

# ACT Profile Report - State

Graduating Class 2014

Ohio





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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

32% 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:** 91,089 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, 11% were college ready. 9% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 14% of these students were college ready. In comparison, 57% 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. 18% of these students were college ready. In comparison, 49% 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 40% 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

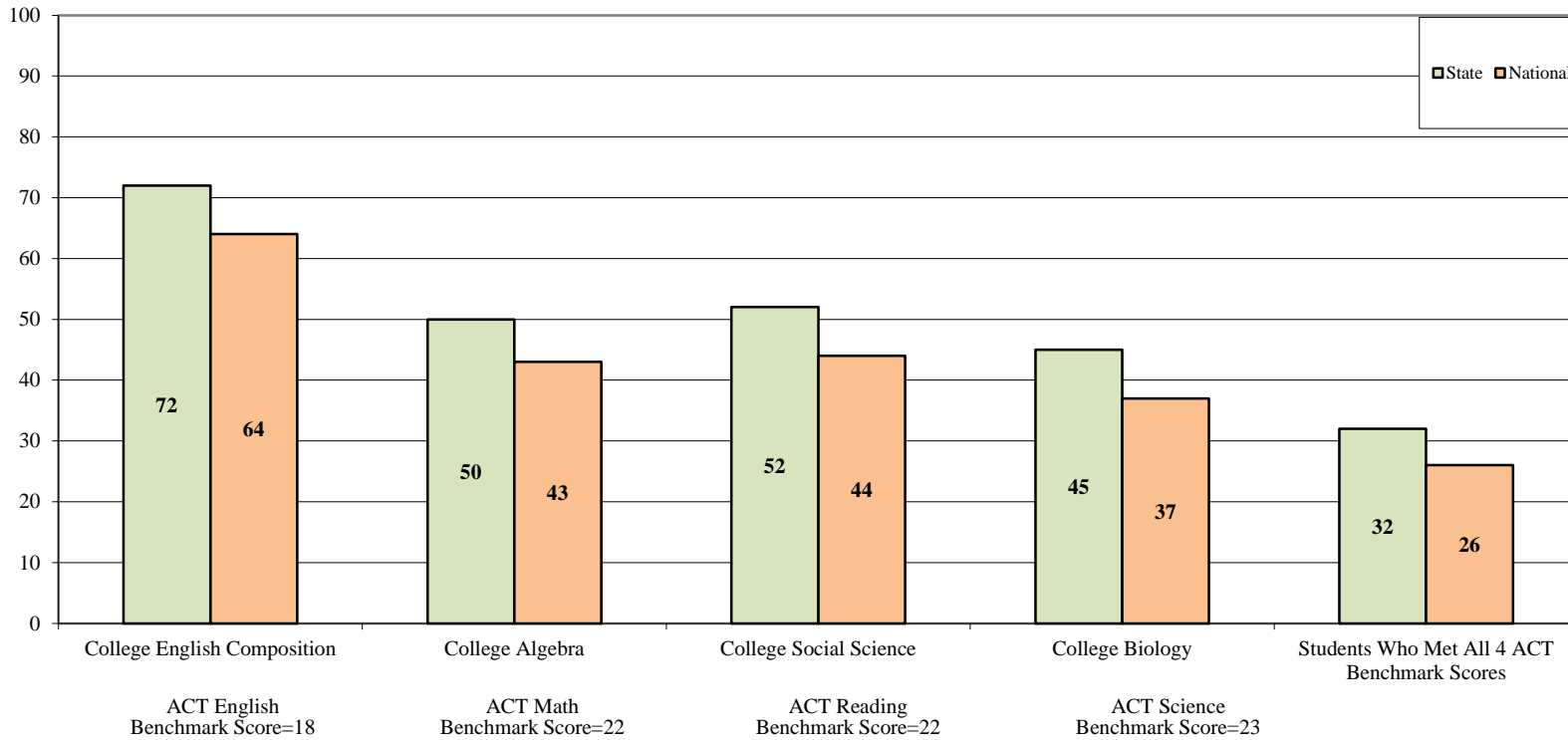
## Executive Summary

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: 91,089

**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	89,275	1,568,835	72	66	48	43	58	52	34	29	28	24
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
<b>2014</b>	<b>91,089</b>	<b>1,845,787</b>	<b>72</b>	<b>64</b>	<b>50</b>	<b>43</b>	<b>52</b>	<b>44</b>	<b>45</b>	<b>37</b>	<b>32</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	89,275	1,568,835	21.2	20.5	21.5	21.0	22.1	21.3	21.8	20.9	21.8	21.0
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
<b>2014</b>	<b>91,089</b>	<b>1,845,787</b>	<b>21.4</b>	<b>20.3</b>	<b>21.7</b>	<b>20.9</b>	<b>22.4</b>	<b>21.3</b>	<b>22.0</b>	<b>20.8</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
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>

Total Students in Report: 91,089

**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	69,962	18,169	78	20	22.0	18.5	22.3	19.0	22.8	19.9	22.5	19.7	22.5	19.4
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
<b>2014</b>	<b>74,060</b>	<b>13,932</b>	<b>81</b>	<b>15</b>	<b>22.1</b>	<b>18.4</b>	<b>22.4</b>	<b>19.1</b>	<b>23.0</b>	<b>20.0</b>	<b>22.6</b>	<b>19.7</b>	<b>22.7</b>	<b>19.4</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**

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>89,275</b>	<b>100</b>	<b>21.8</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>
Black/African American	10,198	11	17.3	11,222	12	17.2	11,256	12	17.1	10,894	12	17.2	10,296	11	17.4
American Indian/Alaska Native	250	0	20.9	254	0	19.9	242	0	19.6	211	0	19.7	185	0	20.0
White	69,790	78	22.5	70,327	76	22.5	68,715	75	22.6	67,959	73	22.6	66,313	73	22.8
Hispanic/Latino	1,861	2	20.3	2,869	3	20.1	3,308	4	20.1	3,378	4	20.3	3,562	4	20.4
Asian	1,650	2	24.3	1,713	2	24.4	1,756	2	24.4	1,816	2	24.2	1,953	2	24.5
Native Hawaiian/Other Pacific Islander	0	0	.	34	0	19.8	75	0	21.7	71	0	20.4	73	0	21.7
Two or more races	2,230	2	20.7	2,626	3	20.4	3,315	4	20.8	3,515	4	20.9	3,539	4	21.2
Prefer not to respond/No response	3,296	4	21.9	3,268	4	22.1	3,454	4	22.4	4,969	5	21.7	5,168	6	21.6

Total Students in Report: 91,089

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

CRS Range	English (Benchmark = 18)	Mathematics (Benchmark = 22)	Reading (Benchmark = 22)	Science (Benchmark = 23)
1-12	7% 13%	0% 1%	4% 7%	3% 6%
13-15	12% 14%	9% 14%	9% 13%	6% 10%
16-19	18% 18%	31% 33%	21% 22%	21% 24%
20-23	27% 23%	21% 18%	28% 24%	33% 29%
24-27	19% 16%	25% 21%	17% 14%	25% 20%
28-32	11% 10%	11% 9%	16% 14%	8% 7%
33-36	5% 5%	3% 3%	6% 5%	4% 3%
% At or Above Benchmark	72% 64%	50% 43%	52% 44%	45% 37%

= State
  = National

Total Students in Report: 91,089

**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	87,284	96	21.6	21.9	22.5	22.2	22.2
	Extended Time	3,805	4	17.2	18.3	19.8	19.2	18.8
	Total	91,089	100	21.4	21.7	22.4	22.0	22.0
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	73	52	52	46	33
	Extended Time	42	23	35	25	16
	Total	72	50	52	45	32
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: 91,089

**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	312	100	255	100	656	100	631	100	77	100	36
35	1,410	100	662	100	784	99	787	99	392	100	35
34	1,490	98	925	99	1,771	98	1,014	98	770	99	34
33	1,667	96	1,028	98	1,949	96	1,071	97	1,060	99	33
32	1,563	95	999	97	3,256	94	846	96	1,429	97	32
31	1,581	93	1,120	96	2,652	91	1,520	95	1,765	96	31
30	2,548	91	1,569	95	3,027	88	1,531	94	2,268	94	30
29	1,974	88	2,631	93	2,739	85	1,374	92	2,790	91	29
28	2,724	86	3,528	90	2,996	82	2,333	90	3,452	88	28
27	2,825	83	4,383	86	3,180	78	4,138	88	4,141	85	27
26	3,974	80	5,892	81	3,429	75	3,947	83	4,516	80	26
25	4,810	76	5,738	75	3,646	71	6,981	79	5,249	75	25
24	5,592	70	6,555	68	5,227	67	7,294	71	5,949	69	24
23	4,871	64	5,766	61	6,297	61	7,452	63	6,416	63	23
22	6,257	59	4,874	55	5,499	54	8,349	55	6,723	56	22
21	6,752	52	3,719	50	7,876	48	6,908	46	6,923	48	21
20	6,551	45	4,597	45	5,470	40	7,300	38	6,656	41	20
19	4,492	38	4,703	40	6,156	34	7,023	30	6,259	33	19
18	3,902	33	6,325	35	4,810	27	5,012	23	5,895	27	18
17	3,689	28	8,224	28	4,415	22	3,928	17	5,130	20	17
16	4,388	24	8,796	19	3,557	17	3,111	13	4,229	15	16
15	5,046	19	5,439	10	3,013	13	2,334	9	3,378	10	15
14	3,570	14	2,277	4	3,038	10	1,832	7	2,476	6	14
13	2,374	10	718	1	2,187	6	1,535	5	1,729	3	13
12	1,856	7	257	1	1,843	4	1,160	3	917	2	12
11	1,797	5	79	1	841	2	764	2	345	1	11
10	1,566	3	16	1	452	1	467	1	97	1	10
9	745	2	4	1	162	1	300	1	33	1	9
8	444	1	5	1	50	1	85	1	13	1	8
7	199	1	2	1	61	1	34	1	8	1	7
6	71	1	0	1	22	1	7	1	4	1	6
5	26	1	1	1	16	1	10	1	0	1	5
4	14	1	1	1	2	1	5	1	0	1	4
3	4	1	0	1	2	1	0	1	0	1	3
2	3	1	0	1	6	1	6	1	0	1	2
1	2	1	1	1	2	1	0	1	0	1	1
Avg (SD)	21.4 (6.2)		21.7 (5.2)		22.4 (6.0)		22.0 (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: 91,089

**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	3,746	100	1,187	100	2,531	100	3,228	100	3,522	100	747	100	894	100	18
17	4,978	96	1,960	99	5,084	97	5,727	96	4,217	96	1,145	99	361	99	17
16	4,015	90	4,451	97	6,192	92	6,477	90	5,040	92	2,384	98	3,926	99	16
15	4,840	86	7,384	92	4,970	85	5,907	83	5,096	86	5,840	95	5,765	94	15
14	4,033	81	7,507	84	9,527	79	6,538	77	7,672	80	8,106	89	7,892	88	14
13	6,834	76	8,280	75	7,066	69	7,323	69	9,993	72	10,425	80	9,911	79	13
12	6,967	69	9,943	66	9,940	61	8,489	61	9,236	61	10,966	69	10,589	68	12
11	9,320	61	11,100	55	8,808	50	8,738	52	7,779	51	9,776	57	9,812	57	11
10	10,105	51	8,946	43	9,141	41	8,353	42	7,365	42	14,157	46	12,196	46	10
9	8,788	40	10,026	33	7,957	31	9,415	33	7,030	34	10,469	30	12,695	33	9
8	7,581	30	7,433	22	8,139	22	5,907	23	9,037	27	8,044	19	8,100	19	8
7	6,185	22	4,605	14	5,830	13	5,333	16	8,394	17	4,276	10	3,924	10	7
6	5,095	15	3,236	9	3,239	6	4,059	11	4,040	7	2,145	5	1,923	6	6
5	4,342	9	2,751	6	1,585	3	3,757	6	1,758	3	1,283	3	1,591	3	5
4	2,388	5	1,692	3	592	1	1,149	2	609	1	617	1	585	2	4
3	1,373	2	464	1	278	1	475	1	216	1	549	1	586	1	3
2	444	1	107	1	158	1	191	1	73	1	50	1	162	1	2
1	55	1	17	1	52	1	23	1	12	1	110	1	177	1	1
Avg (SD)	10.7 (3.8)		11.0 (3.2)		11.5 (3.4)		11.4 (3.7)		11.3 (3.5)		11.0 (2.8)		11.0 (2.9)		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	25
Q2 (50th Percentile)	21	22	22	22	22
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 91,089

**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>91,089</b>	<b>81</b>	<b>22.7</b>	<b>19.4</b>
	Black/African American	10,296	75	18.0	16.1
	American Indian/Alaska Native	185	70	21.5	17.1
	White	66,313	84	23.3	20.2
	Hispanic/Latino	3,562	77	21.2	18.3
	Asian	1,953	85	25.0	22.1
	Native Hawaiian/Other Pac. Isl.	73	82	22.0	20.9
	Two or more races	3,539	82	21.7	19.0
	Prefer not/No Response	5,168	60	23.4	19.6
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>	21.4	21.7	22.4	22.0	22.0
	Black/African American	16.2	17.5	17.7	17.7	17.4
	American Indian/Alaska Native	18.8	20.0	20.3	20.3	20.0
	White	22.3	22.5	23.2	22.8	22.8
	Hispanic/Latino	19.6	20.2	21.0	20.6	20.4
	Asian	23.8	25.6	23.8	24.3	24.5
	Native Hawaiian/Other Pac. Isl.	20.9	21.1	22.4	21.7	21.7
	Two or more races	20.5	20.8	21.7	21.3	21.2
	Prefer not/No Response	20.8	21.2	22.2	21.5	21.6
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: 91,089

**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	4,879	5	2,870	3	5,160	6	3,503	4
	28 to 32	10,390	11	9,847	11	14,670	16	7,604	8
	24 to 27	17,201	19	22,568	25	15,482	17	22,360	25
	20 to 23	24,431	27	18,956	21	25,142	28	30,009	33
	16 to 19	16,471	18	28,048	31	18,938	21	19,074	21
	13 to 15	10,990	12	8,434	9	8,238	9	5,701	6
	01 to 12	6,727	7	366	0	3,459	4	2,838	3
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	42,238	46	21.2	22.5	22.4	22.6	22.3
	Females	48,645	53	21.6	21.1	22.4	21.5	21.8
	Missing	206	0	14.2	16.8	16.4	16.0	15.9
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	71	56	52	50	36
	Females	73	46	52	41	29
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 91,089

**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>	74,060	77	22.1	56	22.4	56	23.0	50	22.6	36	22.7
	Less than Core	13,932	52	18.4	26	19.1	34	20.0	24	19.7	14	19.4
	Missing <sup>3</sup>	3,097	36	16.1	17	17.6	28	18.6	19	18.3	11	17.8
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>	86,575	73	21.6	86,028	53	22.0	84,047	53	22.6	79,006	49	22.5
	Less than Core	1,587	49	17.8	2,051	11	17.2	4,065	41	21.0	9,092	18	18.9
	Missing <sup>3</sup>	2,927	36	16.1	3,010	17	17.7	2,977	29	18.6	2,991	20	18.3
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

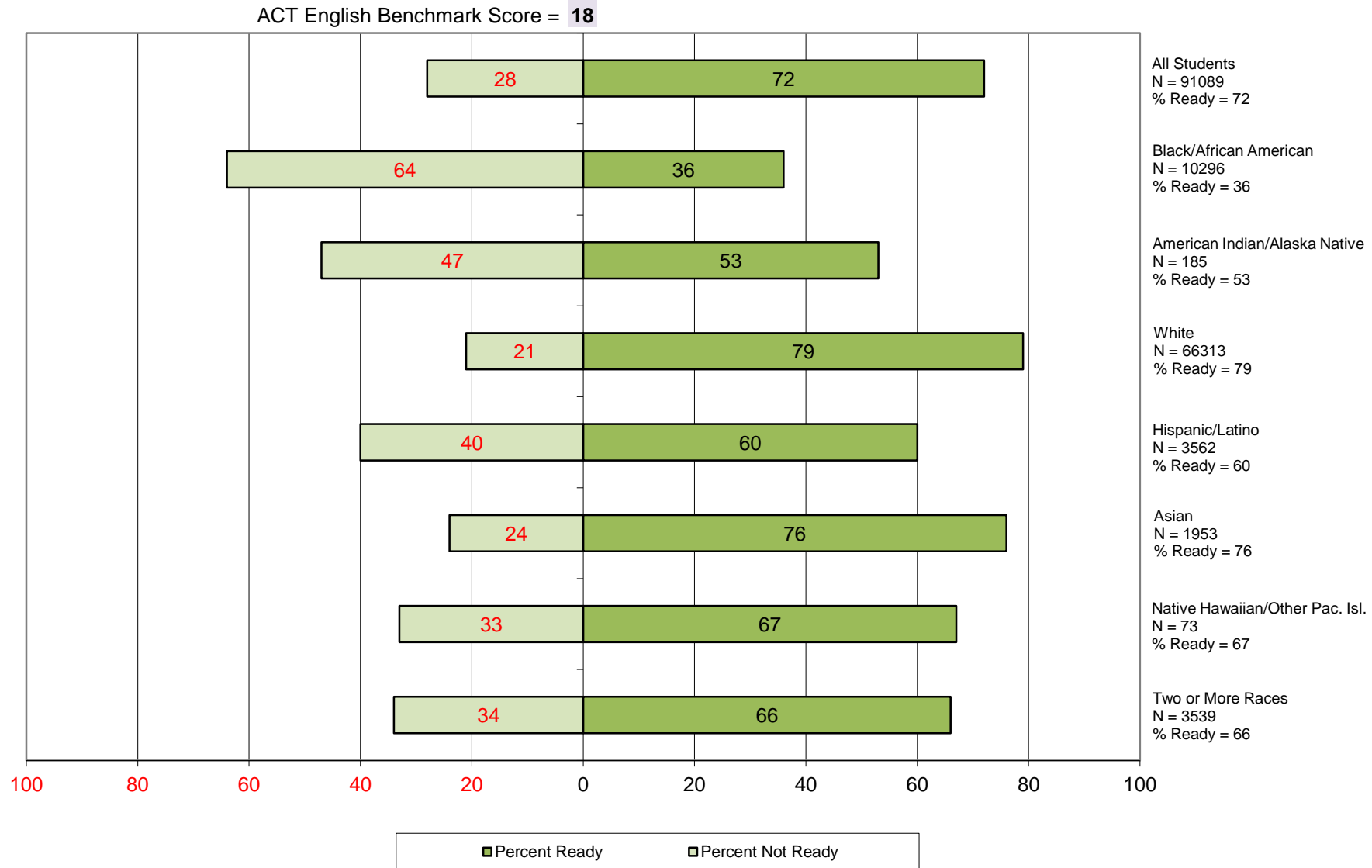


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

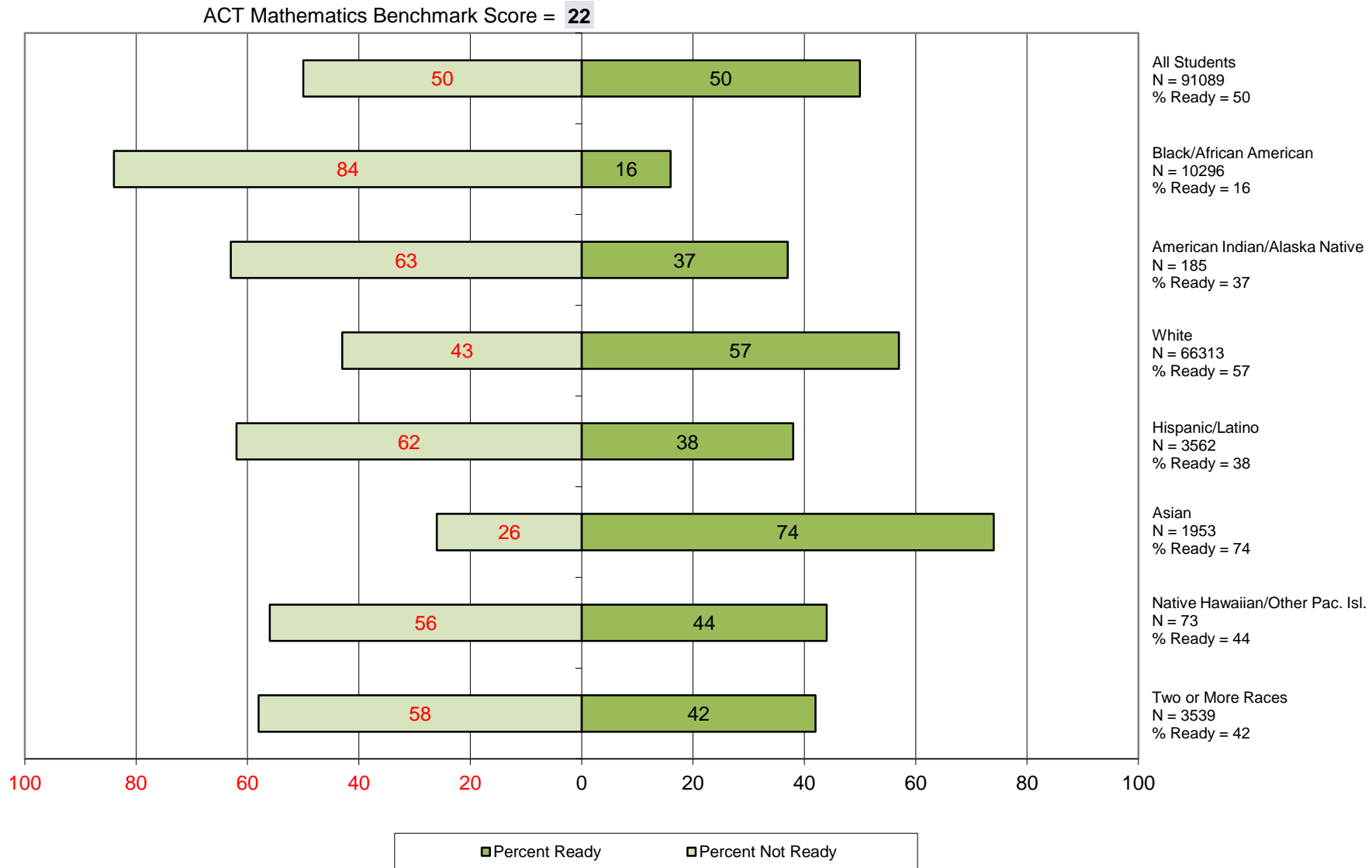


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

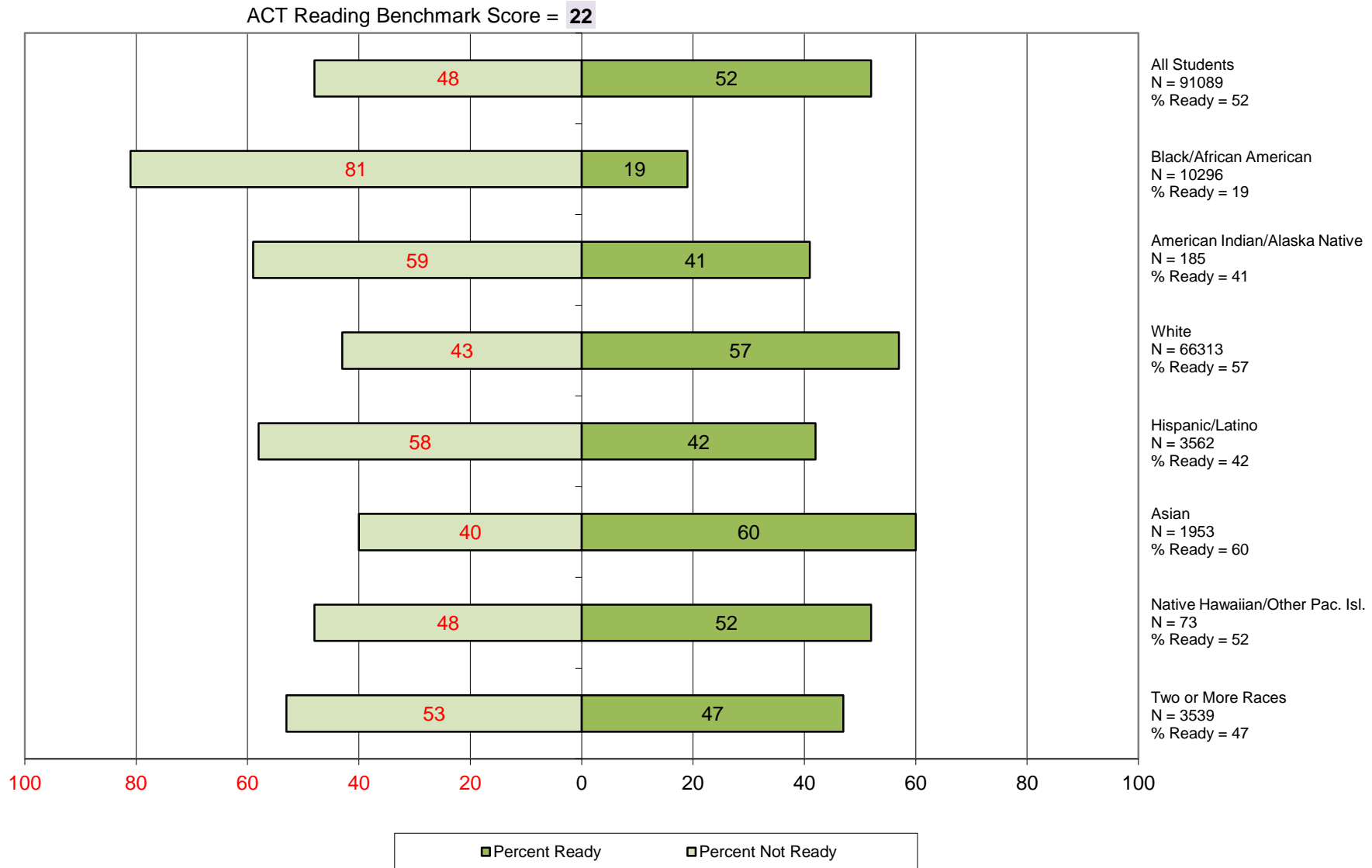


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

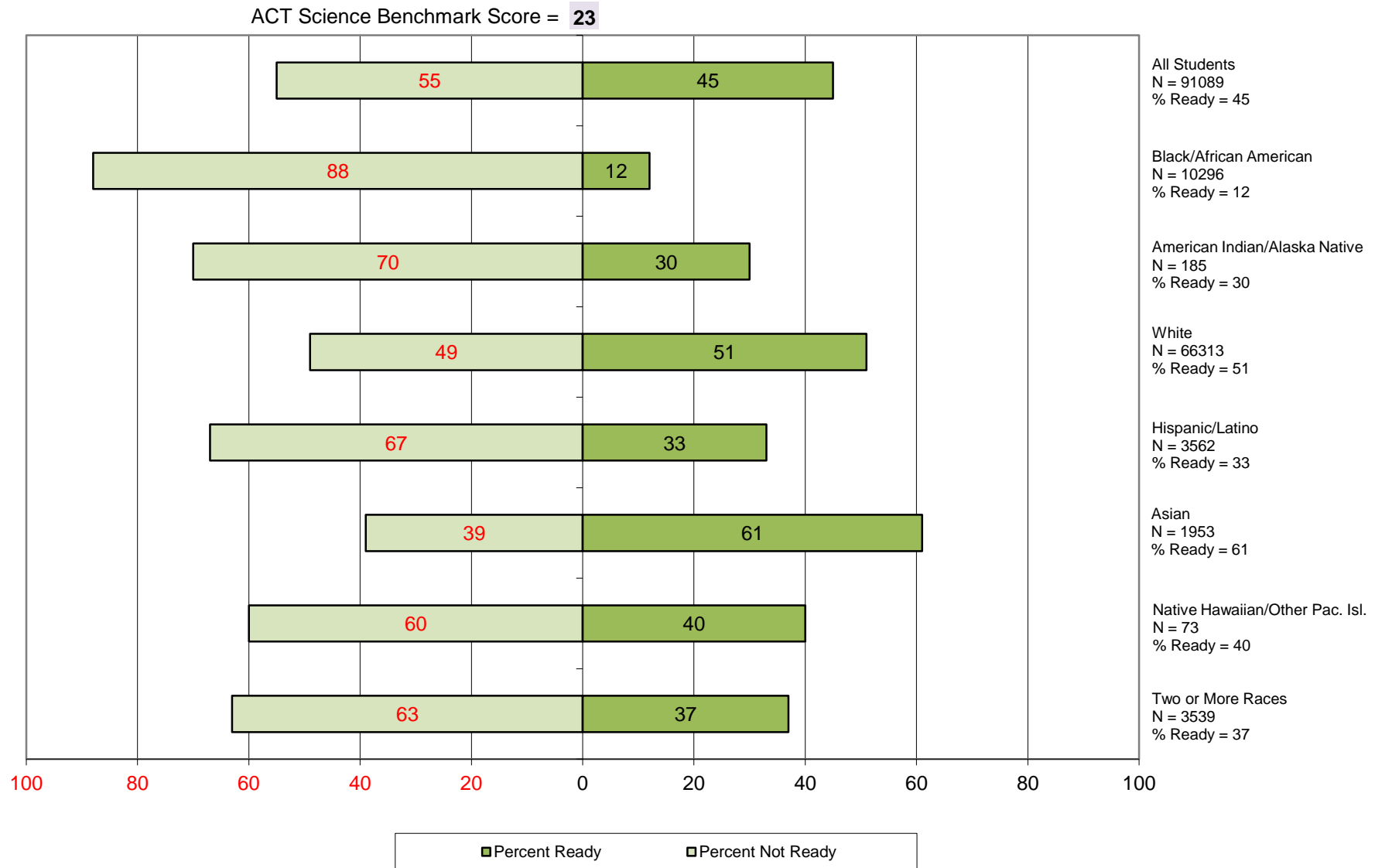
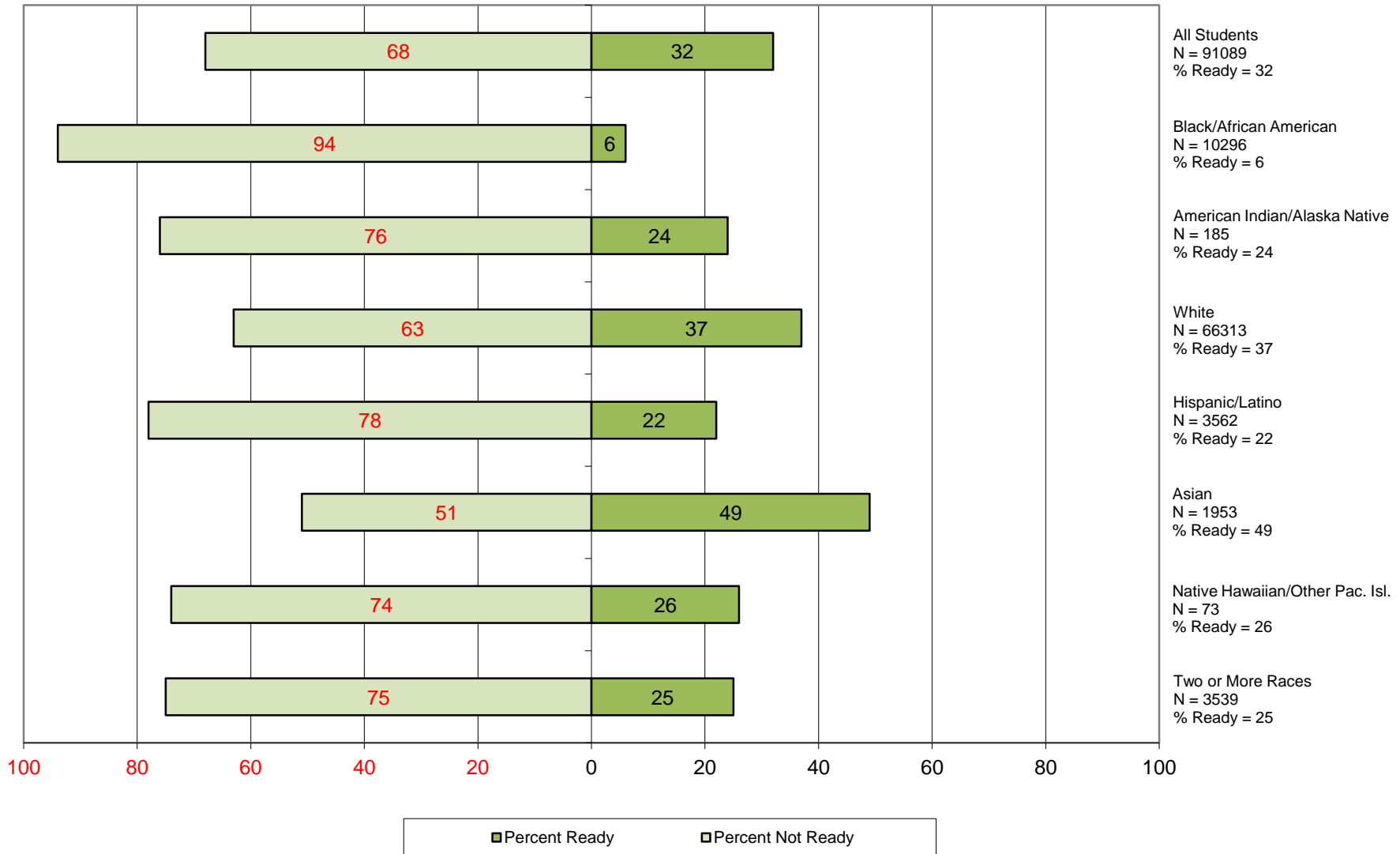


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 91,089

**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	21,351	23	22.6	4.8	9,002	21	22.3	4.5	12,341	25	22.8	4.8
Eng 9, Eng 10, Eng 11, Eng 12	65,224	72	21.3	3.5	30,854	73	21.2	3.4	34,258	70	21.4	3.4
Less than 4 years of English	1,587	2	17.8	-	778	2	17.8	-	786	2	18.0	-
Zero years / no English courses reported	2,927	3	16.1	-	1,604	4	16.2	-	1,260	3	16.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	5,524	6	24.6	7.4	2,709	6	25.4	7.8	2,810	6	23.8	6.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,993	9	21.8	4.6	3,175	8	22.3	4.7	4,808	10	21.5	4.6
Alg 1, Alg 2, Geom, & Trig	5,263	6	20.0	2.8	2,292	5	20.6	3.0	2,963	6	19.6	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	19,695	22	19.9	2.7	7,783	18	20.3	2.7	11,896	24	19.6	2.7
Other comb of 4 or more years of Math	35,053	38	24.2	7.0	17,951	42	24.9	7.3	17,081	35	23.5	6.6
Alg 1, Alg 2, & Geom	8,278	9	17.6	0.4	3,660	9	18.0	0.4	4,572	9	17.3	0.4
Other comb of 3 or 3.5 years of Math	4,222	5	20.8	3.6	2,067	5	21.0	3.4	2,144	4	20.6	3.7
Less than 3 years of Math	2,051	2	17.2	-	954	2	17.6	-	1,073	2	16.9	-
Zero years / no Math courses reported	3,010	3	17.7	-	1,647	4	18.0	-	1,298	3	17.3	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	4,814	5	22.7	1.7	2,530	6	22.7	1.6	2,276	5	22.6	1.7
Other comb of 4 or more years Social Science	43,521	48	23.1	2.1	20,109	48	23.1	2.0	23,371	48	23.1	2.2
US Hist, World Hist, & Am Gov	10,280	11	20.7	-0.3	4,784	11	20.8	-0.3	5,481	11	20.6	-0.3
Other comb of 3 or 3.5 years of Social Science	25,432	28	22.4	1.4	11,218	27	22.5	1.4	14,156	29	22.4	1.5
Less than 3 years of Social Science	4,065	4	21.0	-	1,968	5	21.1	-	2,077	4	20.9	-
Zero years / no Social Science courses reported	2,977	3	18.6	-	1,629	4	18.6	-	1,284	3	18.9	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	47,292	52	23.3	4.4	23,059	55	24.0	5.0	24,178	50	22.7	3.9
Bio, Chem, Phys	5,659	6	25.6	6.7	2,842	7	26.2	7.2	2,815	6	25.0	6.2
Gen Sci <sup>2</sup> , Bio, Chem	24,045	26	20.5	1.6	9,423	22	20.7	1.7	14,584	30	20.3	1.5
Other comb of 3 years of Natural Science	2,010	2	19.6	0.7	1,143	3	20.1	1.1	860	2	18.8	0.0
Less than 3 years of Natural Science	9,092	10	18.9	-	4,130	10	19.0	-	4,924	10	18.8	-
Zero years / no Natural Science courses reported	2,991	3	18.3	-	1,641	4	18.8	-	1,284	3	18.1	-

<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: 91,089

**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	21,351	23	22.6	79	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	65,224	72	21.3	72	1,305,220	71	20.5	65
Less than 4 years of English	1,587	2	17.8	49	88,420	5	15.9	36
Zero years / no English courses reported	2,927	3	16.1	36	81,272	4	16.3	38
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	5,524	6	24.6	75	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,993	9	21.8	55	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	5,263	6	20.0	37	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	19,695	22	19.9	35	356,555	19	19.4	31
Other comb of 4 or more years of Math	35,053	38	24.2	71	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	8,278	9	17.6	14	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	4,222	5	20.8	43	90,105	5	19.8	35
Less than 3 years of Math	2,051	2	17.2	11	74,627	4	16.4	8
Zero years / no Math courses reported	3,010	3	17.7	17	84,966	5	17.8	19
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	4,814	5	22.7	53	48,992	3	22.3	50
Other comb of 4 or more years Social Science	43,521	48	23.1	57	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	10,280	11	20.7	39	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	25,432	28	22.4	52	504,877	27	21.3	43
Less than 3 years of Social Science	4,065	4	21.0	41	180,385	10	19.4	32
Zero years / no Social Science courses reported	2,977	3	18.6	29	85,294	5	17.8	24
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	47,292	52	23.3	57	781,043	42	22.1	46
Bio, Chem, Phys	5,659	6	25.6	75	199,419	11	23.1	54
Gen Sci <sup>1</sup> , Bio, Chem	24,045	26	20.5	30	505,460	27	20.0	28
Other comb of 3 years of Natural Science	2,010	2	19.6	24	52,236	3	19.2	24
Less than 3 years of Natural Science	9,092	10	18.9	18	220,701	12	18.1	17
Zero years / no Natural Science courses reported	2,991	3	18.3	20	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: 91,089

**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	1,161	1	20.6	172	5	18.1	931	1	21.1
Architecture	966	1	21.9	21	1	16.4	892	1	22.2
Area, Ethnic, & Multidisciplinary Studies	83	0	22.1	1	0	18.0	72	0	22.5
Arts: Visual & Performing	5,462	6	21.5	307	8	17.5	4,779	6	21.8
Business	8,917	10	21.5	458	12	17.5	7,976	10	21.8
Communications	1,784	2	21.6	46	1	18.1	1,652	2	21.8
Community, Family, & Personal Services	1,861	2	19.0	184	5	17.2	1,558	2	19.3
Computer Science & Mathematics	2,716	3	23.4	119	3	19.2	2,432	3	23.7
Education	5,512	6	21.3	107	3	17.0	5,208	6	21.5
Engineering	7,375	8	24.8	120	3	17.7	6,890	9	25.0
Engineering Technology & Drafting	1,005	1	20.7	85	2	17.1	856	1	21.2
English & Foreign Languages	1,073	1	24.2	19	1	18.9	1,008	1	24.4
Health Administration & Assisting	3,133	3	19.1	262	7	17.3	2,689	3	19.3
Health Sciences & Technologies	17,505	19	21.8	673	18	17.8	16,142	20	22.1
Philosophy, Religion, & Theology	373	0	22.2	8	0	17.3	339	0	22.3
Repair, Production, & Construction	545	1	18.4	233	6	17.7	271	0	19.1
Sciences: Biological & Physical	5,807	6	24.3	47	1	18.0	5,540	7	24.4
Social Sciences & Law	6,825	7	21.9	144	4	17.6	6,328	8	22.1
Undecided	16,561	18	22.3	631	17	17.8	14,332	18	22.6
No Response	2,387	3	17.6	74	2	13.4	255	0	17.6

<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: 91,089

**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	716	17.5	143	14.3	4	17.0	431	18.7	46	16.9
2-yr College Degree	3,009	17.6	406	14.9	10	15.1	2,212	18.3	151	16.7
Bachelors Degree	49,109	21.1	5,041	16.9	96	19.1	38,058	21.8	1,804	19.7
Graduate Study	13,775	24.6	1,076	19.7	31	22.2	10,763	25.1	454	23.0
Prof. Level Degree	17,287	24.3	2,225	19.3	30	24.4	11,640	25.1	789	22.7
Other	985	19.2	165	15.5	3	12.3	629	20.2	44	17.0
No Response	6,208	20.1	1,240	15.5	11	17.1	2,580	22.8	274	17.6

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	716	17.5	28	18.0	0	.	27	17.3	37	15.9
2-yr College Degree	3,009	17.6	22	15.6	4	18.3	108	17.4	96	16.9
Bachelors Degree	49,109	21.1	616	21.2	38	19.5	1,841	20.1	1,615	20.9
Graduate Study	13,775	24.6	307	25.7	7	24.4	473	23.4	664	24.8
Prof. Level Degree	17,287	24.3	783	27.3	19	25.1	863	23.5	938	25.4
Other	985	19.2	31	19.9	2	24.0	50	17.8	61	20.5
No Response	6,208	20.1	166	24.3	3	24.0	177	19.6	1,757	19.3

Total Students in Report: 91,089

**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	19,908	8,484	11,424	1	5	15	26	30	20	3
UNIVERSITY OF CINCINNATI	Ohio	12,604	4,345	8,259	1	6	18	29	28	15	2
OHIO UNIVERSITY	Ohio	11,496	3,322	8,174	0	4	20	35	27	12	1
KENT STATE UNIVERSITY	Ohio	11,068	3,698	7,370	1	9	28	34	20	7	1
UNIVERSITY OF AKRON	Ohio	8,165	2,588	5,577	2	10	26	31	21	9	1
MIAMI UNIVERSITY	Ohio	8,115	2,084	6,031	0	2	10	26	35	23	3
BOWLING GREEN STATE UNIVERSITY	Ohio	7,880	2,250	5,630	1	7	27	34	22	8	1
UNIVERSITY OF TOLEDO	Ohio	5,776	1,733	4,043	2	11	25	30	21	10	1
WRIGHT STATE UNIVERSITY	Ohio	4,503	1,472	3,031	2	10	27	32	21	8	1
CLEVELAND STATE UNIVERSITY	Ohio	3,903	1,384	2,519	4	15	30	28	17	6	0
UNIVERSITY OF DAYTON	Ohio	3,111	574	2,537	0	2	10	24	34	26	4
YOUNGSTOWN STATE UNIVERSITY	Ohio	2,024	832	1,192	2	11	30	31	17	7	1
NCAA ELIGIBILITY CENTER	Indiana	1,967	1,058	909	1	9	23	31	23	12	1
CASE WESTERN RESERVE UNIV	Ohio	1,958	495	1,463	1	4	7	14	25	38	11
XAVIER UNIVERSITY-OH	Ohio	1,908	361	1,547	1	4	15	30	31	17	2
NORTHERN KENTUCKY UNIVERSITY	Kentucky	1,837	374	1,463	2	9	30	33	18	7	0
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	1,807	620	1,187	3	15	33	29	15	4	0
ASHLAND UNIVERSITY	Ohio	1,727	528	1,199	1	7	25	35	22	8	0
UNIVERSITY OF KENTUCKY	Kentucky	1,692	387	1,305	1	6	16	30	31	15	2
CAPITAL UNIVERSITY	Ohio	1,588	394	1,194	1	7	21	34	24	12	1
OHIO NORTHERN UNIVERSITY	Ohio	1,432	391	1,041	0	3	12	28	35	20	2
BALDWIN WALLACE UNIVERSITY	Ohio	1,421	411	1,010	2	9	21	29	25	13	1
UNIVERSITY OF FINDLAY THE	Ohio	1,404	399	1,005	0	4	19	34	30	11	1
OTTERBEIN UNIVERSITY	Ohio	1,382	285	1,097	0	4	18	35	29	12	1
SHAWNEE STATE UNIVERSITY	Ohio	1,377	588	789	2	13	36	31	14	4	0
UNIVERSITY OF MOUNT UNION	Ohio	1,359	376	983	1	7	24	37	21	9	1
JOHN CARROLL UNIVERSITY	Ohio	1,038	253	785	1	5	16	29	31	16	2
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	1,020	220	800	1	2	8	15	24	36	13
PURDUE UNIVERSITY	Indiana	959	175	784	0	1	5	14	28	41	12
SINCLAIR COMMUNITY COLLEGE	Ohio	950	357	593	2	12	35	31	15	4	0
All Other Institutions		69,721	19,204	50,517	2	9	22	27	21	15	3
<b>Total</b>		<b>195,100</b>	<b>59,642</b>	<b>135,458</b>	<b>1</b>	<b>8</b>	<b>21</b>	<b>29</b>	<b>24</b>	<b>14</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: 91,089

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing**

	N		Average ACT Scores					
	State	National	English		Essay		English/Writing Combined	
			State	National	State	National	State	National
<b>All Students</b>	<b>51,701</b>	<b>976,031</b>	<b>21.7</b>	<b>21.3</b>	<b>7.0</b>	<b>7.1</b>	<b>20.8</b>	<b>20.6</b>
Black/African American	6,923	114,263	16.4	16.4	6.2	6.3	16.3	16.3
American Indian/Alaska Native	97	6,408	19.4	16.8	6.7	6.2	18.8	16.5
White	35,552	520,054	22.8	23.1	7.2	7.3	21.7	22.1
Hispanic/Latino	2,203	167,575	19.9	18.5	6.9	6.9	19.4	18.4
Asian	1,479	61,663	24.4	23.7	7.5	7.7	23.3	22.9
Native Hawaiian/Other Pac. Isl.	46	3,742	22.1	17.7	7.0	6.6	21.1	17.6
Two or more races	2,188	39,565	20.9	21.4	6.8	7.1	20.1	20.7
Prefer not/No Response	3,213	62,761	21.4	21.6	6.8	7.1	20.4	20.9
Males	23,795	438,500	21.7	21.1	6.8	6.9	20.6	20.2
Females	27,723	530,240	21.7	21.6	7.2	7.3	21.0	21.1
Missing	183	7,291	14.6	16.0	5.9	5.9	14.5	15.7





