



# Profile Report - State

Graduating Class 2015

New Hampshire





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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.

**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

49% 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:** 3,487 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. 80% 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 2% of the cohort took less than three years of math courses. Of these students, 28% were college ready. 5% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 20% of these students were college ready. In comparison, 72% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 3% of the cohort took less than three years of natural science courses. 37% of these students were college ready. In comparison, 63% 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 23% 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

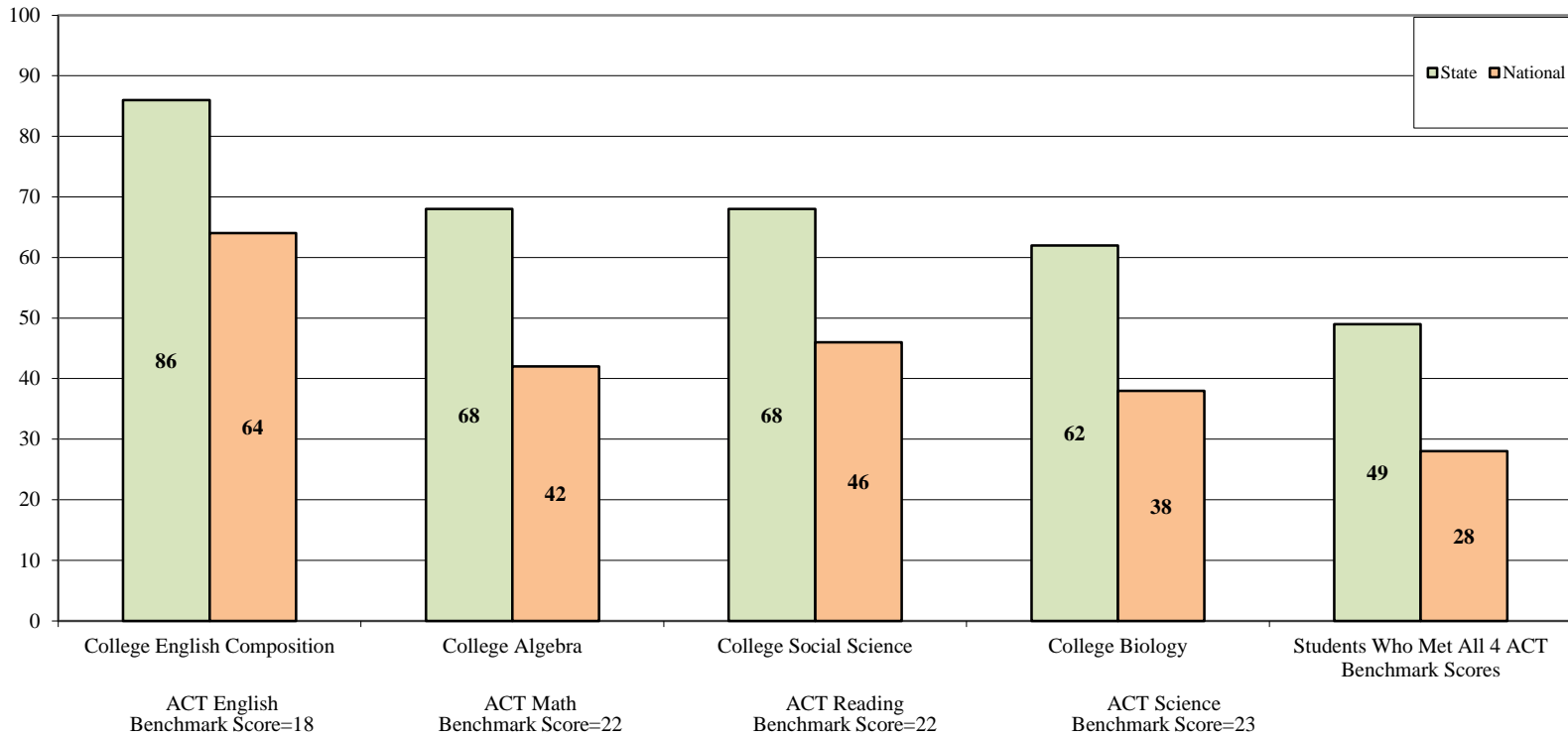
## Executive Summary

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: 3,487

**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	2,884	1,623,112	85	66	66	45	71	52	43	30	38	25
2012	2,979	1,666,017	85	67	68	46	73	52	49	31	42	25
2013	2,987	1,799,243	84	64	66	44	64	44	54	36	43	26
2014	3,179	1,845,787	86	64	69	43	66	44	59	37	47	26
<b>2015</b>	<b>3,487</b>	<b>1,924,436</b>	<b>86</b>	<b>64</b>	<b>68</b>	<b>42</b>	<b>68</b>	<b>46</b>	<b>62</b>	<b>38</b>	<b>49</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	2,884	1,623,112	23.7	20.6	23.7	21.1	24.1	21.3	23.0	20.9	23.7	21.1
2012	2,979	1,666,017	23.6	20.5	23.7	21.1	24.2	21.3	23.3	20.9	23.8	21.1
2013	2,987	1,799,243	23.6	20.2	23.6	20.9	24.2	21.1	23.2	20.7	23.8	20.9
2014	3,179	1,845,787	23.9	20.3	24.2	20.9	24.5	21.3	23.6	20.8	24.2	21.0
<b>2015</b>	<b>3,487</b>	<b>1,924,436</b>	<b>24.1</b>	<b>20.4</b>	<b>24.1</b>	<b>20.8</b>	<b>24.7</b>	<b>21.4</b>	<b>23.9</b>	<b>20.9</b>	<b>24.3</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: 3,487

**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	2,245	503	78	17	24.1	22.9	24.0	22.8	24.5	23.4	23.3	22.1	24.1	22.9
2012	2,378	466	80	16	23.9	22.7	23.9	23.2	24.6	23.2	23.5	22.6	24.1	23.0
2013	2,331	472	78	16	23.9	22.9	23.8	23.2	24.5	23.6	23.5	22.6	24.1	23.2
2014	2,538	522	80	16	24.1	23.6	24.3	23.9	24.8	23.9	23.7	23.4	24.4	23.8
<b>2015</b>	<b>2,803</b>	<b>557</b>	<b>80</b>	<b>16</b>	<b>24.2</b>	<b>24.4</b>	<b>24.1</b>	<b>24.4</b>	<b>24.8</b>	<b>24.8</b>	<b>23.9</b>	<b>24.1</b>	<b>24.4</b>	<b>24.5</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.

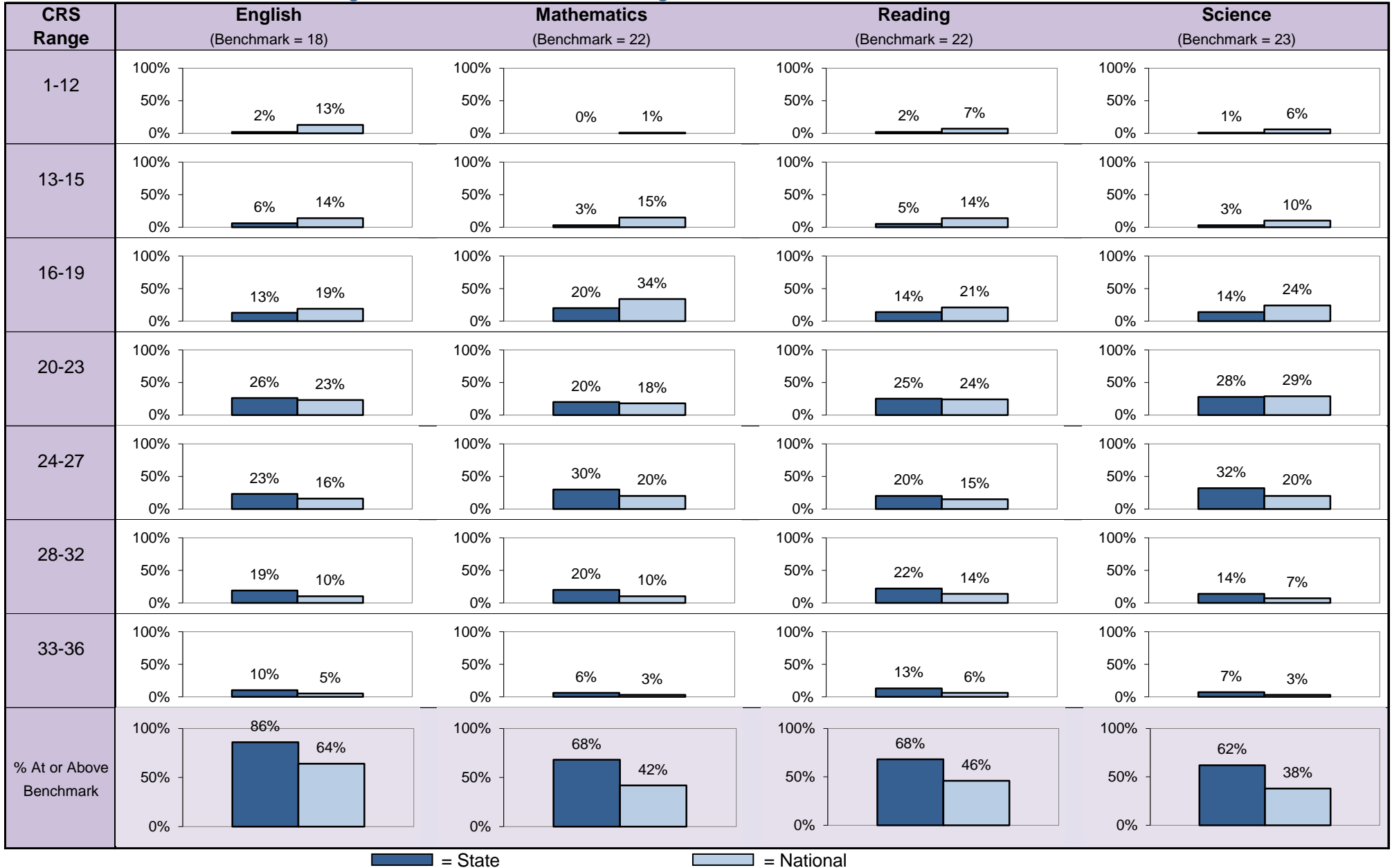
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**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>2,884</b>	<b>100</b>	<b>23.7</b>	<b>2,979</b>	<b>100</b>	<b>23.8</b>	<b>2,987</b>	<b>100</b>	<b>23.8</b>	<b>3,179</b>	<b>100</b>	<b>24.2</b>	<b>3,487</b>	<b>100</b>	<b>24.3</b>
Black/African American	43	1	20.8	45	2	20.8	64	2	22.0	51	2	22.4	67	2	22.5
American Indian/Alaska Native	12	0	21.1	6	0	23.5	6	0	23.8	5	0	23.8	5	0	24.2
White	2,357	82	23.8	2,422	81	23.8	2,360	79	23.7	2,459	77	24.1	2,736	78	24.2
Hispanic/Latino	89	3	23.2	101	3	23.6	102	3	24.1	124	4	23.3	96	3	23.3
Asian	101	4	24.6	135	5	24.8	151	5	24.5	184	6	25.0	196	6	24.9
Native Hawaiian/Other Pacific Islander	0	0	.	2	0	21.0	3	0	20.0	5	0	21.6	7	0	21.9
Two or more races	60	2	23.6	45	2	24.4	71	2	24.7	77	2	25.0	72	2	25.7
Prefer not to respond/No response	222	8	23.9	223	7	24.7	230	8	24.3	274	9	25.1	308	9	25.5

Total Students in Report: 3,487

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



Total Students in Report: 3,487

**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	3,341	96	24.2	24.1	24.7	23.9	24.3
	Extended Time	146	4	23.1	22.7	25.4	23.5	23.8
	Total	3,487	100	24.1	24.1	24.7	23.9	24.3
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	86	68	68	62	50
	Extended Time	82	58	71	57	43
	Total	86	68	68	62	49
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: 3,487

**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	24	100	30	100	58	100	44	100	5	100	36
35	109	99	56	99	74	98	57	99	29	100	35
34	121	96	79	98	139	96	79	97	68	99	34
33	97	93	56	95	169	92	54	95	99	97	33
32	132	90	76	94	169	87	104	93	109	94	32
31	151	86	86	91	139	83	62	90	112	91	31
30	107	82	114	89	171	79	85	89	156	88	30
29	118	79	118	86	161	74	105	86	189	83	29
28	163	75	287	82	141	69	125	83	178	78	28
27	161	71	268	74	163	65	163	79	227	73	27
26	189	66	311	66	156	60	274	75	252	66	26
25	247	61	227	58	165	56	314	67	268	59	25
24	214	54	252	51	211	51	381	58	255	51	24
23	231	47	227	44	219	45	298	47	244	44	23
22	212	41	181	37	235	39	203	38	240	37	22
21	252	35	156	32	212	32	274	33	221	30	21
20	221	28	144	28	189	26	214	25	217	24	20
19	121	21	180	23	150	21	184	19	182	18	19
18	127	18	151	18	160	16	115	13	132	13	18
17	86	14	221	14	90	12	105	10	98	9	17
16	117	12	148	8	90	9	94	7	83	6	16
15	123	8	73	3	78	6	48	4	53	4	15
14	50	5	29	1	53	4	39	3	38	2	14
13	31	3	12	1	34	3	28	2	23	1	13
12	24	2	4	1	37	2	17	1	5	1	12
11	30	2	0	1	14	1	14	1	4	1	11
10	16	1	0	1	6	1	3	1	0	1	10
9	7	1	1	1	0	1	4	1	0	1	9
8	5	1	0	1	3	1	0	1	0	1	8
7	1	1	0	1	1	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	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)	24.1 (6.0)		24.1 (5.2)		24.7 (6.0)		23.9 (5.1)		24.3 (5.0)		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: 3,487

**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	294	100	99	100	236	100	313	100	257	100	59	100	86	100	18
17	367	92	104	97	302	93	302	91	246	93	79	98	26	98	17
16	228	81	386	94	302	85	340	82	396	86	149	96	286	97	16
15	316	75	369	83	355	76	431	73	320	74	382	92	358	89	15
14	231	65	327	73	242	66	307	60	312	65	524	81	482	78	14
13	262	59	380	63	335	59	336	51	460	56	466	66	434	64	13
12	270	51	432	52	413	49	278	42	370	43	332	52	417	52	12
11	423	44	395	40	295	37	259	34	238	32	437	43	405	40	11
10	321	31	304	29	327	29	202	26	239	25	419	30	373	28	10
9	217	22	312	20	220	20	212	21	233	19	302	18	283	18	9
8	208	16	178	11	217	13	154	15	189	12	178	10	143	10	8
7	161	10	77	6	139	7	128	10	157	7	95	5	95	6	7
6	95	5	57	4	57	3	125	6	46	2	18	2	39	3	6
5	44	3	46	2	26	1	63	3	16	1	22	1	36	2	5
4	37	1	12	1	7	1	29	1	4	1	10	1	10	1	4
3	12	1	6	1	7	1	6	1	3	1	10	1	8	1	3
2	1	1	3	1	4	1	2	1	1	1	1	1	0	1	2
1	0	1	0	1	3	1	0	1	0	1	4	1	6	1	1
Avg (SD)	12.4 (3.7)		12.3 (3.0)		12.6 (3.4)		12.8 (3.6)		12.9 (3.3)		12.0 (2.7)		12.1 (2.8)		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	28	30	27	28
Q2 (50th Percentile)	24	24	24	24	24
Q1 (25th Percentile)	20	20	20	21	21

Total Students in Report: 3,487

**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>3,487</b>	<b>80</b>	<b>24.4</b>	<b>24.5</b>
	Black/African American	67	73	21.7	24.9
	American Indian/Alaska Native	5	80	22.3	32.0
	White	2,736	83	24.2	24.2
	Hispanic/Latino	96	79	23.4	22.9
	Asian	196	66	25.0	25.2
	Native Hawaiian/Other Pac. Isl.	7	86	22.3	.
	Two or more races	72	85	25.2	28.6
	Prefer not/No Response	308	68	26.0	26.1
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>	24.1	24.1	24.7	23.9	24.3
	Black/African American	22.5	22.2	22.7	22.2	22.5
	American Indian/Alaska Native	24.0	24.6	24.0	24.2	24.2
	White	24.0	23.8	24.7	23.7	24.2
	Hispanic/Latino	23.5	22.8	23.8	22.7	23.3
	Asian	23.7	27.2	23.6	24.5	24.9
	Native Hawaiian/Other Pac. Isl.	22.0	21.4	22.0	20.6	21.9
	Two or more races	25.4	25.0	26.1	25.7	25.7
	Prefer not/No Response	25.5	24.7	26.5	24.8	25.5
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: 3,487

**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	351	10	221	6	440	13	234	7
	28 to 32	671	19	681	20	781	22	481	14
	24 to 27	811	23	1,058	30	695	20	1,132	32
	20 to 23	916	26	708	20	855	25	989	28
	16 to 19	451	13	700	20	490	14	498	14
	13 to 15	204	6	114	3	165	5	115	3
	01 to 12	83	2	5	0	61	2	38	1
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	1,558	45	23.7	25.0	24.8	24.4	24.6
	Females	1,929	55	24.5	23.4	24.7	23.4	24.1
	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	84	74	68	65	54
	Females	87	63	68	58	46
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

**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>	2,803	87	24.2	69	24.1	69	24.8	62	23.9	50	24.4
	Less than Core	557	82	24.4	68	24.4	64	24.8	60	24.1	49	24.5
	Missing <sup>3</sup>	127	73	21.7	54	22.5	57	23.3	49	22.3	38	22.6
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>	3,287	87	24.3	3,311	69	24.2	2,956	68	24.6	3,256	63	24.0
	Less than Core	82	70	21.1	57	28	19.1	406	70	25.8	114	37	20.6
	Missing <sup>3</sup>	118	72	21.0	119	50	22.0	125	57	23.4	117	45	21.8
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

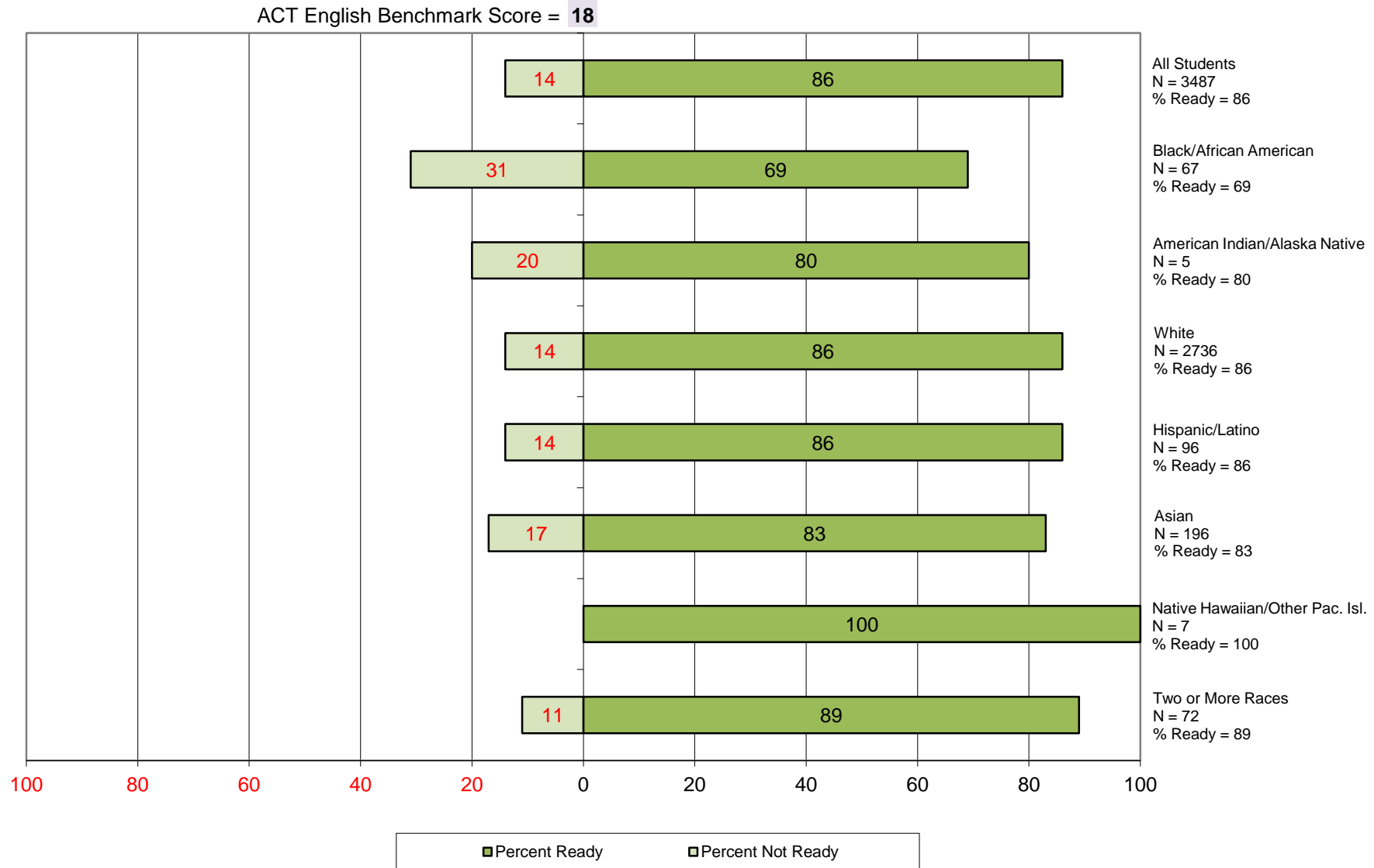


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

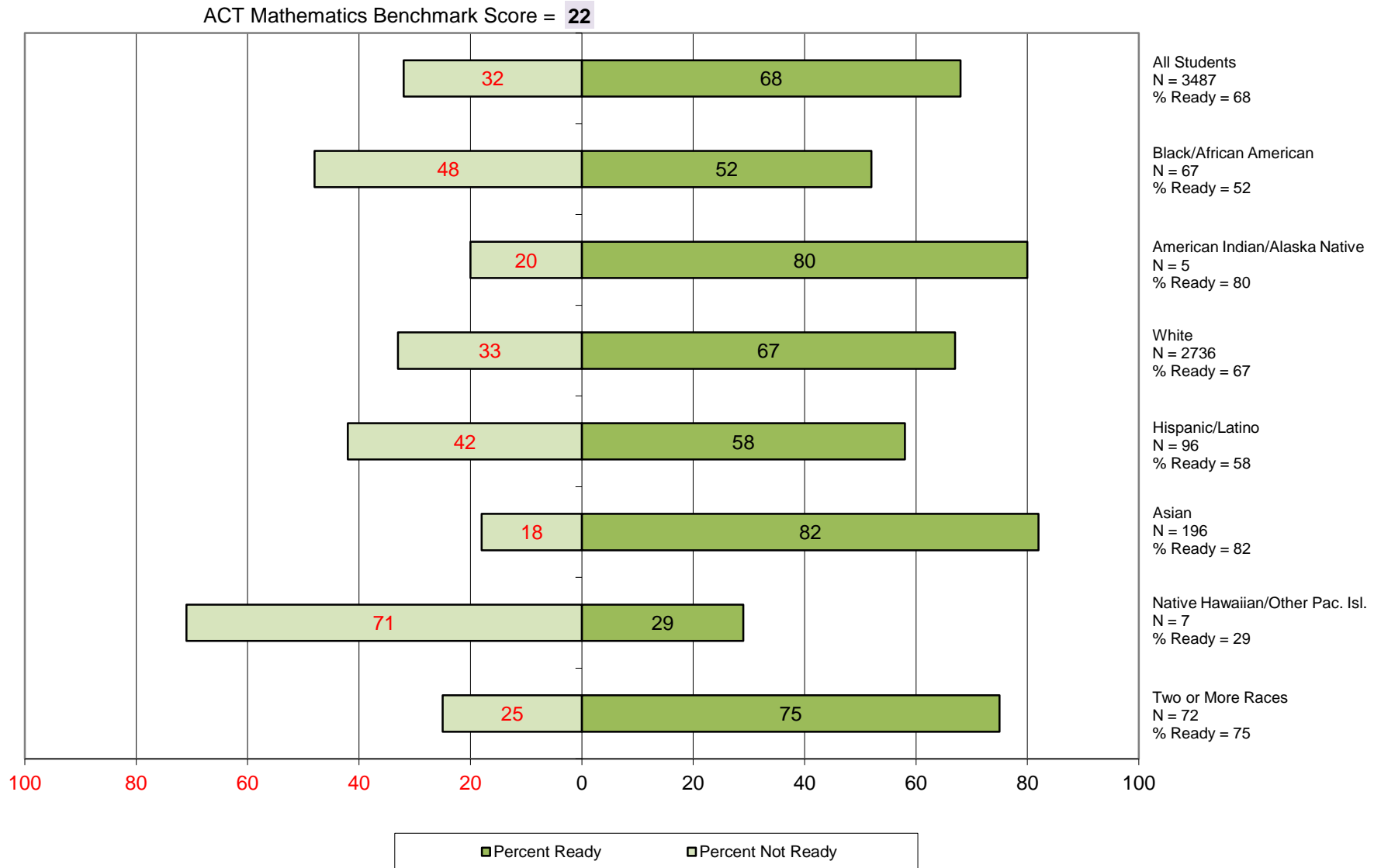


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

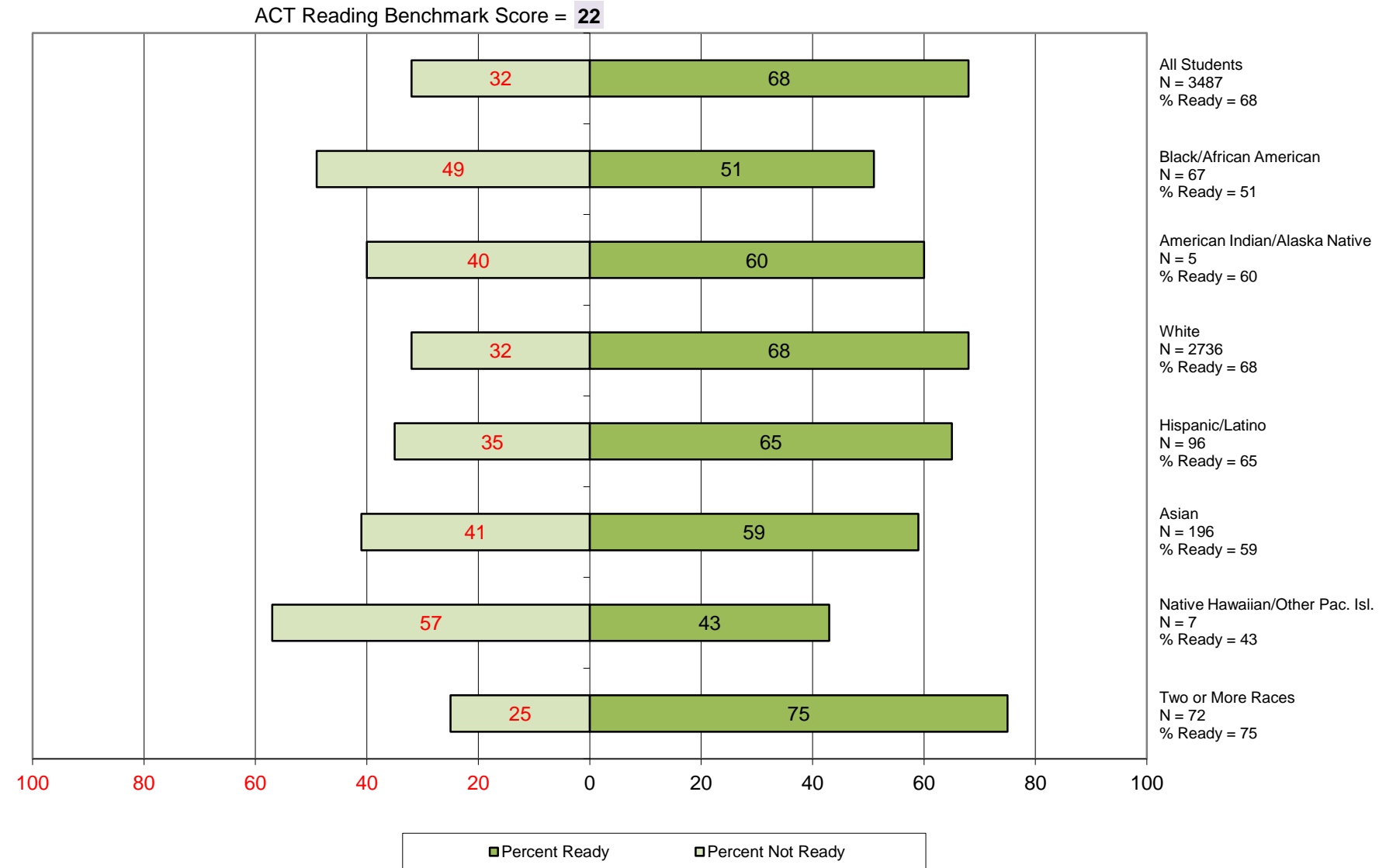


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

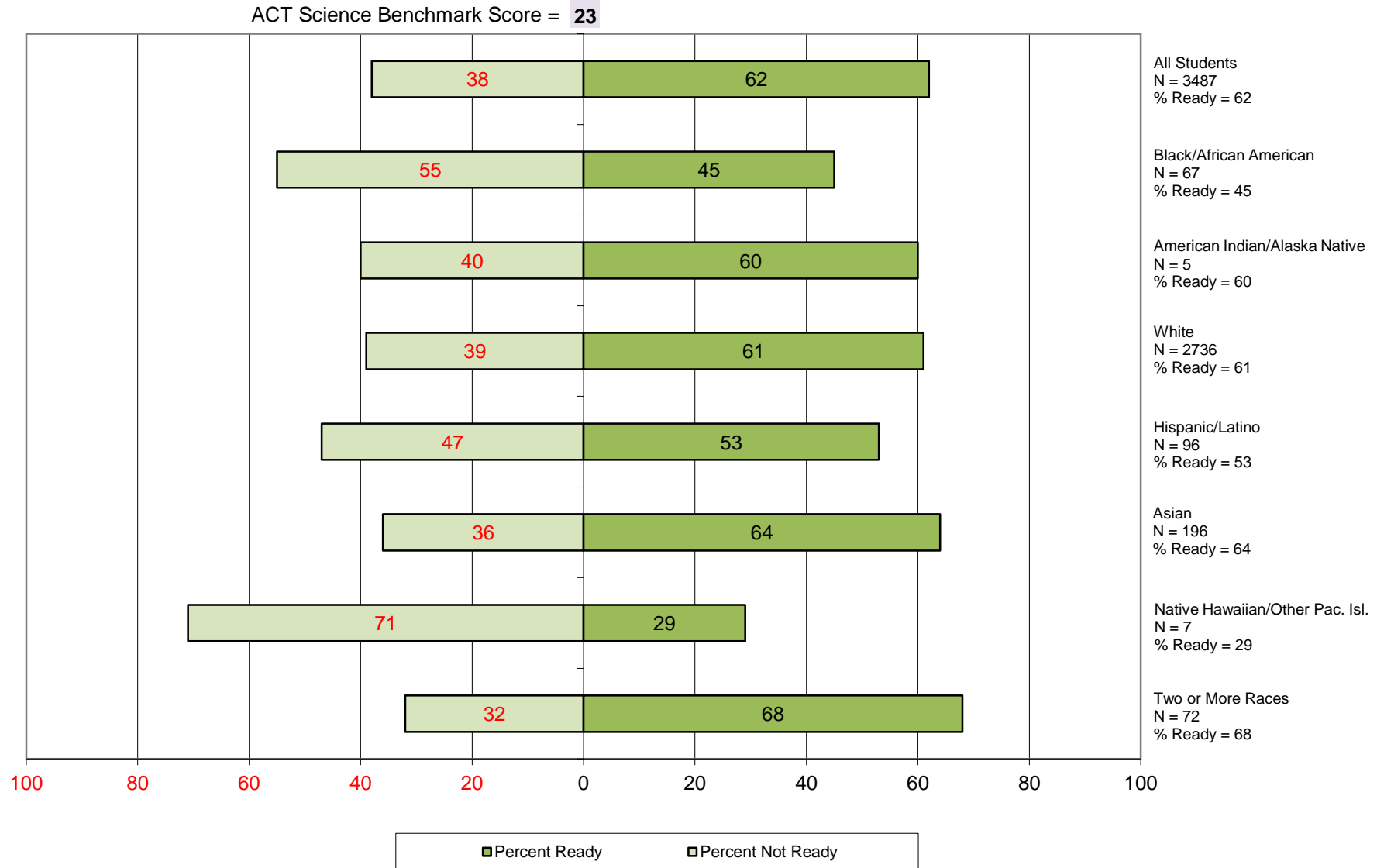
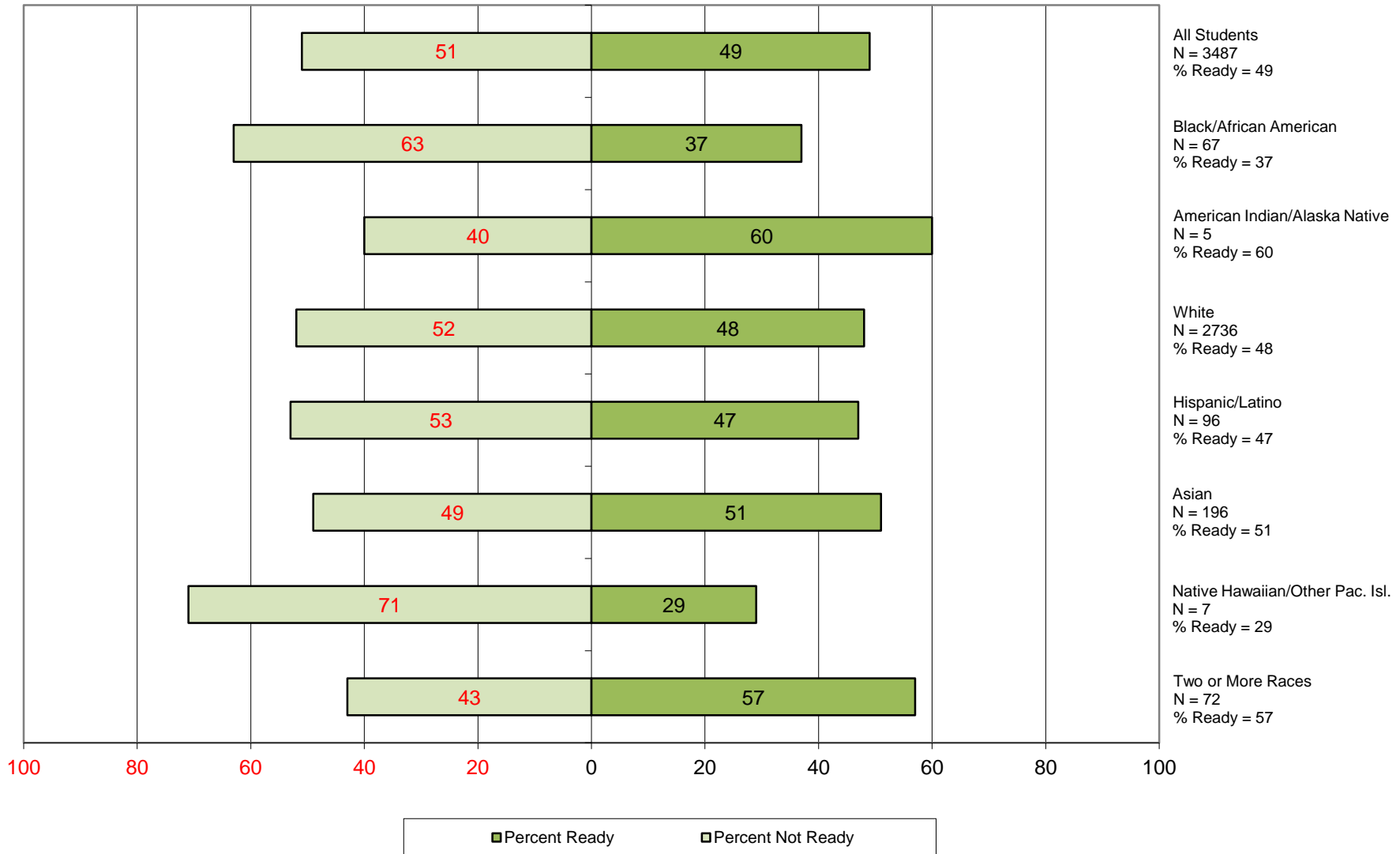


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 3,487

**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	1,001	29	24.8	3.7	410	26	24.1	2.3	591	31	25.3	4.9
Eng 9, Eng 10, Eng 11, Eng 12	2,286	66	24.1	3.0	1,030	66	23.8	2.0	1,256	65	24.3	3.9
Less than 4 years of English	82	2	21.1	-	38	2	21.8	-	44	2	20.4	-
Zero years / no English courses reported	118	3	21.0	-	80	5	20.7	-	38	2	21.8	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	285	8	26.3	7.2	129	8	26.5	6.6	156	8	26.1	7.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	309	9	22.4	3.3	105	7	23.0	3.1	204	11	22.1	3.8
Alg 1, Alg 2, Geom, & Trig	112	3	21.0	1.9	43	3	21.5	1.6	69	4	20.7	2.4
Alg 1, Alg 2, Geom, & Other Adv Math	518	15	21.2	2.1	161	10	22.2	2.3	357	19	20.8	2.5
Other comb of 4 or more years of Math	1,788	51	25.9	6.8	905	58	26.5	6.6	883	46	25.3	7.0
Alg 1, Alg 2, & Geom	163	5	18.3	-0.8	51	3	18.3	-1.6	112	6	18.3	0.0
Other comb of 3 or 3.5 years of Math	136	4	22.9	3.8	55	4	22.6	2.7	81	4	23.1	4.8
Less than 3 years of Math	57	2	19.1	-	29	2	19.9	-	28	1	18.3	-
Zero years / no Math courses reported	119	3	22.0	-	80	5	22.5	-	39	2	21.1	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	93	3	25.3	-0.5	54	3	25.3	-0.3	39	2	25.3	-0.8
Other comb of 4 or more years Social Science	1,886	54	24.6	-1.2	822	53	24.8	-0.8	1,064	55	24.5	-1.6
US Hist, World Hist, & Am Gov	38	1	24.0	-1.8	17	1	24.1	-1.5	21	1	24.0	-2.1
Other comb of 3 or 3.5 years of Social Science	939	27	24.6	-1.2	397	25	24.6	-1.0	542	28	24.7	-1.4
Less than 3 years of Social Science	406	12	25.8	-	186	12	25.6	-	220	11	26.1	-
Zero years / no Social Science courses reported	125	4	23.4	-	82	5	22.7	-	43	2	24.6	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	2,224	64	24.5	3.9	1,057	68	25.0	4.4	1,167	60	24.0	3.4
Bio, Chem, Phys	305	9	26.1	5.5	131	8	27.1	6.5	174	9	25.4	4.8
Gen Sci <sup>2</sup> , Bio, Chem	679	19	21.8	1.2	212	14	21.9	1.3	467	24	21.8	1.2
Other comb of 3 years of Natural Science	48	1	22.4	1.8	29	2	22.7	2.1	19	1	22.0	1.4
Less than 3 years of Natural Science	114	3	20.6	-	50	3	20.6	-	64	3	20.6	-
Zero years / no Natural Science courses reported	117	3	21.8	-	79	5	22.1	-	38	2	21.2	-

<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: 3,487

**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	1,001	29	24.8	89	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	2,286	66	24.1	86	1,359,318	71	20.6	65
Less than 4 years of English	82	2	21.1	70	93,944	5	15.9	36
Zero years / no English courses reported	118	3	21.0	72	98,029	5	16.5	40
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	285	8	26.3	87	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	309	9	22.4	58	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	112	3	21.0	43	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	518	15	21.2	49	362,476	19	19.4	30
Other comb of 4 or more years of Math	1,788	51	25.9	81	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	163	5	18.3	20	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	136	4	22.9	60	95,502	5	19.8	34
Less than 3 years of Math	57	2	19.1	28	78,951	4	16.3	8
Zero years / no Math courses reported	119	3	22.0	50	102,364	5	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	93	3	25.3	73	48,944	3	22.3	51
Other comb of 4 or more years Social Science	1,886	54	24.6	68	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	38	1	24.0	63	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	939	27	24.6	68	527,956	27	21.4	46
Less than 3 years of Social Science	406	12	25.8	70	194,720	10	19.5	34
Zero years / no Social Science courses reported	125	4	23.4	57	102,027	5	18.1	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	2,224	64	24.5	67	807,744	42	22.2	48
Bio, Chem, Phys	305	9	26.1	78	217,893	11	23.2	55
Gen Sci <sup>1</sup> , Bio, Chem	679	19	21.8	45	512,754	27	20.1	30
Other comb of 3 years of Natural Science	48	1	22.4	46	54,439	3	19.1	24
Less than 3 years of Natural Science	114	3	20.6	37	227,926	12	18.1	18
Zero years / no Natural Science courses reported	117	3	21.8	45	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: 3,487

**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	30	1	22.1	2	6	20.0	25	1	22.4
Architecture	35	1	23.9	0	0	.	26	1	23.3
Area, Ethnic, & Multidisciplinary Studies	6	0	26.2	0	0	.	5	0	25.0
Arts: Visual & Performing	141	4	22.3	2	6	22.0	120	4	22.5
Business	410	12	23.0	4	11	20.5	342	12	22.8
Communications	79	2	22.5	1	3	18.0	66	2	22.2
Community, Family, & Personal Services	36	1	21.6	1	3	26.0	32	1	21.3
Computer Science & Mathematics	110	3	26.2	3	9	16.0	92	3	26.2
Education	130	4	21.6	2	6	20.0	119	4	21.6
Engineering	404	12	26.7	0	0	.	354	13	26.7
Engineering Technology & Drafting	22	1	22.6	0	0	.	21	1	22.5
English & Foreign Languages	62	2	26.8	1	3	20.0	50	2	26.7
Health Administration & Assisting	30	1	20.4	1	3	24.0	27	1	20.3
Health Sciences & Technologies	533	15	23.4	7	20	16.1	477	17	23.4
Philosophy, Religion, & Theology	9	0	23.7	0	0	.	6	0	23.0
Repair, Production, & Construction	6	0	19.7	2	6	20.5	3	0	19.7
Sciences: Biological & Physical	394	11	25.9	1	3	25.0	356	13	25.9
Social Sciences & Law	266	8	25.4	1	3	14.0	227	8	25.2
Undecided	670	19	24.6	6	17	19.5	457	16	24.3
No Response	114	3	22.3	1	3	15.0	9	0	24.6

<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: 3,487

**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	9	21.1	0	.	0	.	6	21.0	0	.
2-yr College Degree	26	18.3	0	.	0	.	25	18.3	1	20.0
Bachelors Degree	1,172	22.4	14	17.6	2	25.0	985	22.3	30	21.8
Graduate Study	925	25.3	13	21.6	3	23.7	773	25.2	17	23.2
Prof. Level Degree	717	26.1	20	24.7	0	.	542	26.1	29	24.4
Other	36	24.8	1	24.0	0	.	27	24.3	2	25.0
No Response	602	24.8	19	24.4	0	.	378	24.7	17	24.2

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	9	21.1	3	21.3	0	.	0	.	0	.
2-yr College Degree	26	18.3	0	.	0	.	0	.	0	.
Bachelors Degree	1,172	22.4	52	23.7	4	18.5	18	23.4	67	23.5
Graduate Study	925	25.3	40	25.1	2	29.5	17	26.4	60	26.8
Prof. Level Degree	717	26.1	46	25.2	0	.	24	27.7	56	28.0
Other	36	24.8	3	27.7	0	.	0	.	3	26.0
No Response	602	24.8	52	25.9	1	20.0	13	24.4	122	24.9

Total Students in Report: 3,487

**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 NEW HAMPSHIRE	New Hampshire	348	123	225	0	3	16	31	30	19	1
NORTHEASTERN UNIVERSITY	Massachusetts	94	31	63	0	0	2	6	43	41	7
KEENE STATE COLLEGE	New Hampshire	93	26	67	2	11	31	35	16	4	0
UNIVERSITY OF VERMONT	Vermont	83	17	66	0	0	10	23	39	27	2
UNIVERSITY OF CONNECTICUT	Connecticut	73	19	54	0	1	14	18	45	21	1
PLYMOUTH STATE UNIVERSITY	New Hampshire	69	12	57	1	13	29	35	16	6	0
BOSTON UNIVERSITY	Massachusetts	67	11	56	0	1	3	13	40	36	6
NCAA ELIGIBILITY CENTER	Indiana	65	58	7	0	9	23	29	23	12	3
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	61	13	48	0	0	13	28	39	18	2
WORCESTER POLYTECHNIC INST	Massachusetts	55	13	42	0	0	2	9	27	51	11
UNIVERSITY OF NEW ENGLAND	Maine	54	13	41	2	0	19	41	22	17	0
QUINNIPIAC UNIVERSITY	Connecticut	52	12	40	0	0	8	38	38	13	2
UNIVERSITY OF RHODE ISLAND	Rhode Island	51	9	42	0	2	16	29	39	14	0
BOSTON COLLEGE	Massachusetts	46	17	29	0	0	0	17	48	28	7
ENDICOTT COLLEGE	Massachusetts	45	15	30	0	0	29	40	22	9	0
UNIV OF MASSACHUSETTS LOWELL	Massachusetts	42	12	30	0	7	26	24	29	14	0
SOUTHERN NEW HAMPSHIRE UNIVERSITY	New Hampshire	41	1	40	2	5	20	39	27	7	0
UNIVERSITY OF MAINE THE	Maine	41	9	32	0	2	20	37	32	10	0
TUFTS UNIVERSITY	Massachusetts	38	14	24	0	0	3	8	18	55	16
DARTMOUTH COLLEGE	New Hampshire	37	12	25	0	0	0	3	32	43	22
RENSSELAER POLYTECHNIC INSTITUTE	New York	35	6	29	0	0	0	9	20	49	23
SAINT ANSELM COLLEGE	New Hampshire	35	7	28	0	3	14	34	31	14	3
SYRACUSE UNIVERSITY	New York	32	8	24	0	0	3	38	31	28	0
BENTLEY UNIVERSITY	Massachusetts	31	14	17	0	0	3	23	39	32	3
BROWN UNIVERSITY	Rhode Island	30	14	16	0	0	0	0	37	47	17
ROCHESTER INST OF TECHNOLOGY	New York	30	10	20	0	0	7	13	30	40	10
WENTWORTH INSTITUTE OF TECHNOLOGY	Massachusetts	25	7	18	0	4	4	28	28	24	12
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Massachusetts	23	10	13	0	0	4	0	17	35	43
NEW YORK UNIVERSITY	New York	22	6	16	0	0	0	14	59	18	9
CLEMSON UNIVERSITY	South Carolina	20	5	15	0	0	10	30	35	25	0
All Other Institutions		2,071	595	1,476	0	2	13	25	33	21	4
<b>Total</b>		<b>3,809</b>	<b>1,119</b>	<b>2,690</b>	<b>0</b>	<b>3</b>	<b>13</b>	<b>25</b>	<b>32</b>	<b>22</b>	<b>4</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: 3,487

**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>2,920</b>	<b>1,108,908</b>	<b>24.6</b>	<b>21.0</b>	<b>7.9</b>	<b>6.9</b>	<b>23.8</b>	<b>20.2</b>
Black/African American	56	136,380	23.5	16.3	7.8	6.0	22.9	15.9
American Indian/Alaska Native	4	7,142	21.5	16.5	7.3	5.9	21.0	16.0
White	2,263	567,060	24.6	22.8	7.9	7.1	23.8	21.8
Hispanic/Latino	82	196,970	23.9	18.4	7.9	6.7	23.2	18.1
Asian	185	68,736	23.9	23.9	7.9	7.6	23.3	23.0
Native Hawaiian/Other Pac. Isl.	5	4,070	22.0	18.0	6.4	6.5	20.6	17.6
Two or more races	62	45,517	26.1	21.3	7.7	6.9	24.7	20.4
Prefer not/No Response	263	83,033	25.7	20.8	8.1	6.7	24.8	19.9
Males	1,265	507,737	24.2	20.7	7.7	6.6	23.3	19.7
Females	1,655	590,537	24.9	21.4	8.1	7.1	24.2	20.8
Missing	0	10,634	.	16.0	.	5.6	.	15.4





