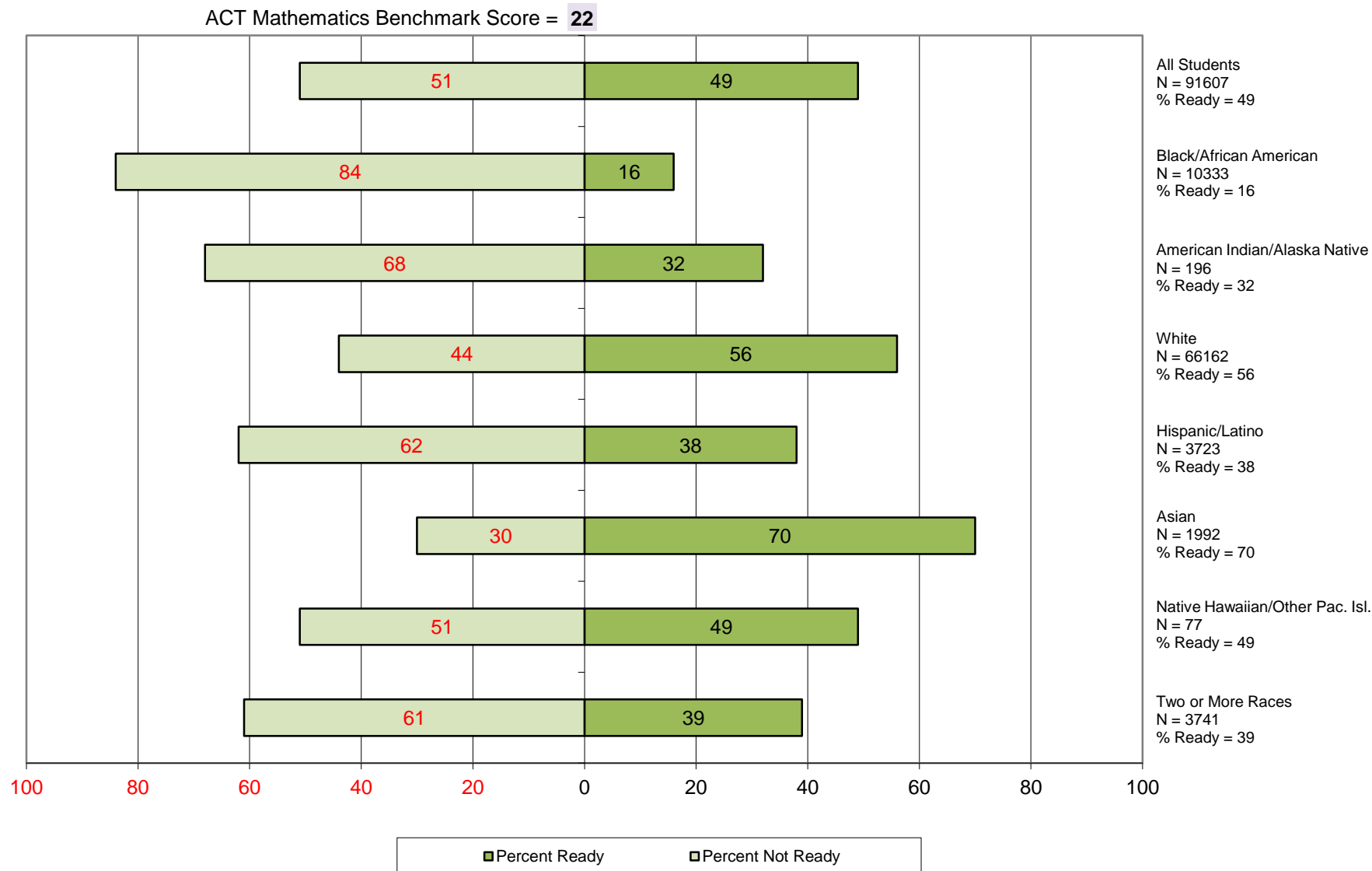


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

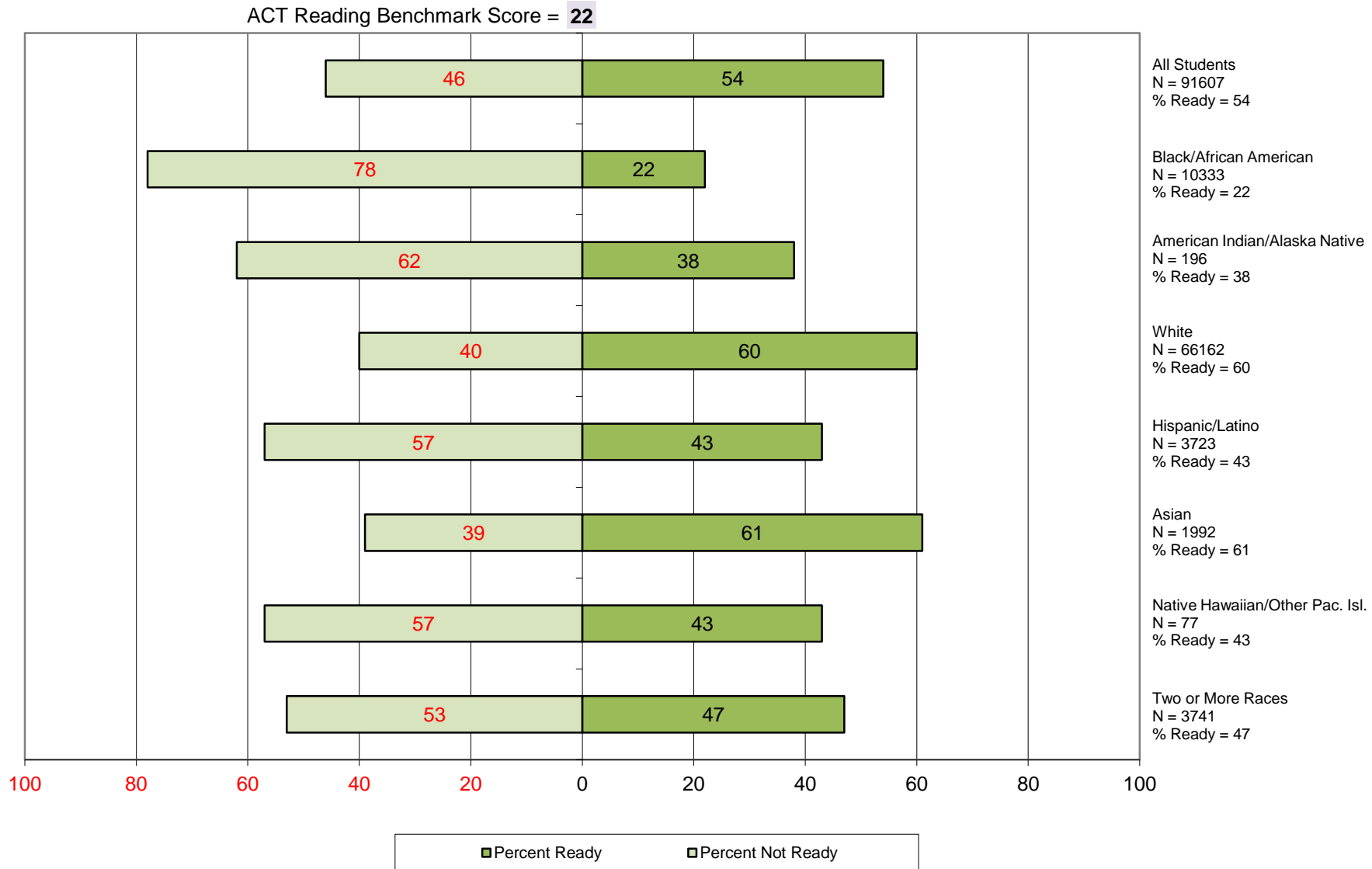


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

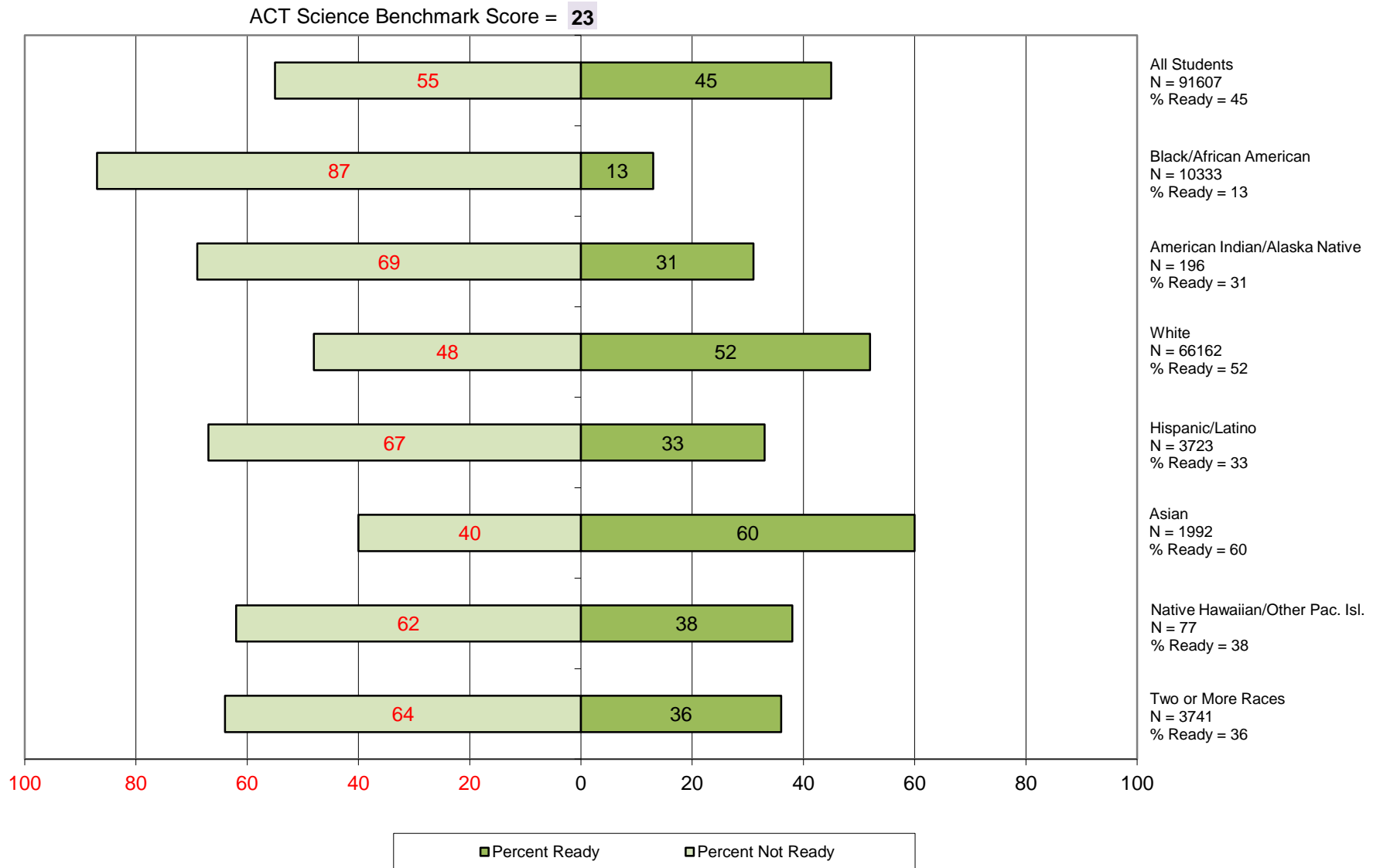
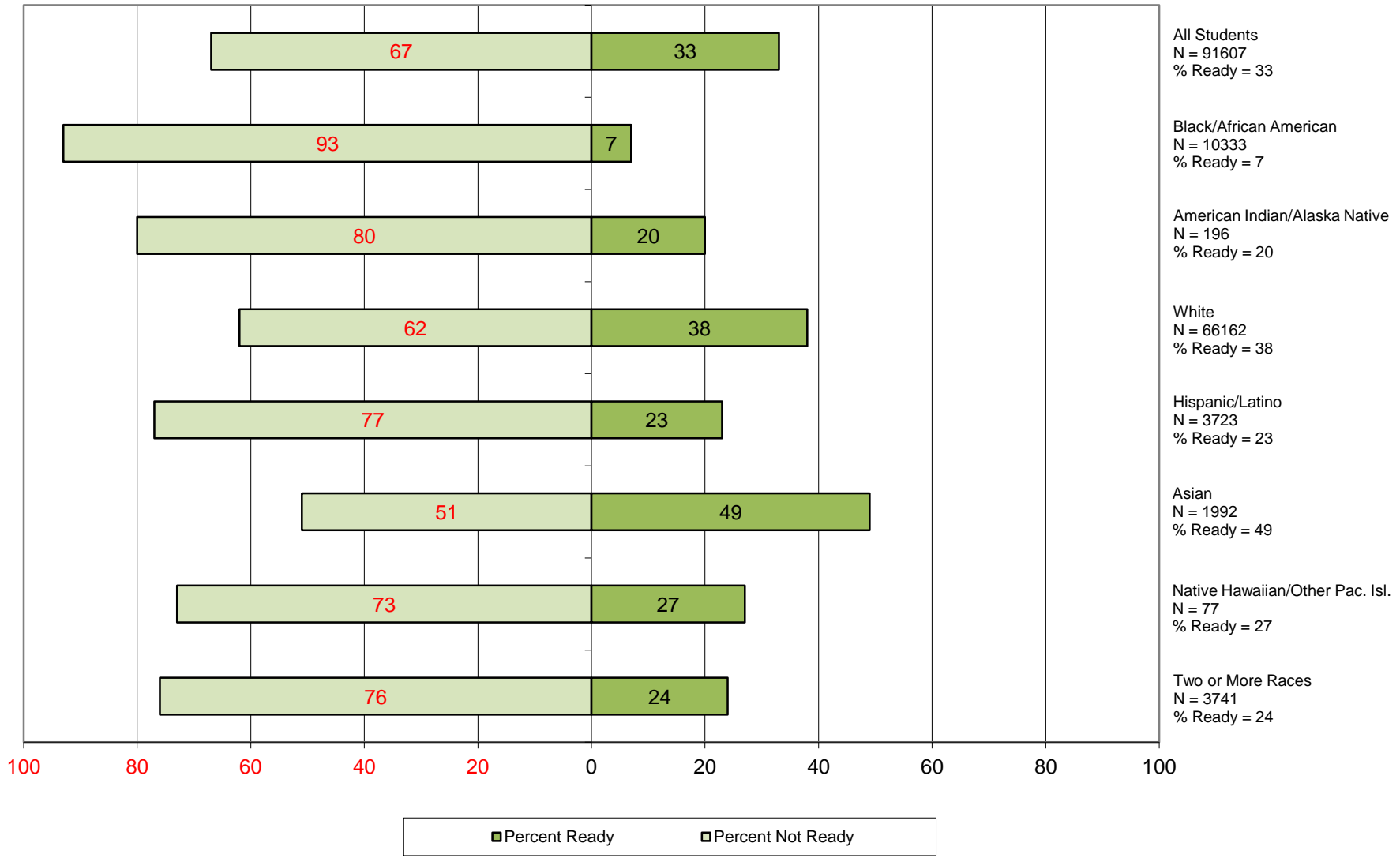


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 91,607

**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	20,931	23	22.6	4.6	8,767	21	22.2	4.5	12,158	25	22.8	4.5
Eng 9, Eng 10, Eng 11, Eng 12	65,360	71	21.3	3.3	31,178	73	21.2	3.5	34,118	70	21.4	3.1
Less than 4 years of English	1,804	2	18.0	-	886	2	17.7	-	899	2	18.3	-
Zero years / no English courses reported	3,512	4	16.8	-	1,912	4	16.7	-	1,419	3	17.0	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	5,622	6	24.3	7.0	2,662	6	24.9	7.4	2,955	6	23.7	6.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,827	9	21.8	4.5	3,213	8	22.4	4.9	4,602	9	21.4	4.1
Alg 1, Alg 2, Geom, & Trig	5,307	6	19.9	2.6	2,314	5	20.4	2.9	2,977	6	19.6	2.3
Alg 1, Alg 2, Geom, & Other Adv Math	19,943	22	19.8	2.5	8,004	19	20.2	2.7	11,923	25	19.6	2.3
Other comb of 4 or more years of Math	35,495	39	24.2	6.9	18,285	43	24.8	7.3	17,194	35	23.5	6.2
Alg 1, Alg 2, & Geom	7,692	8	17.7	0.4	3,423	8	18.1	0.6	4,261	9	17.5	0.2
Other comb of 3 or 3.5 years of Math	4,213	5	21.0	3.7	2,040	5	21.5	4.0	2,167	4	20.5	3.2
Less than 3 years of Math	1,933	2	17.3	-	859	2	17.5	-	1,065	2	17.3	-
Zero years / no Math courses reported	3,575	4	18.0	-	1,943	5	18.3	-	1,450	3	17.7	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	4,604	5	22.8	1.6	2,435	6	22.9	1.5	2,161	4	22.7	1.6
Other comb of 4 or more years Social Science	43,728	48	23.3	2.1	20,175	47	23.3	1.9	23,530	48	23.2	2.1
US Hist, World Hist, & Am Gov	10,361	11	20.8	-0.4	4,907	11	21.0	-0.4	5,436	11	20.7	-0.4
Other comb of 3 or 3.5 years of Social Science	25,377	28	22.7	1.5	11,332	27	22.9	1.5	14,022	29	22.5	1.4
Less than 3 years of Social Science	3,975	4	21.2	-	1,956	5	21.4	-	2,003	4	21.1	-
Zero years / no Social Science courses reported	3,562	4	19.0	-	1,938	5	18.9	-	1,442	3	19.4	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	47,316	52	23.4	4.5	23,207	54	24.1	5.1	24,078	50	22.7	3.9
Bio, Chem, Phys	5,718	6	25.5	6.6	2,843	7	26.1	7.1	2,874	6	25.0	6.2
Gen Sci <sup>2</sup> , Bio, Chem	23,970	26	20.5	1.6	9,580	22	20.8	1.8	14,351	30	20.4	1.6
Other comb of 3 years of Natural Science	2,045	2	19.6	0.7	1,171	3	20.2	1.2	872	2	18.7	-0.1
Less than 3 years of Natural Science	8,977	10	18.9	-	3,999	9	19.0	-	4,963	10	18.8	-
Zero years / no Natural Science courses reported	3,581	4	18.5	-	1,943	5	18.8	-	1,456	3	18.3	-

<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: 91,607

**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	20,931	23	22.6	78	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	65,360	71	21.3	71	1,359,318	71	20.6	65
Less than 4 years of English	1,804	2	18.0	51	93,944	5	15.9	36
Zero years / no English courses reported	3,512	4	16.8	41	98,029	5	16.5	40
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	5,622	6	24.3	72	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,827	9	21.8	54	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	5,307	6	19.9	35	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	19,943	22	19.8	34	362,476	19	19.4	30
Other comb of 4 or more years of Math	35,495	39	24.2	69	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	7,692	8	17.7	14	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	4,213	5	21.0	44	95,502	5	19.8	34
Less than 3 years of Math	1,933	2	17.3	13	78,951	4	16.3	8
Zero years / no Math courses reported	3,575	4	18.0	20	102,364	5	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	4,604	5	22.8	54	48,944	3	22.3	51
Other comb of 4 or more years Social Science	43,728	48	23.3	59	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	10,361	11	20.8	41	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	25,377	28	22.7	54	527,956	27	21.4	46
Less than 3 years of Social Science	3,975	4	21.2	44	194,720	10	19.5	34
Zero years / no Social Science courses reported	3,562	4	19.0	31	102,027	5	18.1	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	47,316	52	23.4	57	807,744	42	22.2	48
Bio, Chem, Phys	5,718	6	25.5	75	217,893	11	23.2	55
Gen Sci <sup>1</sup> , Bio, Chem	23,970	26	20.5	31	512,754	27	20.1	30
Other comb of 3 years of Natural Science	2,045	2	19.6	24	54,439	3	19.1	24
Less than 3 years of Natural Science	8,977	10	18.9	17	227,926	12	18.1	18
Zero years / no Natural Science courses reported	3,581	4	18.5	23	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: 91,607

**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	1,117	1	20.6	187	5	18.1	873	1	21.2
Architecture	827	1	22.2	22	1	16.9	744	1	22.5
Area, Ethnic, & Multidisciplinary Studies	67	0	22.5	2	0	20.5	60	0	22.8
Arts: Visual & Performing	5,478	6	21.3	293	8	17.7	4,814	6	21.7
Business	9,218	10	21.6	453	12	17.4	8,331	10	22.0
Communications	1,678	2	21.7	39	1	16.4	1,544	2	22.0
Community, Family, & Personal Services	1,826	2	19.1	199	5	16.7	1,533	2	19.5
Computer Science & Mathematics	2,963	3	23.6	131	3	19.7	2,663	3	23.9
Education	5,287	6	21.2	114	3	17.3	4,971	6	21.4
Engineering	7,694	8	24.9	158	4	18.0	7,143	9	25.1
Engineering Technology & Drafting	1,060	1	21.1	80	2	17.7	895	1	21.7
English & Foreign Languages	1,027	1	24.2	11	0	19.9	967	1	24.3
Health Administration & Assisting	3,279	4	19.0	282	7	16.9	2,788	3	19.4
Health Sciences & Technologies	16,973	19	21.9	597	16	18.0	15,683	20	22.1
Philosophy, Religion, & Theology	352	0	22.5	8	0	19.6	325	0	22.6
Repair, Production, & Construction	573	1	18.3	266	7	18.0	257	0	19.0
Sciences: Biological & Physical	5,620	6	24.4	53	1	18.3	5,345	7	24.5
Social Sciences & Law	6,438	7	22.0	137	4	17.5	5,935	7	22.3
Undecided	17,115	19	22.4	667	17	17.8	14,548	18	22.7
No Response	2,963	3	18.0	97	3	14.1	244	0	18.1

<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: 91,607

**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	769	17.5	159	14.4	4	16.5	487	18.7	31	16.7
2-yr College Degree	3,046	17.6	381	15.1	10	15.1	2,227	18.2	156	16.7
Bachelors Degree	49,122	21.2	5,097	17.1	102	19.4	37,779	21.9	1,907	19.9
Graduate Study	13,564	24.7	1,037	19.6	17	21.6	10,551	25.3	485	22.9
Prof. Level Degree	17,002	24.4	2,155	19.7	31	23.5	11,568	25.2	777	23.0
Other	1,031	19.0	159	15.1	6	18.7	660	20.0	54	18.1
No Response	7,073	20.1	1,345	15.5	26	16.1	2,890	22.8	313	18.1

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	769	17.5	27	17.2	1	17.0	21	16.2	39	17.8
2-yr College Degree	3,046	17.6	28	15.1	2	13.5	121	17.6	121	16.9
Bachelors Degree	49,122	21.2	644	21.4	45	20.5	1,959	20.1	1,589	21.1
Graduate Study	13,564	24.7	302	25.9	8	22.3	536	23.2	628	25.2
Prof. Level Degree	17,002	24.4	784	27.1	16	23.6	813	23.2	858	25.0
Other	1,031	19.0	29	17.9	3	19.0	47	19.3	73	19.0
No Response	7,073	20.1	178	23.1	2	12.5	244	19.8	2,075	19.4

Total Students in Report: 91,607

**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
OHIO STATE UNIVERSITY THE	Ohio	19,403	8,215	11,188	1	5	16	26	29	21	3
UNIVERSITY OF CINCINNATI	Ohio	12,857	4,523	8,334	1	6	18	29	27	16	2
OHIO UNIVERSITY	Ohio	11,460	3,316	8,144	0	4	21	36	26	11	1
KENT STATE UNIVERSITY	Ohio	11,157	3,674	7,483	2	10	28	34	19	7	0
UNIVERSITY OF AKRON	Ohio	8,255	2,732	5,523	2	11	27	31	20	9	1
BOWLING GREEN STATE UNIVERSITY	Ohio	8,245	2,432	5,813	1	8	27	35	20	8	0
MIAMI UNIVERSITY	Ohio	7,835	1,998	5,837	0	3	11	25	34	24	3
UNIVERSITY OF TOLEDO	Ohio	5,639	1,763	3,876	1	9	26	29	22	11	1
WRIGHT STATE UNIVERSITY	Ohio	4,774	1,566	3,208	2	10	27	31	21	9	1
CLEVELAND STATE UNIVERSITY	Ohio	4,012	1,387	2,625	3	14	32	27	17	7	1
UNIVERSITY OF DAYTON	Ohio	3,167	634	2,533	0	3	11	24	33	24	4
YOUNGSTOWN STATE UNIVERSITY	Ohio	2,307	946	1,361	2	13	32	30	16	7	0
NCAA ELIGIBILITY CENTER	Indiana	2,127	1,125	1,002	1	7	25	32	23	10	2
NORTHERN KENTUCKY UNIVERSITY	Kentucky	2,080	444	1,636	2	10	30	33	18	7	0
UNIVERSITY OF KENTUCKY	Kentucky	1,958	419	1,539	1	6	17	29	29	17	1
ASHLAND UNIVERSITY	Ohio	1,830	571	1,259	1	6	27	36	21	9	0
CASE WESTERN RESERVE UNIV	Ohio	1,778	458	1,320	1	3	8	15	26	37	10
XAVIER UNIVERSITY-OH	Ohio	1,776	292	1,484	1	5	17	28	30	17	2
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	1,736	642	1,094	3	16	33	29	14	4	0
CAPITAL UNIVERSITY	Ohio	1,558	408	1,150	1	6	22	32	26	12	1
BALDWIN WALLACE UNIVERSITY	Ohio	1,528	413	1,115	2	9	22	30	24	12	1
UNIVERSITY OF FINDLAY THE	Ohio	1,444	397	1,047	0	4	18	34	31	12	0
OHIO NORTHERN UNIVERSITY	Ohio	1,431	390	1,041	0	3	11	28	34	22	3
SHAWNEE STATE UNIVERSITY	Ohio	1,422	598	824	1	14	33	33	15	4	0
OTTERBEIN UNIVERSITY	Ohio	1,352	296	1,056	1	5	20	30	28	16	1
UNIVERSITY OF MOUNT UNION	Ohio	1,283	336	947	0	6	24	34	25	10	0
SINCLAIR COMMUNITY COLLEGE	Ohio	1,155	368	787	2	14	34	31	15	4	0
CINCINNATI STATE TECH & COMM COLLEGE	Ohio	980	279	701	6	24	38	22	8	2	0
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	937	219	718	0	2	8	15	22	37	16
JOHN CARROLL UNIVERSITY	Ohio	934	192	742	1	4	17	31	30	15	1
All Other Institutions		69,673	19,075	50,598	2	9	23	26	21	16	4
<b>Total</b>		<b>196,093</b>	<b>60,108</b>	<b>135,985</b>	<b>1</b>	<b>8</b>	<b>22</b>	<b>29</b>	<b>23</b>	<b>15</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: 91,607

**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>49,129</b>	<b>1,108,908</b>	<b>21.7</b>	<b>21.0</b>	<b>6.9</b>	<b>6.9</b>	<b>20.7</b>	<b>20.2</b>
Black/African American	6,841	136,380	16.4	16.3	6.0	6.0	16.0	15.9
American Indian/Alaska Native	114	7,142	18.4	16.5	6.4	5.9	17.8	16.0
White	32,973	567,060	22.9	22.8	7.1	7.1	21.8	21.8
Hispanic/Latino	2,243	196,970	19.9	18.4	6.7	6.7	19.3	18.1
Asian	1,441	68,736	24.3	23.9	7.4	7.6	23.1	23.0
Native Hawaiian/Other Pac. Isl.	40	4,070	20.0	18.0	6.8	6.5	19.4	17.6
Two or more races	2,219	45,517	20.6	21.3	6.7	6.9	19.7	20.4
Prefer not/No Response	3,258	83,033	21.3	20.8	6.7	6.7	20.2	19.9
Males	22,816	507,737	21.6	20.7	6.7	6.6	20.5	19.7
Females	26,151	590,537	21.8	21.4	7.1	7.1	20.9	20.8
Missing	162	10,634	16.0	16.0	5.8	5.6	15.6	15.4





