

ACT Profile Report - State

Graduating Class 2013
Ohio



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This report provides information about the performance of your 2013 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 2013. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students who met or exceeded ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores, updated for 2013, are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

31% 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: 92,813 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. 80% 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 4% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 14% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 14% of these students were college ready. In comparison, 59% 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. 16% of these students were college ready. In comparison, 48% 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.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact ACT Customer Service at 319-337-1309 or customerservices@act.org.

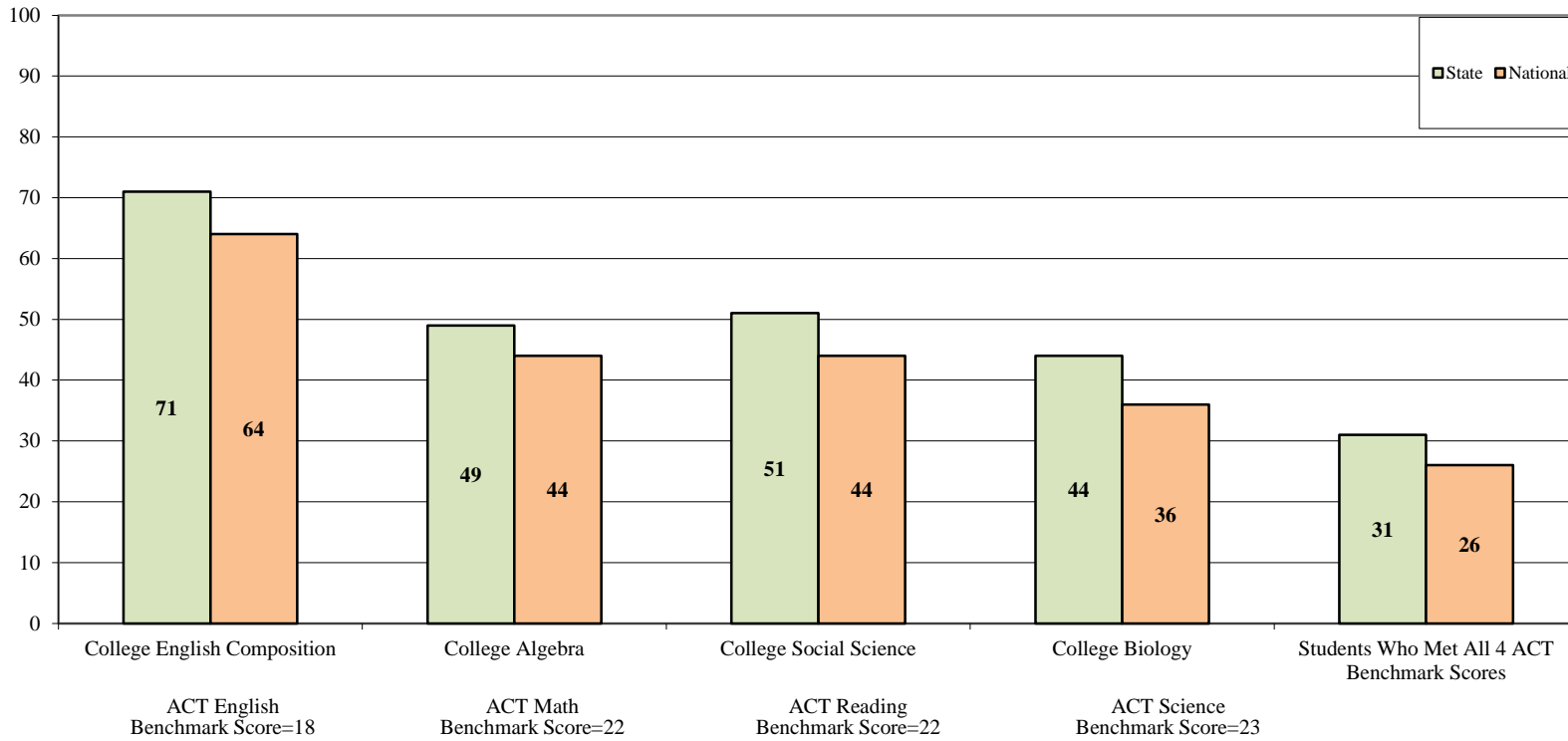
Section I

Executive Summary

Beginning 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.

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: 92,813

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
2009	88,754	1,480,469	72	67	46	42	58	53	33	28	26	23
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

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
2009	88,754	1,480,469	21.1	20.6	21.4	21.0	22.2	21.4	21.7	20.9	21.7	21.1
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
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

Total Students in Report: 92,813

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2009	67,786	19,318	76	22	22.0	18.6	22.3	19.0	22.9	20.1	22.4	19.7	22.5	19.5
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

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

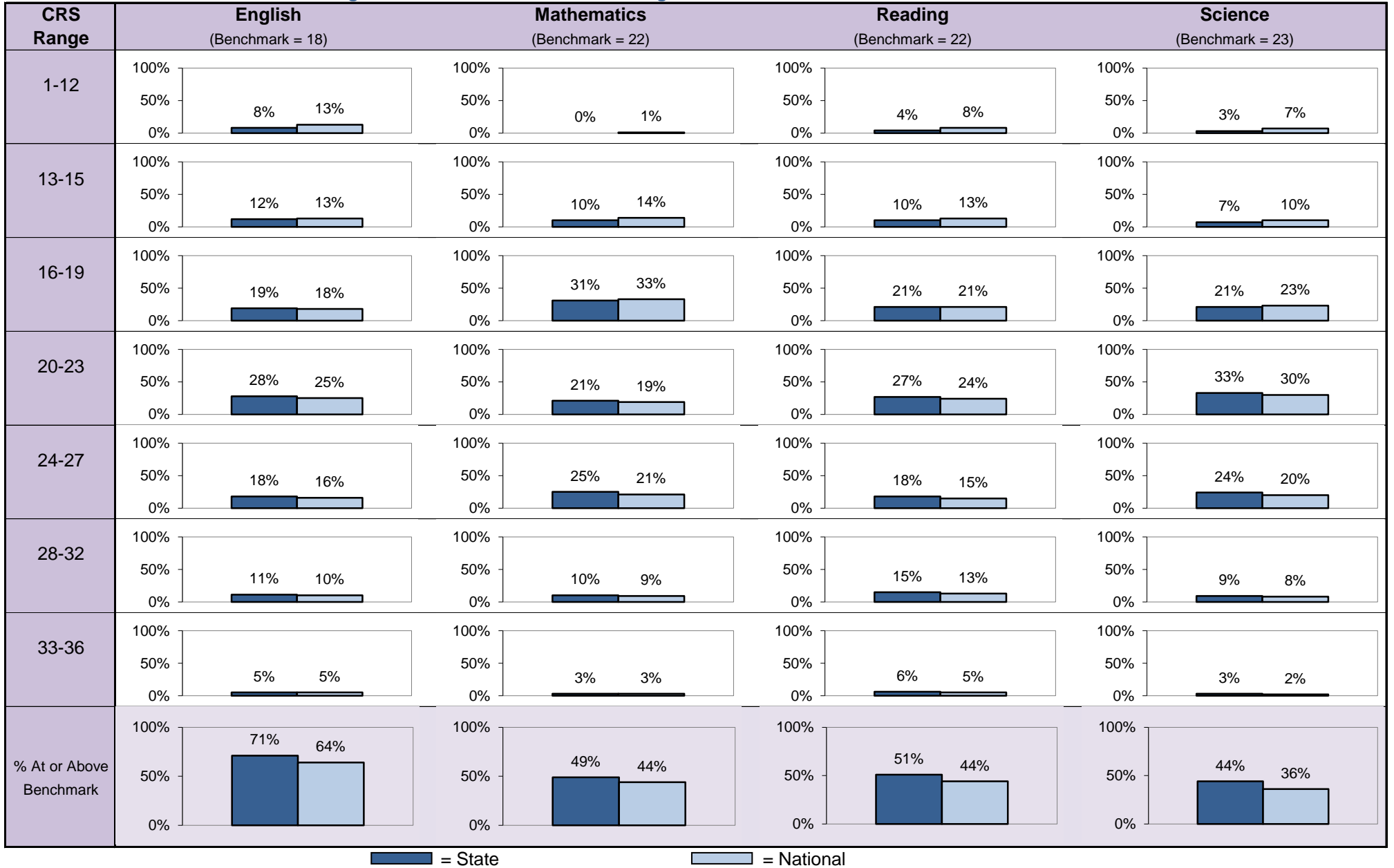
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	88,754	100	21.7	89,275	100	21.8	92,313	100	21.8	92,121	100	21.8	92,813	100	21.8
Black/African American	9,607	11	17.2	10,198	11	17.3	11,222	12	17.2	11,256	12	17.1	10,894	12	17.2
American Indian/Alaska Native	251	0	20.6	250	0	20.9	254	0	19.9	242	0	19.6	211	0	19.7
White	69,828	79	22.4	69,790	78	22.5	70,327	76	22.5	68,715	75	22.6	67,959	73	22.6
Hispanic/Latino	1,747	2	20.5	1,861	2	20.3	2,869	3	20.1	3,308	4	20.1	3,378	4	20.3
Asian	1,639	2	24.1	1,650	2	24.3	1,713	2	24.4	1,756	2	24.4	1,816	2	24.2
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	34	0	19.8	75	0	21.7	71	0	20.4
Two or more races	2,001	2	20.6	2,230	2	20.7	2,626	3	20.4	3,315	4	20.8	3,515	4	20.9
Prefer not to respond/No response	3,681	4	22.3	3,296	4	21.9	3,268	4	22.1	3,454	4	22.4	4,969	5	21.7

Total Students in Report: 92,813

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



Total Students in Report: 92,813

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	89,023	96	21.4	21.7	22.3	21.9	22.0
	Extended Time	3,790	4	16.7	18.2	19.5	19.0	18.5
	Total	92,813	100	21.2	21.5	22.2	21.8	21.8
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

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	50	52	45	32
	Extended Time	41	22	34	24	14
	Total	71	49	51	44	31
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	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: 92,813

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	360	100	302	100	991	100	496	100	58	100	36
35	1,047	100	494	100	353	99	568	99	308	100	35
34	1,503	98	950	99	1,754	99	602	99	652	100	34
33	1,569	97	834	98	2,062	97	682	98	952	99	33
32	1,484	95	1,009	97	2,527	94	1,127	97	1,349	98	32
31	1,691	94	1,031	96	3,013	92	1,314	96	1,710	96	31
30	1,963	92	1,421	95	2,866	88	1,717	95	2,132	95	30
29	2,298	90	2,229	93	2,808	85	1,821	93	2,678	92	29
28	2,704	87	3,488	91	2,984	82	2,411	91	3,413	89	28
27	2,947	84	4,564	87	3,382	79	3,343	88	4,115	86	27
26	3,910	81	5,610	82	3,440	75	4,227	85	4,462	81	26
25	4,374	77	6,117	76	3,767	72	6,971	80	5,373	76	25
24	5,764	72	6,664	70	5,776	68	8,166	73	6,098	71	24
23	5,831	66	6,151	63	5,299	62	7,079	64	6,602	64	23
22	5,781	60	4,873	56	6,487	56	7,281	56	6,900	57	22
21	7,112	53	4,245	51	6,994	49	9,002	48	7,060	50	21
20	6,920	46	4,215	46	6,591	41	7,599	39	6,778	42	20
19	4,744	38	5,415	42	5,043	34	6,247	31	6,528	35	19
18	4,207	33	5,754	36	5,752	29	5,469	24	6,088	28	18
17	3,695	29	8,340	30	3,978	23	3,713	18	5,253	21	17
16	4,720	25	9,561	21	4,287	18	3,615	14	4,456	15	16
15	5,081	20	5,979	10	3,578	14	2,545	10	3,528	11	15
14	3,274	14	2,299	4	2,819	10	2,025	7	2,686	7	14
13	2,592	11	827	1	2,428	7	1,551	5	1,968	4	13
12	1,935	8	291	1	1,991	4	1,252	3	1,015	2	12
11	1,996	6	95	1	829	2	966	2	448	1	11
10	1,484	4	30	1	559	1	517	1	126	1	10
9	812	2	8	1	192	1	307	1	48	1	9
8	607	1	8	1	116	1	99	1	21	1	8
7	258	1	4	1	83	1	49	1	4	1	7
6	87	1	4	1	35	1	22	1	3	1	6
5	36	1	0	1	9	1	10	1	1	1	5
4	20	1	1	1	11	1	7	1	0	1	4
3	5	1	0	1	5	1	8	1	0	1	3
2	2	1	0	1	3	1	1	1	0	1	2
1	0	1	0	1	1	1	4	1	0	1	1
Avg (SD)	21.2 (6.1)		21.5 (5.1)		22.2 (6.0)		21.8 (5.0)		21.8 (5.0)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 92,813

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subscore Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	3,435	100	1,602	100	2,985	100	3,445	100	3,908	100	669	100	916	100	18
17	4,909	96	932	98	5,011	97	4,528	96	4,072	96	1,099	99	71	99	17
16	3,546	91	5,472	97	5,237	91	6,042	91	4,216	91	2,105	98	3,824	99	16
15	4,400	87	6,278	91	5,731	86	6,895	85	6,472	87	5,110	96	5,441	95	15
14	5,772	82	7,309	85	6,872	80	6,974	77	6,514	80	8,690	90	8,578	89	14
13	5,090	76	8,636	77	9,220	72	7,466	70	8,830	73	10,395	81	8,646	80	13
12	7,094	71	11,181	67	9,393	62	8,138	62	10,432	63	10,787	70	12,686	70	12
11	10,837	63	9,960	55	9,786	52	8,609	53	8,174	52	11,759	58	10,438	57	11
10	10,264	51	9,416	45	9,403	42	8,770	44	8,187	43	12,954	45	10,824	45	10
9	9,097	40	10,685	35	8,952	31	7,416	34	7,199	34	10,326	32	11,869	34	9
8	7,424	31	7,539	23	7,692	22	8,435	26	8,701	27	9,286	20	8,783	21	8
7	6,988	23	5,442	15	6,201	14	5,857	17	9,080	17	4,334	10	4,902	12	7
6	5,075	15	3,183	9	3,228	7	4,611	11	4,070	8	2,371	6	2,493	6	6
5	4,214	10	2,768	6	1,813	3	3,266	6	1,972	3	1,253	3	1,430	4	5
4	2,605	5	1,558	3	704	1	1,649	3	610	1	780	2	1,026	2	4
3	1,490	2	680	1	339	1	495	1	283	1	587	1	445	1	3
2	516	1	155	1	185	1	201	1	83	1	54	1	232	1	2
1	57	1	17	1	61	1	16	1	10	1	254	1	209	1	1
Avg (SD)	10.6 (3.8)		10.9 (3.3)		11.4 (3.4)		11.2 (3.7)		11.2 (3.5)		10.9 (2.8)		10.9 (2.9)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	25	26	25	25
Q2 (50th Percentile)	21	21	22	22	22
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 92,813

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	92,813	80	22.5	19.1
	Black/African American	10,894	73	17.8	15.8
	American Indian/Alaska Native	211	69	21.0	17.1
	White	67,959	83	23.2	20.0
	Hispanic/Latino	3,378	76	21.1	17.9
	Asian	1,816	85	24.8	20.8
	Native Hawaiian/Other Pac. Isl.	71	73	22.0	16.7
	Two or more races	3,515	79	21.5	18.8
	Prefer not/No Response	4,969	62	23.5	19.1
National	All Students	1,799,243	74	21.7	18.7
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	18.4

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.2	21.5	22.2	21.8	21.8
	Black/African American	16.0	17.4	17.4	17.5	17.2
	American Indian/Alaska Native	18.7	19.5	20.1	20.0	19.7
	White	22.1	22.3	23.0	22.6	22.6
	Hispanic/Latino	19.4	20.1	20.7	20.4	20.3
	Asian	23.2	25.3	23.7	23.9	24.2
	Native Hawaiian/Other Pac. Isl.	19.7	20.8	20.2	20.5	20.4
	Two or more races	20.1	20.5	21.4	21.0	20.9
	Prefer not/No Response	20.9	21.3	22.3	21.6	21.7
National	All Students	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7

Total Students in Report: 92,813

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	4,479	5	2,580	3	5,160	6	2,348	3
	28 to 32	10,140	11	9,178	10	14,198	15	8,390	9
	24 to 27	16,995	18	22,955	25	16,365	18	22,707	24
	20 to 23	25,644	28	19,484	21	25,371	27	30,961	33
	16 to 19	17,366	19	29,070	31	19,060	21	19,044	21
	13 to 15	10,947	12	9,105	10	8,825	10	6,121	7
	01 to 12	7,242	8	441	0	3,834	4	3,242	3
National	33 to 36	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	42,822	46	21.0	22.3	22.2	22.5	22.1
	Females	49,842	54	21.4	20.9	22.2	21.2	21.6
	Missing	149	0	16.1	18.0	17.8	18.0	17.6
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

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	51	50	35
	Females	72	45	51	39	28
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

Total Students in Report: 92,813

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	74,674	77	22.0	56	22.3	56	22.9	49	22.4	36	22.5
	Less than Core	14,915	51	18.2	24	18.8	33	19.7	23	19.4	13	19.1
	Missing ³	3,224	35	15.8	17	17.6	28	18.4	20	18.3	11	17.7
National	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing	79,912	36	16.0	19	17.8	24	17.5	17	17.7	10	17.4

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who met all four subject-area benchmarks.

Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	88,208	73	21.4	86,261	52	21.9	85,598	52	22.4	80,397	48	22.3
	Less than Core	1,629	49	17.6	3,407	8	16.9	4,182	41	20.9	9,391	16	18.6
	Missing ³	2,976	35	16.0	3,145	17	17.7	3,033	29	18.5	3,025	21	18.4
National	Core or More	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	17.8

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Figure 3.1. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

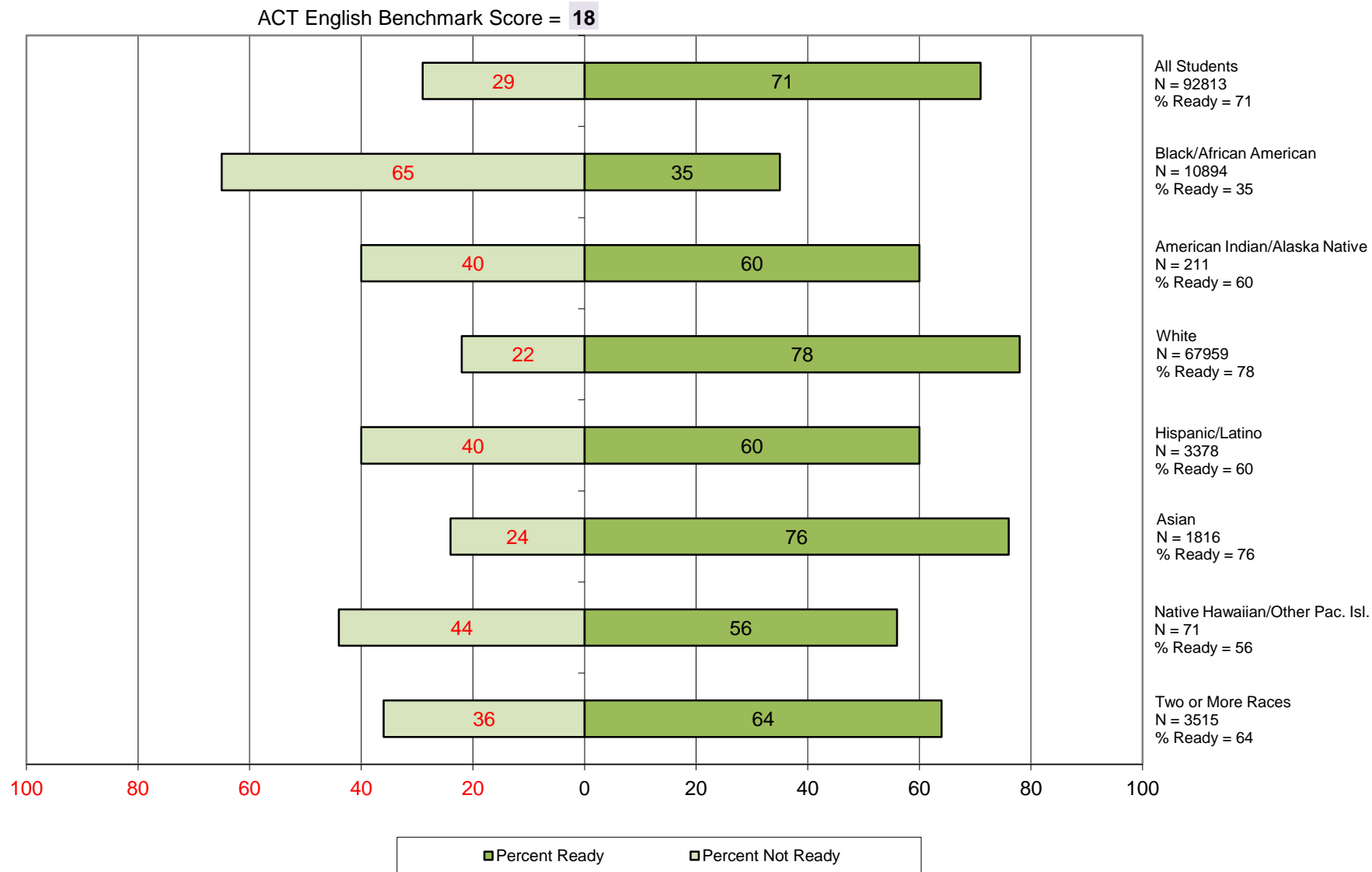


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

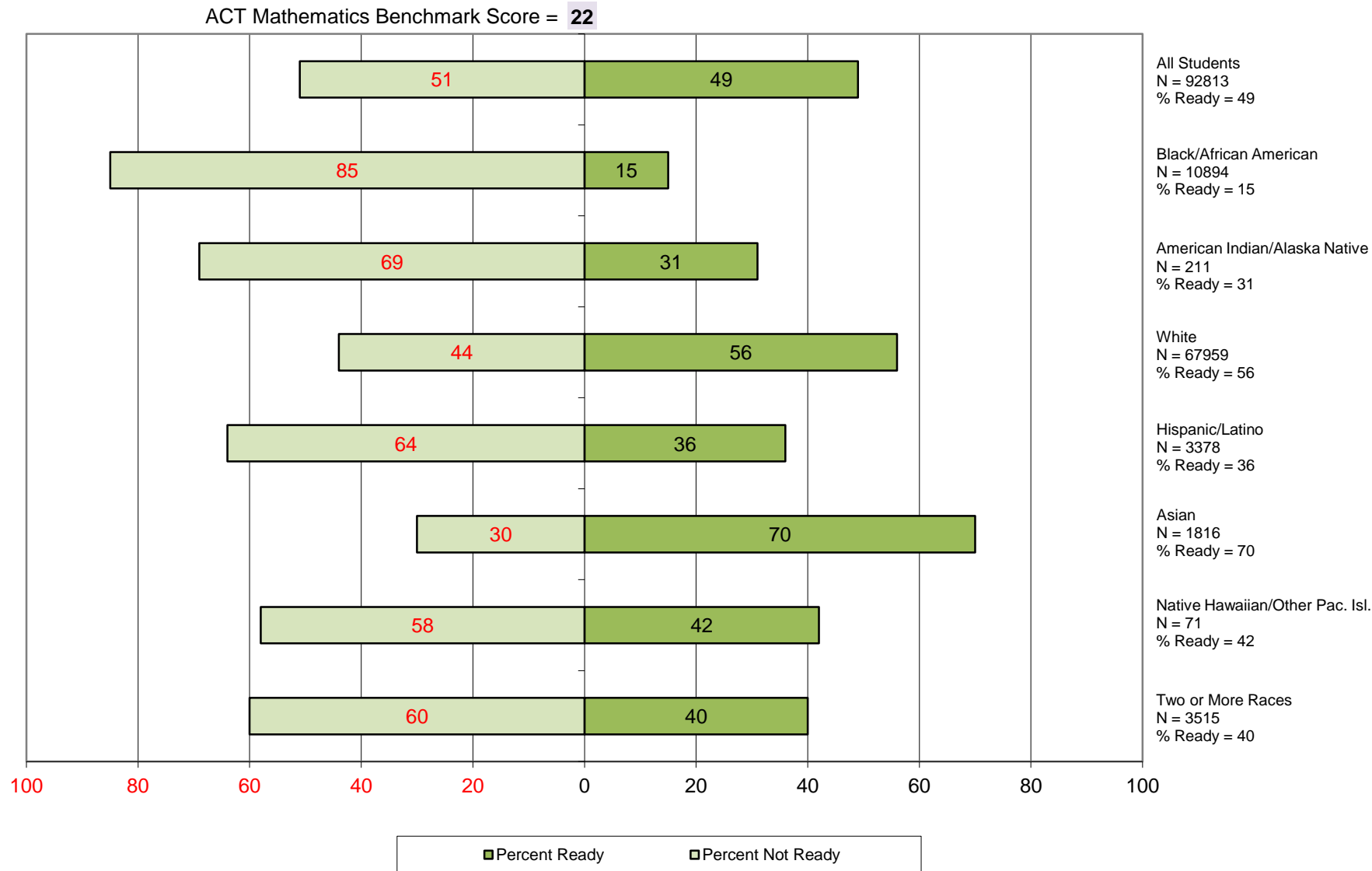


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

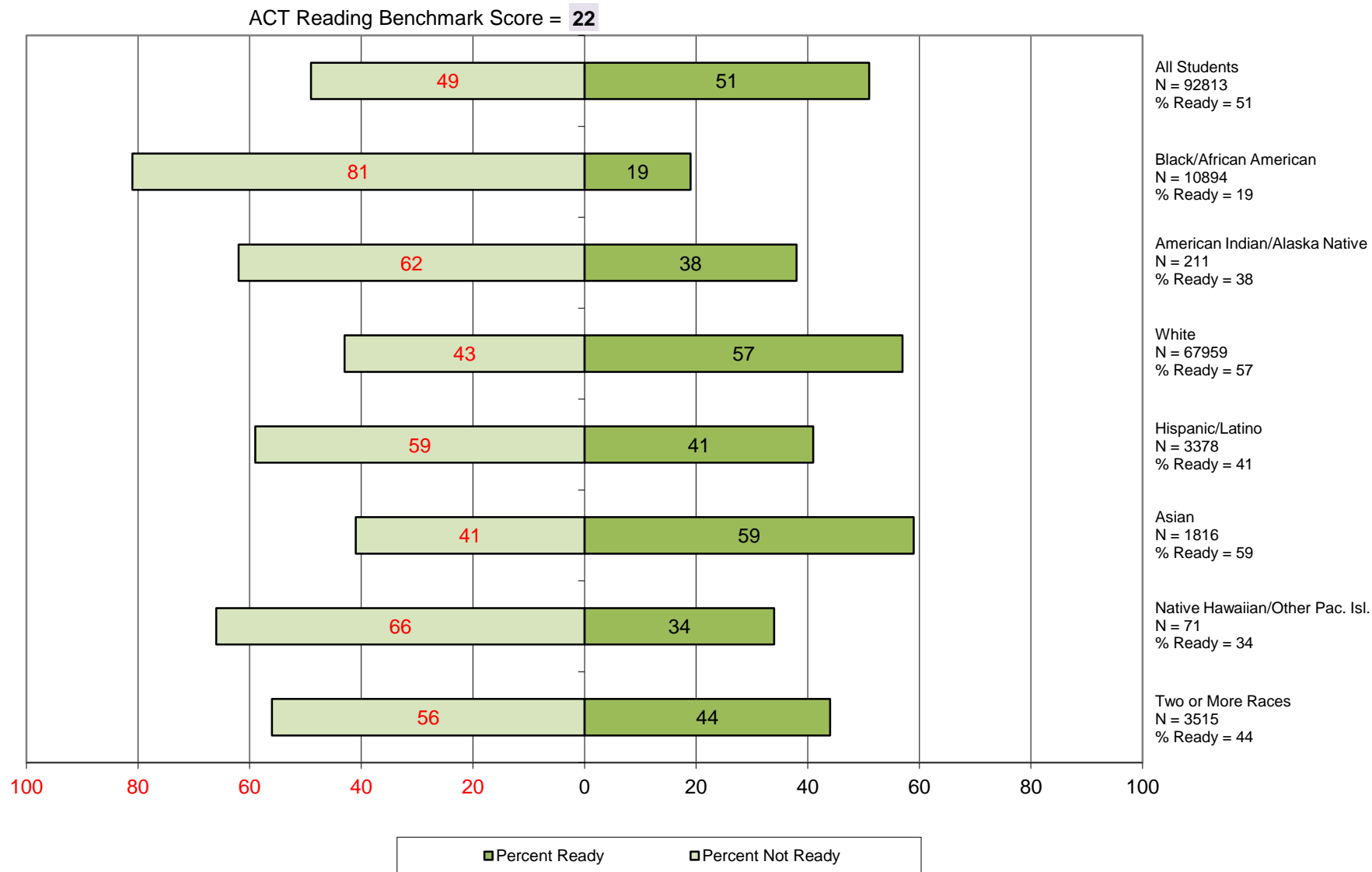


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

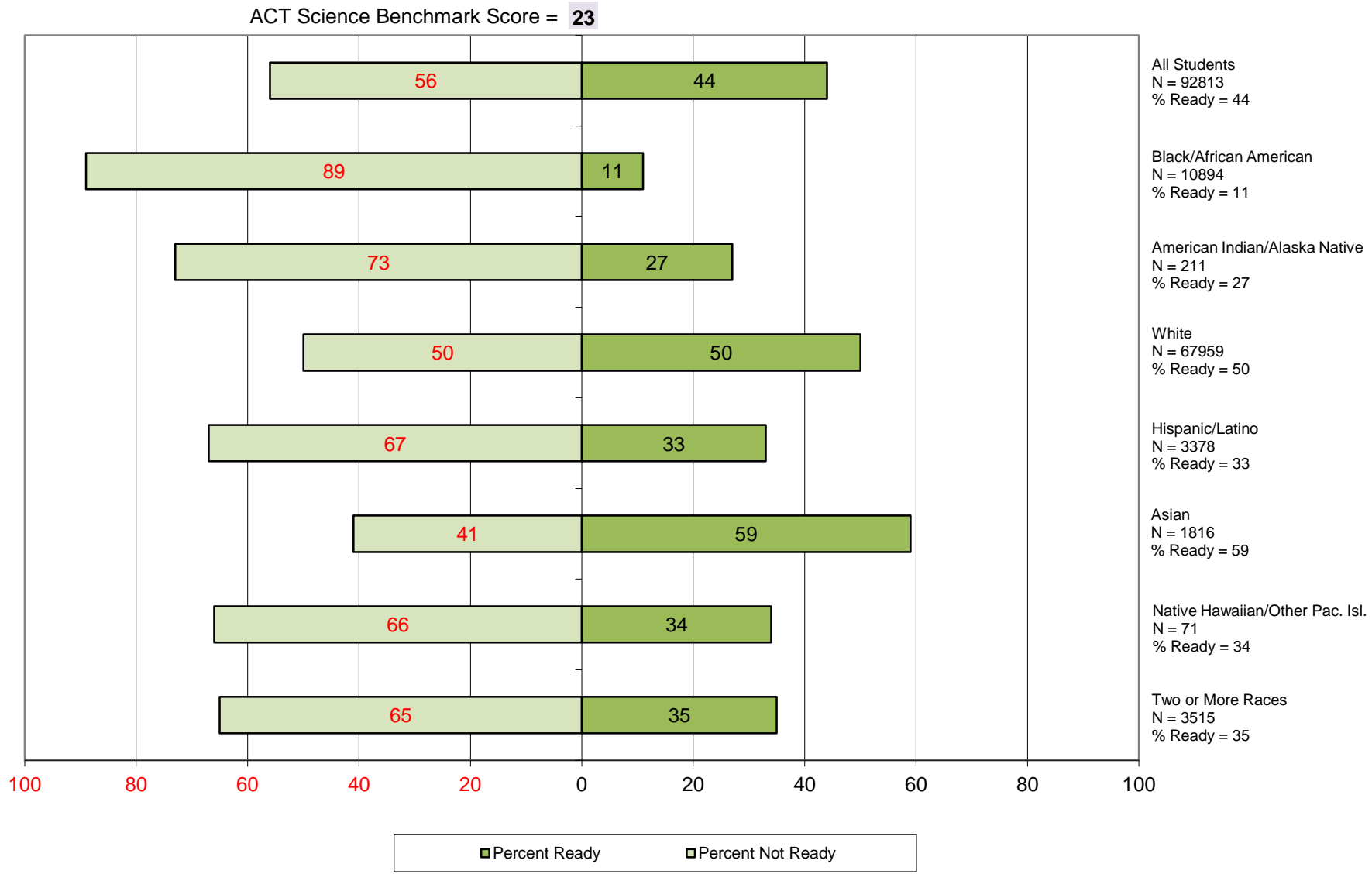
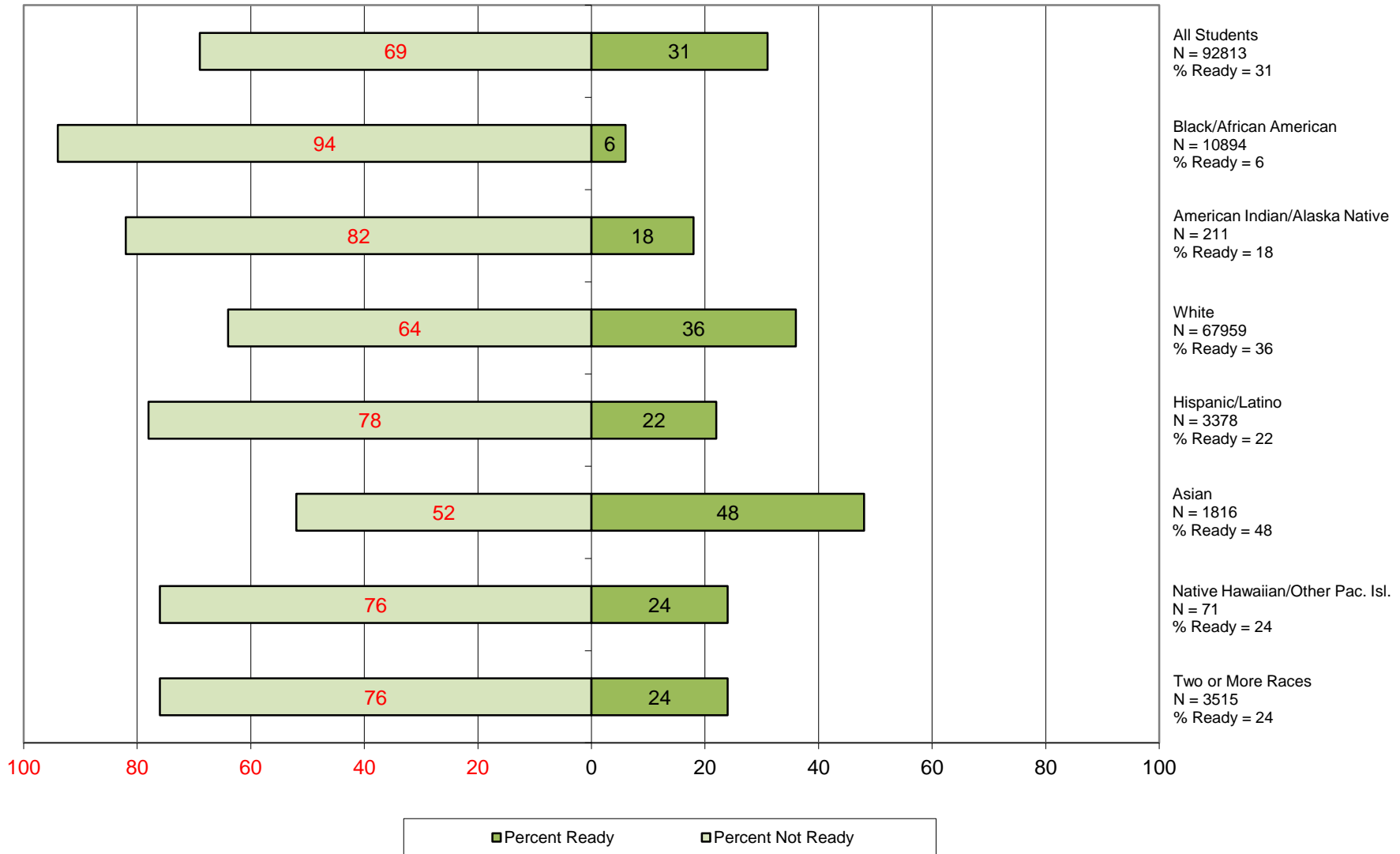


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 92,813

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	22,528	24	22.4	4.8	9,462	22	22.2	4.7	13,052	26	22.5	4.7
Eng 9, Eng 10, Eng 11, Eng 12	65,680	71	21.1	3.5	30,922	72	21.0	3.5	34,672	70	21.2	3.4
Less than 4 years of English	1,629	2	17.6	-	802	2	17.5	-	802	2	17.8	-
Zero years / no English courses reported	2,976	3	16.0	-	1,636	4	15.9	-	1,316	3	16.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	5,338	6	24.4	7.5	2,568	6	25.1	8.0	2,760	6	23.8	7.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,542	8	22.1	5.2	3,016	7	22.6	5.5	4,514	9	21.7	5.0
Alg 1, Alg 2, Geom, & Trig	5,410	6	20.2	3.3	2,469	6	20.6	3.5	2,928	6	19.9	3.2
Alg 1, Alg 2, Geom, & Other Adv Math	16,590	18	20.4	3.5	6,464	15	20.8	3.7	10,108	20	20.1	3.4
Other comb of 4 or more years of Math	34,048	37	24.2	7.3	17,547	41	24.9	7.8	16,490	33	23.5	6.8
Alg 1, Alg 2, & Geom	12,991	14	17.7	0.8	5,501	13	18.0	0.9	7,456	15	17.4	0.7
Other comb of 3 or 3.5 years of Math	4,342	5	20.5	3.6	2,059	5	20.9	3.8	2,277	5	20.2	3.5
Less than 3 years of Math	3,407	4	16.9	-	1,487	3	17.1	-	1,902	4	16.7	-
Zero years / no Math courses reported	3,145	3	17.7	-	1,711	4	18.1	-	1,407	3	17.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	5,252	6	23.0	2.1	2,796	7	23.1	2.5	2,451	5	22.9	1.7
Other comb of 4 or more years Social Science	43,956	47	22.9	2.0	20,315	47	22.9	2.3	23,617	47	22.9	1.7
US Hist, World Hist, & Am Gov	10,778	12	20.5	-0.4	4,994	12	20.7	0.1	5,760	12	20.3	-0.9
Other comb of 3 or 3.5 years of Social Science	25,612	28	22.2	1.3	11,063	26	22.3	1.7	14,502	29	22.2	1.0
Less than 3 years of Social Science	4,182	5	20.9	-	1,990	5	20.6	-	2,169	4	21.2	-
Zero years / no Social Science courses reported	3,033	3	18.5	-	1,664	4	18.6	-	1,343	3	18.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	47,760	51	23.2	4.6	23,259	54	23.9	5.1	24,456	49	22.5	4.1
Bio, Chem, Phys	5,374	6	25.2	6.6	2,703	6	25.8	7.0	2,670	5	24.5	6.1
Gen Sci ² , Bio, Chem	25,308	27	20.3	1.7	9,877	23	20.6	1.8	15,386	31	20.1	1.7
Other comb of 3 years of Natural Science	1,955	2	19.2	0.6	1,105	3	19.8	1.0	842	2	18.5	0.1
Less than 3 years of Natural Science	9,391	10	18.6	-	4,221	10	18.8	-	5,144	10	18.4	-
Zero years / no Natural Science courses reported	3,025	3	18.4	-	1,657	4	18.8	-	1,344	3	18.0	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 92,813

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	22,528	24	22.4	78	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	65,680	71	21.1	71	1,265,911	70	20.3	65
Less than 4 years of English	1,629	2	17.6	49	84,048	5	15.9	36
Zero years / no English courses reported	2,976	3	16.0	35	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	5,338	6	24.4	73	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,542	8	22.1	58	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	5,410	6	20.2	39	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	16,590	18	20.4	41	336,291	19	19.6	32
Other comb of 4 or more years of Math	34,048	37	24.2	71	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	12,991	14	17.7	14	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	4,342	5	20.5	41	88,866	5	19.7	34
Less than 3 years of Math	3,407	4	16.9	8	77,906	4	16.3	7
Zero years / no Math courses reported	3,145	3	17.7	17	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	5,252	6	23.0	56	50,989	3	22.2	51
Other comb of 4 or more years Social Science	43,956	47	22.9	56	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	10,778	12	20.5	38	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	25,612	28	22.2	51	489,586	27	21.0	43
Less than 3 years of Social Science	4,182	5	20.9	41	171,617	10	19.1	32
Zero years / no Social Science courses reported	3,033	3	18.5	29	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	47,760	51	23.2	56	767,293	43	21.9	46
Bio, Chem, Phys	5,374	6	25.2	73	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	25,308	27	20.3	29	504,165	28	19.9	28
Other comb of 3 years of Natural Science	1,955	2	19.2	22	51,822	3	19.1	25
Less than 3 years of Natural Science	9,391	10	18.6	16	218,267	12	18.0	17
Zero years / no Natural Science courses reported	3,025	3	18.4	21	74,011	4	17.8	18

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 92,813

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	1,165	1	20.3	181	4	17.8	922	1	20.8
Architecture	1,073	1	22.0	27	1	16.6	981	1	22.3
Area, Ethnic, & Multidisciplinary Studies	91	0	22.0	3	0	13.3	82	0	22.2
Arts: Visual & Performing	5,849	6	21.2	350	9	17.1	5,089	6	21.5
Business	8,821	10	21.3	479	12	16.9	7,858	10	21.6
Communications	2,043	2	21.5	56	1	17.4	1,896	2	21.7
Community, Family, & Personal Services	1,984	2	18.7	207	5	17.0	1,674	2	19.1
Computer Science & Mathematics	2,627	3	23.2	131	3	18.5	2,364	3	23.5
Education	5,920	6	21.2	118	3	16.5	5,541	7	21.3
Engineering	6,979	8	24.5	141	3	17.7	6,474	8	24.7
Engineering Technology & Drafting	1,011	1	20.4	82	2	16.5	863	1	20.9
English & Foreign Languages	1,112	1	24.1	18	0	19.2	1,015	1	24.3
Health Administration & Assisting	3,152	3	18.9	326	8	16.8	2,654	3	19.3
Health Sciences & Technologies	18,224	20	21.6	774	19	17.6	16,738	21	21.9
Philosophy, Religion, & Theology	426	0	22.0	14	0	17.5	383	0	22.2
Repair, Production, & Construction	587	1	17.9	242	6	17.5	288	0	18.3
Sciences: Biological & Physical	5,718	6	24.3	70	2	17.8	5,409	7	24.4
Social Sciences & Law	7,123	8	22.0	139	3	17.2	6,602	8	22.2
Undecided	16,336	18	22.3	623	15	17.7	14,023	17	22.5
No Response	2,530	3	17.4	88	2	13.5	247	0	17.8

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

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

Total Students in Report: 92,813

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	715	16.9	168	14.1	6	17.2	442	18.2	26	15.3
2-yr College Degree	3,370	17.3	451	14.2	15	15.9	2,479	18.0	156	15.8
Bachelors Degree	49,095	20.9	5,271	16.8	108	19.9	37,966	21.6	1,712	19.7
Graduate Study	14,106	24.3	1,176	19.4	18	22.2	11,149	24.8	436	23.0
Prof. Level Degree	17,927	24.1	2,243	19.2	38	22.7	12,309	25.0	739	22.5
Other	1,059	18.8	198	15.0	4	15.0	688	19.9	42	17.8
No Response	6,541	20.2	1,387	15.4	22	16.0	2,926	22.7	267	17.1

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	715	16.9	16	16.6	0	.	24	15.4	33	15.9
2-yr College Degree	3,370	17.3	28	14.3	4	15.0	112	16.8	125	17.6
Bachelors Degree	49,095	20.9	592	21.0	37	18.5	1,812	19.9	1,597	21.0
Graduate Study	14,106	24.3	275	25.6	9	24.6	447	23.1	596	24.4
Prof. Level Degree	17,927	24.1	696	26.9	17	24.1	879	22.8	1,006	24.8
Other	1,059	18.8	20	20.3	1	23.0	55	18.7	51	19.2
No Response	6,541	20.2	189	24.2	3	17.7	186	19.3	1,561	19.8

Total Students in Report: 92,813

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	19,337	8,040	11,297	1	5	15	27	29	19	3
UNIVERSITY OF CINCINNATI	Ohio	12,480	4,403	8,077	1	6	19	31	27	14	2
KENT STATE UNIVERSITY	Ohio	10,660	3,486	7,174	2	10	28	35	19	6	0
OHIO UNIVERSITY	Ohio	10,561	3,097	7,464	0	4	20	36	27	11	1
BOWLING GREEN STATE UNIVERSITY	Ohio	8,450	2,527	5,923	1	8	26	36	22	7	0
MIAMI UNIVERSITY	Ohio	8,073	2,161	5,912	0	3	11	27	35	23	2
UNIVERSITY OF AKRON	Ohio	7,927	2,562	5,365	2	12	27	31	19	8	1
UNIVERSITY OF TOLEDO	Ohio	6,148	1,852	4,296	2	11	26	30	21	9	1
WRIGHT STATE UNIVERSITY	Ohio	4,693	1,437	3,256	2	11	27	32	20	8	1
CLEVELAND STATE UNIVERSITY	Ohio	3,682	1,274	2,408	4	16	29	29	15	5	0
UNIVERSITY OF DAYTON	Ohio	3,144	650	2,494	0	3	10	25	35	25	2
UNIVERSITY OF KENTUCKY	Kentucky	2,061	442	1,619	1	5	18	31	29	16	2
XAVIER UNIVERSITY-OH	Ohio	2,049	376	1,673	1	6	18	29	31	14	1
YOUNGSTOWN STATE UNIVERSITY	Ohio	2,047	854	1,193	3	13	32	31	16	6	0
NCAA ELIGIBILITY CENTER	Indiana	2,042	1,103	939	2	10	26	30	22	10	1
NORTHERN KENTUCKY UNIVERSITY	Kentucky	1,854	429	1,425	1	10	31	34	19	5	0
CASE WESTERN RESERVE UNIV	Ohio	1,841	467	1,374	1	4	7	17	27	34	9
ASHLAND UNIVERSITY	Ohio	1,646	475	1,171	1	5	22	39	24	9	0
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	1,632	568	1,064	4	16	32	28	15	4	0
CAPITAL UNIVERSITY	Ohio	1,629	398	1,231	1	7	20	35	25	11	1
OHIO NORTHERN UNIVERSITY	Ohio	1,573	438	1,135	0	3	12	27	35	22	2
UNIVERSITY OF FINDLAY THE	Ohio	1,495	387	1,108	0	4	19	34	31	11	1
OTTERBEIN UNIVERSITY	Ohio	1,469	362	1,107	1	5	18	32	30	15	1
SHAWNEE STATE UNIVERSITY	Ohio	1,442	587	855	2	13	36	32	14	3	0
BALDWIN WALLACE UNIVERSITY	Ohio	1,373	359	1,014	2	8	21	32	25	10	1
UNIVERSITY OF MOUNT UNION	Ohio	1,292	351	941	1	6	24	37	25	8	1
SINCLAIR COMMUNITY COLLEGE	Ohio	1,012	393	619	3	15	34	31	13	3	0
JOHN CARROLL UNIVERSITY	Ohio	959	241	718	1	6	15	34	28	15	2
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	940	206	734	0	3	9	18	26	35	9
PURDUE UNIVERSITY	Indiana	935	196	739	0	1	4	15	31	41	9
All Other Institutions		72,041	20,006	52,035	2	9	23	27	21	14	3
Total		196,487	60,127	136,360	2	8	22	29	24	13	2

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: 92,813

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	54,050	942,769	21.5	21.3	6.8	7.0	20.5	20.5
Black/African American	7,336	114,751	16.3	16.3	5.9	6.1	15.8	16.0
American Indian/Alaska Native	119	6,031	19.1	16.8	6.4	6.1	18.4	16.4
White	37,727	518,407	22.6	22.9	7.0	7.2	21.4	21.9
Hispanic/Latino	2,083	151,504	19.7	18.6	6.6	6.8	18.9	18.3
Asian	1,370	54,580	24.0	23.5	7.4	7.6	22.9	22.7
Native Hawaiian/Other Pac. Isl.	45	2,812	18.5	19.5	6.2	6.9	17.7	19.2
Two or more races	2,268	35,355	20.4	21.5	6.6	7.0	19.5	20.6
Prefer not/No Response	3,102	59,329	21.6	21.8	6.8	7.1	20.5	20.9
Males	24,714	423,104	21.5	21.0	6.6	6.7	20.3	20.1
Females	29,199	513,945	21.5	21.6	6.9	7.2	20.6	20.9
Missing	137	5,720	16.3	16.6	5.8	6.3	15.8	16.5

