



# Profile Report - State

Graduating Class 2015

Vermont





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This report provides information about the performance of your 2015 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 2015. 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.

Total Students in Report: 2,179

**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

44% 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:** 2,179 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 4% of the cohort took less than three years of math courses. Of these students, 20% were college ready. 8% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 17% 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 6% of the cohort took less than three years of natural science courses. 25% of these students were college ready. In comparison, 59% 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 30% 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

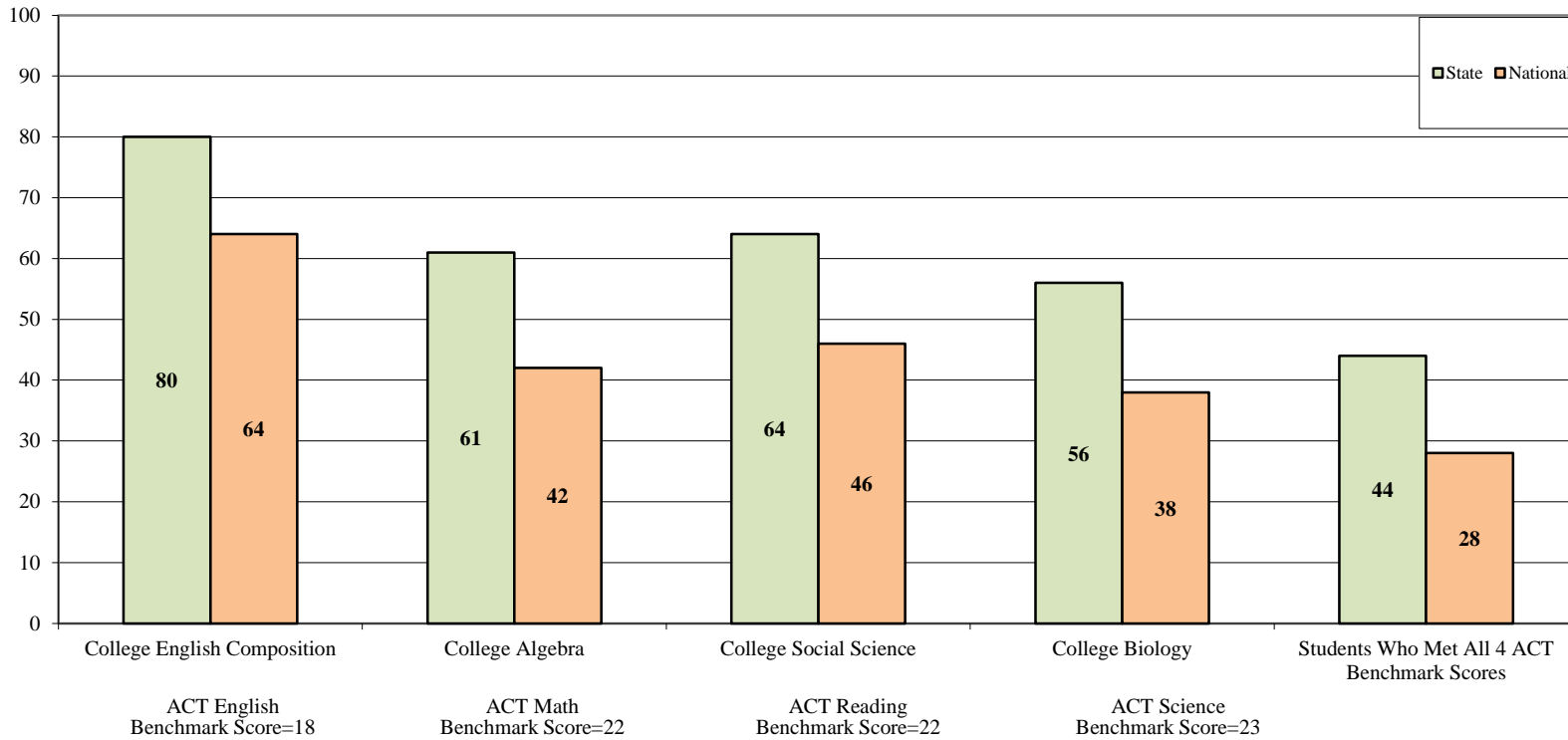
## Executive Summary

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: 2,179

**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
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
2014	2,105	1,845,787	78	64	60	43	58	44	52	37	40	26
<b>2015</b>	<b>2,179</b>	<b>1,924,436</b>	<b>80</b>	<b>64</b>	<b>61</b>	<b>42</b>	<b>64</b>	<b>46</b>	<b>56</b>	<b>38</b>	<b>44</b>	<b>28</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
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
2014	2,105	1,845,787	22.8	20.3	23.0	20.9	23.7	21.3	22.8	20.8	23.2	21.0
<b>2015</b>	<b>2,179</b>	<b>1,924,436</b>	<b>23.2</b>	<b>20.4</b>	<b>23.0</b>	<b>20.8</b>	<b>24.1</b>	<b>21.4</b>	<b>23.2</b>	<b>20.9</b>	<b>23.5</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
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
2014	1,845,787	20.3	20.9	21.3	20.8	21.0
<b>2015</b>	<b>1,924,436</b>	<b>20.4</b>	<b>20.8</b>	<b>21.4</b>	<b>20.9</b>	<b>21.0</b>

Total Students in Report: 2,179

**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
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
2014	1,343	671	64	32	23.8	21.4	23.7	21.7	24.5	22.5	23.5	21.7	24.0	21.9
<b>2015</b>	<b>1,391</b>	<b>715</b>	<b>64</b>	<b>33</b>	<b>23.9</b>	<b>22.1</b>	<b>23.6</b>	<b>22.0</b>	<b>24.6</b>	<b>23.2</b>	<b>23.7</b>	<b>22.2</b>	<b>24.1</b>	<b>22.5</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.

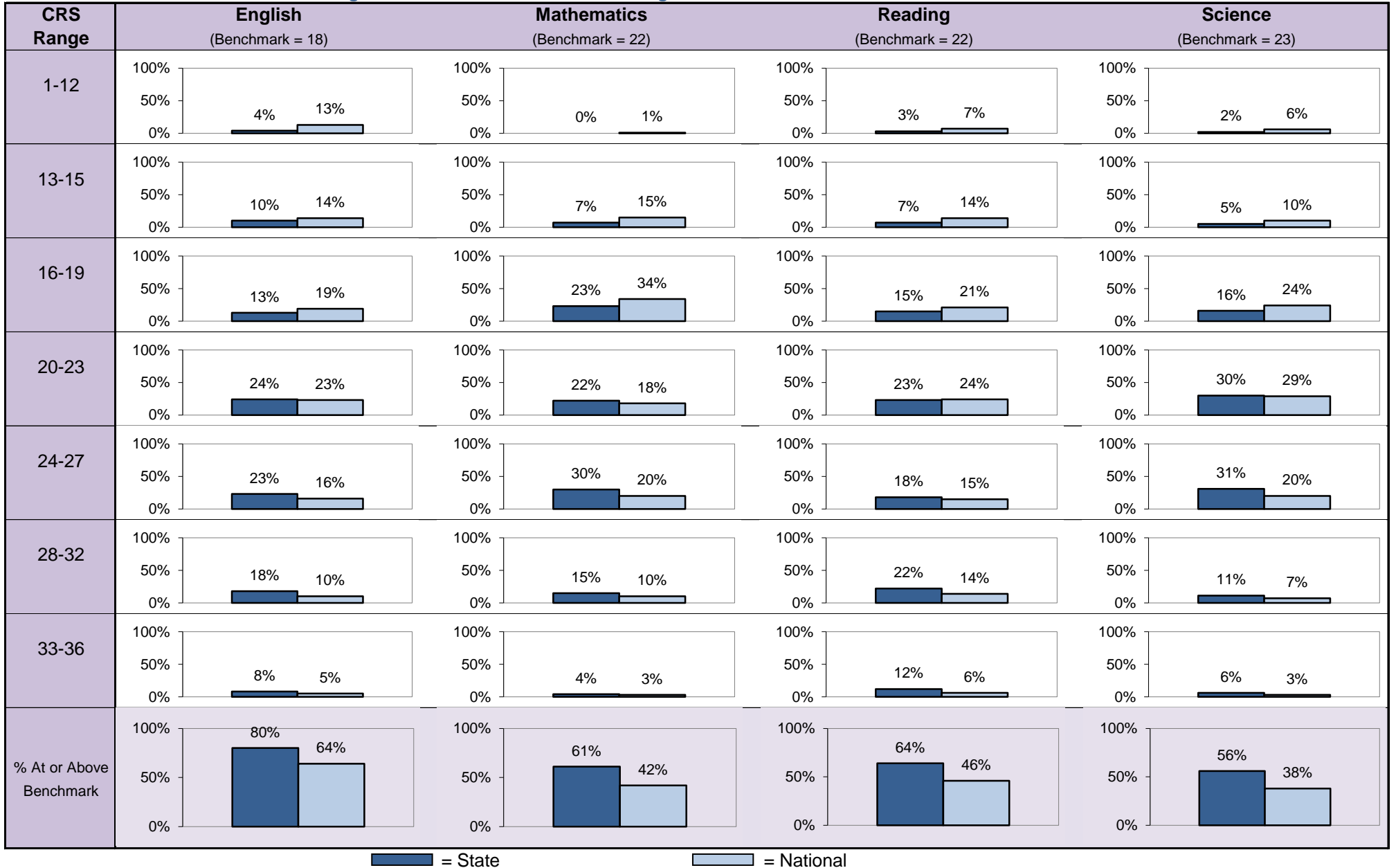
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</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>	<b>2,179</b>	<b>100</b>	<b>23.5</b>
Black/African American	24	1	19.0	34	2	17.8	33	2	18.4	35	2	16.9	40	2	18.0
American Indian/Alaska Native	8	0	21.8	6	0	21.5	5	0	19.0	5	0	17.8	3	0	19.0
White	1,729	84	22.9	1,653	82	23.2	1,645	82	23.1	1,721	82	23.3	1,789	82	23.7
Hispanic/Latino	41	2	20.4	39	2	23.1	51	3	22.4	42	2	23.2	44	2	22.8
Asian	70	3	22.2	98	5	21.1	91	5	22.8	122	6	22.7	88	4	21.6
Native Hawaiian/Other Pacific Islander	1	0	17.0	1	0	24.0	0	0	.	0	0	.	4	0	22.3
Two or more races	42	2	24.0	49	2	21.7	50	2	23.3	54	3	24.5	53	2	25.1
Prefer not to respond/No response	138	7	21.1	129	6	23.5	130	6	23.5	126	6	23.5	158	7	24.0

Total Students in Report: 2,179

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



Total Students in Report: 2,179

**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	2,070	95	23.2	23.1	24.0	23.2	23.5
	Extended Time	109	5	22.6	22.2	25.2	23.8	23.6
	Total	2,179	100	23.2	23.0	24.1	23.2	23.5
National	Standard Time	1,838,433	96	20.6	21.0	21.5	21.1	21.2
	Extended Time	86,003	4	16.5	18.1	18.8	18.3	18.1
	Total	1,924,436	100	20.4	20.8	21.4	20.9	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	80	62	64	56	44
	Extended Time	80	51	72	55	38
	Total	80	61	64	56	44
National	Standard Time	65	43	47	39	28
	Extended Time	38	22	32	23	16
	Total	64	42	46	38	28

# 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: 2,179

**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	7	100	10	100	27	100	17	100	2	100	36
35	38	100	18	100	41	99	43	99	11	100	35
34	78	98	30	99	83	97	34	97	29	99	34
33	59	94	29	97	100	93	35	96	49	98	33
32	75	92	33	96	96	88	44	94	53	96	32
31	77	88	42	94	83	84	29	92	66	93	31
30	70	85	49	93	105	80	40	91	83	90	30
29	74	81	69	90	91	75	59	89	103	87	29
28	89	78	127	87	109	71	68	86	126	82	28
27	92	74	157	81	81	66	114	83	141	76	27
26	101	70	194	74	91	63	141	78	113	70	26
25	153	65	143	65	96	58	206	71	145	64	25
24	147	58	166	59	131	54	205	62	184	58	24
23	134	51	143	51	125	48	193	53	161	49	23
22	145	45	121	44	137	42	146	44	132	42	22
21	134	39	93	39	114	36	192	37	139	36	21
20	114	32	118	35	123	31	126	28	123	29	20
19	79	27	110	29	104	25	129	22	109	24	19
18	71	24	118	24	69	20	89	16	106	19	18
17	58	20	137	19	84	17	69	12	103	14	17
16	77	18	127	12	67	13	57	9	68	9	16
15	118	14	93	7	69	10	41	7	51	6	15
14	49	9	34	2	52	7	33	5	36	4	14
13	45	6	15	1	40	5	28	3	25	2	13
12	31	4	3	1	28	3	22	2	15	1	12
11	23	3	0	1	16	2	6	1	5	1	11
10	18	2	0	1	11	1	6	1	1	1	10
9	12	1	0	1	3	1	6	1	0	1	9
8	9	1	0	1	2	1	1	1	0	1	8
7	2	1	0	1	0	1	0	1	0	1	7
6	0	1	0	1	0	1	0	1	0	1	6
5	0	1	0	1	0	1	0	1	0	1	5
4	0	1	0	1	1	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)	23.2 (6.3)		23.0 (5.1)		24.1 (6.3)		23.2 (5.1)		23.5 (5.2)		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: 2,179

**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	127	100	67	100	121	100	192	100	114	100	23	100	33	100	18
17	211	94	53	97	203	94	200	91	108	95	21	99	10	98	17
16	117	84	215	94	172	85	168	82	194	90	57	98	137	98	16
15	189	79	217	85	176	77	229	74	181	81	191	95	190	92	15
14	118	70	205	75	154	69	203	64	183	73	284	87	287	83	14
13	193	65	239	65	225	62	170	54	262	64	290	74	291	70	13
12	171	56	223	54	241	52	174	47	252	52	219	60	267	56	12
11	240	48	284	44	191	41	144	39	157	41	324	50	253	44	11
10	194	37	135	31	193	32	146	32	176	33	266	35	235	33	10
9	145	28	175	25	130	23	178	25	150	25	246	23	206	22	9
8	153	22	146	17	148	17	108	17	133	18	116	12	112	12	8
7	116	15	75	10	114	10	91	12	166	12	74	7	68	7	7
6	84	9	67	7	55	5	94	8	71	5	26	3	43	4	6
5	61	6	50	4	34	3	51	4	23	1	26	2	22	2	5
4	34	3	18	1	10	1	22	1	7	1	4	1	9	1	4
3	20	1	7	1	5	1	7	1	1	1	11	1	9	1	3
2	5	1	3	1	3	1	2	1	1	1	0	1	0	1	2
1	1	1	0	1	4	1	0	1	0	1	1	1	7	1	1
Avg (SD)	11.8 (3.8)		11.9 (3.3)		12.3 (3.5)		12.5 (3.8)		12.1 (3.4)		11.5 (2.7)		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)	28	27	29	26	27
Q2 (50th Percentile)	23	23	24	23	24
Q1 (25th Percentile)	19	19	19	20	20

Total Students in Report: 2,179

**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>2,179</b>	<b>64</b>	<b>24.1</b>	<b>22.5</b>
	Black/African American	40	68	18.3	17.5
	American Indian/Alaska Native	3	67	17.0	23.0
	White	1,789	66	24.1	22.8
	Hispanic/Latino	44	73	23.2	21.9
	Asian	88	55	23.2	19.7
	Native Hawaiian/Other Pac. Isl.	4	75	22.0	23.0
	Two or more races	53	74	26.0	22.8
	Prefer not/No Response	158	42	25.4	21.9
National	<b>All Students</b>	<b>1,924,436</b>	<b>72</b>	<b>21.9</b>	<b>18.9</b>
	Black/African American	252,566	67	17.8	15.9
	American Indian/Alaska Native	14,711	61	19.0	16.5
	White	1,057,803	76	23.2	20.2
	Hispanic/Latino	299,920	71	19.6	17.4
	Asian	87,499	79	24.5	22.0
	Native Hawaiian/Other Pac. Isl.	6,090	62	20.3	16.5
	Two or more races	76,066	73	22.0	19.3
	Prefer not/No Response	129,781	54	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>	23.2	23.0	24.1	23.2	23.5
	Black/African American	17.1	18.3	17.9	18.3	18.0
	American Indian/Alaska Native	18.0	20.3	16.3	20.0	19.0
	White	23.4	23.1	24.3	23.4	23.7
	Hispanic/Latino	22.8	21.6	24.0	22.5	22.8
	Asian	20.0	23.6	20.8	21.8	21.6
	Native Hawaiian/Other Pac. Isl.	21.5	20.0	22.3	24.3	22.3
	Two or more races	25.2	24.3	25.9	24.4	25.1
	Prefer not/No Response	23.8	23.0	25.1	23.6	24.0
National	<b>All Students</b>	20.4	20.8	21.4	20.9	21.0
	Black/African American	15.9	17.2	17.4	17.3	17.1
	American Indian/Alaska Native	16.6	18.1	18.4	18.2	17.9
	White	22.1	21.9	22.9	22.2	22.4
	Hispanic/Latino	17.8	19.1	19.2	19.0	18.9
	Asian	23.0	25.0	23.3	23.6	23.9
	Native Hawaiian/Other Pac. Isl.	17.7	19.2	18.9	18.8	18.8
	Two or more races	20.7	20.8	21.8	21.1	21.2
	Prefer not/No Response	19.9	20.5	21.1	20.5	20.6



Total Students in Report: 2,179

**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	182	8	87	4	251	12	129	6
	28 to 32	385	18	320	15	484	22	240	11
	24 to 27	493	23	660	30	399	18	666	31
	20 to 23	527	24	475	22	499	23	657	30
	16 to 19	285	13	492	23	324	15	344	16
	13 to 15	212	10	142	7	161	7	102	5
	01 to 12	95	4	3	0	61	3	41	2
National	33 to 36	100,774	5	54,201	3	114,663	6	62,731	3
	28 to 32	198,676	10	185,515	10	261,565	14	140,666	7
	24 to 27	303,299	16	384,130	20	281,364	15	388,063	20
	20 to 23	444,997	23	352,854	18	463,232	24	559,967	29
	16 to 19	357,690	19	646,399	34	409,189	21	462,353	24
	13 to 15	277,710	14	283,831	15	264,288	14	200,383	10
	01 to 12	241,290	13	17,506	1	130,135	7	110,273	6

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	981	45	22.7	23.7	23.9	23.7	23.6
	Females	1,198	55	23.6	22.4	24.3	22.9	23.4
	Missing	0	0	.	.	.	.	.
National	Males	895,775	47	20.0	21.3	21.2	21.3	21.1
	Females	1,013,212	53	20.8	20.4	21.6	20.6	21.0
	Missing	15,449	1	15.7	17.7	17.6	17.5	17.3

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	78	66	63	60	47
	Females	81	57	65	53	41
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 2,179

**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>	1,391	84	23.9	66	23.6	67	24.6	60	23.7	47	24.1
	Less than Core	715	72	22.1	53	22.0	57	23.2	50	22.2	38	22.5
	Missing <sup>3</sup>	73	77	21.8	45	21.3	66	24.2	53	23.2	36	22.8
National	Core or More	1,389,338	71	21.4	49	21.7	52	22.3	44	21.8	33	21.9
	Less than Core	424,562	48	18.0	27	18.9	32	19.3	24	19.0	16	18.9
	Missing	110,536	38	16.3	19	17.8	25	18.0	19	17.8	11	17.6

<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>	2,033	81	23.4	2,025	63	23.3	1,499	66	24.3	1,974	59	23.5
	Less than Core	81	56	18.3	84	20	17.6	616	59	23.5	141	25	18.7
	Missing <sup>3</sup>	65	82	22.5	70	46	21.4	64	70	24.9	64	58	23.9
National	Core or More	1,732,463	67	20.8	1,743,121	45	21.2	1,627,689	49	21.8	1,592,830	42	21.5
	Less than Core	93,944	36	15.9	78,951	8	16.3	194,720	34	19.5	227,926	18	18.1
	Missing	98,029	40	16.5	102,364	20	17.8	102,027	26	18.1	103,680	20	18.0

<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

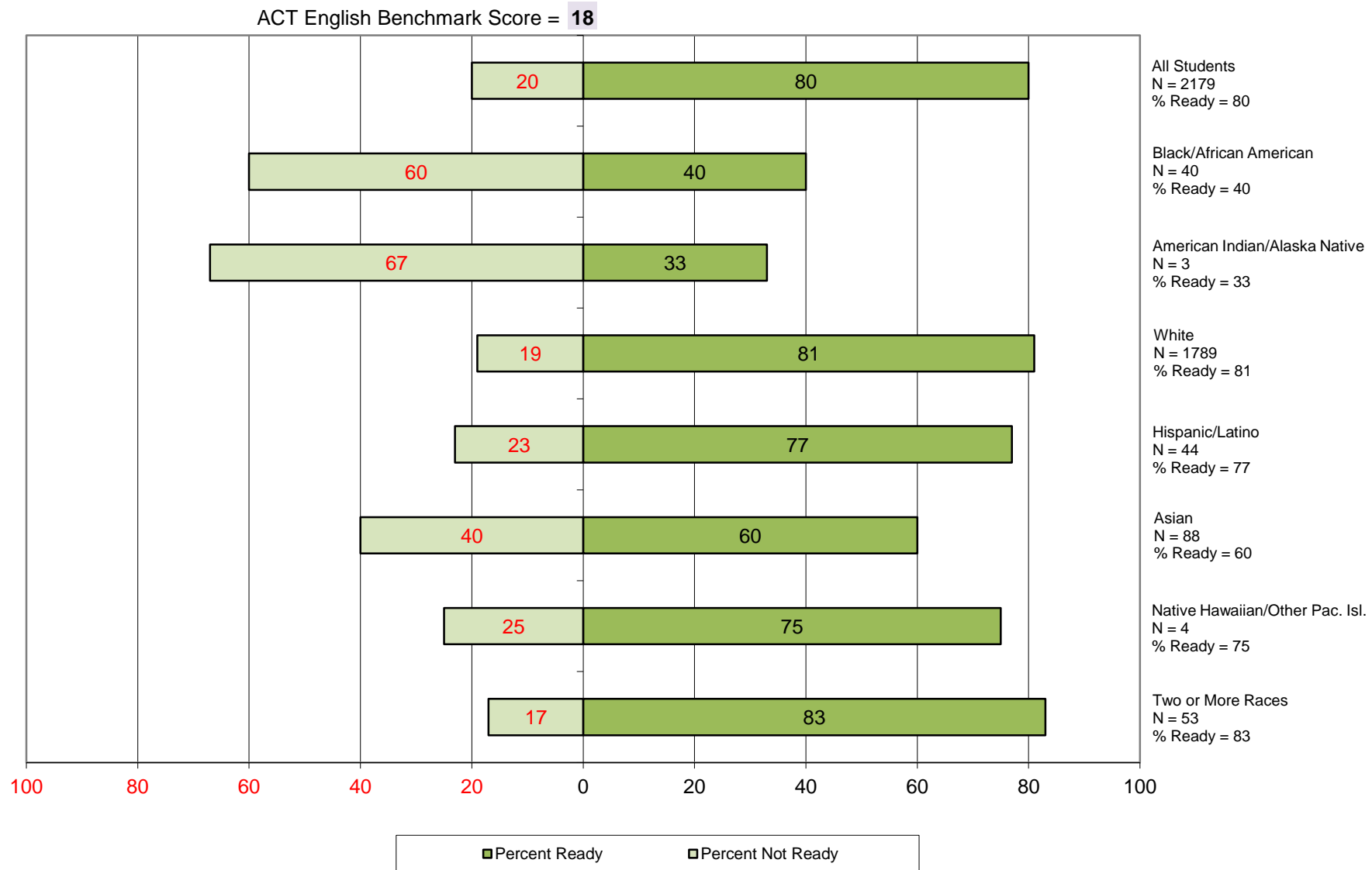


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

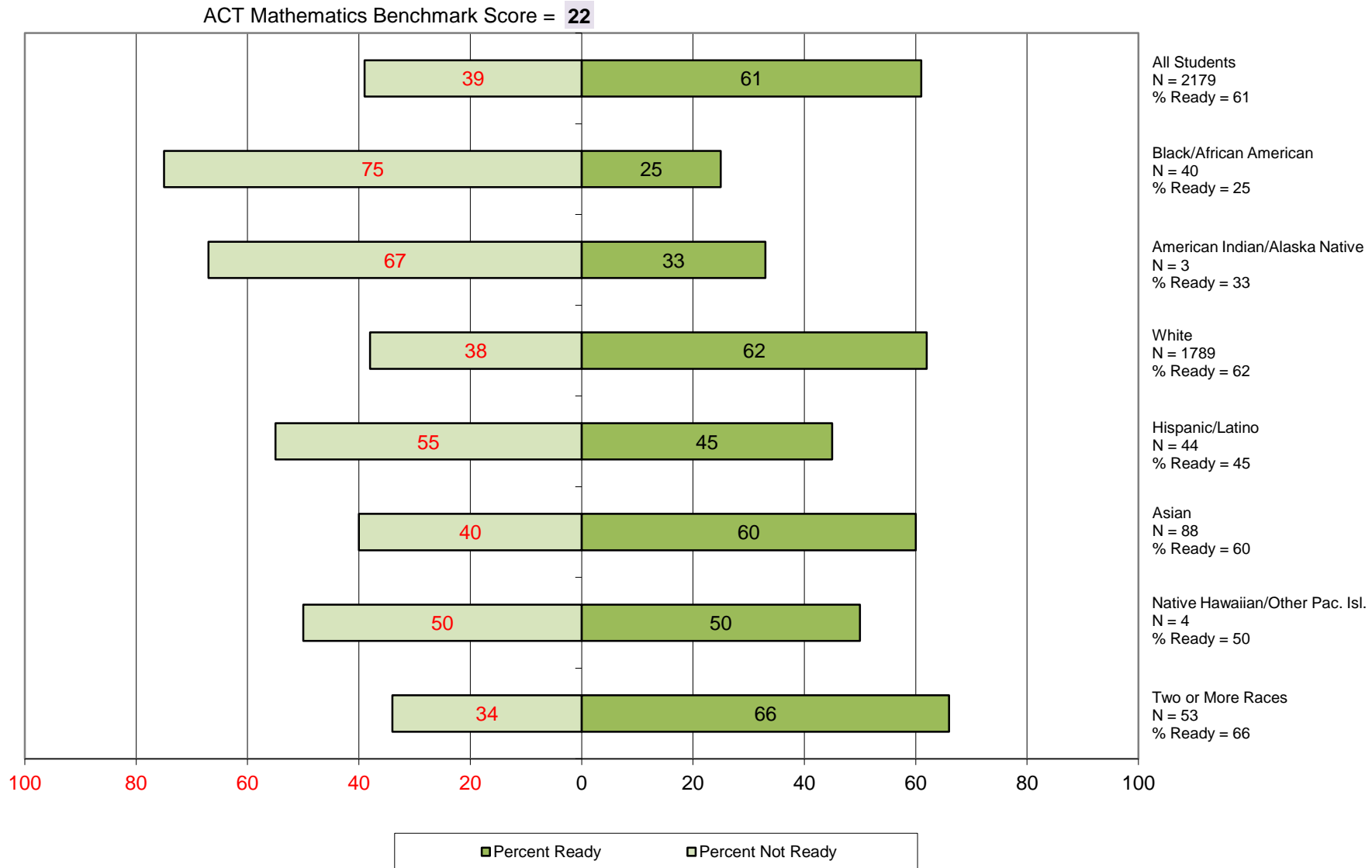


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

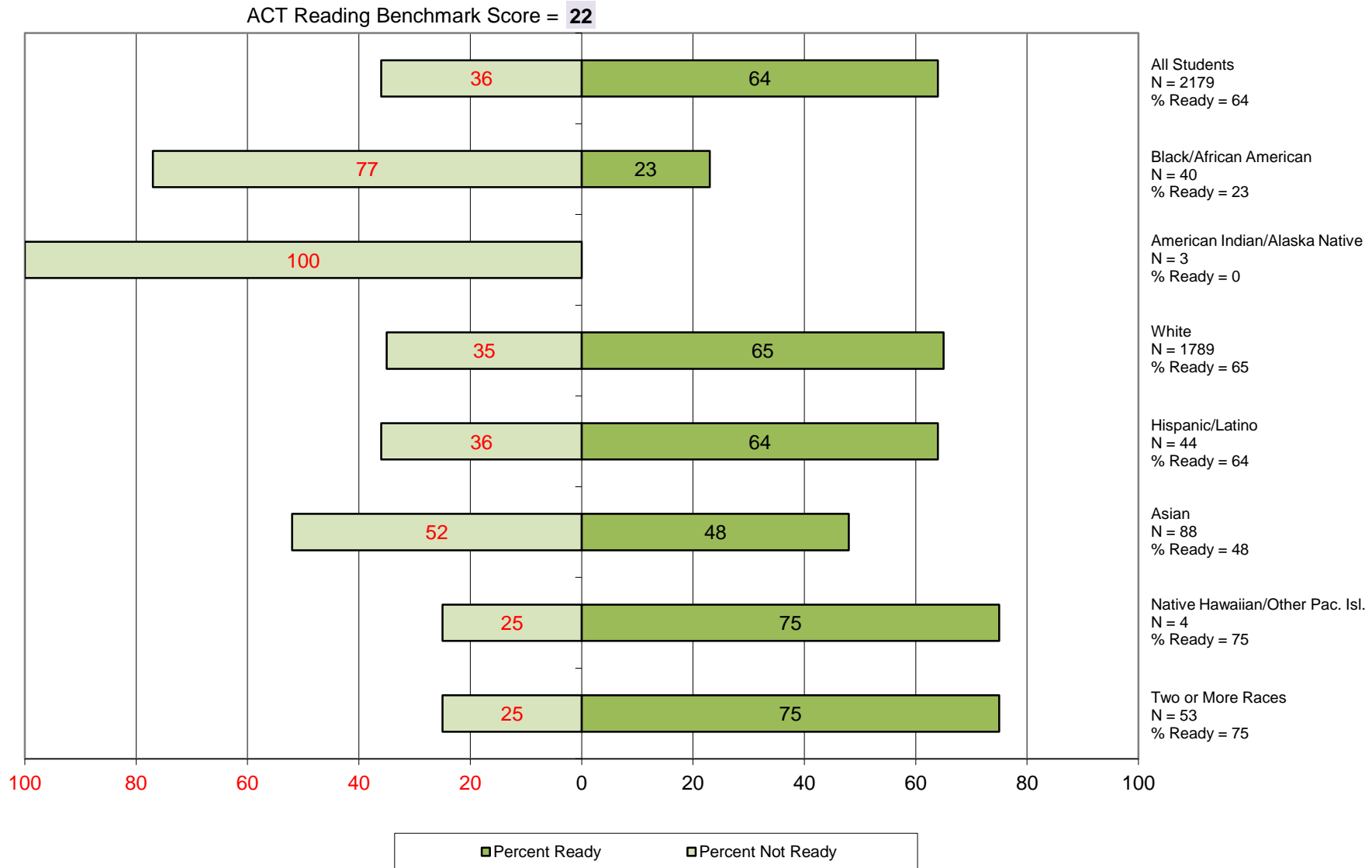
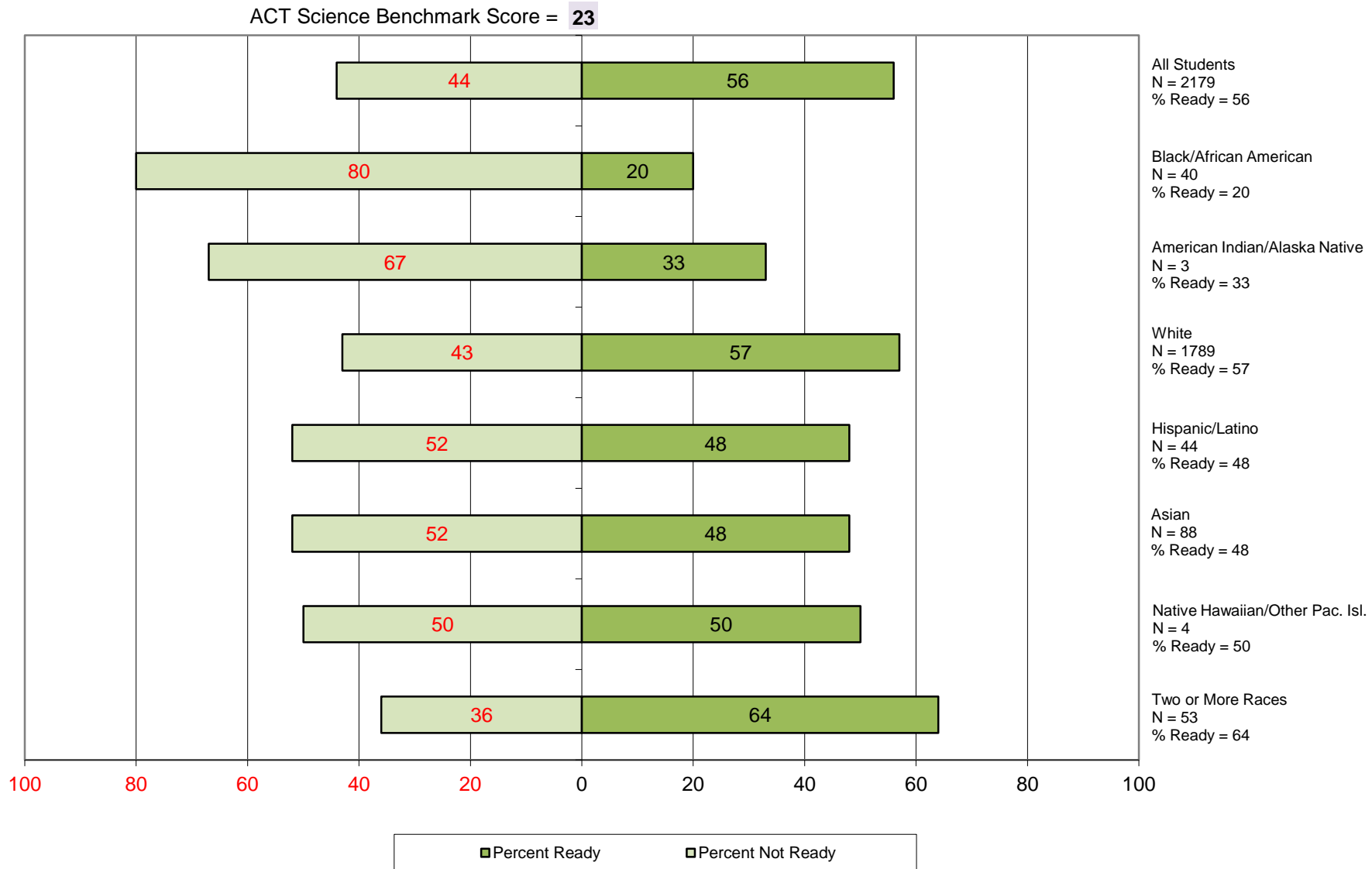
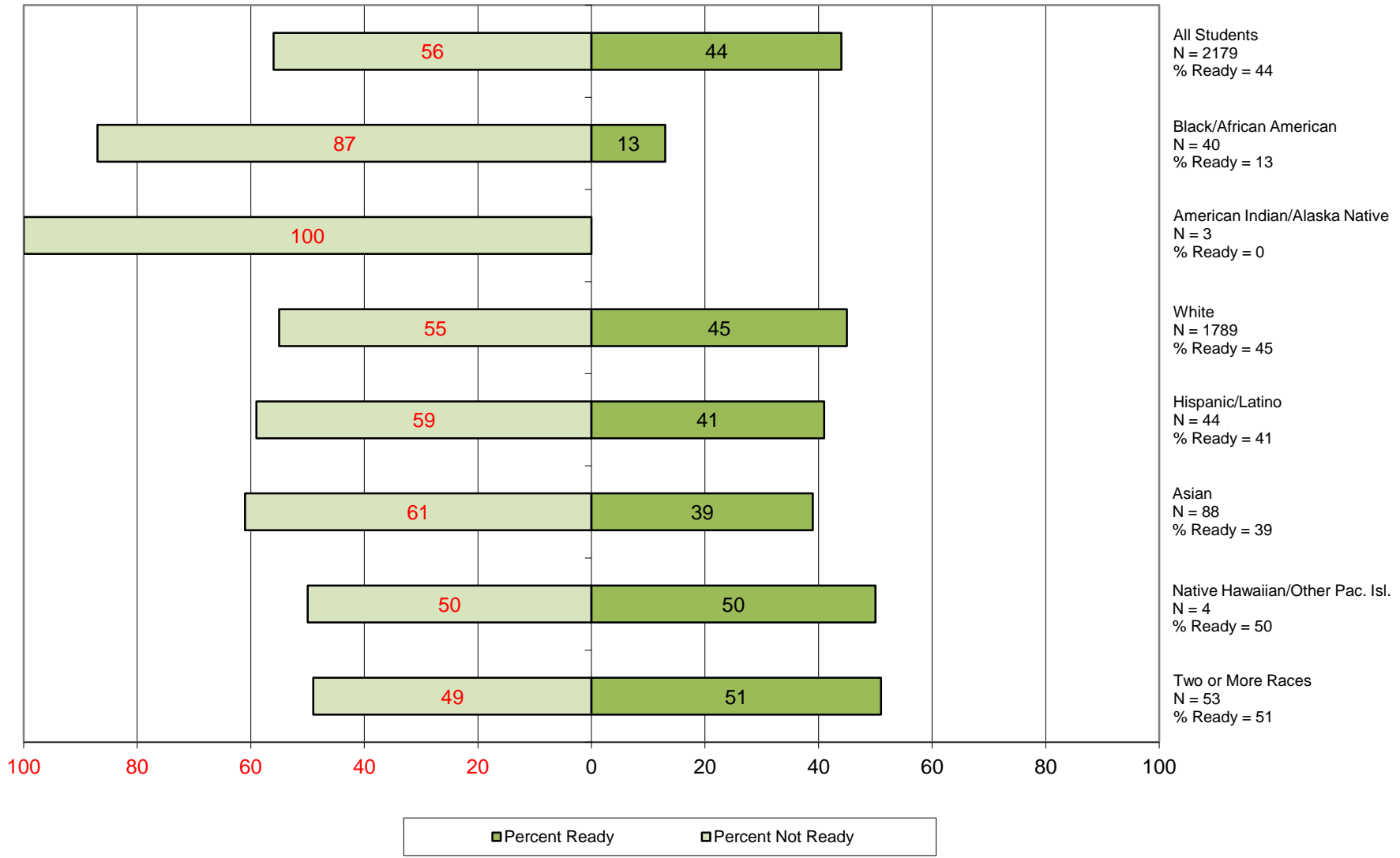


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 2,179

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





Total Students in Report: 2,179

**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	612	28	23.8	5.5	249	25	23.1	5.7	363	30	24.3	5.1
Eng 9, Eng 10, Eng 11, Eng 12	1,421	65	23.3	5.0	651	66	22.9	5.5	770	64	23.5	4.3
Less than 4 years of English	81	4	18.3	-	41	4	17.4	-	40	3	19.2	-
Zero years / no English courses reported	65	3	22.5	-	40	4	21.4	-	25	2	24.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	237	11	26.2	8.6	95	10	27.7	9.7	142	12	25.3	8.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	211	10	22.3	4.7	90	9	22.5	4.5	121	10	22.1	4.9
Alg 1, Alg 2, Geom, & Trig	101	5	21.2	3.6	38	4	22.1	4.1	63	5	20.7	3.5
Alg 1, Alg 2, Geom, & Other Adv Math	313	14	20.7	3.1	110	11	21.3	3.3	203	17	20.4	3.2
Other comb of 4 or more years of Math	888	41	25.1	7.5	454	46	25.7	7.7	434	36	24.4	7.2
Alg 1, Alg 2, & Geom	183	8	18.2	0.6	77	8	18.3	0.3	106	9	18.0	0.8
Other comb of 3 or 3.5 years of Math	92	4	22.0	4.4	32	3	21.6	3.6	60	5	22.2	5.0
Less than 3 years of Math	84	4	17.6	-	43	4	18.0	-	41	3	17.2	-
Zero years / no Math courses reported	70	3	21.4	-	42	4	21.3	-	28	2	21.6	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	168	8	25.3	1.8	78	8	24.1	0.9	90	8	26.2	2.4
Other comb of 4 or more years Social Science	595	27	24.0	0.5	294	30	24.1	0.9	301	25	24.0	0.2
US Hist, World Hist, & Am Gov	151	7	24.8	1.3	65	7	24.1	0.9	86	7	25.3	1.5
Other comb of 3 or 3.5 years of Social Science	585	27	24.2	0.7	248	25	24.3	1.1	337	28	24.1	0.3
Less than 3 years of Social Science	616	28	23.5	-	257	26	23.2	-	359	30	23.8	-
Zero years / no Social Science courses reported	64	3	24.9	-	39	4	24.0	-	25	2	26.4	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	1,240	57	24.1	5.4	612	62	24.7	6.7	628	52	23.5	4.2
Bio, Chem, Phys	220	10	23.8	5.1	97	10	23.9	5.9	123	10	23.8	4.5
Gen Sci <sup>2</sup> , Bio, Chem	467	21	22.1	3.4	146	15	21.9	3.9	321	27	22.1	2.8
Other comb of 3 years of Natural Science	47	2	21.0	2.3	24	2	21.8	3.8	23	2	20.2	0.9
Less than 3 years of Natural Science	141	6	18.7	-	63	6	18.0	-	78	7	19.3	-
Zero years / no Natural Science courses reported	64	3	23.9	-	39	4	23.5	-	25	2	24.6	-

<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: 2,179

**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	612	28	23.8	81	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	1,421	65	23.3	80	1,359,318	71	20.6	65
Less than 4 years of English	81	4	18.3	56	93,944	5	15.9	36
Zero years / no English courses reported	65	3	22.5	82	98,029	5	16.5	40
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	237	11	26.2	88	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	211	10	22.3	60	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	101	5	21.2	48	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	313	14	20.7	42	362,476	19	19.4	30
Other comb of 4 or more years of Math	888	41	25.1	77	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	183	8	18.2	17	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	92	4	22.0	54	95,502	5	19.8	34
Less than 3 years of Math	84	4	17.6	20	78,951	4	16.3	8
Zero years / no Math courses reported	70	3	21.4	46	102,364	5	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	168	8	25.3	71	48,944	3	22.3	51
Other comb of 4 or more years Social Science	595	27	24.0	64	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	151	7	24.8	69	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	585	27	24.2	65	527,956	27	21.4	46
Less than 3 years of Social Science	616	28	23.5	59	194,720	10	19.5	34
Zero years / no Social Science courses reported	64	3	24.9	70	102,027	5	18.1	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	1,240	57	24.1	63	807,744	42	22.2	48
Bio, Chem, Phys	220	10	23.8	60	217,893	11	23.2	55
Gen Sci <sup>1</sup> , Bio, Chem	467	21	22.1	48	512,754	27	20.1	30
Other comb of 3 years of Natural Science	47	2	21.0	45	54,439	3	19.1	24
Less than 3 years of Natural Science	141	6	18.7	25	227,926	12	18.1	18
Zero years / no Natural Science courses reported	64	3	23.9	58	103,680	5	18.0	20

<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: 2,179

**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	24.0	1	2	15.0	30	2	24.4
Architecture	16	1	22.1	0	0	.	14	1	21.4
Area, Ethnic, & Multidisciplinary Studies	10	0	22.7	0	0	.	7	0	24.0
Arts: Visual & Performing	130	6	22.4	5	10	15.6	108	6	22.7
Business	222	10	22.2	7	14	19.1	187	10	22.5
Communications	43	2	22.5	0	0	.	35	2	21.9
Community, Family, & Personal Services	25	1	18.8	0	0	.	22	1	18.7
Computer Science & Mathematics	77	4	24.4	1	2	20.0	71	4	24.6
Education	118	5	21.7	1	2	18.0	106	6	21.8
Engineering	184	8	25.7	3	6	17.0	161	9	25.9
Engineering Technology & Drafting	19	1	21.2	2	4	18.5	15	1	21.2
English & Foreign Languages	49	2	25.7	0	0	.	44	2	25.7
Health Administration & Assisting	37	2	20.6	1	2	21.0	35	2	20.8
Health Sciences & Technologies	308	14	22.6	5	10	16.4	271	15	22.9
Philosophy, Religion, & Theology	8	0	22.4	0	0	.	7	0	21.9
Repair, Production, & Construction	13	1	17.5	6	12	16.8	7	0	18.0
Sciences: Biological & Physical	219	10	25.8	2	4	15.5	198	11	26.0
Social Sciences & Law	156	7	23.8	4	8	16.3	132	7	24.0
Undecided	444	20	24.3	10	20	17.7	340	19	24.2
No Response	63	3	22.3	2	4	17.0	7	0	18.3

<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: 2,179

**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	18	18.1	1	14.0	0	.	14	18.9	0	.
2-yr College Degree	33	16.7	2	16.5	0	.	27	16.7	0	.
Bachelors Degree	946	22.0	19	16.3	2	20.0	831	22.1	19	21.7
Graduate Study	456	25.1	4	22.5	1	17.0	389	25.3	8	24.3
Prof. Level Degree	395	26.2	8	19.6	0	.	315	26.4	8	23.8
Other	15	23.1	0	.	0	.	12	23.4	0	.
No Response	316	23.5	6	19.5	0	.	201	23.9	9	23.2

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	18	18.1	1	18.0	0	.	0	.	2	14.0
2-yr College Degree	33	16.7	1	14.0	0	.	0	.	3	18.0
Bachelors Degree	946	22.0	24	20.3	1	20.0	22	22.4	28	22.6
Graduate Study	456	25.1	21	22.2	0	.	11	28.1	22	25.0
Prof. Level Degree	395	26.2	22	24.9	0	.	17	27.4	25	26.4
Other	15	23.1	1	16.0	0	.	1	25.0	1	24.0
No Response	316	23.5	18	19.8	3	23.0	2	20.5	77	23.9

Total Students in Report: 2,179

**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	318	143	175	1	4	18	28	30	18	2
CASTLETON STATE COLLEGE	Vermont	99	27	72	5	9	33	34	15	3	0
VERMONT TECHNICAL COLLEGE	Vermont	63	27	36	5	27	35	17	11	5	0
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	56	12	44	0	4	21	34	34	7	0
CHAMPLAIN COLLEGE	Vermont	55	15	40	4	13	33	25	18	7	0
LYNDON STATE COLLEGE	Vermont	45	19	26	4	22	42	24	7	0	0
SAINT MICHAEL'S COLLEGE	Vermont	41	10	31	0	10	29	29	22	10	0
BOSTON UNIVERSITY	Massachusetts	36	12	24	0	6	17	14	31	33	0
JOHNSON STATE COLLEGE	Vermont	34	7	27	6	15	41	26	6	6	0
NORWICH UNIVERSITY	Vermont	31	9	22	0	6	32	32	26	3	0
NORTHEASTERN UNIVERSITY	Massachusetts	30	6	24	0	3	0	17	27	40	13
KEENE STATE COLLEGE	New Hampshire	28	8	20	0	4	39	39	14	4	0
MIDDLEBURY COLLEGE	Vermont	28	5	23	4	0	11	25	14	32	14
TUFTS UNIVERSITY	Massachusetts	26	5	21	0	0	4	8	23	50	15
UNIVERSITY OF NEW ENGLAND	Maine	26	6	20	0	0	35	42	19	4	0
MCGILL UNIVERSITY		24	9	15	0	0	8	21	38	25	8
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	24	5	19	0	0	17	29	38	17	0
NEW YORK UNIVERSITY	New York	21	7	14	0	0	14	5	29	52	0
RENSSELAER POLYTECHNIC INSTITUTE	New York	21	7	14	0	0	0	14	57	24	5
ENDICOTT COLLEGE	Massachusetts	20	6	14	0	0	10	65	20	5	0
PLYMOUTH STATE UNIVERSITY	New Hampshire	20	2	18	0	5	20	50	25	0	0
DARTMOUTH COLLEGE	New Hampshire	19	6	13	0	0	11	11	32	37	11
BOSTON COLLEGE	Massachusetts	18	5	13	0	6	0	33	44	11	6
CLARKSON UNIVERSITY	New York	17	5	12	0	0	0	24	53	18	6
NCAA ELIGIBILITY CENTER	Indiana	17	14	3	0	0	24	24	35	12	6
UNIV OF COLORADO-BOULDER	Colorado	17	4	13	0	0	0	35	35	24	6
UNIVERSITY OF MAINE THE	Maine	17	3	14	0	0	29	18	41	12	0
ITHACA COLLEGE	New York	16	2	14	6	0	6	19	50	19	0
STATE-NO COLLEGE PLANS	Iowa	16	15	1	13	44	25	13	6	0	0
UNIVERSITY OF RHODE ISLAND	Rhode Island	16	4	12	6	0	31	38	19	6	0
All Other Institutions		1,237	343	894	1	3	16	31	27	18	3
<b>Total</b>		<b>2,436</b>	<b>748</b>	<b>1,688</b>	<b>1</b>	<b>5</b>	<b>19</b>	<b>29</b>	<b>26</b>	<b>17</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: 2,179

**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>1,955</b>	<b>1,108,908</b>	<b>23.5</b>	<b>21.0</b>	<b>7.8</b>	<b>6.9</b>	<b>22.8</b>	<b>20.2</b>
Black/African American	35	136,380	16.5	16.3	7.1	6.0	17.2	15.9
American Indian/Alaska Native	1	7,142	16.0	16.5	8.0	5.9	18.0	16.0
White	1,592	567,060	23.7	22.8	7.8	7.1	23.1	21.8
Hispanic/Latino	40	196,970	23.4	18.4	7.9	6.7	23.0	18.1
Asian	84	68,736	20.0	23.9	7.3	7.6	19.9	23.0
Native Hawaiian/Other Pac. Isl.	4	4,070	21.5	18.0	6.3	6.5	20.0	17.6
Two or more races	52	45,517	25.1	21.3	8.1	6.9	24.4	20.4
Prefer not/No Response	147	83,033	23.6	20.8	7.3	6.7	22.5	19.9
Males	865	507,737	23.1	20.7	7.6	6.6	22.4	19.7
Females	1,090	590,537	23.8	21.4	7.9	7.1	23.2	20.8
Missing	0	10,634	.	16.0	.	5.6	.	15.4





