

ACT Profile Report - State

Graduating Class 2013
New York



ACT, INC. -- CONFIDENTIAL



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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

43% 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: 53,287 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. 79% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 3% of the cohort took less than three years of math courses. Of these students, 16% were college ready. 2% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 12% of these students were college ready. In comparison, 72% 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 6% of the cohort took less than three years of natural science courses. 16% of these students were college ready. In comparison, 57% 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 24% 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.

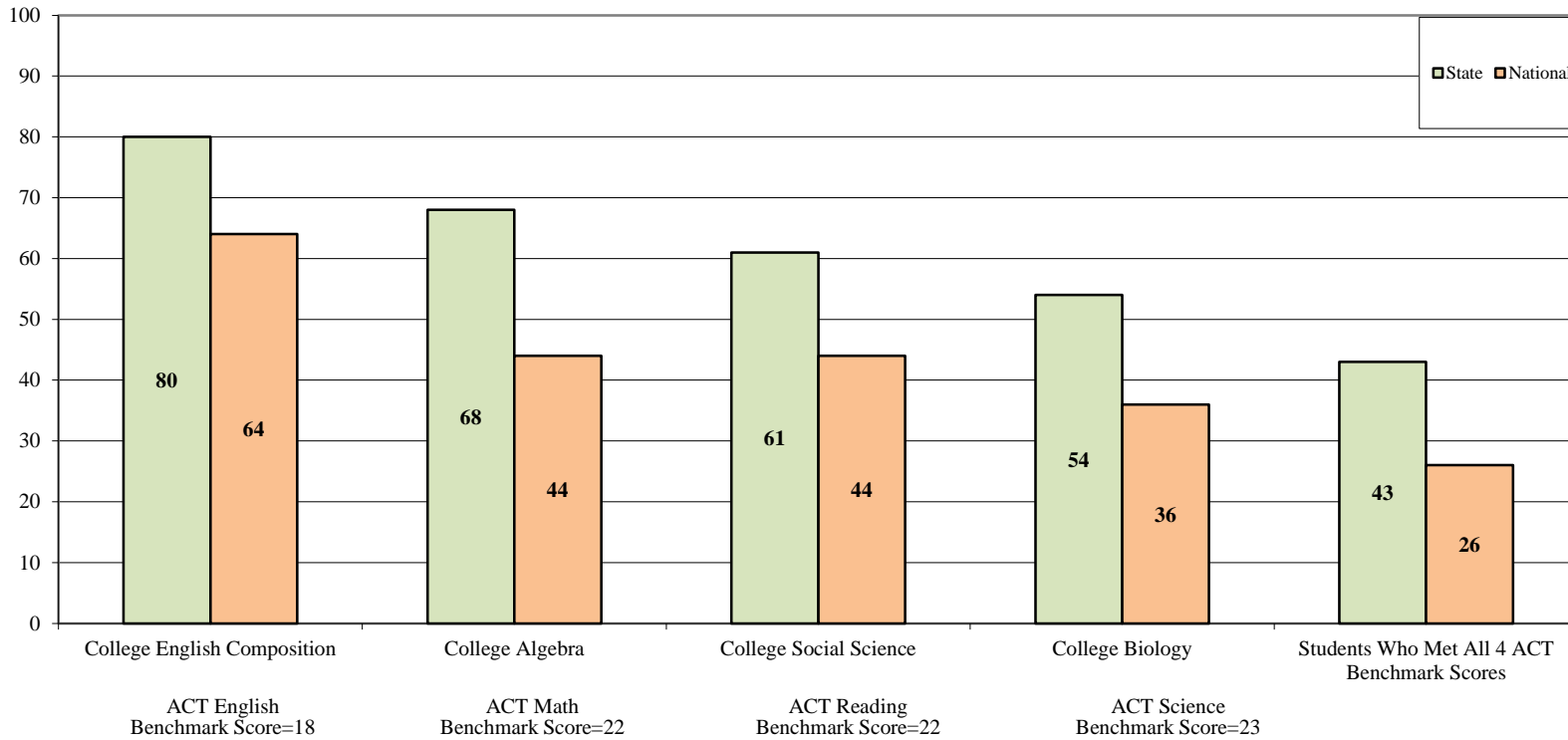
Section I

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: 53,287

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	47,520	1,480,469	80	67	62	42	66	53	42	28	36	23
2010	50,262	1,568,835	80	66	66	43	66	52	46	29	40	24
2011	52,255	1,623,112	80	66	68	45	67	52	45	30	39	25
2012	52,771	1,666,017	80	67	67	46	67	52	47	31	41	25
2013	53,287	1,799,243	80	64	68	44	61	44	54	36	43	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	47,520	1,480,469	22.5	20.6	23.4	21.0	23.3	21.4	22.7	20.9	23.1	21.1
2010	50,262	1,568,835	22.7	20.5	23.6	21.0	23.3	21.3	23.1	20.9	23.3	21.0
2011	52,255	1,623,112	22.7	20.6	23.8	21.1	23.5	21.3	23.0	20.9	23.4	21.1
2012	52,771	1,666,017	22.7	20.5	23.7	21.1	23.4	21.3	23.1	20.9	23.3	21.1
2013	53,287	1,799,243	22.6	20.2	23.8	20.9	23.7	21.1	23.1	20.7	23.4	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: 53,287

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	37,666	8,710	79	18	23.1	20.4	24.0	21.1	23.9	21.3	23.3	20.9	23.7	21.1
2010	39,801	9,509	79	19	23.3	20.5	24.2	21.3	23.9	21.3	23.6	21.2	23.9	21.2
2011	41,327	10,086	79	19	23.3	20.6	24.3	21.6	24.0	21.6	23.5	21.3	23.9	21.4
2012	42,582	9,498	81	18	23.2	20.4	24.2	21.5	23.9	21.4	23.5	21.1	23.8	21.2
2013	42,234	9,621	79	18	23.2	20.7	24.4	21.9	24.1	21.9	23.6	21.4	23.9	21.6

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.

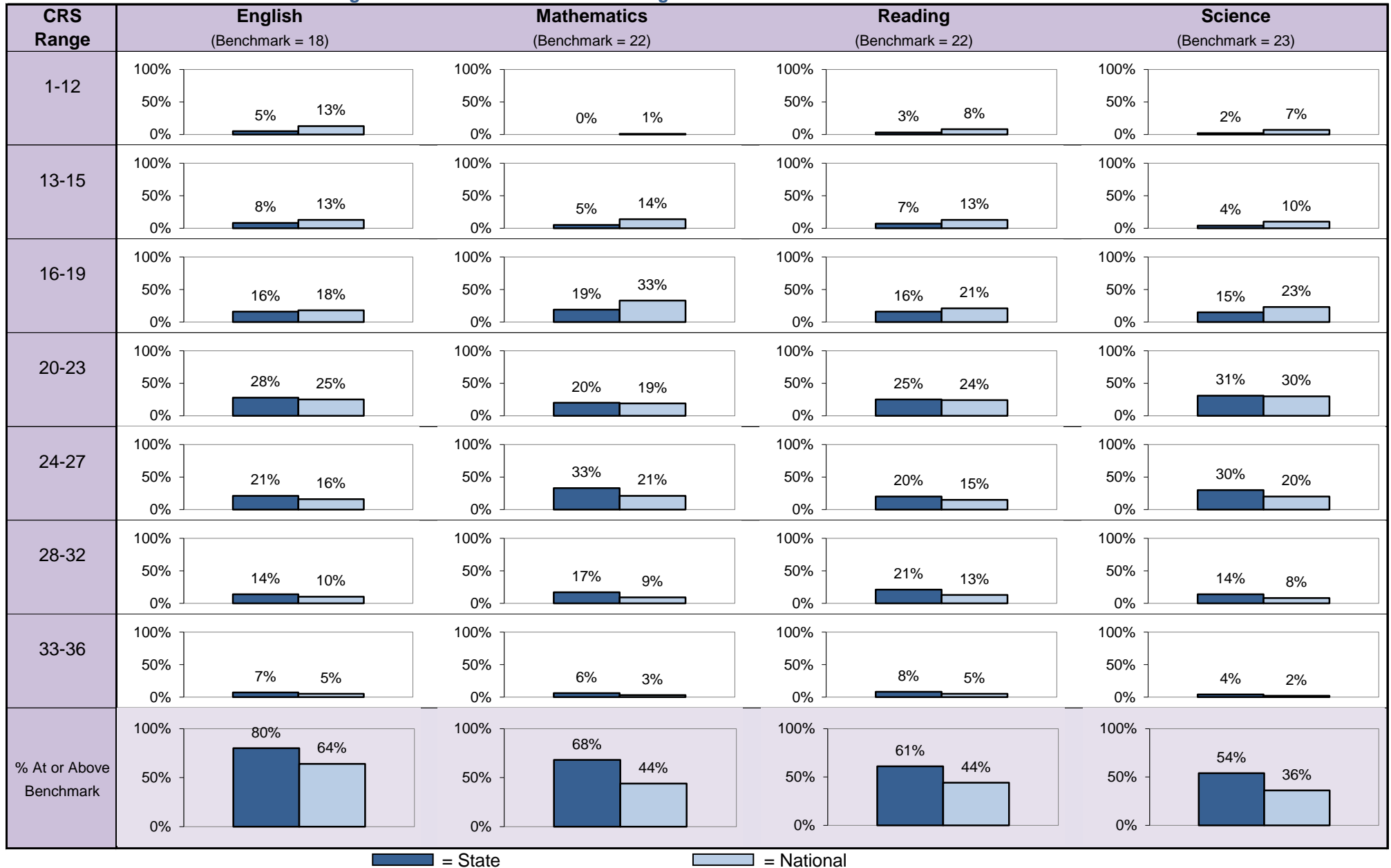
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	47,520	100	23.1	50,262	100	23.3	52,255	100	23.4	52,771	100	23.3	53,287	100	23.4
Black/African American	3,208	7	18.7	3,515	7	18.7	3,562	7	19.0	3,716	7	18.8	3,498	7	19.2
American Indian/Alaska Native	127	0	21.7	162	0	21.4	157	0	21.6	145	0	20.8	156	0	20.7
White	32,961	69	23.6	34,501	69	23.8	35,332	68	23.9	34,694	66	24.0	34,273	64	24.0
Hispanic/Latino	2,994	6	20.4	3,586	7	20.4	4,724	9	20.6	5,454	10	20.6	5,514	10	21.0
Asian	2,709	6	25.2	3,220	6	25.6	3,522	7	25.5	3,680	7	25.4	3,707	7	25.3
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	45	0	22.2	60	0	22.8	79	0	22.8
Two or more races	926	2	22.3	1,119	2	22.8	1,082	2	23.4	1,062	2	23.8	1,113	2	23.7
Prefer not to respond/No response	4,595	10	23.8	4,159	8	23.5	3,831	7	23.8	3,960	8	23.9	4,947	9	23.7

Total Students in Report: 53,287

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



Total Students in Report: 53,287

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	50,749	95	22.7	23.9	23.7	23.2	23.5
	Extended Time	2,538	5	20.6	21.5	23.1	22.1	22.0
	Total	53,287	100	22.6	23.8	23.7	23.1	23.4
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	80	69	61	54	44
	Extended Time	65	47	56	44	33
	Total	80	68	61	54	43
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: 53,287

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	300	100	411	100	828	100	505	100	63	100	36
35	947	99	656	99	364	98	641	99	345	100	35
34	1,226	98	1,235	98	1,479	98	497	98	650	99	34
33	1,430	95	884	96	1,728	95	471	97	923	98	33
32	1,172	93	1,168	94	1,964	92	957	96	1,286	96	32
31	1,364	90	970	92	2,924	88	1,256	94	1,567	94	31
30	1,445	88	1,593	90	2,058	83	1,559	92	1,946	91	30
29	1,615	85	2,053	87	2,142	79	1,683	89	2,320	87	29
28	2,042	82	3,191	83	2,065	75	1,888	86	2,741	83	28
27	1,988	78	4,068	77	2,228	71	2,283	82	3,073	78	27
26	2,744	75	4,456	70	2,326	67	3,129	78	3,410	72	26
25	3,067	69	4,748	61	2,341	62	5,128	72	3,740	66	25
24	3,569	64	4,416	52	3,754	58	5,320	62	4,105	59	24
23	3,786	57	3,496	44	2,756	51	3,319	52	4,115	51	23
22	3,263	50	2,881	37	3,610	46	4,803	46	3,948	43	22
21	4,163	44	2,543	32	3,662	39	4,848	37	3,715	36	21
20	3,814	36	1,564	27	3,264	32	3,411	28	3,282	29	20
19	2,520	29	2,367	24	2,505	26	3,072	22	2,848	23	19
18	1,984	24	2,189	20	2,797	21	2,305	16	2,357	17	18
17	1,746	20	2,876	16	1,641	16	1,378	12	2,025	13	17
16	2,122	17	2,839	10	1,782	13	1,422	9	1,618	9	16
15	1,972	13	1,640	5	1,663	10	917	6	1,148	6	15
14	1,390	9	644	2	1,091	6	723	5	894	4	14
13	856	7	223	1	976	4	555	3	579	2	13
12	742	5	98	1	614	3	432	2	326	1	12
11	682	4	52	1	365	1	342	1	158	1	11
10	567	3	14	1	190	1	194	1	56	1	10
9	319	1	7	1	88	1	124	1	28	1	9
8	262	1	3	1	19	1	45	1	14	1	8
7	109	1	1	1	23	1	27	1	5	1	7
6	48	1	0	1	16	1	24	1	2	1	6
5	20	1	0	1	12	1	17	1	0	1	5
4	10	1	1	1	4	1	1	1	0	1	4
3	1	1	0	1	2	1	6	1	0	1	3
2	0	1	0	1	5	1	1	1	0	1	2
1	2	1	0	1	1	1	4	1	0	1	1
Avg (SD)	22.6 (6.1)		23.8 (5.2)		23.7 (6.1)		23.1 (5.1)		23.4 (5.1)		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: 53,287

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	2,730	100	1,552	100	2,339	100	3,051	100	4,607	100	748	100	1,087	100	18
17	3,735	95	567	97	3,824	96	4,256	94	4,192	91	1,425	99	227	98	17
16	3,164	88	4,280	96	4,275	88	4,709	86	4,096	83	2,305	96	3,540	98	16
15	3,387	82	4,437	88	4,488	80	4,966	77	5,523	76	5,889	92	5,130	91	15
14	3,459	76	5,185	80	3,735	72	4,678	68	4,655	65	7,507	81	5,875	81	14
13	4,004	69	5,472	70	4,817	65	4,626	59	5,466	57	8,428	66	6,849	70	13
12	4,091	62	7,581	60	6,421	56	4,452	51	5,631	46	7,034	51	9,359	57	12
11	6,307	54	5,164	45	5,785	44	5,271	42	5,023	36	5,536	37	4,999	40	11
10	6,018	42	5,236	36	4,303	33	4,104	32	3,160	26	5,425	27	4,527	30	10
9	4,724	31	4,942	26	3,837	25	3,309	25	3,128	21	3,426	17	5,488	22	9
8	3,611	22	3,494	17	3,639	18	3,444	19	3,181	15	2,837	10	2,539	12	8
7	2,755	15	1,926	10	3,038	11	2,808	12	2,942	9	1,050	5	1,374	7	7
6	1,835	10	1,447	6	1,538	5	1,515	7	980	3	936	3	1,151	4	6
5	1,792	7	1,042	4	624	2	1,310	4	414	1	191	1	312	2	5
4	846	3	593	2	337	1	535	1	207	1	312	1	446	2	4
3	562	2	281	1	102	1	165	1	59	1	106	1	130	1	3
2	243	1	76	1	121	1	83	1	20	1	44	1	165	1	2
1	24	1	12	1	64	1	5	1	3	1	88	1	89	1	1
Avg (SD)	11.4 (3.8)		11.6 (3.2)		12.0 (3.5)		12.2 (3.6)		12.7 (3.4)		12.1 (2.8)		11.8 (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)	27	27	29	26	27
Q2 (50th Percentile)	23	24	23	23	23
Q1 (25th Percentile)	19	20	19	20	20

Total Students in Report: 53,287

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	53,287	79	23.9	21.6
	Black/African American	3,498	73	19.8	17.7
	American Indian/Alaska Native	156	75	21.5	18.3
	White	34,273	82	24.4	22.4
	Hispanic/Latino	5,514	74	21.7	19.2
	Asian	3,707	83	25.5	23.9
	Native Hawaiian/Other Pac. Isl.	79	84	23.2	20.6
	Two or more races	1,113	80	24.1	22.4
	Prefer not/No Response	4,947	68	24.6	22.4
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	22.6	23.8	23.7	23.1	23.4
	Black/African American	18.2	19.7	19.5	18.9	19.2
	American Indian/Alaska Native	19.2	21.1	21.1	21.0	20.7
	White	23.3	24.2	24.3	23.7	24.0
	Hispanic/Latino	20.0	21.4	21.4	20.8	21.0
	Asian	24.1	27.3	24.7	24.5	25.3
	Native Hawaiian/Other Pac. Isl.	21.8	23.6	22.7	22.6	22.8
	Two or more races	23.0	23.7	24.3	23.4	23.7
	Prefer not/No Response	23.0	24.0	24.1	23.3	23.7
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: 53,287

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	3,903	7	3,186	6	4,399	8	2,114	4
	28 to 32	7,638	14	8,975	17	11,153	21	7,343	14
	24 to 27	11,368	21	17,688	33	10,649	20	15,860	30
	20 to 23	15,026	28	10,484	20	13,292	25	16,381	31
	16 to 19	8,372	16	10,271	19	8,725	16	8,177	15
	13 to 15	4,218	8	2,507	5	3,730	7	2,195	4
	01 to 12	2,762	5	176	0	1,339	3	1,217	2
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	23,798	45	22.3	24.5	23.6	23.8	23.7
	Females	29,487	55	22.9	23.2	23.7	22.6	23.2
	Missing	2	0	19.5	21.5	19.0	21.0	20.0
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	78	72	61	59	47
	Females	81	64	61	50	40
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

Total Students in Report: 53,287

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	42,234	84	23.2	73	24.4	64	24.1	57	23.6	46	23.9
	Less than Core	9,621	66	20.7	50	21.9	48	21.9	40	21.4	31	21.6
	Missing ³	1,432	58	19.4	41	20.8	48	21.7	39	21.6	27	21.0
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	50,954	80	22.8	50,244	70	24.1	46,083	62	23.7	48,652	57	23.5
	Less than Core	926	65	20.0	1,635	16	17.7	5,795	59	23.5	3,219	16	18.3
	Missing ³	1,407	58	19.5	1,408	42	20.8	1,409	49	21.8	1,416	39	21.6
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

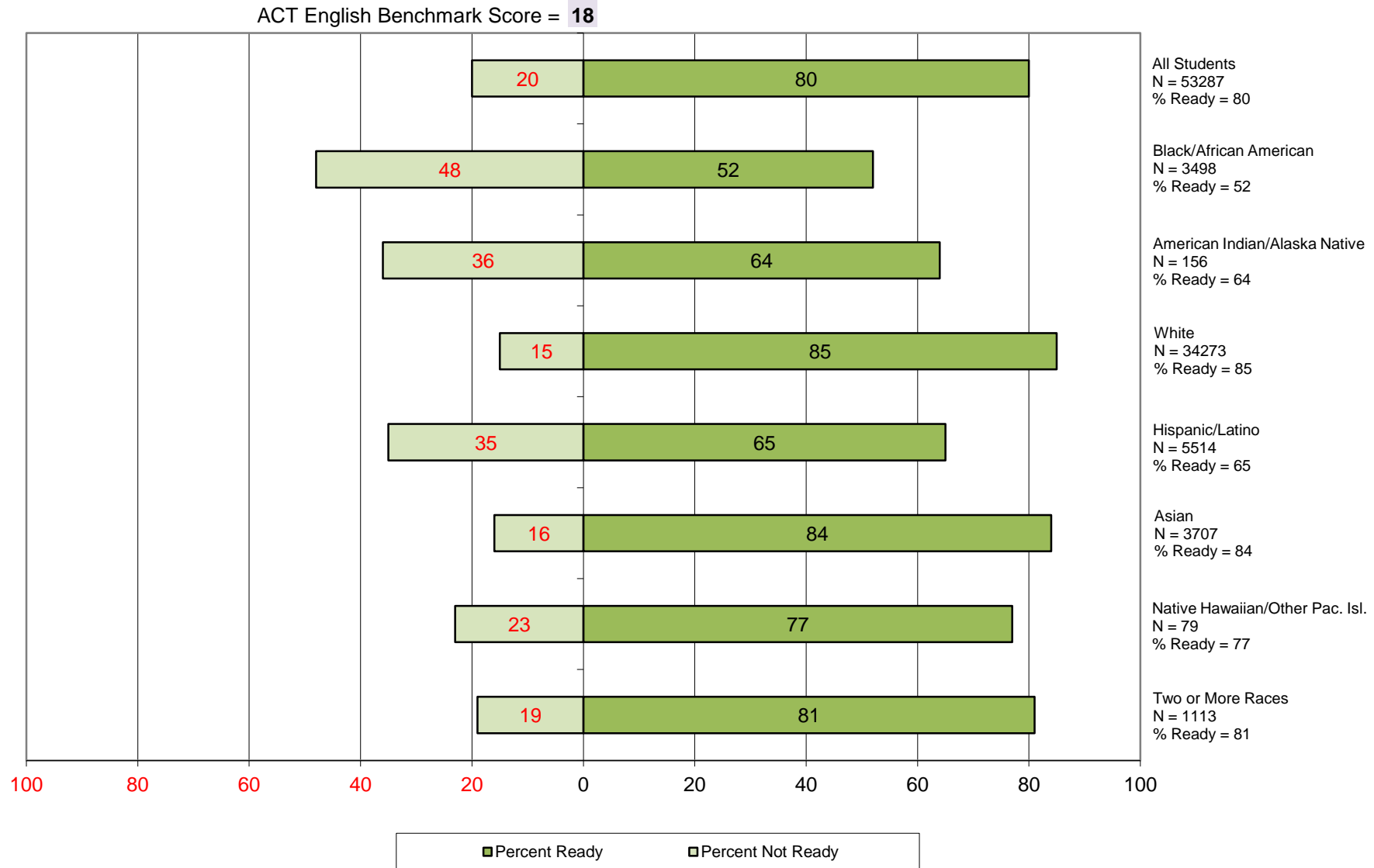


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

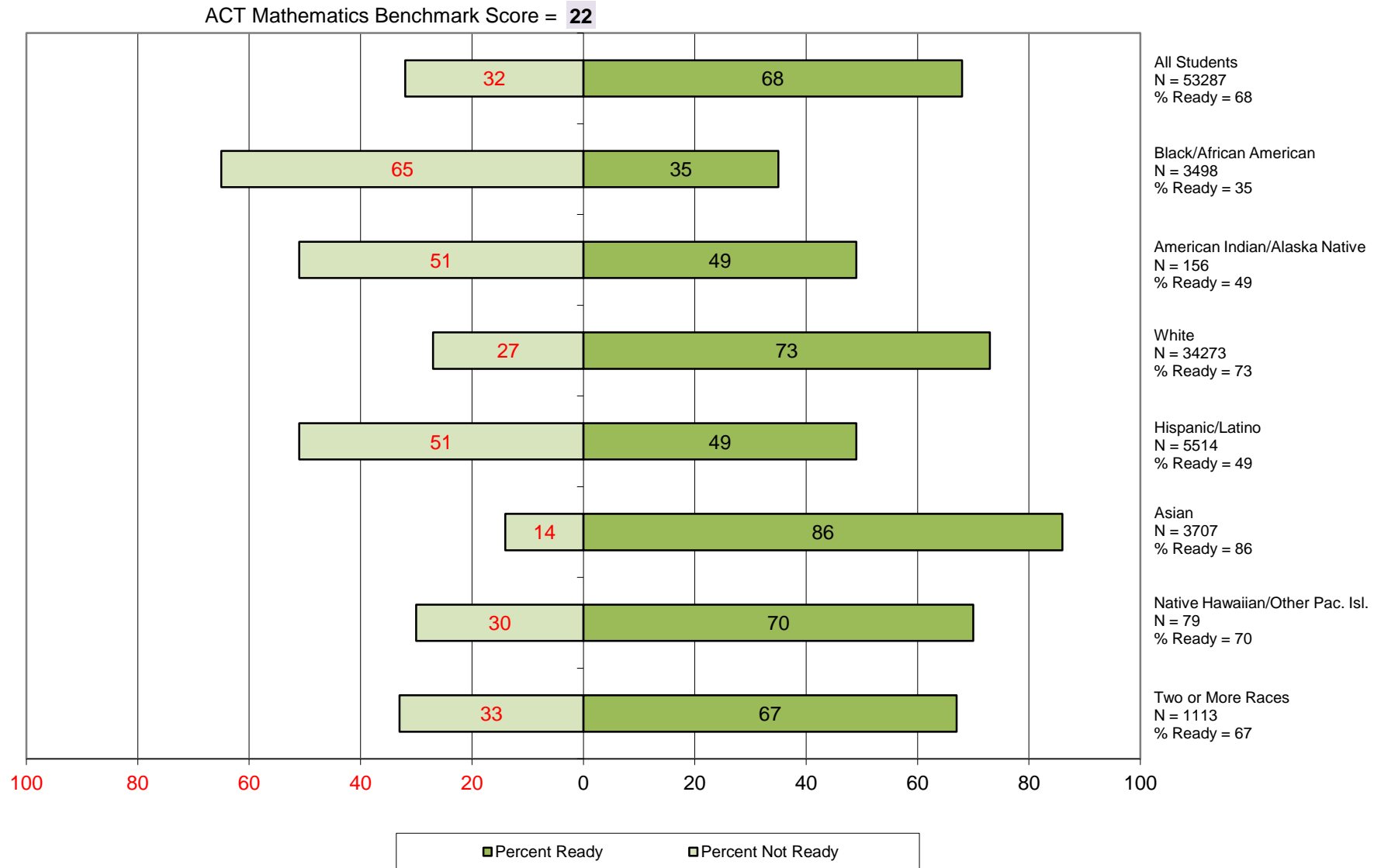


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

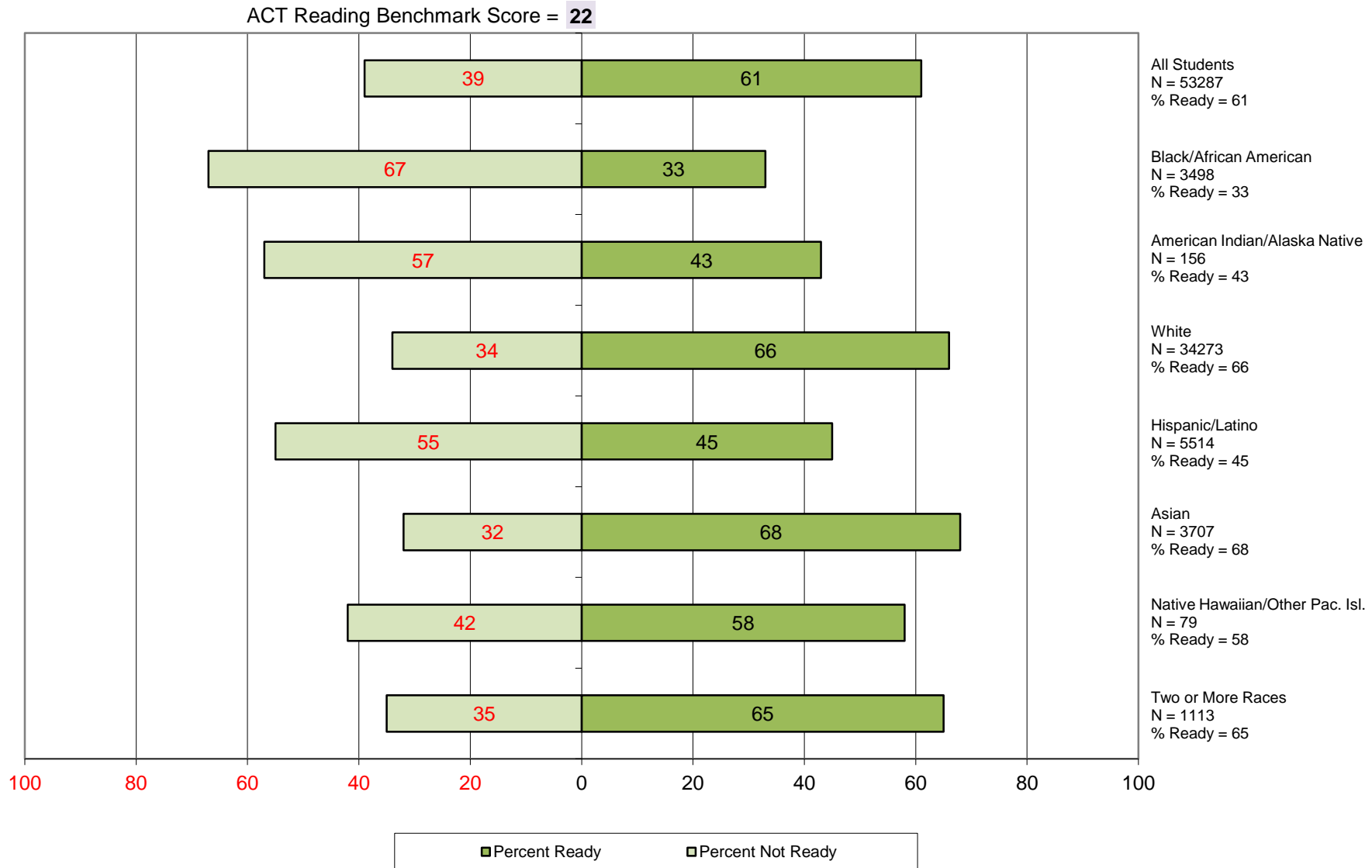


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

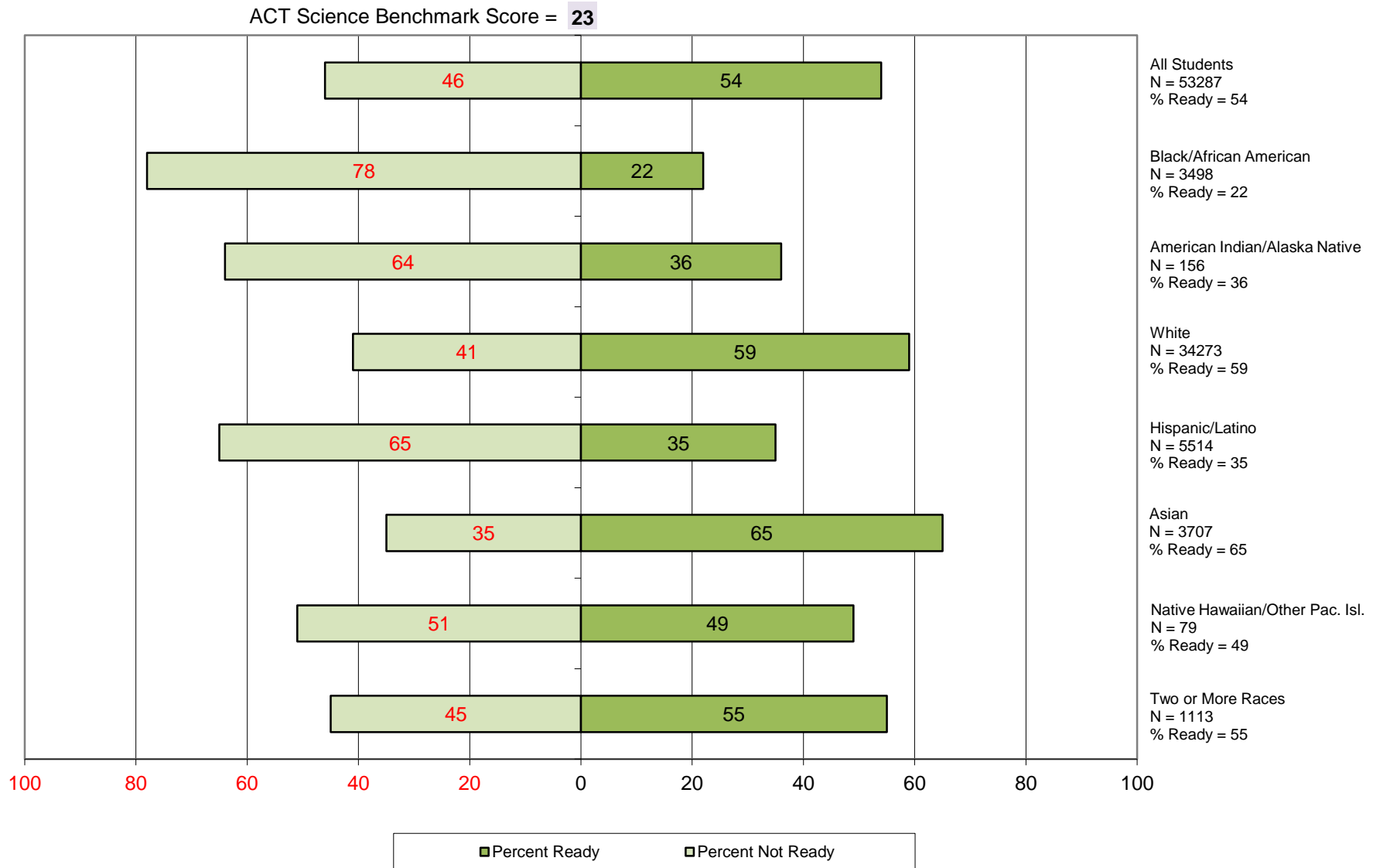
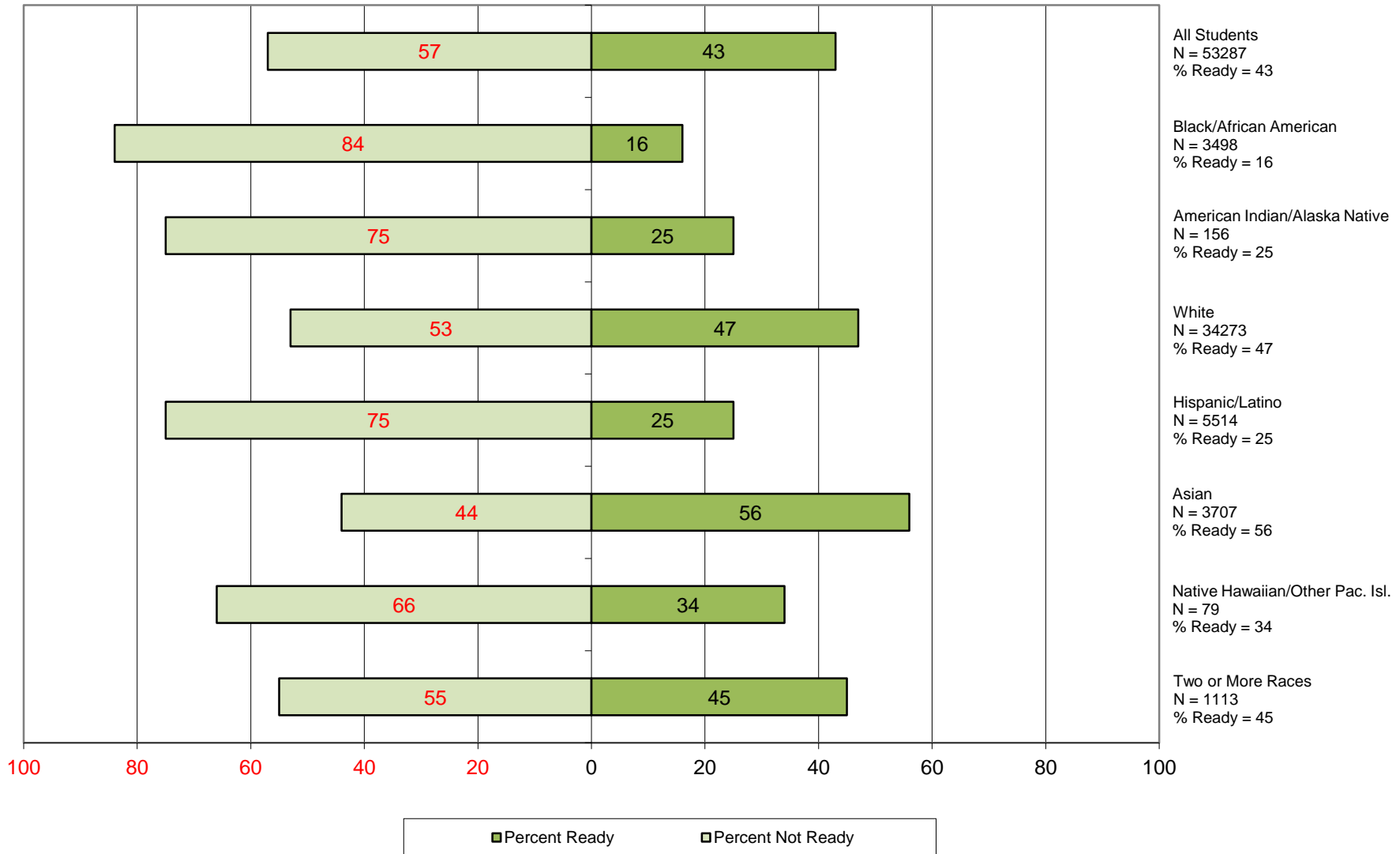


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 53,287

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	15,296	29	23.3	3.3	6,258	26	23.0	2.8	9,038	31	23.6	3.8
Eng 9, Eng 10, Eng 11, Eng 12	35,658	67	22.5	2.5	16,272	68	22.3	2.1	19,386	66	22.7	2.9
Less than 4 years of English	926	2	20.0	-	425	2	20.2	-	501	2	19.8	-
Zero years / no English courses reported	1,407	3	19.5	-	843	4	19.4	-	562	2	19.6	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	8,366	16	24.9	7.2	3,507	15	25.6	7.4	4,859	16	24.4	7.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	8,676	16	22.8	5.1	3,172	13	23.4	5.2	5,504	19	22.5	5.1
Alg 1, Alg 2, Geom, & Trig	6,583	12	20.4	2.7	2,620	11	21.0	2.8	3,963	13	20.0	2.6
Alg 1, Alg 2, Geom, & Other Adv Math	752	1	19.0	1.3	291	1	19.2	1.0	461	2	18.8	1.4
Other comb of 4 or more years of Math	23,313	44	25.9	8.2	11,534	48	26.5	8.3	11,779	40	25.4	8.0
Alg 1, Alg 2, & Geom	1,140	2	17.3	-0.4	485	2	17.4	-0.8	655	2	17.2	-0.2
Other comb of 3 or 3.5 years of Math	1,414	3	22.1	4.4	655	3	22.5	4.3	759	3	21.8	4.4
Less than 3 years of Math	1,635	3	17.7	-	692	3	18.2	-	943	3	17.4	-
Zero years / no Math courses reported	1,408	3	20.8	-	842	4	21.3	-	564	2	20.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,640	3	24.2	0.7	877	4	23.7	0.0	763	3	24.8	1.4
Other comb of 4 or more years Social Science	28,199	53	23.6	0.1	12,066	51	23.6	-0.1	16,133	55	23.7	0.3
US Hist, World Hist, & Am Gov	1,703	3	23.6	0.1	838	4	23.7	0.0	865	3	23.4	0.0
Other comb of 3 or 3.5 years of Social Science	14,541	27	24.0	0.5	6,352	27	23.9	0.2	8,189	28	24.0	0.6
Less than 3 years of Social Science	5,795	11	23.5	-	2,821	12	23.7	-	2,974	10	23.4	-
Zero years / no Social Science courses reported	1,409	3	21.8	-	844	4	21.8	-	563	2	21.8	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	33,556	63	24.2	5.9	15,982	67	24.9	6.4	17,574	60	23.6	5.3
Bio, Chem, Phys	3,268	6	24.0	5.7	1,367	6	25.0	6.5	1,901	6	23.3	5.0
Gen Sci ² , Bio, Chem	10,763	20	21.2	2.9	3,690	16	21.3	2.8	7,073	24	21.1	2.8
Other comb of 3 years of Natural Science	1,065	2	21.0	2.7	581	2	21.6	3.1	484	2	20.4	2.1
Less than 3 years of Natural Science	3,219	6	18.3	-	1,330	6	18.5	-	1,889	6	18.3	-
Zero years / no Natural Science courses reported	1,416	3	21.6	-	848	4	22.0	-	566	2	20.9	-

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: 53,287

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	15,296	29	23.3	83	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	35,658	67	22.5	79	1,265,911	70	20.3	65
Less than 4 years of English	926	2	20.0	65	84,048	5	15.9	36
Zero years / no English courses reported	1,407	3	19.5	58	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	8,366	16	24.9	79	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	8,676	16	22.8	67	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	6,583	12	20.4	40	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	752	1	19.0	26	336,291	19	19.6	32
Other comb of 4 or more years of Math	23,313	44	25.9	82	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	1,140	2	17.3	12	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	1,414	3	22.1	56	88,866	5	19.7	34
Less than 3 years of Math	1,635	3	17.7	16	77,906	4	16.3	7
Zero years / no Math courses reported	1,408	3	20.8	42	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,640	3	24.2	63	50,989	3	22.2	51
Other comb of 4 or more years Social Science	28,199	53	23.6	61	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	1,703	3	23.6	61	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	14,541	27	24.0	63	489,586	27	21.0	43
Less than 3 years of Social Science	5,795	11	23.5	59	171,617	10	19.1	32
Zero years / no Social Science courses reported	1,409	3	21.8	49	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	33,556	63	24.2	64	767,293	43	21.9	46
Bio, Chem, Phys	3,268	6	24.0	62	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	10,763	20	21.2	36	504,165	28	19.9	28
Other comb of 3 years of Natural Science	1,065	2	21.0	36	51,822	3	19.1	25
Less than 3 years of Natural Science	3,219	6	18.3	16	218,267	12	18.0	17
Zero years / no Natural Science courses reported	1,416	3	21.6	39	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: 53,287

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	406	1	22.2	32	5	18.2	317	1	22.6
Architecture	607	1	22.7	5	1	18.6	505	1	22.6
Area, Ethnic, & Multidisciplinary Studies	91	0	25.5	0	0	.	78	0	25.7
Arts: Visual & Performing	2,581	5	22.2	28	4	17.9	2,127	5	22.3
Business	6,083	11	22.9	111	18	20.8	4,987	12	22.9
Communications	1,651	3	22.6	11	2	22.2	1,395	3	22.6
Community, Family, & Personal Services	611	1	20.0	31	5	17.4	516	1	20.2
Computer Science & Mathematics	1,344	3	24.7	13	2	19.3	1,131	3	24.7
Education	2,844	5	21.8	12	2	18.2	2,461	6	21.8
Engineering	4,188	8	25.6	23	4	18.8	3,548	8	25.7
Engineering Technology & Drafting	446	1	21.6	15	2	19.4	371	1	21.8
English & Foreign Languages	769	1	25.0	3	0	15.0	644	2	24.9
Health Administration & Assisting	975	2	20.3	23	4	17.7	782	2	20.3
Health Sciences & Technologies	8,100	15	23.2	68	11	18.2	7,081	17	23.3
Philosophy, Religion, & Theology	118	0	22.6	2	0	17.5	96	0	22.8
Repair, Production, & Construction	143	0	18.9	54	9	18.1	69	0	19.6
Sciences: Biological & Physical	5,530	10	25.1	20	3	19.0	4,759	11	25.1
Social Sciences & Law	4,938	9	23.0	36	6	17.2	4,207	10	23.0
Undecided	10,687	20	23.9	131	21	18.8	7,333	17	23.8
No Response	1,171	2	21.5	9	1	14.1	106	0	22.9

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: 53,287

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	184	20.9	9	15.2	0	.	116	21.5	18	18.0
2-yr College Degree	444	17.9	27	15.6	2	13.5	327	18.3	45	15.1
Bachelors Degree	16,624	21.6	1,038	17.4	60	19.4	11,895	22.3	1,673	19.3
Graduate Study	12,748	24.4	560	20.0	31	22.4	9,151	24.8	1,157	22.5
Prof. Level Degree	13,143	25.0	1,265	21.0	34	21.8	7,206	25.9	1,621	22.5
Other	711	22.1	44	16.9	5	19.6	406	22.8	94	19.0
No Response	9,433	23.6	555	18.0	24	21.4	5,172	24.5	906	20.4

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	184	20.9	29	22.4	0	.	4	17.5	8	21.4
2-yr College Degree	444	17.9	7	20.4	0	.	10	17.3	26	19.2
Bachelors Degree	16,624	21.6	686	22.5	28	21.4	352	21.8	892	21.2
Graduate Study	12,748	24.4	679	25.6	14	21.7	271	24.5	885	24.7
Prof. Level Degree	13,143	25.0	1,423	26.4	26	24.8	317	24.9	1,251	25.5
Other	711	22.1	76	23.7	1	23.0	10	26.4	75	23.1
No Response	9,433	23.6	807	25.6	10	22.9	149	24.7	1,810	23.4

Total Students in Report: 53,287

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY AT BUFFALO/SUNY	New York	1,645	534	1,111	0	3	13	30	34	18	1
BINGHAMTON UNIVERSITY-SUNY	New York	1,247	367	880	0	2	8	23	37	26	3
STONY BROOK UNIVERSITY/SUNY	New York	1,220	408	812	0	3	17	30	32	16	2
ROCHESTER INST OF TECHNOLOGY	New York	819	297	522	0	3	6	23	34	29	5
UNIVERSITY AT ALBANY/SUNY	New York	785	201	584	1	4	20	35	28	12	0
CORNELL UNIVERSITY	New York	751	263	488	0	1	4	12	28	42	13
CITY UNIVERSITY OF NEW YORK	New York	735	449	286	5	13	27	25	20	8	2
SYRACUSE UNIVERSITY	New York	732	211	521	1	4	14	30	31	20	2
STATE UNIV OF NY COLL AT BROCKPORT	New York	717	219	498	1	4	19	43	26	6	0
STATE UNIV OF NY COLL AT CORTLAND	New York	687	194	493	0	3	22	47	23	5	0
STATE UNIV OF NY COLL AT GENESEO	New York	669	195	474	0	0	4	22	40	30	4
STATE UNIV OF NY COLL AT ONEONTA	New York	622	145	477	0	3	20	44	25	8	0
NEW YORK UNIVERSITY	New York	608	194	414	0	2	11	24	33	27	3
STATE UNIV OF NY COLL AT OSWEGO	New York	600	161	439	1	4	18	47	23	7	0
NCAA ELIGIBILITY CENTER	Indiana	535	345	190	1	5	20	32	27	15	1
STATE UNIV OF NEW YORK AT NEW PALTZ	New York	506	123	383	0	3	17	42	28	9	0
STATE UNIV OF NY COLL AT FREDONIA	New York	496	139	357	1	4	18	41	25	11	0
STATE UNIV OF NY COLL AT BUFFALO	New York	465	103	362	2	10	25	38	19	6	0
UNIVERSITY OF ROCHESTER	New York	438	123	315	0	1	3	16	33	37	9
ITHACA COLLEGE	New York	436	94	342	1	2	9	34	33	20	1
HOFSTRA UNIVERSITY	New York	416	89	327	0	5	20	38	26	10	1
CANISIUS COLLEGE	New York	415	160	255	0	3	14	32	33	16	1
ST JOHN FISHER COLLEGE	New York	411	107	304	0	2	15	40	30	11	1
BOSTON UNIVERSITY	Massachusetts	400	105	295	0	1	6	18	36	36	3
CLARKSON UNIVERSITY	New York	389	105	284	0	1	5	23	35	31	5
ADELPHI UNIVERSITY	New York	380	128	252	1	6	28	39	21	6	0
FORDHAM UNIVERSITY	New York	360	82	278	0	4	10	29	33	22	2
STATE UNIV OF NY COLL AT PLATTSBURGH	New York	359	101	258	1	6	26	42	20	5	1
NORTHEASTERN UNIVERSITY	Massachusetts	358	80	278	0	1	3	13	35	43	4
RENSSELAER POLYTECHNIC INSTITUTE	New York	352	91	261	0	0	2	12	28	45	12
All Other Institutions		26,279	7,752	18,527	1	5	17	29	26	18	3
Total		44,832	13,565	31,267	1	4	16	30	28	19	3

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: 53,287

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	42,911	942,769	23.3	21.3	7.5	7.0	22.5	20.5
Black/African American	2,771	114,751	18.8	16.3	7.0	6.1	18.7	16.0
American Indian/Alaska Native	114	6,031	20.0	16.8	7.4	6.1	20.0	16.4
White	26,972	518,407	24.0	22.9	7.6	7.2	23.0	21.9
Hispanic/Latino	4,596	151,504	20.6	18.6	7.3	6.8	20.3	18.3
Asian	3,298	54,580	24.7	23.5	7.8	7.6	23.7	22.7
Native Hawaiian/Other Pac. Isl.	68	2,812	22.4	19.5	7.6	6.9	21.9	19.2
Two or more races	924	35,355	23.6	21.5	7.5	7.0	22.7	20.6
Prefer not/No Response	4,168	59,329	23.7	21.8	7.6	7.1	22.8	20.9
Males	18,758	423,104	23.1	21.0	7.3	6.7	22.2	20.1
Females	24,152	513,945	23.5	21.6	7.6	7.2	22.7	20.9
Missing	1	5,720	19.0	16.6	6.0	6.3	18.0	16.5

