

ACT Profile Report - State

Graduating Class 2013
Vermont



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

39% 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: 2,005 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. 66% 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 6% of the cohort took less than three years of math courses. Of these students, 16% were college ready. 9% 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 7% of the cohort took less than three years of natural science courses. 19% of these students were college ready. In comparison, 53% 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 31% 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.

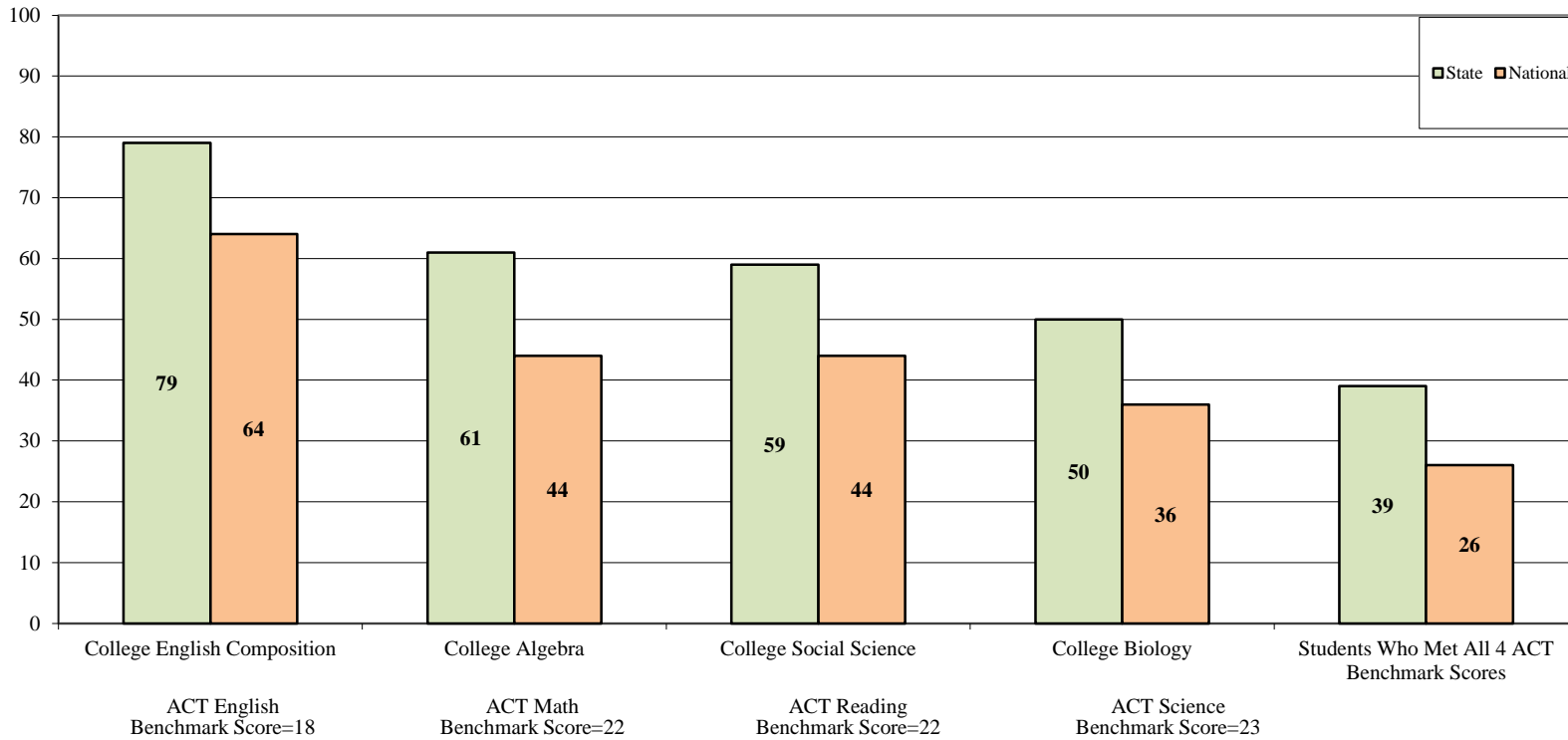
Section I

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: 2,005

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	2,008	1,480,469	80	67	56	42	68	53	40	28	34	23
2010	2,054	1,568,835	80	66	61	43	66	52	43	29	36	24
2011	2,053	1,623,112	78	66	58	45	63	52	39	30	33	25
2012	2,009	1,666,017	78	67	62	46	66	52	43	31	37	25
2013	2,005	1,799,243	79	64	61	44	59	44	50	36	39	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	2,008	1,480,469	22.9	20.6	22.9	21.0	23.7	21.4	22.5	20.9	23.1	21.1
2010	2,054	1,568,835	22.8	20.5	22.8	21.0	23.7	21.3	22.8	20.9	23.2	21.0
2011	2,053	1,623,112	22.5	20.6	22.6	21.1	23.0	21.3	22.2	20.9	22.7	21.1
2012	2,009	1,666,017	22.6	20.5	22.9	21.1	23.3	21.3	22.6	20.9	23.0	21.1
2013	2,005	1,799,243	22.7	20.2	22.8	20.9	23.4	21.1	22.6	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: 2,005

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	1,299	635	65	32	23.5	21.8	23.4	22.1	24.3	22.7	23.0	21.8	23.7	22.2
2010	1,429	598	70	29	23.4	21.6	23.3	21.8	24.1	22.8	23.2	21.9	23.7	22.1
2011	1,370	636	67	31	23.3	21.1	23.2	21.6	23.7	21.8	22.7	21.4	23.4	21.6
2012	1,365	593	68	30	23.5	21.2	23.5	21.8	24.1	22.0	23.2	21.6	23.7	21.8
2013	1,318	616	66	31	23.5	21.5	23.5	21.9	24.0	22.5	23.2	21.8	23.6	22.1

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.

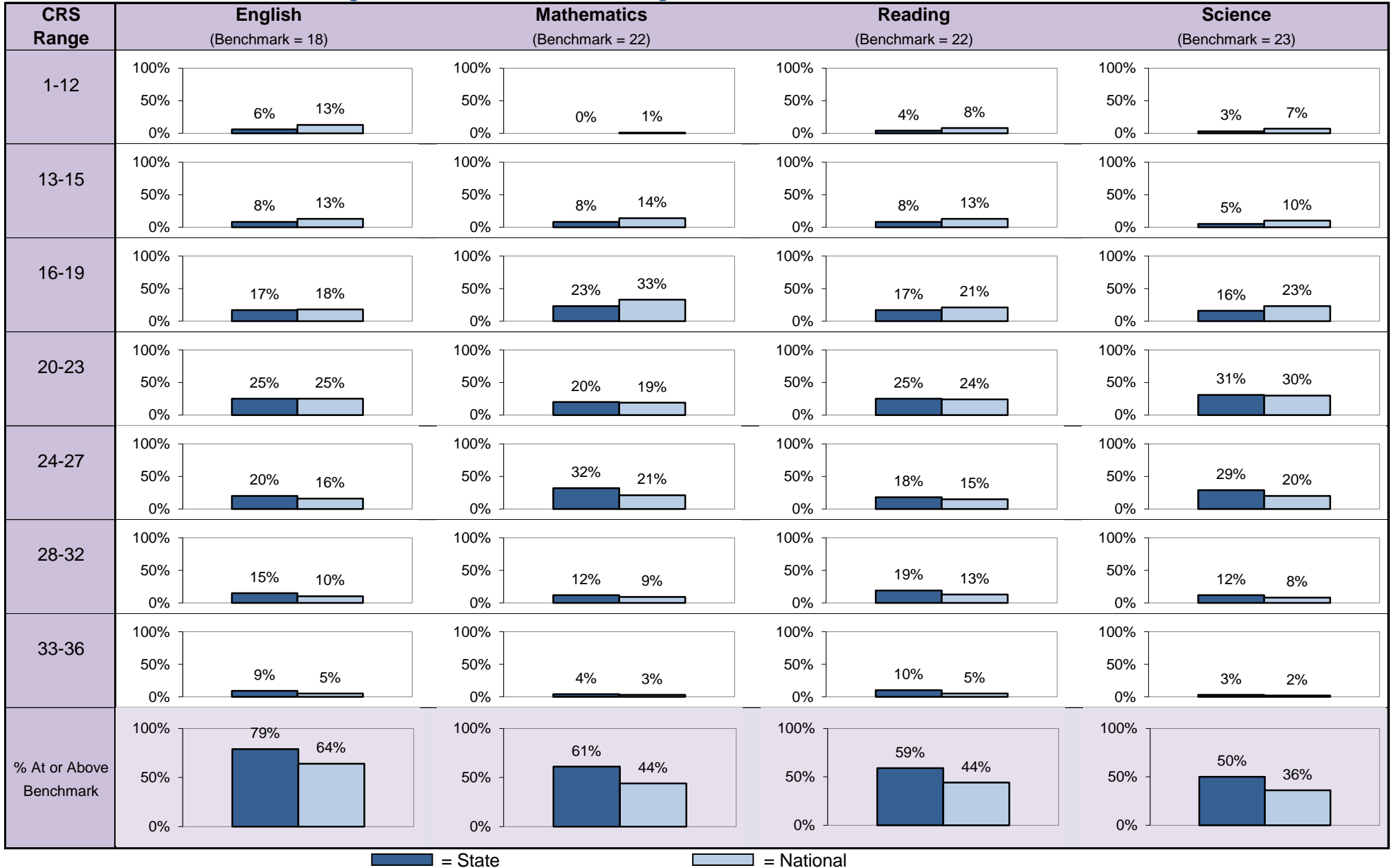
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	2,008	100	23.1	2,054	100	23.2	2,053	100	22.7	2,009	100	23.0	2,005	100	23.0
Black/African American	29	1	19.4	22	1	17.6	24	1	19.0	34	2	17.8	33	2	18.4
American Indian/Alaska Native	3	0	15.7	4	0	21.0	8	0	21.8	6	0	21.5	5	0	19.0
White	1,716	85	23.1	1,785	87	23.3	1,729	84	22.9	1,653	82	23.2	1,645	82	23.1
Hispanic/Latino	16	1	22.2	31	2	22.0	41	2	20.4	39	2	23.1	51	3	22.4
Asian	38	2	23.2	43	2	21.5	70	3	22.2	98	5	21.1	91	5	22.8
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	1	0	17.0	1	0	24.0	0	0	.
Two or more races	25	1	25.4	22	1	24.9	42	2	24.0	49	2	21.7	50	2	23.3
Prefer not to respond/No response	181	9	23.5	147	7	22.2	138	7	21.1	129	6	23.5	130	6	23.5

Total Students in Report: 2,005

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



Total Students in Report: 2,005

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	1,930	96	22.8	22.9	23.5	22.7	23.1
	Extended Time	75	4	21.2	20.7	22.9	21.7	21.7
	Total	2,005	100	22.7	22.8	23.4	22.6	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	79	62	60	50	39
	Extended Time	69	41	51	43	35
	Total	79	61	59	50	39
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: 2,005

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	12	100	8	100	35	100	14	100	2	100	36
35	41	99	20	100	23	98	23	99	16	100	35
34	65	97	39	99	67	97	18	98	23	99	34
33	63	94	18	97	74	94	13	97	22	98	33
32	41	91	39	96	68	90	40	97	50	97	32
31	53	89	24	94	87	87	41	95	55	94	31
30	58	86	51	93	82	82	44	93	77	92	30
29	75	83	52	90	66	78	53	90	76	88	29
28	74	80	81	87	78	75	58	88	92	84	28
27	63	76	148	83	74	71	91	85	116	79	27
26	92	73	195	76	77	67	98	80	116	74	26
25	109	68	160	66	83	64	173	75	139	68	25
24	140	63	138	58	128	59	217	67	137	61	24
23	130	56	135	51	109	53	120	56	156	54	23
22	114	49	111	45	137	48	177	50	138	46	22
21	134	44	100	39	129	41	215	41	153	39	21
20	120	37	61	34	122	34	119	30	122	32	20
19	107	31	87	31	90	28	105	24	99	26	19
18	88	26	94	27	105	24	87	19	102	21	18
17	68	21	144	22	62	19	65	15	71	16	17
16	78	18	138	15	82	15	72	12	72	12	16
15	74	14	103	8	76	11	47	8	67	9	15
14	56	10	32	3	34	8	34	6	49	5	14
13	33	7	19	1	44	6	22	4	32	3	13
12	30	6	4	1	31	4	27	3	14	1	12
11	33	4	4	1	15	2	15	2	6	1	11
10	27	3	0	1	18	1	12	1	2	1	10
9	14	1	0	1	4	1	3	1	1	1	9
8	9	1	0	1	3	1	1	1	0	1	8
7	3	1	0	1	2	1	0	1	0	1	7
6	0	1	0	1	0	1	0	1	0	1	6
5	1	1	0	1	0	1	0	1	0	1	5
4	0	1	0	1	0	1	1	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.7 (6.4)		22.8 (5.3)		23.4 (6.4)		22.6 (5.1)		23.0 (5.2)		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: 2,005

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	121	100	69	100	115	100	122	100	113	100	23	100	29	100	18
17	169	94	34	97	141	94	163	94	113	94	33	99	9	99	17
16	120	86	177	95	150	87	198	86	143	89	57	97	132	98	16
15	123	80	168	86	140	80	174	76	188	82	138	94	152	92	15
14	112	73	179	78	120	73	162	67	156	72	224	87	262	84	14
13	144	68	206	69	155	67	164	59	267	64	299	76	236	71	13
12	148	61	261	58	245	59	144	51	184	51	246	61	314	59	12
11	220	53	194	45	192	47	202	44	176	42	223	49	220	43	11
10	218	42	163	36	171	37	172	34	126	33	225	38	168	32	10
9	162	31	217	28	165	29	127	25	128	27	189	27	232	24	9
8	125	23	130	17	154	20	121	19	143	20	181	17	110	13	8
7	129	17	87	10	141	13	83	13	144	13	57	8	63	7	7
6	76	11	38	6	61	6	59	9	77	6	64	5	33	4	6
5	58	7	42	4	28	3	54	6	34	2	11	2	14	2	5
4	47	4	29	2	16	1	47	3	9	1	15	2	12	2	4
3	26	2	8	1	8	1	8	1	3	1	9	1	8	1	3
2	7	1	3	1	1	1	4	1	1	1	4	1	10	1	2
1	0	1	0	1	2	1	1	1	0	1	7	1	1	1	1
Avg (SD)	11.5 (3.9)		11.7 (3.3)		11.8 (3.6)		12.1 (3.8)		12.0 (3.5)		11.3 (2.9)		11.7 (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	26	29	25	27
Q2 (50th Percentile)	23	23	23	23	23
Q1 (25th Percentile)	18	18	19	20	19

Total Students in Report: 2,005

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	2,005	66	23.6	22.1
	Black/African American	33	58	18.4	18.5
	American Indian/Alaska Native	5	80	20.0	15.0
	White	1,645	67	23.7	22.2
	Hispanic/Latino	51	71	23.1	21.2
	Asian	91	59	23.4	21.9
	Native Hawaiian/Other Pac. Isl.	0	.	.	.
	Two or more races	50	74	24.0	21.2
	Prefer not/No Response	130	55	24.8	23.5
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	22.7	22.8	23.4	22.6	23.0
	Black/African American	17.2	18.4	19.0	18.2	18.4
	American Indian/Alaska Native	17.8	18.8	18.8	19.8	19.0
	White	22.9	22.8	23.7	22.7	23.1
	Hispanic/Latino	21.3	22.6	22.7	22.4	22.4
	Asian	21.3	26.5	20.5	22.5	22.8
	Native Hawaiian/Other Pac. Isl.	.	.	.	.	.
	Two or more races	23.4	22.9	23.9	22.4	23.3
	Prefer not/No Response	23.7	22.6	23.9	23.2	23.5
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: 2,005

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	181	9	85	4	199	10	68	3
	28 to 32	301	15	247	12	381	19	236	12
	24 to 27	404	20	641	32	362	18	579	29
	20 to 23	498	25	407	20	497	25	631	31
	16 to 19	341	17	463	23	339	17	329	16
	13 to 15	163	8	154	8	154	8	103	5
	01 to 12	117	6	8	0	73	4	59	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	876	44	22.1	23.5	23.0	23.1	23.0
	Females	1,129	56	23.2	22.3	23.8	22.3	23.0
	Missing	0	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	77	66	58	55	41
	Females	80	57	60	46	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	1,318	84	23.5	66	23.5	64	24.0	53	23.2	42	23.6
	Less than Core	616	70	21.5	53	21.9	52	22.5	45	21.8	32	22.1
	Missing ³	71	58	19.3	32	19.1	41	20.8	31	19.9	23	19.9
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	1,873	80	23.0	1,819	65	23.3	1,430	61	23.7	1,806	53	23.0
	Less than Core	79	48	18.0	116	16	17.6	520	55	22.9	145	19	18.4
	Missing ³	53	70	21.0	70	31	19.0	55	51	22.7	54	39	21.4
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

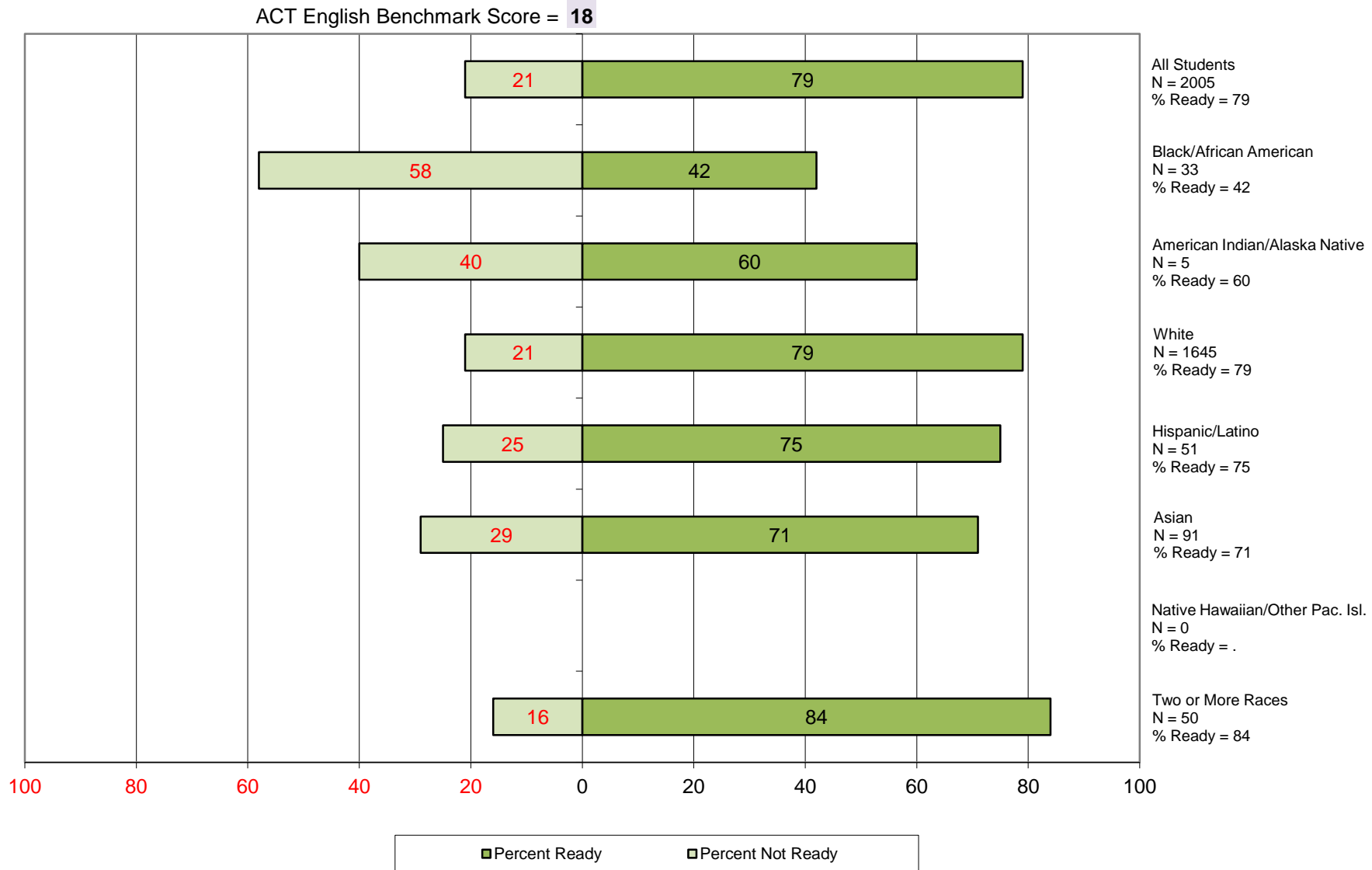


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

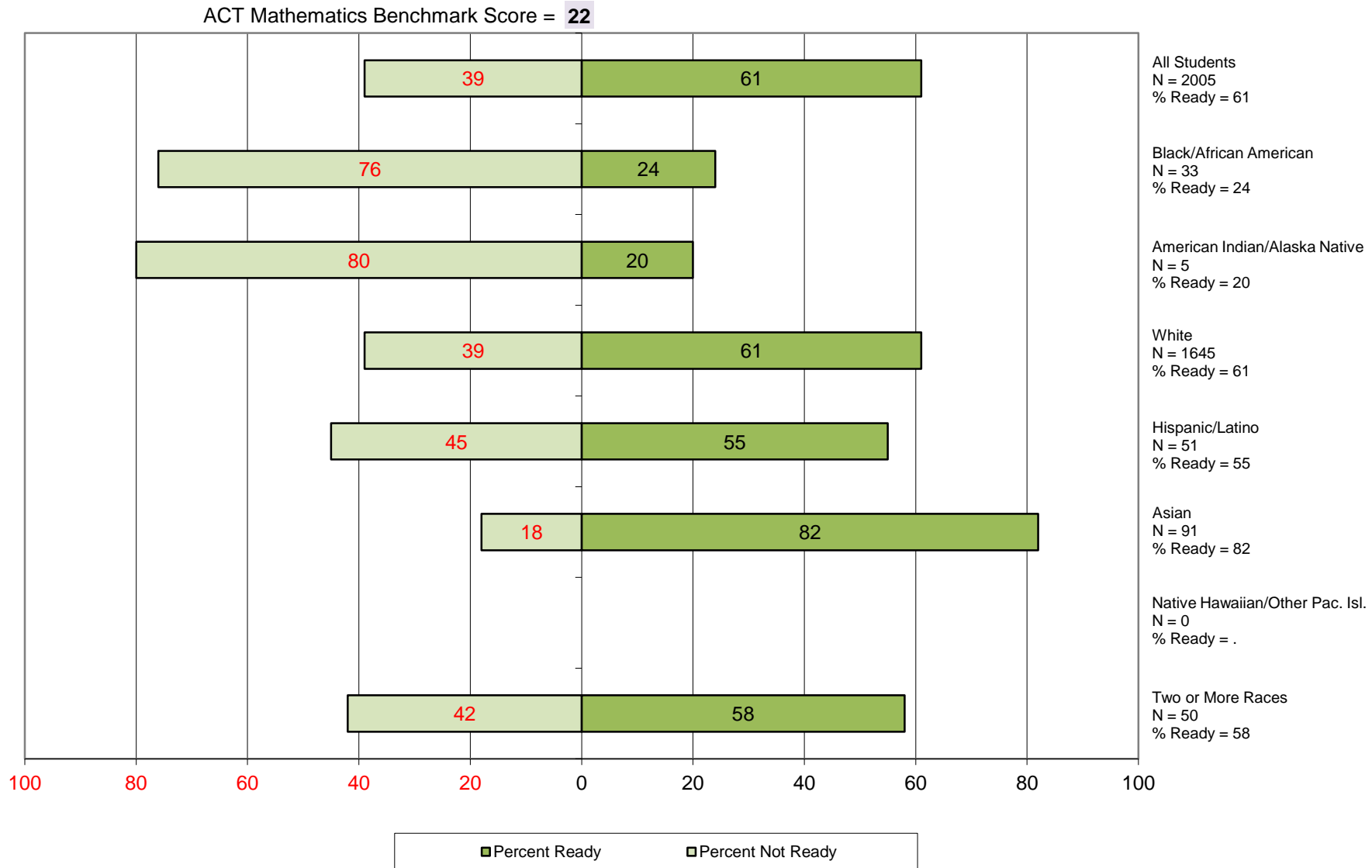


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

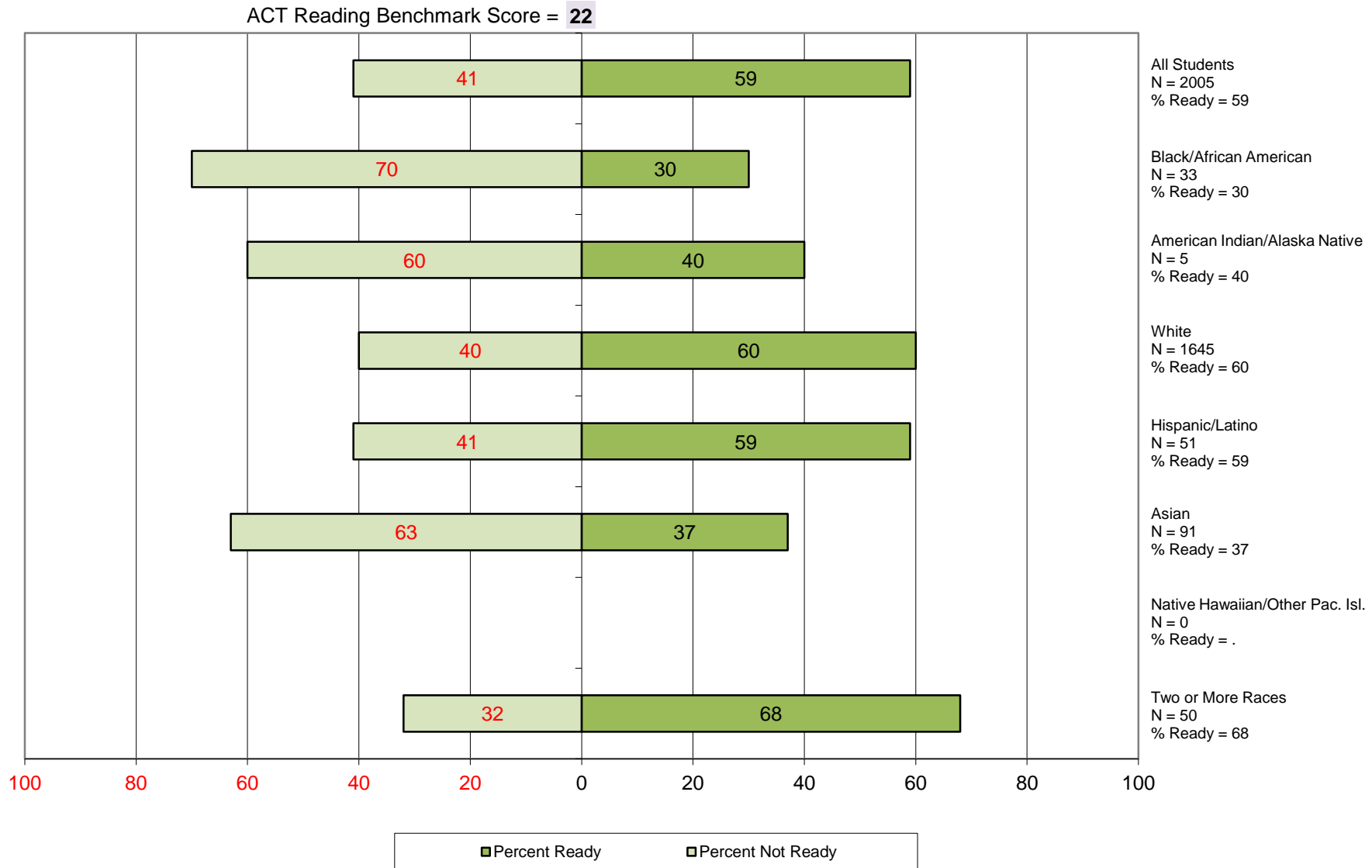


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

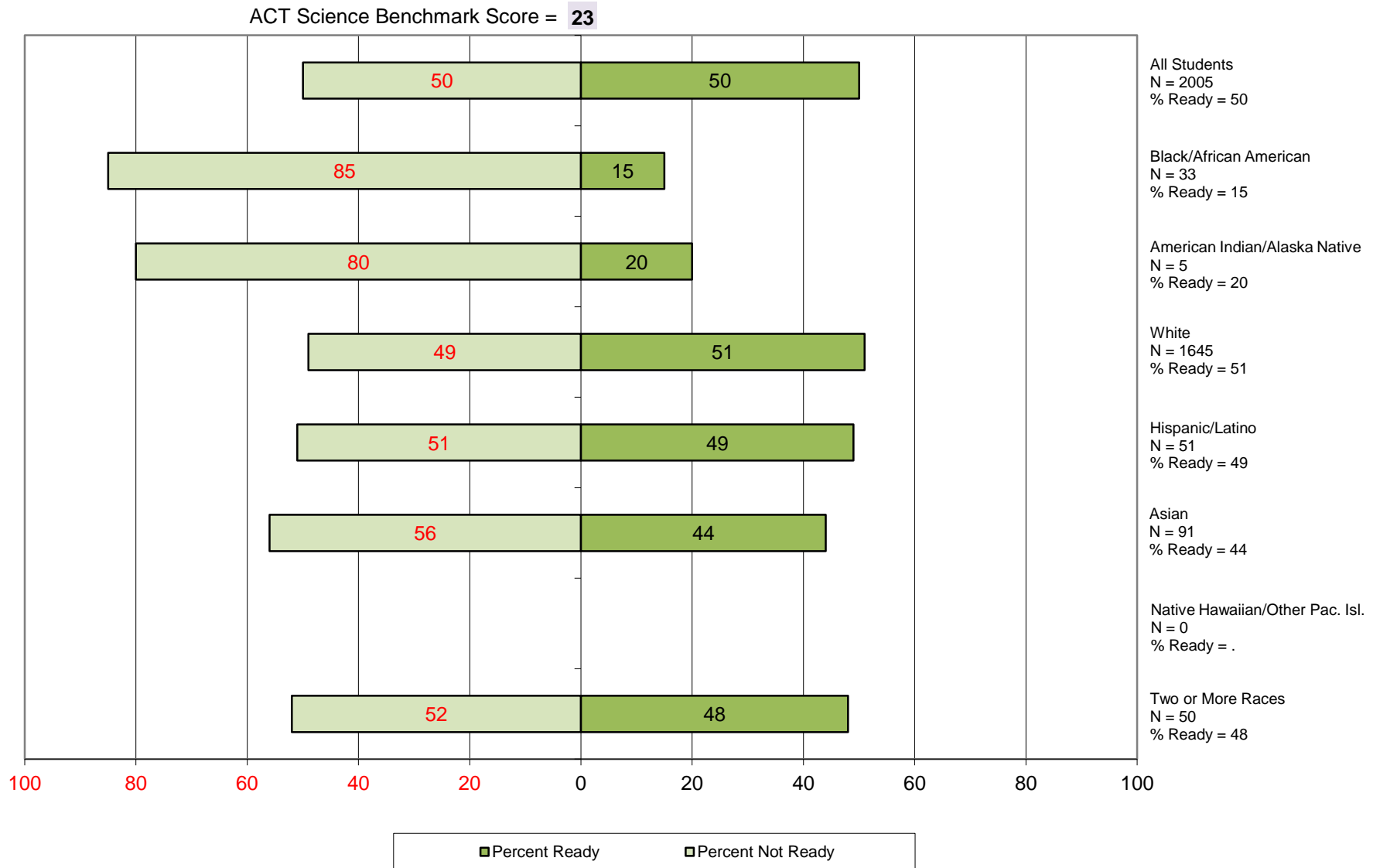
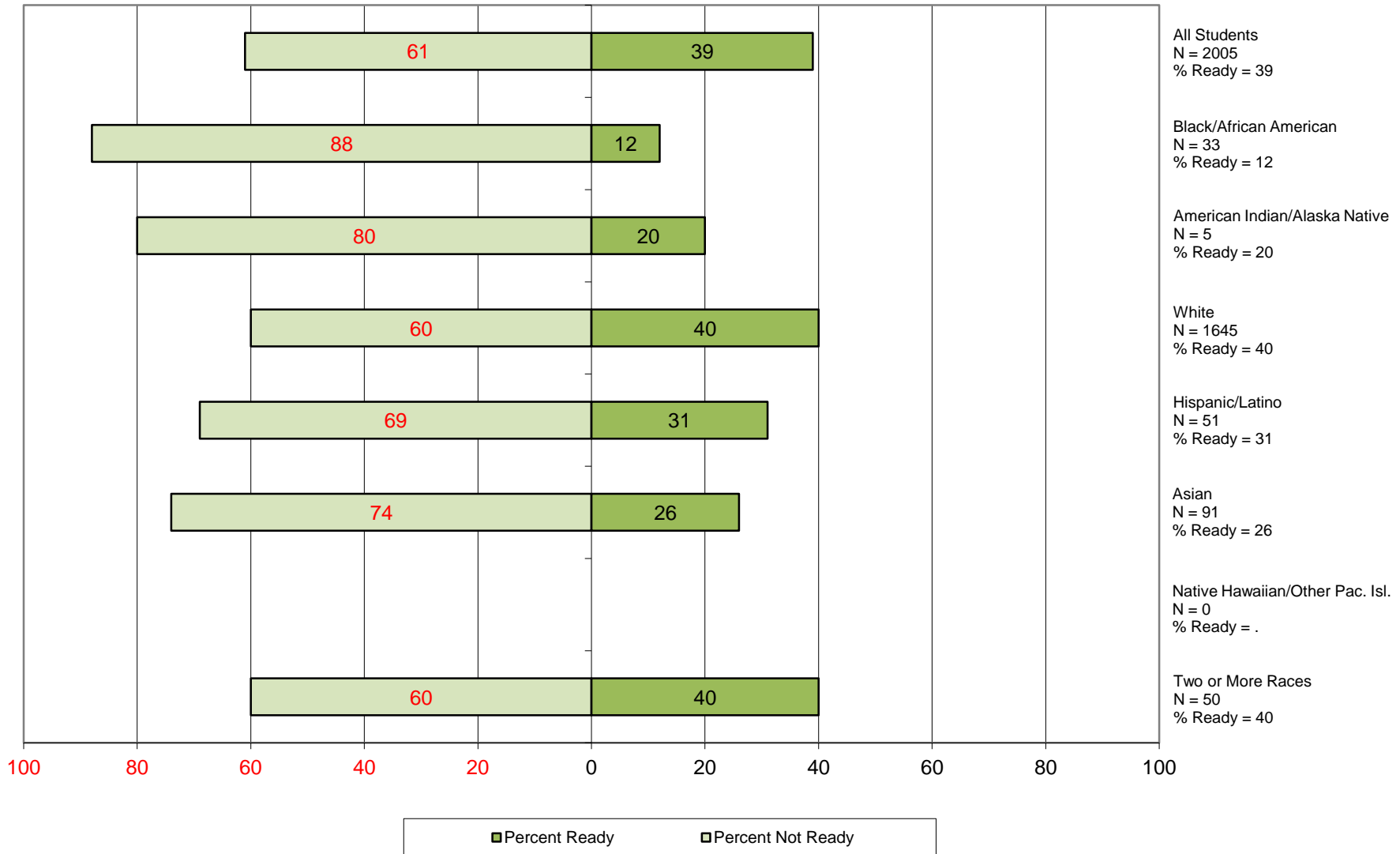


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 2,005

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	588	29	23.9	5.9	209	24	22.8	6.1	379	34	24.5	5.0
Eng 9, Eng 10, Eng 11, Eng 12	1,285	64	22.5	4.5	590	67	22.3	5.6	695	62	22.7	3.2
Less than 4 years of English	79	4	18.0	-	42	5	16.7	-	37	3	19.5	-
Zero years / no English courses reported	53	3	21.0	-	35	4	21.5	-	18	2	20.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	205	10	26.0	8.4	75	9	26.4	8.2	130	12	25.8	9.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	184	9	22.3	4.7	77	9	22.9	4.7	107	9	21.8	5.0
Alg 1, Alg 2, Geom, & Trig	132	7	20.3	2.7	44	5	21.5	3.3	88	8	19.7	2.9
Alg 1, Alg 2, Geom, & Other Adv Math	253	13	20.8	3.2	75	9	20.9	2.7	178	16	20.7	3.9
Other comb of 4 or more years of Math	771	38	25.5	7.9	386	44	25.9	7.7	385	34	25.0	8.2
Alg 1, Alg 2, & Geom	173	9	18.2	0.6	69	8	18.2	0.0	104	9	18.2	1.4
Other comb of 3 or 3.5 years of Math	101	5	22.4	4.8	43	5	23.5	5.3	58	5	21.6	4.8
Less than 3 years of Math	116	6	17.6	-	64	7	18.2	-	52	5	16.8	-
Zero years / no Math courses reported	70	3	19.0	-	43	5	20.1	-	27	2	17.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	148	7	24.7	1.8	69	8	23.2	1.3	79	7	25.9	2.2
Other comb of 4 or more years Social Science	575	29	23.7	0.8	266	30	23.6	1.7	309	27	23.7	0.0
US Hist, World Hist, & Am Gov	113	6	23.2	0.3	32	4	21.3	-0.6	81	7	24.0	0.3
Other comb of 3 or 3.5 years of Social Science	594	30	23.5	0.6	239	27	23.4	1.5	355	31	23.6	-0.1
Less than 3 years of Social Science	520	26	22.9	-	234	27	21.9	-	286	25	23.7	-
Zero years / no Social Science courses reported	55	3	22.7	-	36	4	23.5	-	19	2	21.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,146	57	23.6	5.2	533	61	24.3	6.9	613	54	22.9	3.6
Bio, Chem, Phys	214	11	23.6	5.2	89	10	24.0	6.6	125	11	23.3	4.0
Gen Sci ² , Bio, Chem	387	19	21.5	3.1	110	13	21.5	4.1	277	25	21.5	2.2
Other comb of 3 years of Natural Science	59	3	20.2	1.8	35	4	19.7	2.3	24	2	20.8	1.5
Less than 3 years of Natural Science	145	7	18.4	-	73	8	17.4	-	72	6	19.3	-
Zero years / no Natural Science courses reported	54	3	21.4	-	36	4	22.4	-	18	2	19.3	-

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: 2,005

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	588	29	23.9	84	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	1,285	64	22.5	78	1,265,911	70	20.3	65
Less than 4 years of English	79	4	18.0	48	84,048	5	15.9	36
Zero years / no English courses reported	53	3	21.0	70	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	205	10	26.0	89	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	184	9	22.3	60	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	132	7	20.3	43	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	253	13	20.8	43	336,291	19	19.6	32
Other comb of 4 or more years of Math	771	38	25.5	81	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	173	9	18.2	19	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	101	5	22.4	59	88,866	5	19.7	34
Less than 3 years of Math	116	6	17.6	16	77,906	4	16.3	7
Zero years / no Math courses reported	70	3	19.0	31	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark
US Hist, World Hist, Am Gov, & Other Hist	148	7	24.7	67	50,989	3	22.2	51
Other comb of 4 or more years Social Science	575	29	23.7	60	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	113	6	23.2	59	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	594	30	23.5	61	489,586	27	21.0	43
Less than 3 years of Social Science	520	26	22.9	55	171,617	10	19.1	32
Zero years / no Social Science courses reported	55	3	22.7	51	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	1,146	57	23.6	58	767,293	43	21.9	46
Bio, Chem, Phys	214	11	23.6	59	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	387	19	21.5	39	504,165	28	19.9	28
Other comb of 3 years of Natural Science	59	3	20.2	29	51,822	3	19.1	25
Less than 3 years of Natural Science	145	7	18.4	19	218,267	12	18.0	17
Zero years / no Natural Science courses reported	54	3	21.4	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: 2,005

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	41	2	21.3	5	9	19.0	32	2	22.2
Architecture	32	2	22.2	1	2	15.0	29	2	22.6
Area, Ethnic, & Multidisciplinary Studies	12	1	24.5	1	2	15.0	8	0	25.9
Arts: Visual & Performing	122	6	22.0	2	4	16.5	106	7	22.0
Business	180	9	21.8	9	16	18.1	155	10	21.9
Communications	34	2	21.9	1	2	21.0	30	2	21.8
Community, Family, & Personal Services	30	1	20.3	1	2	15.0	26	2	20.6
Computer Science & Mathematics	55	3	24.9	1	2	21.0	50	3	24.9
Education	86	4	21.2	0	0	.	76	5	21.4
Engineering	154	8	25.0	3	5	17.3	131	8	25.1
Engineering Technology & Drafting	23	1	21.4	3	5	15.7	18	1	22.4
English & Foreign Languages	43	2	26.0	0	0	.	38	2	25.4
Health Administration & Assisting	27	1	19.0	1	2	14.0	23	1	19.0
Health Sciences & Technologies	272	14	22.5	7	12	17.1	243	15	22.7
Philosophy, Religion, & Theology	10	0	21.4	3	5	18.7	6	0	23.2
Repair, Production, & Construction	15	1	17.2	9	16	17.1	5	0	15.2
Sciences: Biological & Physical	191	10	25.2	0	0	.	173	11	25.2
Social Sciences & Law	166	8	23.6	0	0	.	148	9	23.9
Undecided	445	22	23.7	6	11	15.2	314	19	24.1
No Response	64	3	19.3	2	4	15.5	11	1	20.9

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: 2,005

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	19	16.9	0	.	0	.	16	17.3	1	14.0
2-yr College Degree	38	17.0	1	18.0	0	.	36	17.1	0	.
Bachelors Degree	814	21.2	12	16.3	4	19.3	701	21.3	17	21.0
Graduate Study	441	25.3	7	19.6	0	.	363	25.6	12	22.9
Prof. Level Degree	368	25.7	7	18.7	1	18.0	293	26.0	17	24.0
Other	31	19.0	0	.	0	.	24	18.5	0	.
No Response	294	22.8	6	20.8	0	.	212	22.9	4	22.5

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	19	16.9	2	16.0	0	.	0	.	0	.
2-yr College Degree	38	17.0	0	.	0	.	0	.	1	13.0
Bachelors Degree	814	21.2	21	18.8	0	.	23	21.2	36	23.0
Graduate Study	441	25.3	25	23.0	0	.	17	25.5	17	26.3
Prof. Level Degree	368	25.7	24	25.9	0	.	7	25.4	19	26.6
Other	31	19.0	2	18.0	0	.	1	21.0	4	21.5
No Response	294	22.8	17	24.5	0	.	2	22.5	53	22.3

Total Students in Report: 2,005

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 OF VERMONT	Vermont	324	148	176	0	3	15	30	28	21	2
CASTLETON STATE COLLEGE	Vermont	105	31	74	1	15	40	30	10	5	0
VERMONT TECHNICAL COLLEGE	Vermont	69	36	33	3	17	39	28	12	1	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	58	58	0	3	31	24	28	9	3	2
LYNDON STATE COLLEGE	Vermont	54	13	41	6	15	31	33	11	4	0
NORTHEASTERN UNIVERSITY	Massachusetts	54	17	37	0	2	6	19	41	33	0
CHAMPLAIN COLLEGE	Vermont	50	19	31	2	18	26	32	20	2	0
JOHNSON STATE COLLEGE	Vermont	46	11	35	4	26	37	24	9	0	0
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	43	6	37	2	5	21	37	21	14	0
SAINT MICHAEL'S COLLEGE	Vermont	42	8	34	2	7	7	45	29	10	0
BOSTON UNIVERSITY	Massachusetts	35	8	27	0	0	11	31	34	20	3
BOSTON COLLEGE	Massachusetts	30	14	16	0	0	7	33	37	23	0
UNIVERSITY OF RHODE ISLAND	Rhode Island	30	6	24	0	3	20	40	27	10	0
CLARKSON UNIVERSITY	New York	28	5	23	0	4	14	21	25	32	4
MIDDLEBURY COLLEGE	Vermont	28	6	22	0	0	7	25	25	36	7
TUFTS UNIVERSITY	Massachusetts	28	12	16	0	0	0	11	32	43	14
DARTMOUTH COLLEGE	New Hampshire	27	7	20	0	0	0	15	37	37	11
BROWN UNIVERSITY	Rhode Island	26	8	18	0	0	4	4	4	73	15
RENSSELAER POLYTECHNIC INSTITUTE	New York	26	9	17	0	0	8	8	27	42	15
UNIVERSITY OF NEW ENGLAND	Maine	26	7	19	0	4	35	31	23	8	0
ROCHESTER INST OF TECHNOLOGY	New York	23	10	13	0	0	13	13	43	22	9
WORCESTER POLYTECHNIC INST	Massachusetts	22	2	20	0	0	9	9	32	36	14
NORWICH UNIVERSITY	Vermont	21	6	15	0	19	24	19	24	14	0
STATE UNIV OF NY COLL AT PLATTSBURGH	New York	18	8	10	6	11	17	44	22	0	0
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	18	1	17	0	0	6	44	22	28	0
ITHACA COLLEGE	New York	17	3	14	0	6	0	29	59	6	0
KEENE STATE COLLEGE	New Hampshire	15	4	11	0	20	13	53	13	0	0
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Massachusetts	15	8	7	0	0	7	7	27	27	33
MCGILL UNIVERSITY		15	6	9	0	0	0	13	27	60	0
PLYMOUTH STATE UNIVERSITY	New Hampshire	15	5	10	7	13	27	47	7	0	0
All Other Institutions		1,238	342	896	1	4	17	31	26	19	2
Total		2,546	824	1,722	1	6	18	29	25	19	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: 2,005

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	1,786	942,769	23.0	21.3	7.7	7.0	22.4	20.5
Black/African American	32	114,751	17.3	16.3	6.9	6.1	17.5	16.0
American Indian/Alaska Native	5	6,031	17.8	16.8	8.6	6.1	19.4	16.4
White	1,452	518,407	23.2	22.9	7.7	7.2	22.6	21.9
Hispanic/Latino	47	151,504	21.5	18.6	7.6	6.8	21.3	18.3
Asian	88	54,580	21.3	23.5	7.6	7.6	21.0	22.7
Native Hawaiian/Other Pac. Isl.	0	2,812	.	19.5	.	6.9	.	19.2
Two or more races	48	35,355	23.6	21.5	7.6	7.0	22.8	20.6
Prefer not/No Response	114	59,329	23.8	21.8	7.7	7.1	23.0	20.9
Males	765	423,104	22.3	21.0	7.4	6.7	21.7	20.1
Females	1,021	513,945	23.4	21.6	7.9	7.2	22.9	20.9
Missing	0	5,720	.	16.6	.	6.3	.	16.5

