

# ACT Profile Report - State

Graduating Class 2014

Vermont





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This report provides information about the performance of your 2014 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2014. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

**Performance** - student test performance in the context of college readiness

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

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

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

**Awareness** - extent to which student aspirations match performance

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

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

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

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

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

**The ACT:**

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

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

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

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

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

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:** 2,105 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. 64% 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 5% of the cohort took less than three years of math courses. Of these students, 17% were college ready. 8% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 16% of these students were college ready. In comparison, 68% 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. 16% of these students were college ready. In comparison, 55% 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](http://www.act.org/standard).

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

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

# Section I

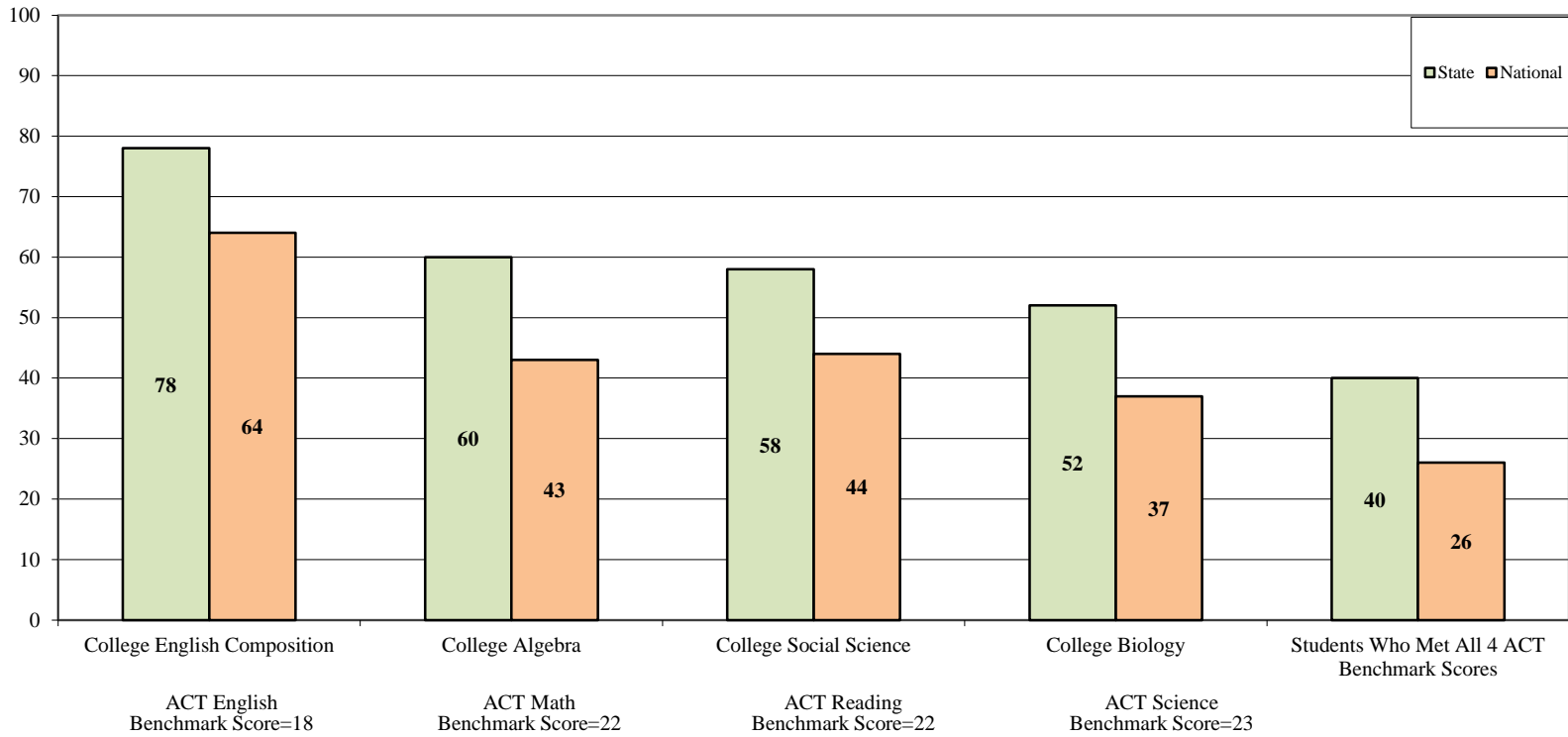
## Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

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

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.



Total Students in Report: 2,105

**Table 1.1. Five Year Trends—Percent of Students Who Met College Readiness Benchmarks**

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	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
<b>2014</b>	<b>2,105</b>	<b>1,845,787</b>	<b>78</b>	<b>64</b>	<b>60</b>	<b>43</b>	<b>58</b>	<b>44</b>	<b>52</b>	<b>37</b>	<b>40</b>	<b>26</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	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
<b>2014</b>	<b>2,105</b>	<b>1,845,787</b>	<b>22.8</b>	<b>20.3</b>	<b>23.0</b>	<b>20.9</b>	<b>23.7</b>	<b>21.3</b>	<b>22.8</b>	<b>20.8</b>	<b>23.2</b>	<b>21.0</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2010	1,568,835	20.5	21.0	21.3	20.9	21.0
2011	1,623,112	20.6	21.1	21.3	20.9	21.1
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	1,799,243	20.2	20.9	21.1	20.7	20.9
<b>2014</b>	<b>1,845,787</b>	<b>20.3</b>	<b>20.9</b>	<b>21.3</b>	<b>20.8</b>	<b>21.0</b>

Total Students in Report: 2,105

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2010	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
<b>2014</b>	<b>1,343</b>	<b>671</b>	<b>64</b>	<b>32</b>	<b>23.8</b>	<b>21.4</b>	<b>23.7</b>	<b>21.7</b>	<b>24.5</b>	<b>22.5</b>	<b>23.5</b>	<b>21.7</b>	<b>24.0</b>	<b>21.9</b>

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

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

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>2,054</b>	<b>100</b>	<b>23.2</b>	<b>2,053</b>	<b>100</b>	<b>22.7</b>	<b>2,009</b>	<b>100</b>	<b>23.0</b>	<b>2,005</b>	<b>100</b>	<b>23.0</b>	<b>2,105</b>	<b>100</b>	<b>23.2</b>
Black/African American	22	1	17.6	24	1	19.0	34	2	17.8	33	2	18.4	35	2	16.9
American Indian/Alaska Native	4	0	21.0	8	0	21.8	6	0	21.5	5	0	19.0	5	0	17.8
White	1,785	87	23.3	1,729	84	22.9	1,653	82	23.2	1,645	82	23.1	1,721	82	23.3
Hispanic/Latino	31	2	22.0	41	2	20.4	39	2	23.1	51	3	22.4	42	2	23.2
Asian	43	2	21.5	70	3	22.2	98	5	21.1	91	5	22.8	122	6	22.7
Native Hawaiian/Other Pacific Islander	0	0	.	1	0	17.0	1	0	24.0	0	0	.	0	0	.
Two or more races	22	1	24.9	42	2	24.0	49	2	21.7	50	2	23.3	54	3	24.5
Prefer not to respond/No response	147	7	22.2	138	7	21.1	129	6	23.5	130	6	23.5	126	6	23.5

Total Students in Report: 2,105

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

CRS Range	English (Benchmark = 18)	Mathematics (Benchmark = 22)	Reading (Benchmark = 22)	Science (Benchmark = 23)
1-12	5% 13%	0% 1%	3% 7%	2% 6%
13-15	10% 14%	6% 14%	8% 13%	6% 10%
16-19	14% 18%	25% 33%	16% 22%	18% 24%
20-23	26% 23%	19% 18%	25% 24%	30% 29%
24-27	22% 16%	30% 21%	15% 14%	28% 20%
28-32	15% 10%	15% 9%	21% 14%	11% 7%
33-36	8% 5%	5% 3%	11% 5%	6% 3%
% At or Above Benchmark	78% 64%	60% 43%	58% 44%	52% 37%

■ = State

■ = National

Total Students in Report: 2,105

**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	2,012	96	22.8	23.0	23.7	22.8	23.2
	Extended Time	93	4	22.2	22.1	24.7	22.9	23.1
	Total	2,105	100	22.8	23.0	23.7	22.8	23.2
National	Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

**Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration**

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	78	61	58	52	40
	Extended Time	75	54	63	55	38
	Total	78	60	58	52	40
National	Standard Time	65	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

# Section II

## Academic Achievement

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

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

Total Students in Report: 2,105

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	8	100	4	100	43	100	30	100	0	100	36
35	50	100	8	100	29	98	25	99	19	100	35
34	55	97	48	99	76	97	41	97	27	99	34
33	61	95	40	97	78	93	25	95	30	98	33
32	49	92	31	95	130	89	22	94	58	96	32
31	36	89	41	94	72	83	51	93	66	94	31
30	74	88	52	92	79	80	47	91	76	90	30
29	75	84	99	89	83	76	36	89	100	87	29
28	79	81	102	85	80	72	66	87	97	82	28
27	99	77	126	80	77	68	129	84	112	78	27
26	116	72	158	74	66	65	124	78	130	72	26
25	134	67	153	66	70	61	167	72	145	66	25
24	116	60	186	59	110	58	164	64	138	59	24
23	129	55	115	50	154	53	166	56	159	53	23
22	154	49	106	45	82	46	146	48	146	45	22
21	138	41	88	40	162	42	165	41	132	38	21
20	117	35	101	36	123	34	148	33	108	32	20
19	82	29	87	31	121	28	143	26	118	27	19
18	68	25	107	27	92	22	83	19	105	21	18
17	65	22	169	22	70	18	93	16	106	16	17
16	83	19	153	13	61	15	59	11	77	11	16
15	116	15	93	6	63	12	49	8	61	7	15
14	60	10	25	2	61	9	36	6	50	5	14
13	33	7	9	1	53	6	39	4	21	2	13
12	28	5	2	1	37	3	17	2	15	1	12
11	36	4	2	1	13	2	15	2	8	1	11
10	20	2	0	1	7	1	12	1	1	1	10
9	19	1	0	1	9	1	3	1	0	1	9
8	2	1	0	1	1	1	2	1	0	1	8
7	2	1	0	1	3	1	2	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	0	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)	22.8 (6.3)		23.0 (5.3)		23.7 (6.5)		22.8 (5.4)		23.2 (5.3)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

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

Total Students in Report: 2,105

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subscore Averages**

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	132	100	32	100	116	100	152	100	114	100	17	100	31	100	18
17	155	94	63	98	183	94	206	93	154	95	38	99	20	99	17
16	123	86	146	95	176	86	177	83	157	87	77	97	140	98	16
15	150	81	242	89	101	77	171	75	140	80	174	94	194	91	15
14	112	73	213	77	206	73	146	66	177	73	233	85	235	82	14
13	183	68	221	67	191	63	152	60	249	65	285	74	256	71	13
12	177	59	240	56	173	54	180	52	248	53	291	61	274	58	12
11	216	51	224	45	204	46	177	44	136	41	186	47	276	45	11
10	219	41	170	34	173	36	131	35	152	35	306	38	197	32	10
9	145	30	197	26	173	28	231	29	148	27	169	24	226	23	9
8	155	23	147	17	189	19	102	18	182	20	169	16	123	12	8
7	116	16	76	10	90	10	96	13	149	12	81	8	60	6	7
6	80	11	60	6	66	6	72	9	70	5	32	4	32	3	6
5	71	7	41	4	33	3	68	5	24	1	22	2	16	2	5
4	34	3	30	2	15	1	28	2	1	1	9	1	10	1	4
3	29	2	1	1	6	1	11	1	3	1	12	1	9	1	3
2	8	1	2	1	8	1	5	1	1	1	1	1	6	1	2
1	0	1	0	1	2	1	0	1	0	1	3	1	0	1	1
Avg (SD)	11.5 (3.9)		11.7 (3.2)		12.0 (3.6)		12.1 (3.9)		12.1 (3.5)		11.5 (2.8)		11.8 (2.9)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	27	27	29	26	27
Q2 (50th Percentile)	23	23	23	23	23
Q1 (25th Percentile)	18	18	19	19	19

Total Students in Report: 2,105

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>2,105</b>	<b>64</b>	<b>24.0</b>	<b>21.9</b>
	Black/African American	35	60	16.7	17.5
	American Indian/Alaska Native	5	60	19.7	15.0
	White	1,721	66	24.1	22.0
	Hispanic/Latino	42	67	24.8	20.5
	Asian	122	56	23.9	22.6
	Native Hawaiian/Other Pac. Isl.	0	.	.	.
	Two or more races	54	65	25.5	22.6
	Prefer not/No Response	126	48	24.6	22.0
National	<b>All Students</b>	<b>1,845,787</b>	<b>73</b>	<b>21.8</b>	<b>18.9</b>
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

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

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	<b>22.8</b>	<b>23.0</b>	<b>23.7</b>	<b>22.8</b>	<b>23.2</b>
	Black/African American	16.3	17.2	17.3	16.6	16.9
	American Indian/Alaska Native	16.6	18.0	18.4	17.2	17.8
	White	23.0	22.9	23.9	22.9	23.3
	Hispanic/Latino	23.1	22.9	23.7	22.4	23.2
	Asian	21.2	25.4	21.3	22.5	22.7
	Native Hawaiian/Other Pac. Isl.	.	.	.	.	.
	Two or more races	24.3	23.7	25.2	24.2	24.5
	Prefer not/No Response	22.9	22.8	24.8	23.3	23.5
National	<b>All Students</b>	<b>20.3</b>	<b>20.9</b>	<b>21.3</b>	<b>20.8</b>	<b>21.0</b>
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7



Total Students in Report: 2,105

**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	174	8	100	5	226	11	121	6
	28 to 32	313	15	325	15	444	21	222	11
	24 to 27	465	22	623	30	323	15	584	28
	20 to 23	538	26	410	19	521	25	625	30
	16 to 19	298	14	516	25	344	16	378	18
	13 to 15	209	10	127	6	177	8	124	6
	01 to 12	108	5	4	0	70	3	51	2
National	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	928	44	22.5	23.8	23.6	23.5	23.5
	Females	1,177	56	23.0	22.3	23.8	22.3	23.0
	Missing	0	0	.	.	.	.	.
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

**Table 2.8. Percent of Students Who Met College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	76	66	57	56	43
	Females	79	56	59	49	37
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 2,105

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	1,343	84	23.8	66	23.7	64	24.5	57	23.5	45	24.0
	Less than Core	671	70	21.4	49	21.7	51	22.5	43	21.7	31	21.9
	Missing <sup>3</sup>	91	52	18.7	53	21.5	37	20.6	41	21.1	25	20.6
National	Core or More	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing	92,717	36	16.0	18	17.7	23	17.7	16	17.6	10	17.4

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.

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

<sup>3</sup> Zero years or no coursework information reported in one or more content areas.

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

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

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	1,948	80	23.1	1,906	63	23.4	1,463	61	24.2	1,878	55	23.2
	Less than Core	77	47	18.0	109	17	17.6	562	53	22.7	148	16	18.2
	Missing <sup>3</sup>	80	55	19.3	90	53	21.6	80	41	21.4	79	47	22.0
National	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

<sup>1</sup> "Curriculum Taken" reflects content-specific curriculum in this table.

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

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

<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

## College Readiness and the Impact of Course Rigor

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

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

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

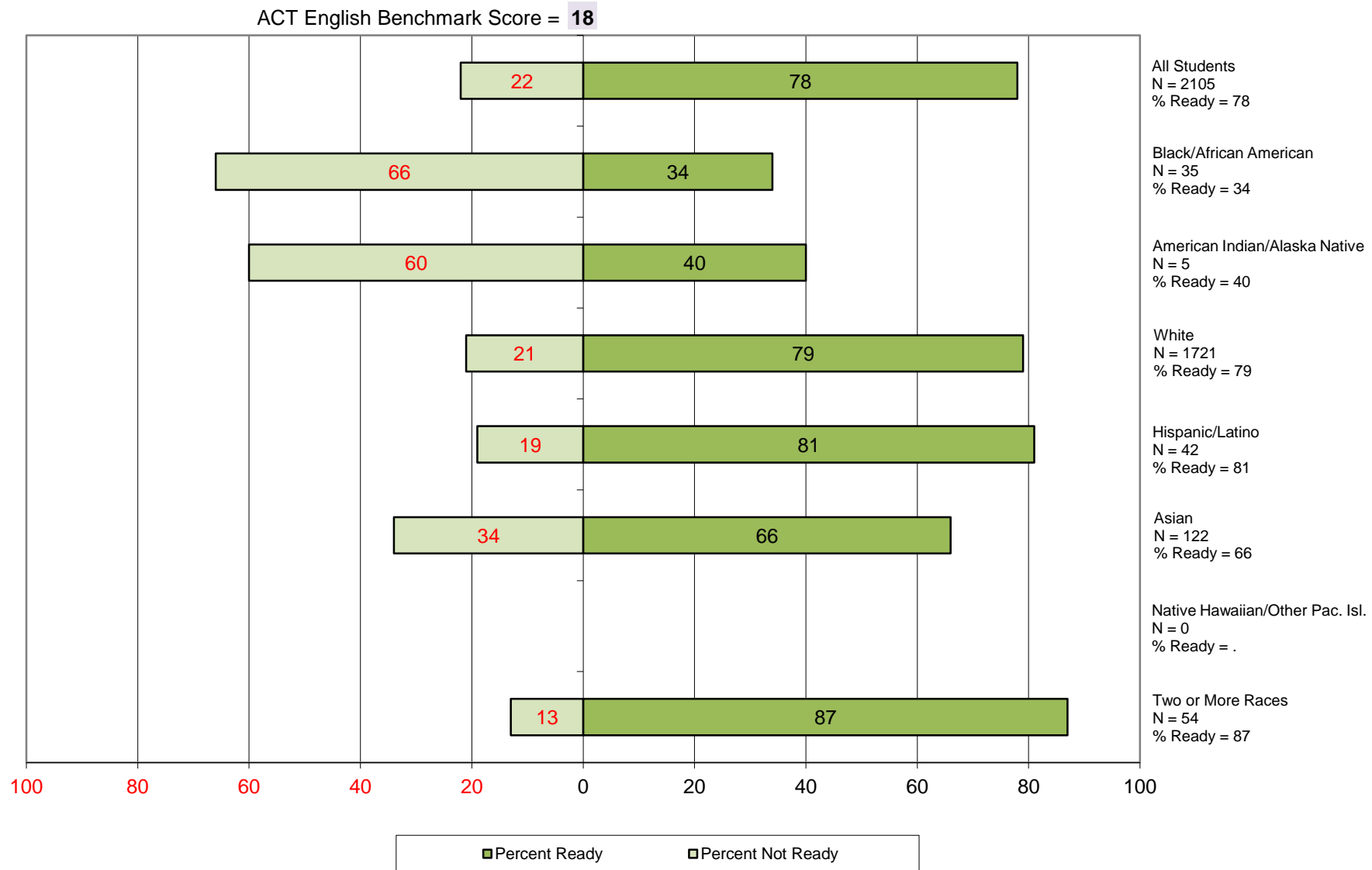


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

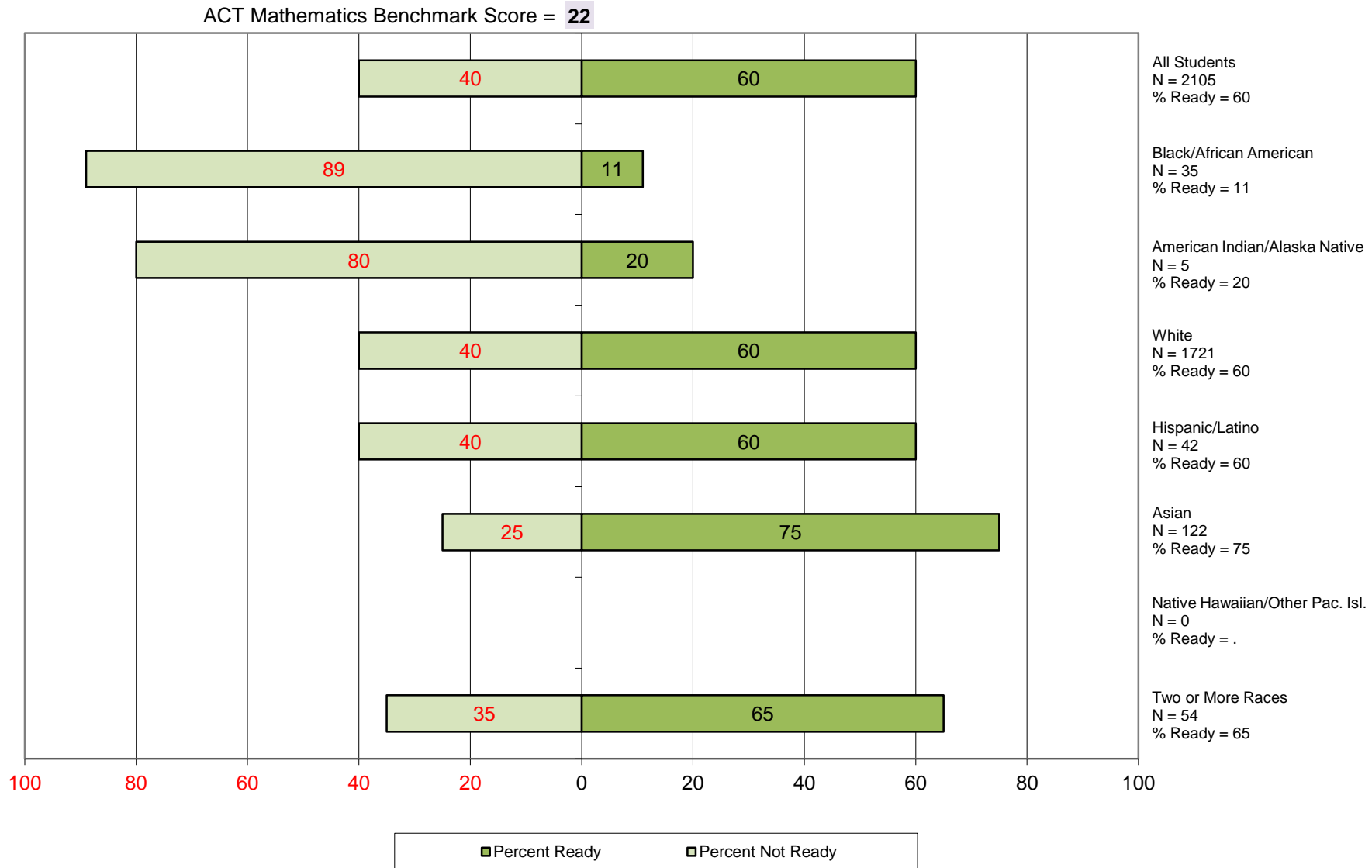


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

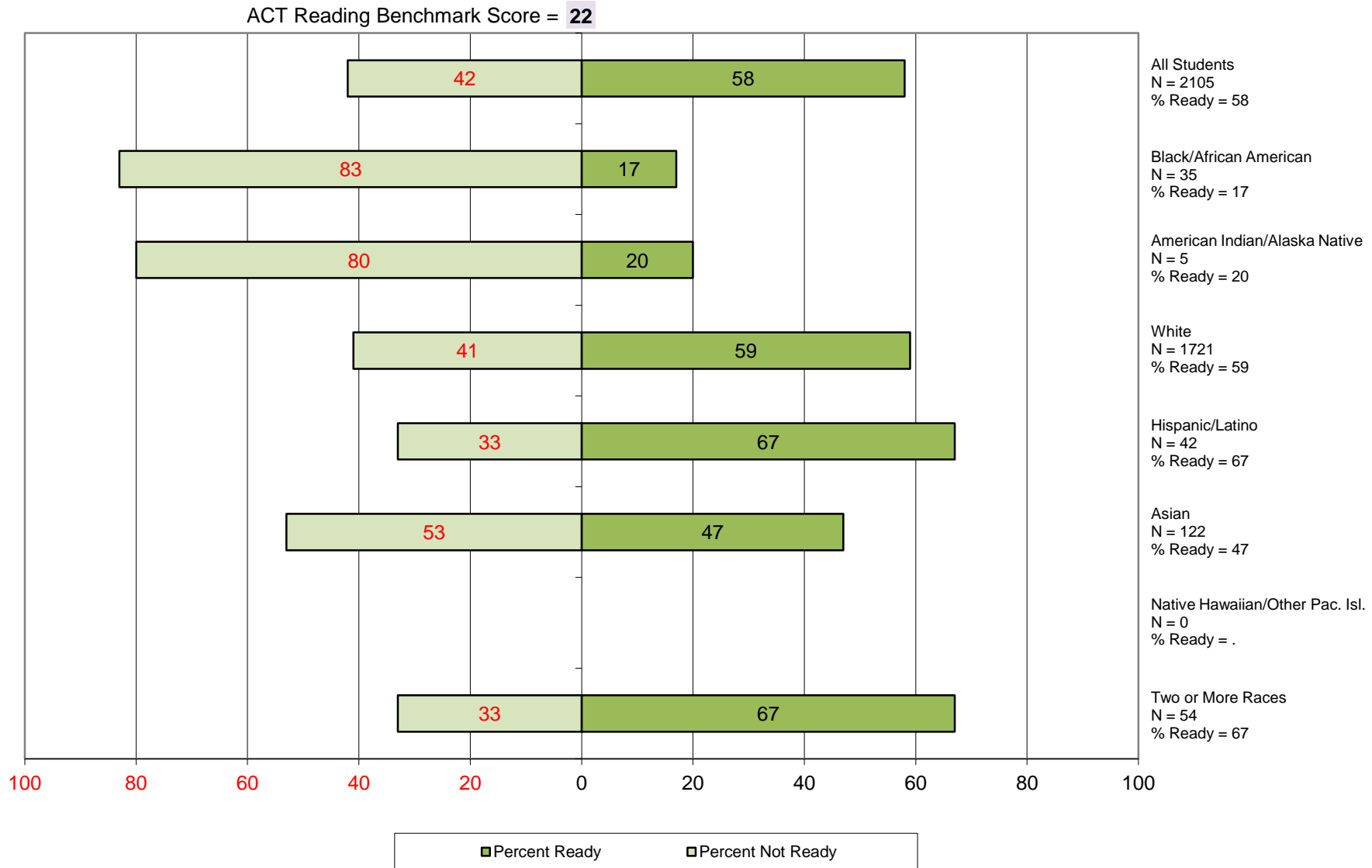


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

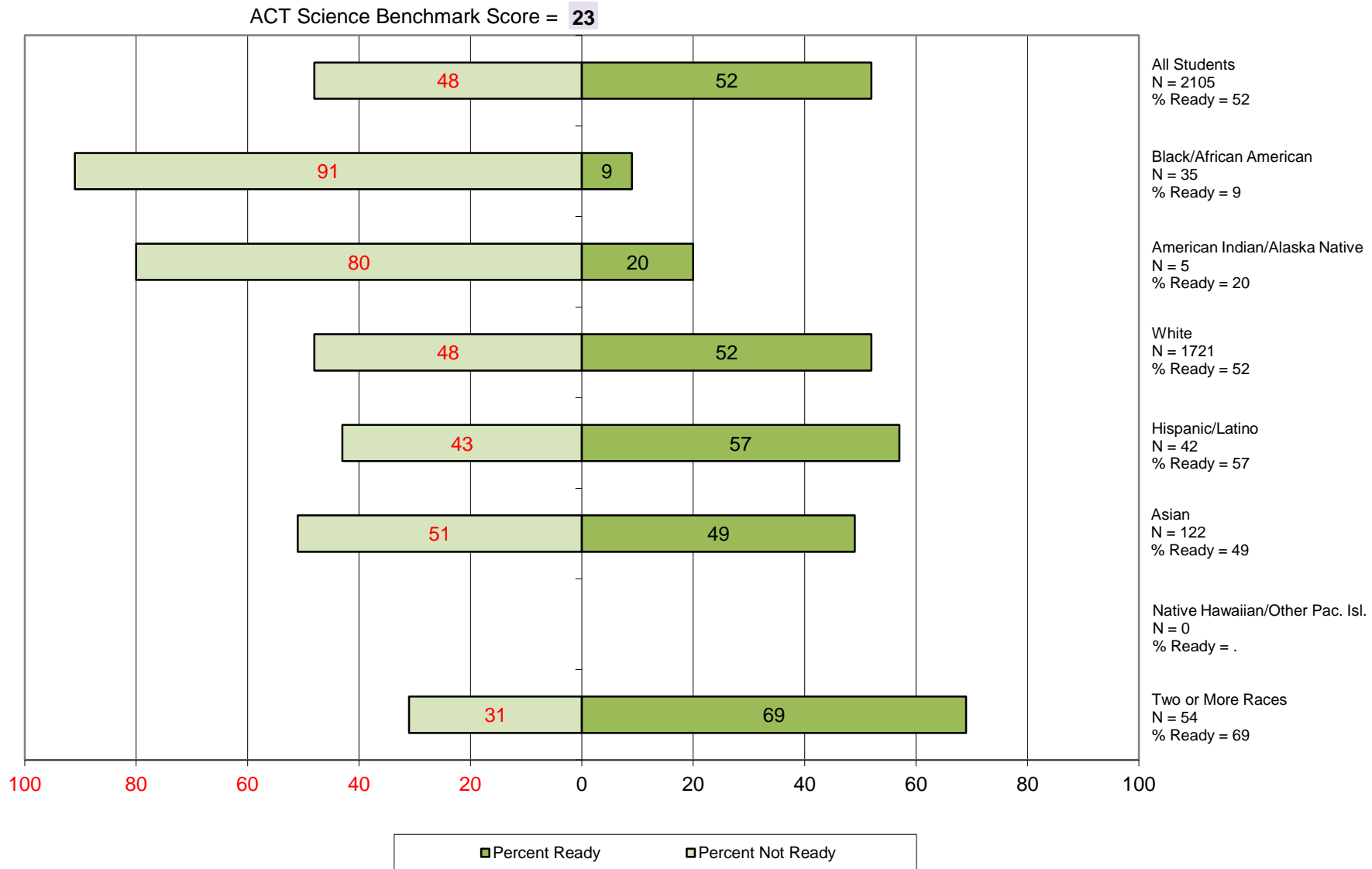
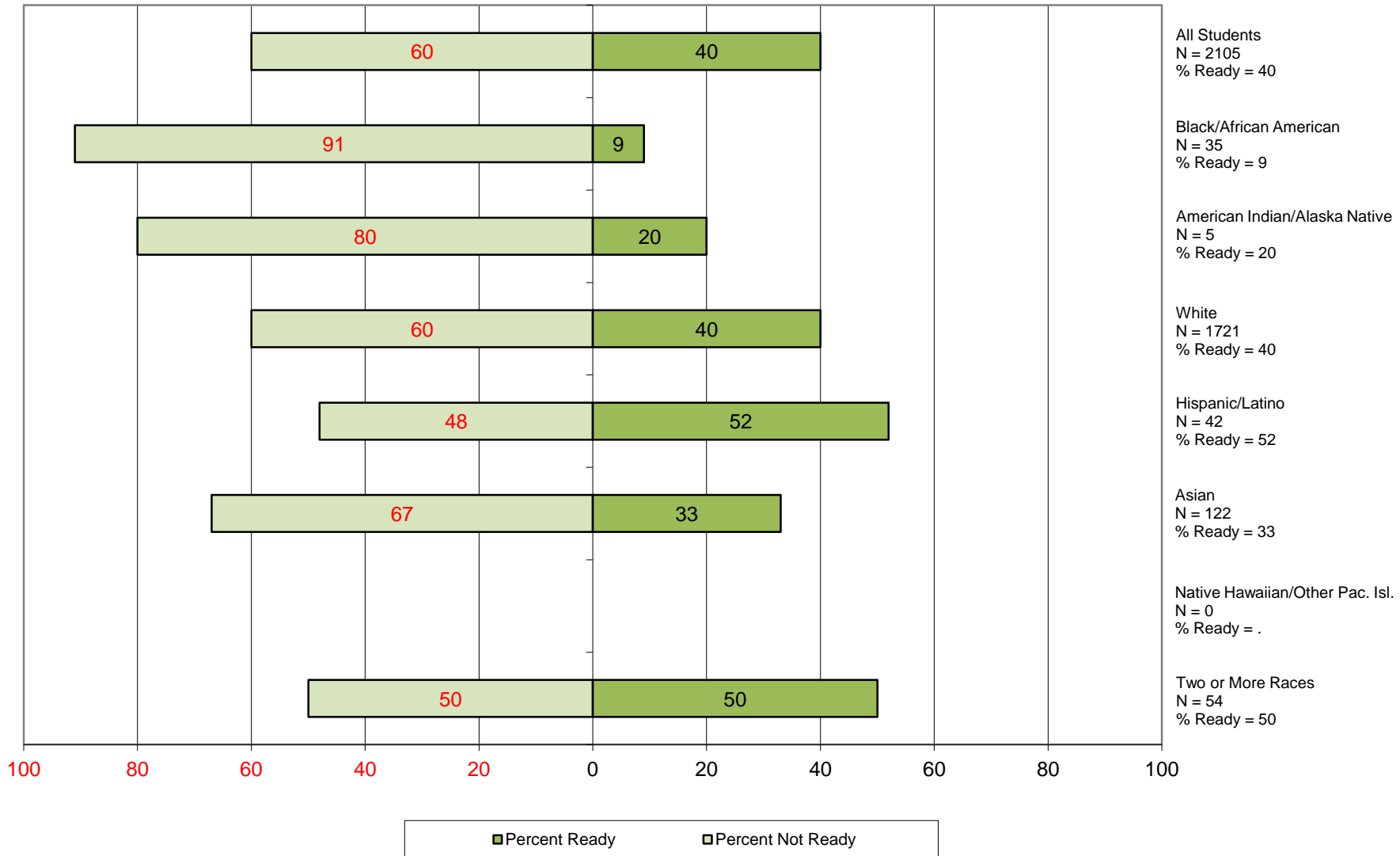


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 2,105

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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	551	26	23.8	5.8	217	23	23.0	5.2	334	28	24.4	5.8
Eng 9, Eng 10, Eng 11, Eng 12	1,397	66	22.8	4.8	610	66	23.0	5.2	787	67	22.8	4.2
Less than 4 years of English	77	4	18.0	-	50	5	17.8	-	27	2	18.6	-
Zero years / no English courses reported	80	4	19.3	-	51	5	19.9	-	29	2	18.4	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	233	11	26.0	8.4	114	12	26.7	9.1	119	10	25.3	7.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	192	9	22.2	4.6	65	7	22.8	5.2	127	11	21.9	4.4
Alg 1, Alg 2, Geom, & Trig	131	6	20.6	3.0	57	6	22.0	4.4	74	6	19.5	2.0
Alg 1, Alg 2, Geom, & Other Adv Math	276	13	20.6	3.0	92	10	20.6	3.0	184	16	20.6	3.1
Other comb of 4 or more years of Math	796	38	25.5	7.9	372	40	26.5	8.9	424	36	24.6	7.1
Alg 1, Alg 2, & Geom	178	8	18.3	0.7	74	8	18.9	1.3	104	9	17.8	0.3
Other comb of 3 or 3.5 years of Math	100	5	22.5	4.9	39	4	23.4	5.8	61	5	21.9	4.4
Less than 3 years of Math	109	5	17.6	-	57	6	17.6	-	52	4	17.5	-
Zero years / no Math courses reported	90	4	21.6	-	58	6	21.9	-	32	3	21.0	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	160	8	25.0	2.3	77	8	24.1	1.8	83	7	25.9	2.8
Other comb of 4 or more years Social Science	602	29	24.3	1.6	276	30	24.7	2.4	326	28	23.9	0.8
US Hist, World Hist, & Am Gov	155	7	24.5	1.8	70	8	24.4	2.1	85	7	24.6	1.5
Other comb of 3 or 3.5 years of Social Science	546	26	23.8	1.1	200	22	23.7	1.4	346	29	23.9	0.8
Less than 3 years of Social Science	562	27	22.7	-	255	27	22.3	-	307	26	23.1	-
Zero years / no Social Science courses reported	80	4	21.4	-	50	5	22.8	-	30	3	18.9	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	1,180	56	24.0	5.8	546	59	24.8	7.6	634	54	23.3	4.0
Bio, Chem, Phys	207	10	23.3	5.1	104	11	23.6	6.4	103	9	23.0	3.7
Gen Sci <sup>2</sup> , Bio, Chem	433	21	21.4	3.2	123	13	22.3	5.1	310	26	21.1	1.8
Other comb of 3 years of Natural Science	58	3	20.4	2.2	24	3	21.9	4.7	34	3	19.4	0.1
Less than 3 years of Natural Science	148	7	18.2	-	81	9	17.2	-	67	6	19.3	-
Zero years / no Natural Science courses reported	79	4	22.0	-	50	5	23.1	-	29	2	20.0	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

<sup>2</sup>Includes General, Physical and Earth Sciences.

Total Students in Report: 2,105

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	551	26	23.8	84	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	1,397	66	22.8	79	1,305,220	71	20.5	65
Less than 4 years of English	77	4	18.0	47	88,420	5	15.9	36
Zero years / no English courses reported	80	4	19.3	55	81,272	4	16.3	38
<b>MATHEMATICS COURSE PATTERN</b>								
	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	233	11	26.0	84	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	192	9	22.2	56	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	131	6	20.6	43	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	276	13	20.6	43	356,555	19	19.4	31
Other comb of 4 or more years of Math	796	38	25.5	80	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	178	8	18.3	16	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	100	5	22.5	57	90,105	5	19.8	35
Less than 3 years of Math	109	5	17.6	17	74,627	4	16.4	8
Zero years / no Math courses reported	90	4	21.6	53	84,966	5	17.8	19
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
	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	160	8	25.0	66	48,992	3	22.3	50
Other comb of 4 or more years Social Science	602	29	24.3	62	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	155	7	24.5	63	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	546	26	23.8	58	504,877	27	21.3	43
Less than 3 years of Social Science	562	27	22.7	53	180,385	10	19.4	32
Zero years / no Social Science courses reported	80	4	21.4	41	85,294	5	17.8	24
<b>NATURAL SCIENCE COURSE PATTERN</b>								
	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	1,180	56	24.0	62	781,043	42	22.1	46
Bio, Chem, Phys	207	10	23.3	58	199,419	11	23.1	54
Gen Sci <sup>1</sup> , Bio, Chem	433	21	21.4	38	505,460	27	20.0	28
Other comb of 3 years of Natural Science	58	3	20.4	34	52,236	3	19.2	24
Less than 3 years of Natural Science	148	7	18.2	16	220,701	12	18.1	17
Zero years / no Natural Science courses reported	79	4	22.0	47	86,928	5	17.7	17

<sup>1</sup>Includes General, Physical and Earth Sciences.

# Section IV

## Career and Educational Aspirations

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

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

Total Students in Report: 2,105

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	37	2	21.0	5	8	17.6	28	2	22.1
Architecture	29	1	23.9	0	0	.	26	2	23.7
Area, Ethnic, & Multidisciplinary Studies	11	1	24.1	1	2	13.0	8	0	26.5
Arts: Visual & Performing	134	6	22.4	3	5	15.7	117	7	22.6
Business	178	8	22.6	6	9	18.5	158	9	22.8
Communications	51	2	23.2	0	0	.	45	3	23.4
Community, Family, & Personal Services	22	1	16.9	1	2	14.0	19	1	17.6
Computer Science & Mathematics	62	3	25.5	1	2	16.0	55	3	25.5
Education	116	6	21.1	0	0	.	108	6	21.1
Engineering	158	8	25.4	3	5	19.7	134	8	25.6
Engineering Technology & Drafting	19	1	19.2	3	5	15.7	16	1	19.8
English & Foreign Languages	52	2	24.9	0	0	.	43	2	24.8
Health Administration & Assisting	39	2	20.1	3	5	16.3	36	2	20.4
Health Sciences & Technologies	314	15	22.7	12	19	16.3	284	16	22.8
Philosophy, Religion, & Theology	7	0	23.0	0	0	.	6	0	23.8
Repair, Production, & Construction	21	1	17.4	15	23	16.7	6	0	19.0
Sciences: Biological & Physical	205	10	25.6	0	0	.	196	11	25.5
Social Sciences & Law	163	8	23.8	3	5	17.7	146	8	24.0
Undecided	414	20	23.7	7	11	19.1	280	16	24.0
No Response	72	3	20.7	1	2	16.0	11	1	22.3

<sup>1</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

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

Total Students in Report: 2,105

**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	15.9	1	14.0	0	.	17	15.8	0	.
2-yr College Degree	45	17.6	0	.	1	11.0	41	17.5	1	24.0
Bachelors Degree	851	21.8	12	15.8	2	15.0	735	21.9	17	20.8
Graduate Study	477	24.9	6	19.7	0	.	410	25.0	8	25.0
Prof. Level Degree	395	25.6	8	16.0	1	29.0	300	25.9	11	26.0
Other	28	19.4	0	.	0	.	25	19.2	0	.
No Response	290	23.0	8	17.9	1	19.0	193	23.3	5	21.8

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	15.9	0	.	0	.	0	.	1	19.0
2-yr College Degree	45	17.6	0	.	0	.	0	.	2	18.5
Bachelors Degree	851	21.8	29	20.4	0	.	22	22.4	34	22.5
Graduate Study	477	24.9	30	23.9	0	.	11	25.5	12	23.8
Prof. Level Degree	395	25.6	37	24.5	0	.	15	27.0	23	26.2
Other	28	19.4	1	19.0	0	.	1	30.0	1	14.0
No Response	290	23.0	25	21.7	0	.	5	23.0	53	23.4

Total Students in Report: 2,105

**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	325	140	185	1	4	19	26	31	17	2
CASTLETON STATE COLLEGE	Vermont	78	30	48	4	13	42	31	9	1	0
VERMONT TECHNICAL COLLEGE	Vermont	65	32	33	0	18	42	26	11	3	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	58	58	0	7	21	40	17	10	5	0
CHAMPLAIN COLLEGE	Vermont	57	20	37	2	9	37	21	18	14	0
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	57	7	50	2	5	21	33	32	7	0
JOHNSON STATE COLLEGE	Vermont	52	12	40	8	15	46	15	15	0	0
LYNDON STATE COLLEGE	Vermont	49	14	35	8	20	47	12	8	2	2
NORTHEASTERN UNIVERSITY	Massachusetts	47	16	31	0	0	2	15	38	38	6
BOSTON UNIVERSITY	Massachusetts	40	8	32	0	8	15	25	35	15	3
SAINT MICHAEL'S COLLEGE	Vermont	37	8	29	0	5	27	27	22	19	0
BOSTON COLLEGE	Massachusetts	28	13	15	0	0	4	11	50	32	4
DARTMOUTH COLLEGE	New Hampshire	26	7	19	0	0	0	12	27	54	8
MCGILL UNIVERSITY		26	9	17	0	0	8	15	27	42	8
MIDDLEBURY COLLEGE	Vermont	25	6	19	0	0	16	24	28	28	4
NORWICH UNIVERSITY	Vermont	25	9	16	0	8	24	36	24	8	0
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	24	4	20	0	0	13	33	38	17	0
CLARKSON UNIVERSITY	New York	23	1	22	0	0	13	26	22	39	0
UNIVERSITY OF NEW ENGLAND	Maine	23	5	18	0	9	22	39	30	0	0
KEENE STATE COLLEGE	New Hampshire	22	6	16	9	9	41	32	9	0	0
UNIVERSITY OF SOUTHERN MAINE	Maine	20	2	18	0	15	35	25	10	15	0
UNIVERSITY OF CONNECTICUT	Connecticut	19	9	10	0	5	11	37	37	11	0
TUFTS UNIVERSITY	Massachusetts	18	7	11	0	0	0	6	22	50	22
UNIVERSITY OF MAINE THE	Maine	18	10	8	0	6	11	33	44	6	0
CORNELL UNIVERSITY	New York	17	6	11	0	0	6	6	12	59	18
NEW YORK UNIVERSITY	New York	17	2	15	0	0	24	12	29	29	6
QUINNIPIAC UNIVERSITY	Connecticut	17	2	15	0	0	24	41	29	6	0
RENSSELAER POLYTECHNIC INSTITUTE	New York	16	2	14	0	0	0	0	6	75	19
SKIDMORE COLLEGE	New York	16	2	14	0	0	6	19	56	19	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	16	6	10	0	0	6	25	31	38	0
All Other Institutions		1,378	382	996	1	7	18	24	26	20	4
<b>Total</b>		<b>2,639</b>	<b>835</b>	<b>1,804</b>	<b>1</b>	<b>7</b>	<b>20</b>	<b>24</b>	<b>25</b>	<b>19</b>	<b>3</b>

# Section V

## Optional Writing Test Results

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

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

Total Students in Report: 2,105

**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
<b>All Students</b>	<b>1,880</b>	<b>976,031</b>	<b>23.1</b>	<b>21.3</b>	<b>7.7</b>	<b>7.1</b>	<b>22.6</b>	<b>20.6</b>
Black/African American	29	114,263	16.4	16.4	6.8	6.3	16.8	16.3
American Indian/Alaska Native	5	6,408	16.6	16.8	6.2	6.2	16.4	16.5
White	1,537	520,054	23.3	23.1	7.8	7.3	22.7	22.1
Hispanic/Latino	39	167,575	23.4	18.5	7.7	6.9	22.7	18.4
Asian	113	61,663	21.3	23.7	7.6	7.7	21.2	22.9
Native Hawaiian/Other Pac. Isl.	0	3,742	.	17.7	.	6.6	.	17.6
Two or more races	47	39,565	25.0	21.4	8.1	7.1	24.3	20.7
Prefer not/No Response	110	62,761	23.4	21.6	7.7	7.1	22.7	20.9
Males	812	438,500	22.9	21.1	7.6	6.9	22.2	20.2
Females	1,068	530,240	23.2	21.6	7.9	7.3	22.8	21.1
Missing	0	7,291	.	16.0	.	5.9	.	15.7





