

ACT Profile Report - State

Graduating Class 2013
New Jersey



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Table of Contents

Section I: Executive Summary	Page 5
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Who Met College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT College Reportable Scores by Test Session Duration	
Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration	
Section II: Academic Achievement	Page 11
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Who Met College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
Section III: College Readiness & Impact of Course Rigor	Page 17
Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
Section IV: Career and Educational Aspirations	Page 25
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
Section V: Optional Writing Test Results	Page 29
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

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

40% 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: 24,202 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. 54% 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 1% of the cohort took less than three years of math courses. Of these students, 18% were college ready. 8% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 19% of these students were college ready. In comparison, 70% 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 4% of the cohort took less than three years of natural science courses. 20% of these students were college ready. In comparison, 50% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 29% 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.

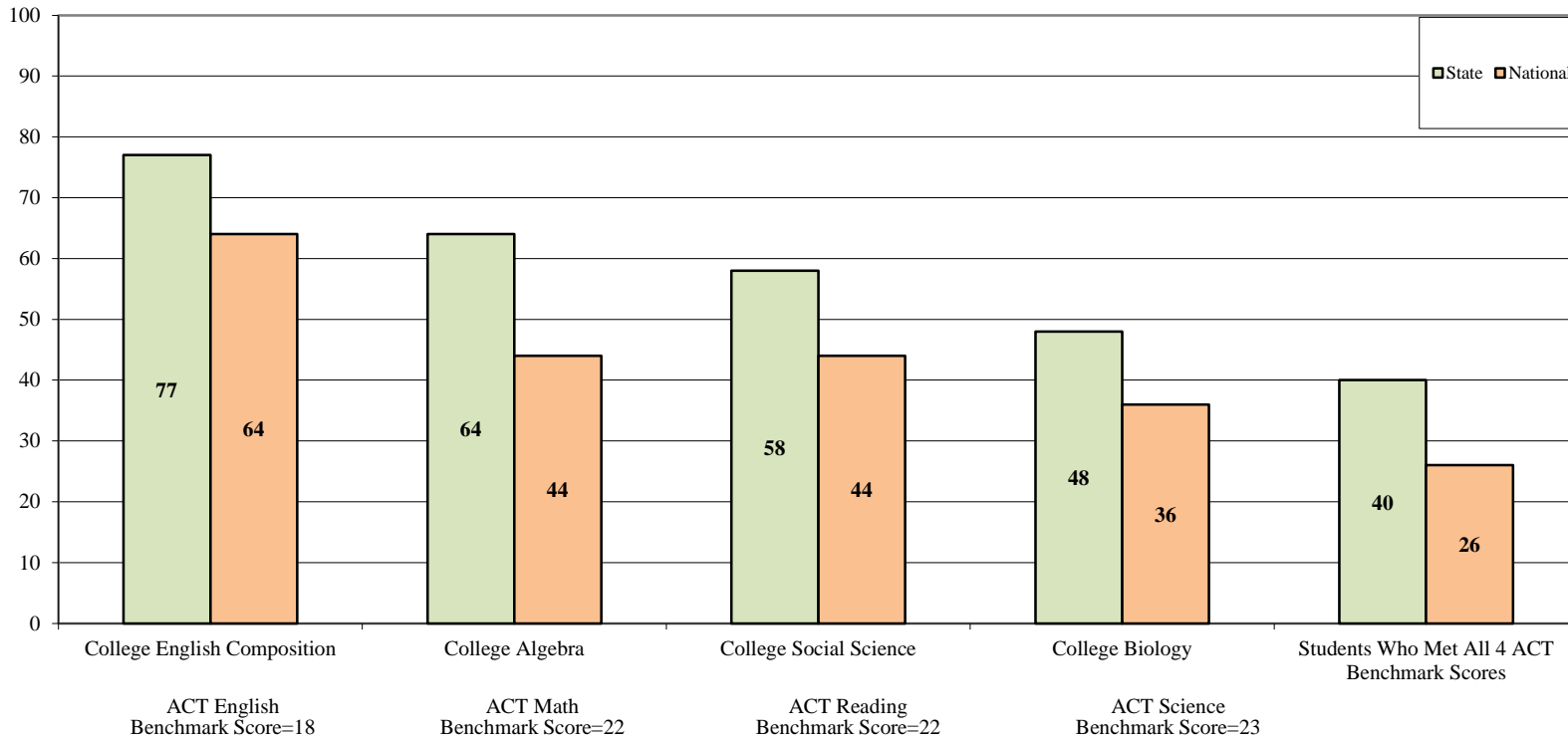
Section I

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: 24,202

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	17,679	1,480,469	81	67	61	42	65	53	38	28	34	23
2010	19,177	1,568,835	82	66	64	43	65	52	40	29	36	24
2011	20,796	1,623,112	81	66	66	45	67	52	41	30	37	25
2012	22,179	1,666,017	81	67	67	46	67	52	43	31	39	25
2013	24,202	1,799,243	77	64	64	44	58	44	48	36	40	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	17,679	1,480,469	22.9	20.6	23.5	21.0	23.2	21.4	22.1	20.9	23.1	21.1
2010	19,177	1,568,835	23.1	20.5	23.6	21.0	23.2	21.3	22.4	20.9	23.2	21.0
2011	20,796	1,623,112	23.1	20.6	23.7	21.1	23.3	21.3	22.4	20.9	23.2	21.1
2012	22,179	1,666,017	23.1	20.5	23.9	21.1	23.4	21.3	22.6	20.9	23.4	21.1
2013	24,202	1,799,243	22.5	20.2	23.6	20.9	23.1	21.1	22.2	20.7	23.0	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: 24,202

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	9,704	7,778	55	44	23.5	22.4	23.9	23.1	23.7	22.6	22.5	21.8	23.5	22.6
2010	10,658	8,379	56	44	23.6	22.4	24.0	23.1	23.7	22.6	22.7	22.0	23.7	22.7
2011	11,728	8,782	56	42	23.7	22.4	24.1	23.3	23.8	22.6	22.7	22.0	23.7	22.7
2012	12,444	9,409	56	42	23.6	22.6	24.3	23.6	23.8	22.8	23.0	22.3	23.8	22.9
2013	12,965	10,465	54	43	23.6	21.6	24.3	23.0	24.0	22.2	22.9	21.6	23.8	22.2

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	17,679	100	23.1	19,177	100	23.2	20,796	100	23.2	22,179	100	23.4	24,202	100	23.0
Black/African American	1,534	9	18.0	1,621	8	18.2	1,830	9	18.1	1,867	8	18.3	2,440	10	17.3
American Indian/Alaska Native	33	0	20.5	36	0	21.5	41	0	20.0	54	0	19.7	58	0	20.3
White	11,647	66	23.4	12,733	66	23.7	13,564	65	23.8	14,217	64	23.9	14,289	59	24.0
Hispanic/Latino	1,080	6	20.9	1,278	7	20.9	1,673	8	20.9	1,915	9	21.2	2,702	11	20.2
Asian	1,235	7	26.0	1,462	8	25.9	1,689	8	26.2	1,835	8	26.2	1,777	7	26.3
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	27	0	22.7	49	0	23.1	54	0	23.1
Two or more races	388	2	23.2	455	2	22.9	393	2	23.4	525	2	23.4	527	2	23.6
Prefer not to respond/No response	1,762	10	24.4	1,592	8	23.8	1,579	8	24.1	1,717	8	24.5	2,355	10	23.4

Total Students in Report: 24,202

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



Total Students in Report: 24,202

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	22,994	95	22.6	23.7	23.1	22.3	23.1
	Extended Time	1,208	5	20.1	20.9	22.1	20.8	21.1
	Total	24,202	100	22.5	23.6	23.1	22.2	23.0
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	78	65	58	48	40
	Extended Time	65	43	51	37	30
	Total	77	64	58	48	40
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: 24,202

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	150	100	218	100	388	100	193	100	34	100	36
35	444	99	398	99	137	98	270	99	160	100	35
34	674	98	692	97	709	98	200	98	321	99	34
33	670	95	457	95	749	95	207	97	469	98	33
32	514	92	577	93	848	92	356	96	582	96	32
31	706	90	506	90	1,260	88	482	95	757	94	31
30	690	87	786	88	881	83	620	93	862	90	30
29	813	84	908	85	884	79	665	90	1,035	87	29
28	981	81	1,370	81	923	76	800	88	1,192	83	28
27	951	77	1,660	76	966	72	905	84	1,308	78	27
26	1,286	73	1,777	69	958	68	1,200	81	1,513	72	26
25	1,365	67	1,870	61	978	64	2,079	76	1,503	66	25
24	1,593	62	1,700	54	1,586	60	2,003	67	1,686	60	24
23	1,607	55	1,538	47	1,156	53	1,543	59	1,634	53	23
22	1,345	49	1,121	40	1,517	49	1,814	52	1,622	46	22
21	1,718	43	1,026	36	1,516	42	2,180	45	1,545	39	21
20	1,469	36	674	31	1,447	36	1,500	36	1,339	33	20
19	942	30	1,068	29	1,083	30	1,522	30	1,161	27	19
18	805	26	1,110	24	1,123	26	1,145	23	1,102	23	18
17	678	23	1,404	20	850	21	801	19	937	18	17
16	884	20	1,579	14	812	18	988	15	866	14	16
15	893	16	990	7	897	14	658	11	765	11	15
14	631	12	456	3	588	10	498	9	561	7	14
13	450	10	185	1	648	8	453	6	542	5	13
12	398	8	84	1	528	5	338	5	407	3	12
11	501	6	26	1	309	3	396	3	190	1	11
10	397	4	7	1	253	2	178	2	62	1	10
9	235	3	7	1	75	1	90	1	28	1	9
8	236	2	3	1	56	1	44	1	10	1	8
7	109	1	0	1	41	1	24	1	5	1	7
6	33	1	3	1	18	1	22	1	2	1	6
5	22	1	0	1	5	1	11	1	1	1	5
4	6	1	1	1	7	1	6	1	1	1	4
3	5	1	0	1	4	1	5	1	0	1	3
2	1	1	0	1	1	1	0	1	0	1	2
1	0	1	1	1	1	1	6	1	0	1	1
Avg (SD)	22.5 (6.6)		23.6 (5.7)		23.1 (6.5)		22.2 (5.5)		23.0 (5.6)		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: 24,202

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	1,458	100	720	100	1,165	100	1,332	100	2,171	100	453	100	647	100	18
17	1,898	94	250	97	1,607	95	1,756	94	1,972	91	761	98	117	97	17
16	1,518	86	2,029	96	1,791	89	2,051	87	1,900	83	1,072	95	2,059	97	16
15	1,548	80	2,151	88	1,932	81	2,075	79	2,490	75	2,589	91	2,276	88	15
14	1,753	73	2,269	79	1,699	73	2,017	70	1,955	65	2,990	80	2,571	79	14
13	1,772	66	2,478	69	2,034	66	1,972	62	2,312	57	3,209	68	2,760	68	13
12	1,785	59	3,081	59	2,810	58	1,910	54	2,211	47	2,781	54	3,462	57	12
11	2,653	52	2,324	46	2,202	46	2,210	46	2,154	38	2,409	43	2,173	43	11
10	2,379	41	2,098	37	1,962	37	1,859	37	1,533	29	2,711	33	1,959	34	10
9	1,816	31	1,987	28	1,752	29	1,506	29	1,297	23	1,733	22	2,730	26	9
8	1,363	23	1,560	20	1,714	22	1,573	23	1,552	17	1,793	14	1,393	14	8
7	1,276	18	997	13	1,502	15	1,357	16	1,425	11	562	7	859	8	7
6	923	12	703	9	864	8	1,020	11	624	5	580	5	485	5	6
5	933	9	704	6	637	5	781	6	403	3	158	2	296	3	5
4	544	5	509	4	298	2	515	3	120	1	213	2	159	2	4
3	414	2	267	1	108	1	173	1	64	1	123	1	152	1	3
2	145	1	61	1	80	1	88	1	17	1	18	1	59	1	2
1	24	1	14	1	45	1	7	1	2	1	47	1	45	1	1
Avg (SD)	11.5 (4.0)		11.5 (3.5)		11.7 (3.7)		11.8 (3.9)		12.6 (3.6)		11.9 (3.0)		11.8 (3.1)		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	28	25	27
Q2 (50th Percentile)	23	24	23	22	23
Q1 (25th Percentile)	18	19	18	19	19

Total Students in Report: 24,202

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	24,202	54	23.8	22.2
	Black/African American	2,440	40	18.2	16.9
	American Indian/Alaska Native	58	47	21.0	19.6
	White	14,289	58	24.3	23.5
	Hispanic/Latino	2,702	44	21.6	19.4
	Asian	1,777	54	26.6	26.0
	Native Hawaiian/Other Pac. Isl.	54	57	23.9	22.3
	Two or more races	527	57	24.2	22.8
	Prefer not/No Response	2,355	49	24.9	23.0
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	22.5	23.6	23.1	22.2	23.0
	Black/African American	16.1	18.3	17.3	17.0	17.3
	American Indian/Alaska Native	19.3	20.9	20.2	20.2	20.3
	White	23.7	24.3	24.2	23.1	24.0
	Hispanic/Latino	19.3	21.0	20.1	19.6	20.2
	Asian	25.8	28.0	25.7	25.1	26.3
	Native Hawaiian/Other Pac. Isl.	22.3	24.3	22.9	22.2	23.1
	Two or more races	23.3	24.0	23.8	22.6	23.6
	Prefer not/No Response	23.0	24.1	23.6	22.5	23.4
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: 24,202

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	1,938	8	1,765	7	1,983	8	870	4
	28 to 32	3,704	15	4,147	17	4,796	20	2,923	12
	24 to 27	5,195	21	7,007	29	4,488	19	6,187	26
	20 to 23	6,139	25	4,359	18	5,636	23	7,037	29
	16 to 19	3,309	14	5,161	21	3,868	16	4,456	18
	13 to 15	1,974	8	1,631	7	2,133	9	1,609	7
	01 to 12	1,943	8	132	1	1,298	5	1,120	5
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	10,925	45	22.3	24.2	23.0	22.8	23.2
	Females	13,070	54	22.8	23.1	23.2	21.7	22.8
	Missing	207	1	16.7	21.3	18.1	18.8	18.8
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	76	68	57	52	43
	Females	79	62	59	44	37
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

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	12,965	83	23.6	70	24.3	64	24.0	53	22.9	45	23.8
	Less than Core	10,465	72	21.6	59	23.0	52	22.2	43	21.6	35	22.2
	Missing ³	772	48	17.3	39	20.0	34	19.0	26	18.8	19	18.9
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	22,864	79	22.9	23,128	66	23.8	13,572	63	23.9	22,469	50	22.5
	Less than Core	636	34	15.8	358	18	17.4	9,891	52	22.3	1,002	20	18.1
	Missing ³	702	51	17.7	716	40	20.1	739	35	19.1	731	27	19.1
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

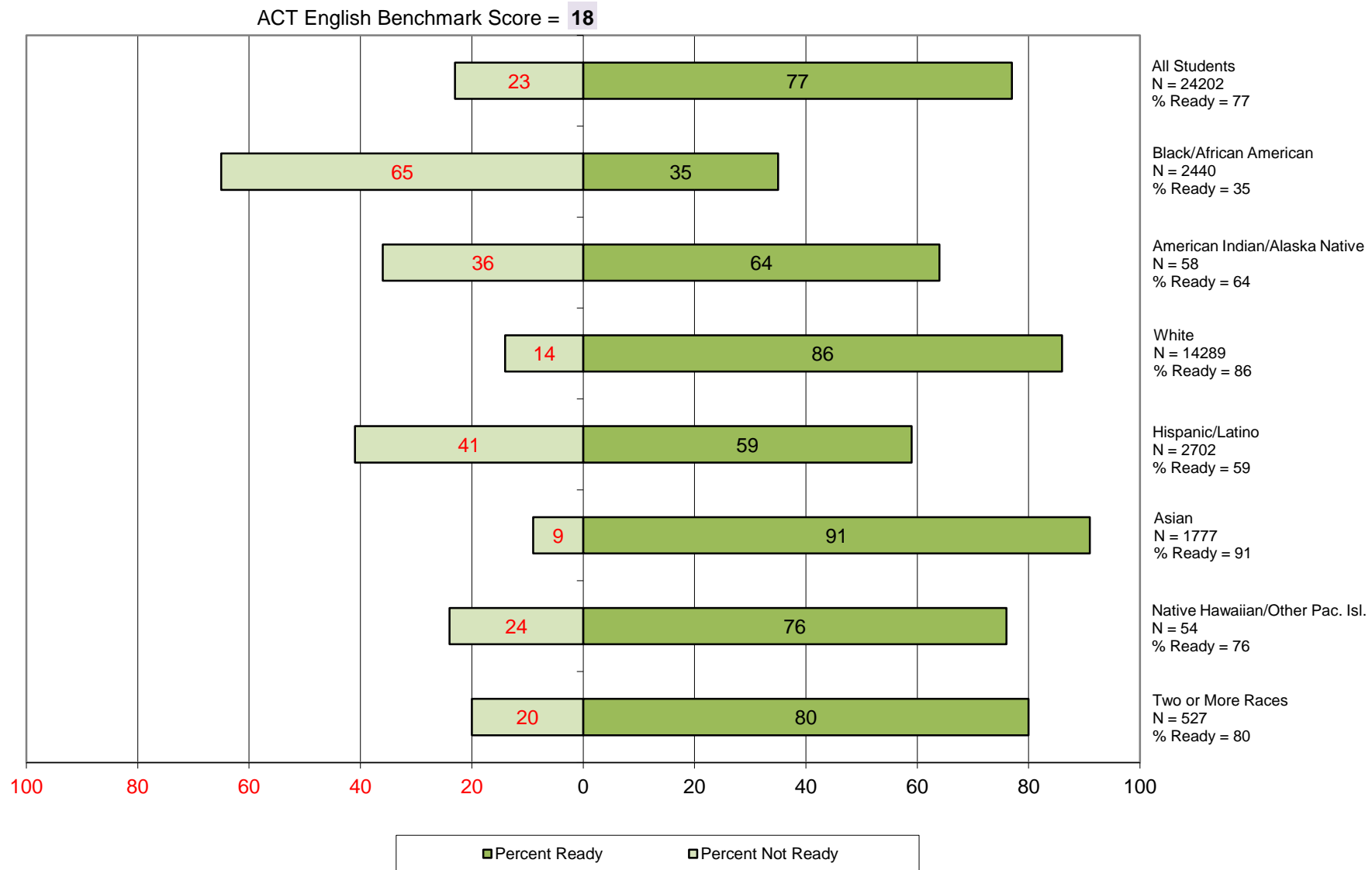


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

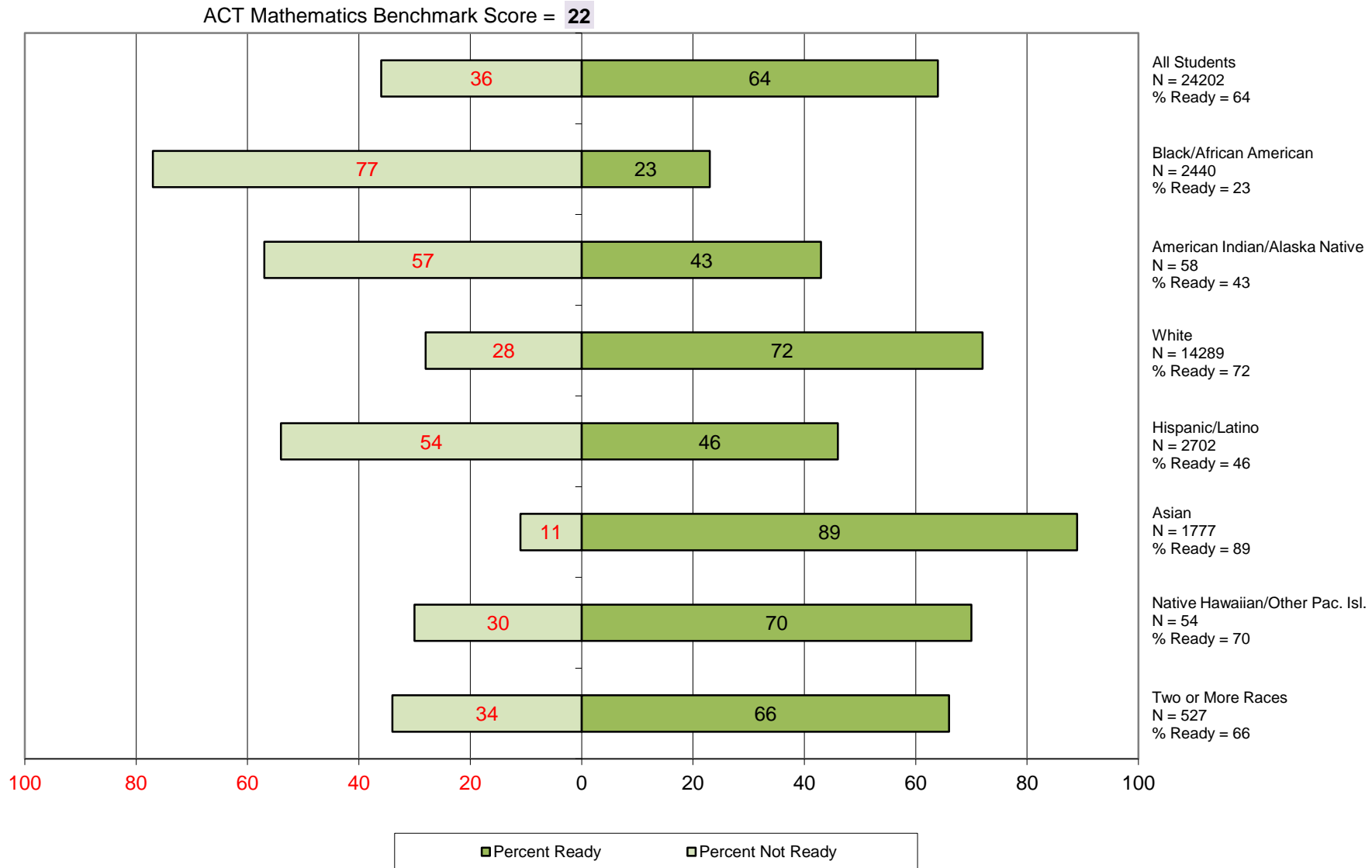


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

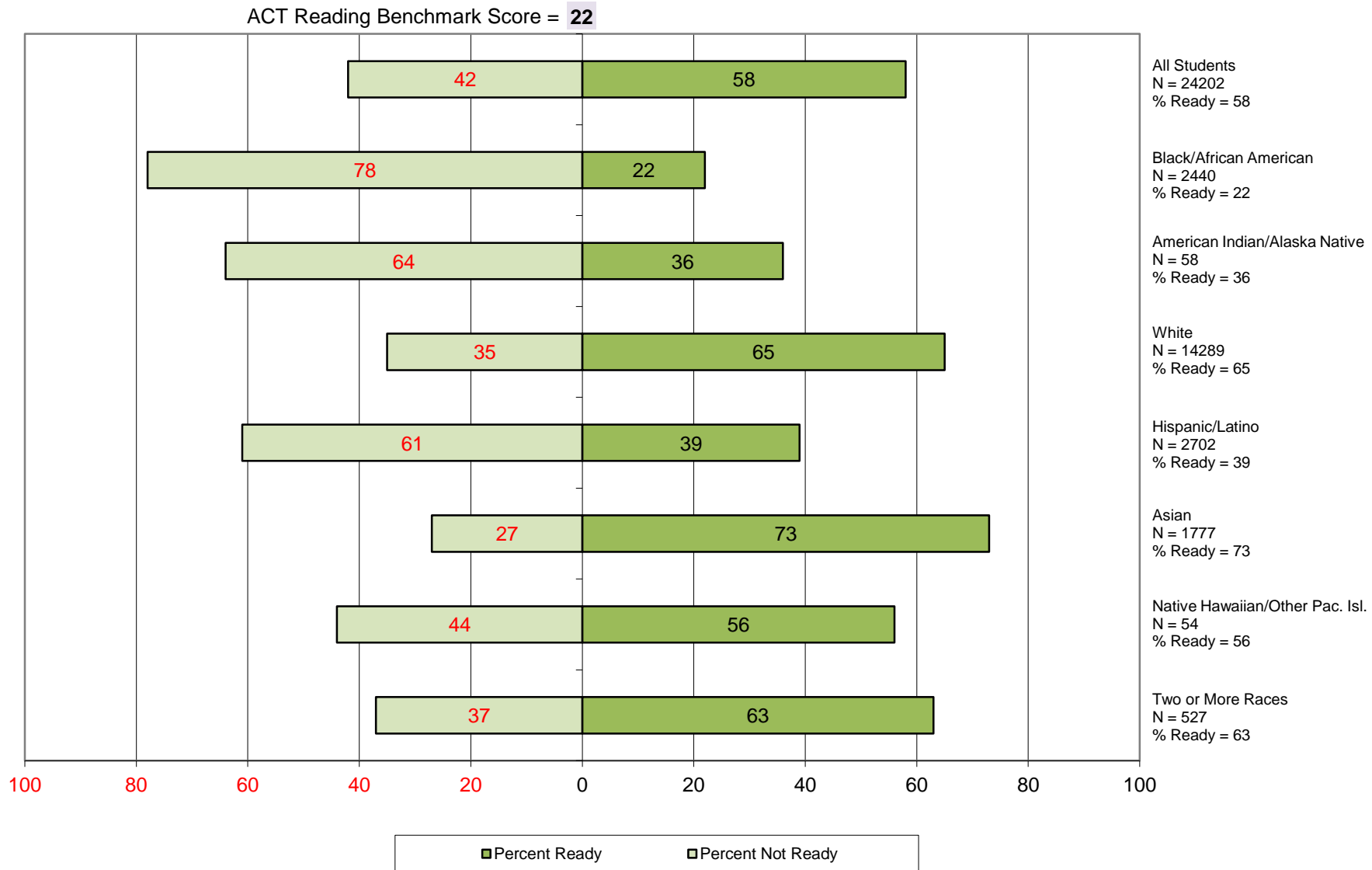


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

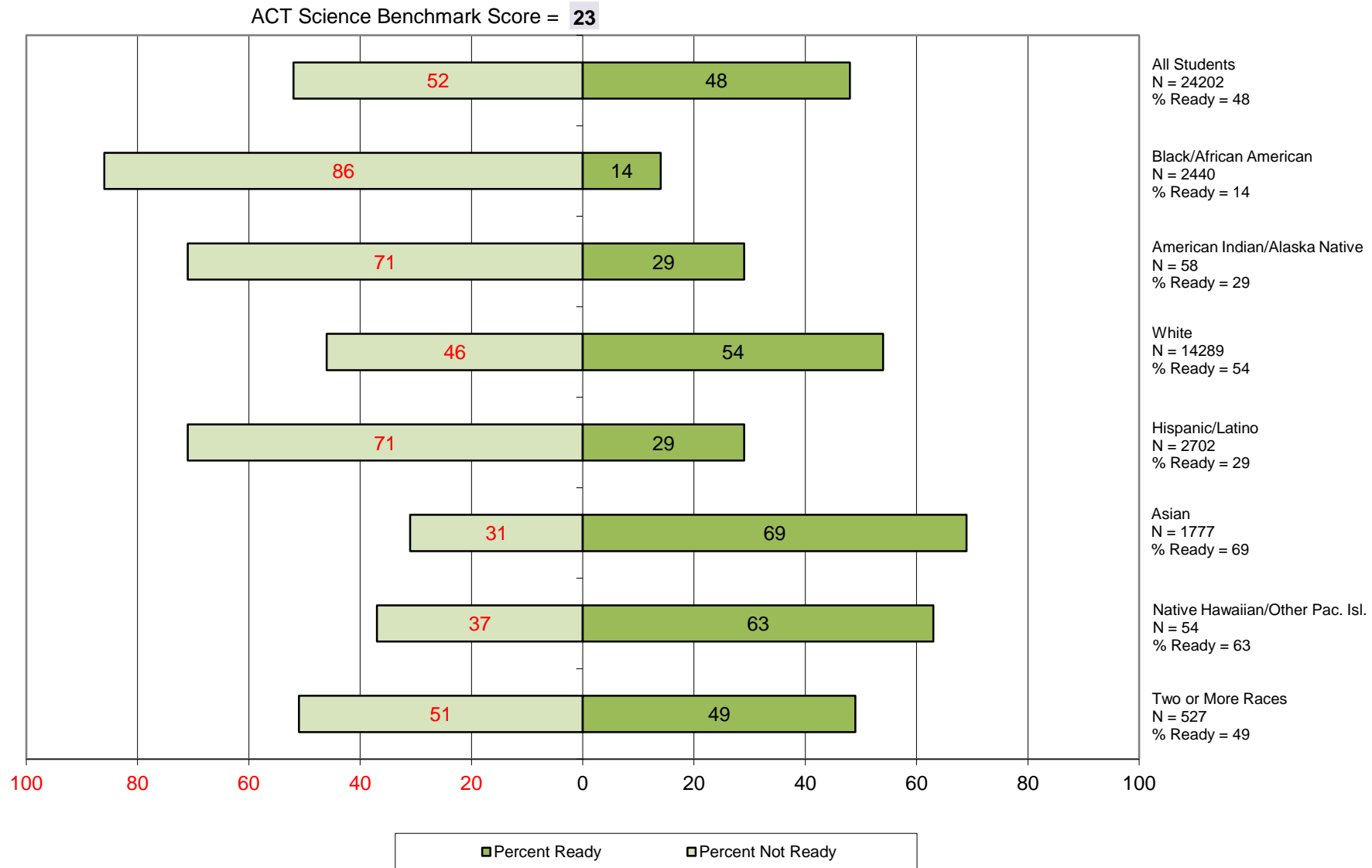
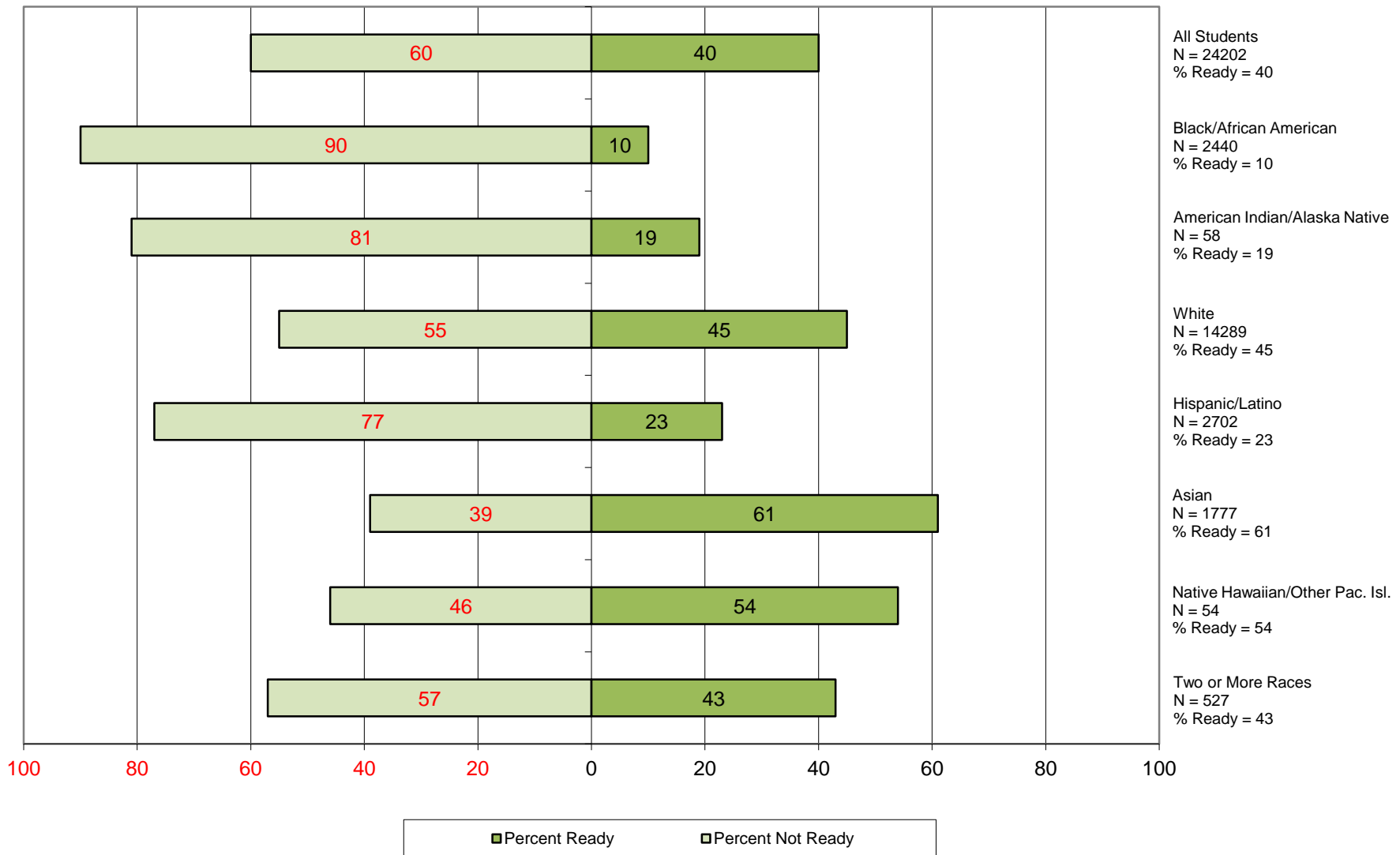


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 24,202

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	5,267	22	23.3	7.5	2,204	20	22.9	7.5	3,051	23	23.7	7.5
Eng 9, Eng 10, Eng 11, Eng 12	17,597	73	22.7	6.9	8,115	74	22.5	7.1	9,465	72	22.9	6.7
Less than 4 years of English	636	3	15.8	-	293	3	15.4	-	335	3	16.2	-
Zero years / no English courses reported	702	3	17.7	-	313	3	17.7	-	219	2	17.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,361	10	25.8	8.4	1,052	10	26.4	9.3	1,308	10	25.4	7.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,621	7	22.5	5.1	582	5	22.7	5.6	1,037	8	22.5	4.8
Alg 1, Alg 2, Geom, & Trig	1,319	5	20.7	3.3	533	5	20.9	3.8	785	6	20.5	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	3,322	14	20.7	3.3	1,224	11	21.1	4.0	2,093	16	20.5	2.8
Other comb of 4 or more years of Math	11,306	47	26.0	8.6	5,662	52	26.5	9.4	5,637	43	25.5	7.8
Alg 1, Alg 2, & Geom	1,881	8	18.0	0.6	787	7	17.9	0.8	1,086	8	18.0	0.3
Other comb of 3 or 3.5 years of Math	1,318	5	22.2	4.8	593	5	22.3	5.2	719	6	22.2	4.5
Less than 3 years of Math	358	1	17.4	-	170	2	17.1	-	183	1	17.7	-
Zero years / no Math courses reported	716	3	20.1	-	322	3	19.7	-	222	2	19.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,137	5	24.0	1.7	611	6	23.4	1.3	525	4	24.8	2.4
Other comb of 4 or more years Social Science	5,567	23	23.8	1.5	2,756	25	23.8	1.7	2,803	21	23.8	1.4
US Hist, World Hist, & Am Gov	996	4	23.9	1.6	499	5	23.7	1.6	497	4	24.1	1.7
Other comb of 3 or 3.5 years of Social Science	5,872	24	23.9	1.6	2,529	23	23.8	1.7	3,342	26	24.0	1.6
Less than 3 years of Social Science	9,891	41	22.3	-	4,194	38	22.1	-	5,675	43	22.4	-
Zero years / no Social Science courses reported	739	3	19.1	-	336	3	19.2	-	228	2	18.9	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	13,515	56	23.0	4.9	6,460	59	23.7	6.1	7,044	54	22.5	4.0
Bio, Chem, Phys	4,269	18	23.9	5.8	1,967	18	24.7	7.1	2,298	18	23.3	4.8
Gen Sci ² , Bio, Chem	4,497	19	19.6	1.5	1,665	15	19.3	1.7	2,829	22	19.7	1.2
Other comb of 3 years of Natural Science	188	1	17.2	-0.9	87	1	17.2	-0.4	98	1	17.4	-1.1
Less than 3 years of Natural Science	1,002	4	18.1	-	418	4	17.6	-	573	4	18.5	-
Zero years / no Natural Science courses reported	731	3	19.1	-	328	3	19.5	-	228	2	18.1	-

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: 24,202

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	5,267	22	23.3	81	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	17,597	73	22.7	79	1,265,911	70	20.3	65
Less than 4 years of English	636	3	15.8	34	84,048	5	15.9	36
Zero years / no English courses reported	702	3	17.7	51	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,361	10	25.8	83	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,621	7	22.5	65	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	1,319	5	20.7	43	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	3,322	14	20.7	44	336,291	19	19.6	32
Other comb of 4 or more years of Math	11,306	47	26.0	80	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	1,881	8	18.0	19	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	1,318	5	22.2	57	88,866	5	19.7	34
Less than 3 years of Math	358	1	17.4	18	77,906	4	16.3	7
Zero years / no Math courses reported	716	3	20.1	40	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,137	5	24.0	63	50,989	3	22.2	51
Other comb of 4 or more years Social Science	5,567	23	23.8	62	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	996	4	23.9	63	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	5,872	24	23.9	63	489,586	27	21.0	43
Less than 3 years of Social Science	9,891	41	22.3	52	171,617	10	19.1	32
Zero years / no Social Science courses reported	739	3	19.1	35	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	13,515	56	23.0	54	767,293	43	21.9	46
Bio, Chem, Phys	4,269	18	23.9	61	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	4,497	19	19.6	25	504,165	28	19.9	28
Other comb of 3 years of Natural Science	188	1	17.2	13	51,822	3	19.1	25
Less than 3 years of Natural Science	1,002	4	18.1	20	218,267	12	18.0	17
Zero years / no Natural Science courses reported	731	3	19.1	27	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: 24,202

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	124	1	22.5	4	1	11.0	104	1	23.0
Architecture	251	1	22.9	4	1	19.3	214	1	22.8
Area, Ethnic, & Multidisciplinary Studies	22	0	23.5	1	0	12.0	18	0	23.3
Arts: Visual & Performing	1,274	5	20.9	41	14	13.3	1,083	5	21.1
Business	3,417	14	23.1	55	19	19.2	2,892	15	22.9
Communications	923	4	22.1	6	2	16.8	814	4	22.0
Community, Family, & Personal Services	328	1	17.7	26	9	14.6	277	1	18.0
Computer Science & Mathematics	597	2	24.0	14	5	15.1	508	3	24.2
Education	1,242	5	20.7	8	3	13.6	1,080	5	20.7
Engineering	2,062	9	25.7	18	6	15.3	1,759	9	25.6
Engineering Technology & Drafting	177	1	21.3	9	3	14.1	143	1	21.9
English & Foreign Languages	280	1	25.0	1	0	14.0	243	1	25.0
Health Administration & Assisting	310	1	18.9	7	2	14.1	263	1	19.0
Health Sciences & Technologies	3,196	13	22.6	15	5	15.9	2,826	14	22.5
Philosophy, Religion, & Theology	55	0	23.7	0	0	.	48	0	23.7
Repair, Production, & Construction	32	0	17.1	11	4	16.2	19	0	17.3
Sciences: Biological & Physical	2,271	9	25.0	4	1	18.0	1,984	10	24.9
Social Sciences & Law	2,174	9	22.5	14	5	17.2	1,907	10	22.3
Undecided	4,716	19	23.8	29	10	19.1	3,449	17	23.5
No Response	733	3	18.0	22	8	13.5	102	1	18.4

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: 24,202

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	132	17.4	41	12.9	1	16.0	42	21.5	22	15.0
2-yr College Degree	160	14.9	61	13.7	2	13.0	36	18.1	40	14.4
Bachelors Degree	8,475	21.0	924	15.9	19	18.6	5,529	22.2	951	18.6
Graduate Study	5,938	24.3	401	18.6	15	22.1	3,942	24.8	561	22.1
Prof. Level Degree	5,334	24.6	683	19.5	8	23.9	2,579	26.0	730	21.8
Other	268	21.0	37	15.2	0	.	136	22.8	37	17.4
No Response	3,895	23.6	293	16.7	13	20.2	2,025	24.9	361	19.1

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	132	17.4	10	23.5	0	.	2	21.5	14	17.2
2-yr College Degree	160	14.9	2	15.5	0	.	8	12.9	11	14.0
Bachelors Degree	8,475	21.0	347	23.2	15	19.5	173	21.3	517	20.8
Graduate Study	5,938	24.3	408	26.9	15	24.4	125	24.8	471	25.1
Prof. Level Degree	5,334	24.6	650	27.1	19	25.1	155	24.6	510	25.5
Other	268	21.0	22	22.6	1	13.0	5	21.8	30	22.9
No Response	3,895	23.6	338	27.3	4	25.3	59	26.5	802	23.0

Total Students in Report: 24,202

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
RUTGERS THE ST UNIV OF NEW JERSEY	New Jersey	2,089	782	1,307	6	14	21	25	21	11	2
MONTCLAIR STATE UNIVERSITY	New Jersey	878	216	662	5	21	36	26	8	2	0
ROWAN UNIVERSITY	New Jersey	588	153	435	2	11	28	36	18	6	0
COLLEGE OF NEW JERSEY THE	New Jersey	563	151	412	1	3	13	28	32	20	2
KEAN UNIVERSITY	New Jersey	498	125	373	13	31	31	19	5	1	0
UNIVERSITY OF DELAWARE	Delaware	489	130	359	0	3	13	33	34	16	1
WILLIAM PATERSON UNIVERSITY	New Jersey	428	101	327	6	22	40	24	7	1	0
SETON HALL UNIVERSITY	New Jersey	417	108	309	9	19	28	27	13	4	0
RICHARD STOCKTON COLLEGE OF NEW JERSEY	New Jersey	388	129	259	3	11	36	34	13	3	0
RAMAPO COLLEGE OF NEW JERSEY	New Jersey	364	89	275	2	11	32	31	18	5	0
MONMOUTH UNIVERSITY	New Jersey	337	78	259	3	8	34	35	15	4	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	337	93	244	2	9	19	30	26	13	1
NEW YORK UNIVERSITY	New York	314	111	203	5	12	15	18	26	20	4
NCAA ELIGIBILITY CENTER	Indiana	302	204	98	2	11	24	27	23	13	1
DREXEL UNIVERSITY	Pennsylvania	301	66	235	0	2	11	31	33	21	2
NEW JERSEY INSTITUTE OF TECHNOLOGY	New Jersey	280	86	194	9	20	18	20	20	10	2
UNIVERSITY OF PENNSYLVANIA	Pennsylvania	278	118	160	1	1	6	18	32	31	11
RIDER UNIVERSITY	New Jersey	266	51	215	2	14	33	35	15	2	0
ESSEX COUNTY COLLEGE	New Jersey	260	172	88	35	45	18	2	0	0	0
PRINCETON UNIVERSITY	New Jersey	257	83	174	4	13	11	13	21	26	11
BOSTON UNIVERSITY	Massachusetts	248	58	190	1	1	4	20	41	31	3
FAIRLEIGH DICKINSON UNIVERSITY	New Jersey	204	42	162	3	18	30	29	15	4	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	204	204	0	24	30	33	10	3	0	0
NORTHEASTERN UNIVERSITY	Massachusetts	203	41	162	0	1	2	17	33	42	4
UNIVERSITY OF MARYLAND COLLEGE PARK	Maryland	201	43	158	1	2	7	25	39	24	1
VILLANOVA UNIVERSITY	Pennsylvania	195	60	135	0	3	5	24	37	29	3
BLOOMFIELD COLLEGE	New Jersey	183	46	137	33	39	21	6	1	0	0
CORNELL UNIVERSITY	New York	173	49	124	1	1	8	10	34	31	16
JAMES MADISON UNIVERSITY	Virginia	171	51	120	0	1	9	34	44	12	0
QUINNIPIAC UNIVERSITY	Connecticut	167	39	128	0	2	17	41	32	7	1
All Other Institutions		13,822	3,708	10,114	5	12	18	25	22	15	3
Total		25,405	7,387	18,018	5	12	20	25	22	14	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: 24,202

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	20,822	942,769	23.0	21.3	7.8	7.0	22.5	20.5
Black/African American	2,038	114,751	16.3	16.3	6.8	6.1	16.7	16.0
American Indian/Alaska Native	48	6,031	19.8	16.8	7.3	6.1	19.7	16.4
White	12,154	518,407	24.2	22.9	7.9	7.2	23.6	21.9
Hispanic/Latino	2,340	151,504	19.6	18.6	7.4	6.8	19.6	18.3
Asian	1,647	54,580	26.2	23.5	8.2	7.6	25.2	22.7
Native Hawaiian/Other Pac. Isl.	47	2,812	22.8	19.5	7.7	6.9	22.4	19.2
Two or more races	461	35,355	23.8	21.5	7.8	7.0	23.1	20.6
Prefer not/No Response	2,087	59,329	23.5	21.8	7.8	7.1	22.9	20.9
Males	9,157	423,104	22.8	21.0	7.6	6.7	22.2	20.1
Females	11,465	513,945	23.2	21.6	7.9	7.2	22.8	20.9
Missing	200	5,720	16.9	16.6	7.3	6.3	17.6	16.5

