

# ACT Profile Report - State

Graduating Class 2013  
Wyoming



ACT, INC. -- CONFIDENTIAL



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## Table of Contents

<p><b>Section I: Executive Summary</b></p> <ul style="list-style-type: none"> <li>Percent of Your Students Ready for College-Level Coursework</li> <li>Five Year Trends—Percent of Students Who Met College Readiness Benchmarks</li> <li>Five Year Trends—Average ACT Scores</li> <li>Five Year Trends—Average ACT Scores by Level of Preparation</li> <li>Five Year Trends—Percent and Average Composite Score by Race/Ethnicity</li> <li>Percent of Students in College Readiness Standards Score Ranges</li> <li>Average ACT College Reportable Scores by Test Session Duration</li> <li>Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration</li> </ul>	<p><b>Page 5</b></p>
<p><b>Section II: Academic Achievement</b></p> <ul style="list-style-type: none"> <li>ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values</li> <li>Average ACT Composite Scores for Race/Ethnicity by Level of Preparation</li> <li>Average ACT Scores by Race/Ethnicity</li> <li>Percent of Students in College Readiness Standards Score Ranges</li> <li>Average ACT Scores by Gender</li> <li>Percent of Students Who Met College Readiness Benchmark Scores by Gender</li> <li>College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum</li> <li>College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum</li> </ul>	<p><b>Page 11</b></p>
<p><b>Section III: College Readiness &amp; Impact of Course Rigor</b></p> <ul style="list-style-type: none"> <li>Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity</li> <li>Average ACT Scores and Average ACT Score Changes by Common Course Patterns</li> <li>College Readiness Percents by Common Course Patterns</li> </ul>	<p><b>Page 17</b></p>
<p><b>Section IV: Career and Educational Aspirations</b></p> <ul style="list-style-type: none"> <li>Distribution of Planned Educational Majors for All Students by College Plans</li> <li>Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations</li> <li>Students' Score Report Preferences at Time of Testing</li> </ul>	<p><b>Page 25</b></p>
<p><b>Section V: Optional Writing Test Results</b></p> <ul style="list-style-type: none"> <li>Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing</li> </ul>	<p><b>Page 29</b></p>

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

This report focuses on:

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

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

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

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

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

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

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

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

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

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

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

**The ACT:**

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

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at [www.act.org/standard/infoserv.html](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 for 2013, are:

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

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

## How to Improve Scores and Increase College Readiness

20% 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:** 5,896 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY:** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 54% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES:** Table 3.2 reports 13% of the cohort took less than three years of math courses. Of these students, 3% were college ready. 20% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 8% of these students were college ready. In comparison, 49% 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 24% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 37% 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 57% 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).

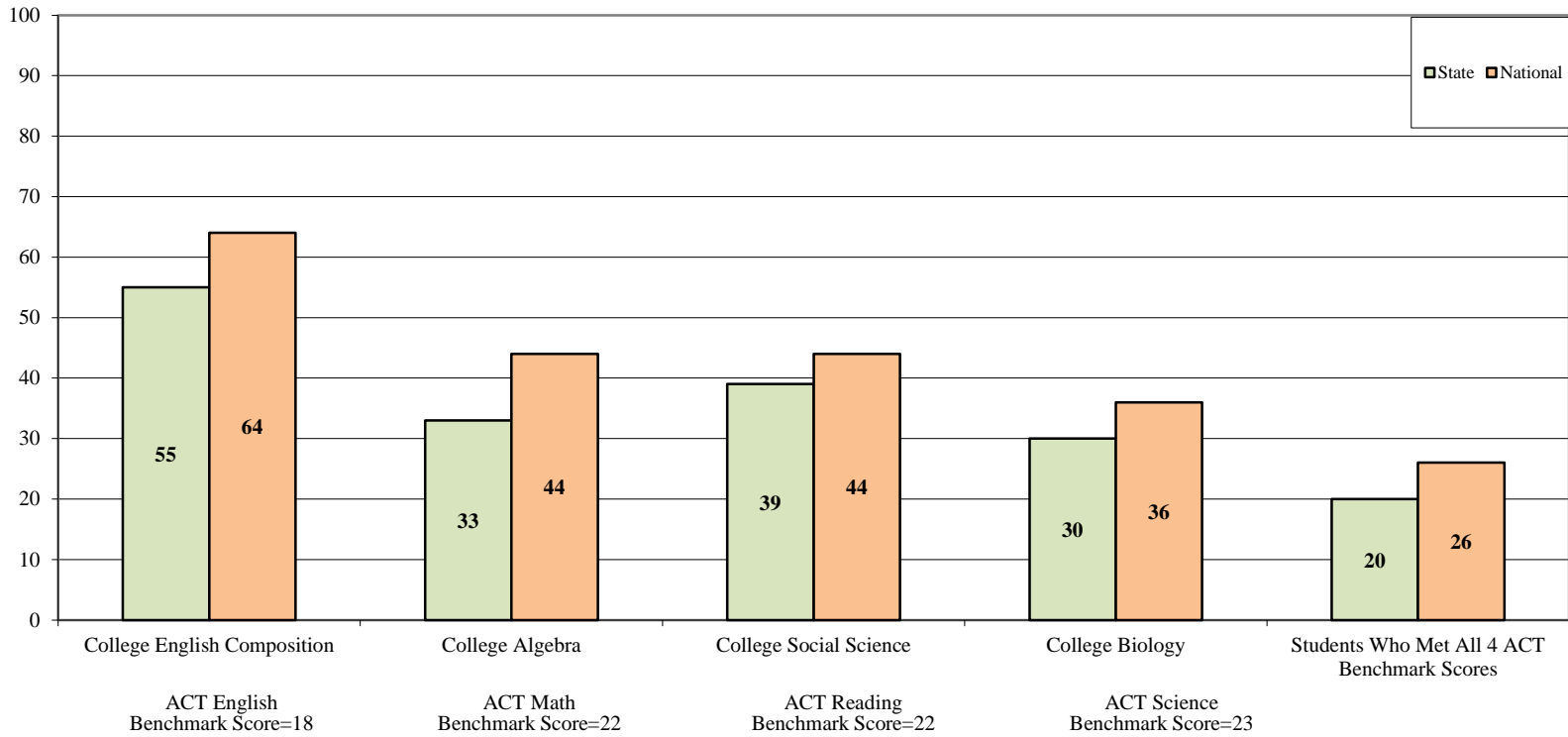
# Section I

## Executive Summary

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

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

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



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



Total Students in Report: 5,896

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2009	5,530	1,480,469	57	67	33	42	45	53	22	28	17	23
2010	5,533	1,568,835	58	66	34	43	45	52	23	29	17	24
2011	5,533	1,623,112	61	66	36	45	49	52	24	30	18	25
2012	5,527	1,666,017	60	67	38	46	46	52	28	31	20	25
<b>2013</b>	<b>5,896</b>	<b>1,799,243</b>	<b>55</b>	<b>64</b>	<b>33</b>	<b>44</b>	<b>39</b>	<b>44</b>	<b>30</b>	<b>36</b>	<b>20</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
2009	5,530	1,480,469	18.9	20.6	19.8	21.0	20.4	21.4	20.2	20.9	20.0	21.1
2010	5,533	1,568,835	19.0	20.5	19.8	21.0	20.4	21.3	20.1	20.9	20.0	21.0
2011	5,533	1,623,112	19.4	20.6	20.0	21.1	20.8	21.3	20.4	20.9	20.3	21.1
2012	5,527	1,666,017	19.2	20.5	20.2	21.1	20.5	21.3	20.6	20.9	20.3	21.1
<b>2013</b>	<b>5,896</b>	<b>1,799,243</b>	<b>18.6</b>	<b>20.2</b>	<b>19.7</b>	<b>20.9</b>	<b>20.2</b>	<b>21.1</b>	<b>20.0</b>	<b>20.7</b>	<b>19.8</b>	<b>20.9</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
2010	1,568,835	20.5	21.0	21.3	20.9	21.0
2011	1,623,112	20.6	21.1	21.3	20.9	21.1
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
<b>2013</b>	<b>1,799,243</b>	<b>20.2</b>	<b>20.9</b>	<b>21.1</b>	<b>20.7</b>	<b>20.9</b>

Total Students in Report: 5,896

**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
2009	2,990	2,309	54	42	20.6	16.9	21.2	18.3	21.9	18.7	21.4	18.8	21.4	18.3
2010	3,026	2,304	55	42	20.8	16.9	21.3	18.1	22.0	18.6	21.6	18.5	21.5	18.2
2011	3,140	2,195	57	40	21.1	17.1	21.5	18.1	22.3	18.9	21.8	18.6	21.8	18.3
2012	3,169	2,087	57	38	20.8	17.3	21.6	18.6	21.8	19.0	21.7	19.2	21.6	18.6
<b>2013</b>	<b>3,198</b>	<b>2,378</b>	<b>54</b>	<b>40</b>	<b>20.6</b>	<b>16.5</b>	<b>21.3</b>	<b>17.9</b>	<b>21.9</b>	<b>18.3</b>	<b>21.6</b>	<b>18.2</b>	<b>21.5</b>	<b>17.9</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.

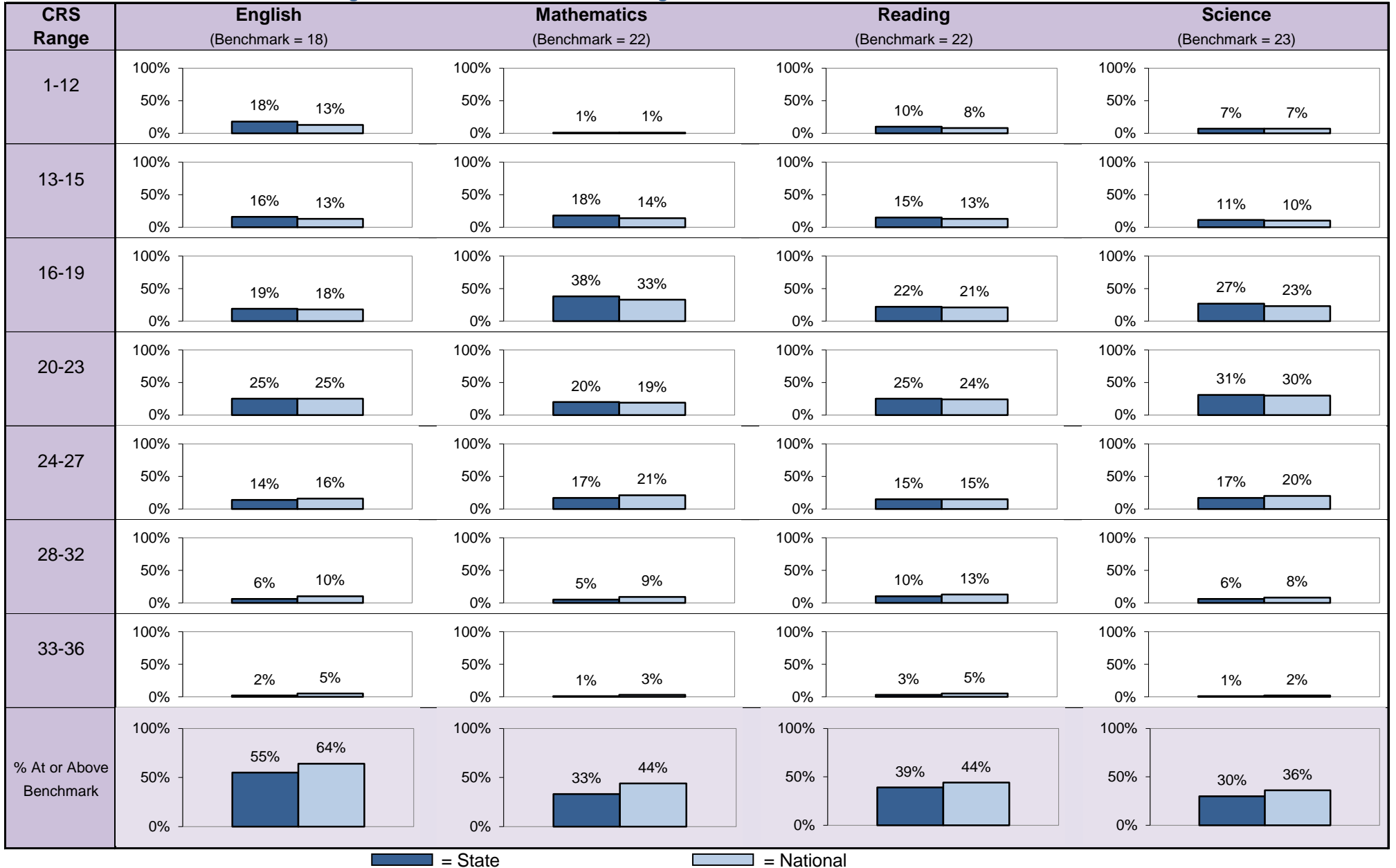
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>5,530</b>	<b>100</b>	<b>20.0</b>	<b>5,533</b>	<b>100</b>	<b>20.0</b>	<b>5,533</b>	<b>100</b>	<b>20.3</b>	<b>5,527</b>	<b>100</b>	<b>20.3</b>	<b>5,896</b>	<b>100</b>	<b>19.8</b>
Black/African American	43	1	17.0	43	1	16.8	47	1	17.3	39	1	17.7	51	1	16.6
American Indian/Alaska Native	176	3	16.4	135	2	17.0	118	2	16.9	99	2	17.2	114	2	16.4
White	4,085	74	20.5	4,381	79	20.4	4,227	76	20.7	4,269	77	20.8	4,397	75	20.3
Hispanic/Latino	364	7	17.9	384	7	18.0	463	8	18.5	596	11	17.8	636	11	18.0
Asian	59	1	20.0	52	1	21.1	47	1	21.4	34	1	22.0	42	1	22.7
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	6	0	19.7	15	0	17.7	15	0	17.3
Two or more races	131	2	20.0	153	3	19.1	146	3	20.4	168	3	19.9	170	3	20.0
Prefer not to respond/No response	672	12	18.8	385	7	18.9	479	9	19.2	307	6	19.7	471	8	18.3

Total Students in Report: 5,896

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



**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	5,614	95	18.9	19.9	20.4	20.2	20.0
	Extended Time	282	5	13.2	15.6	15.4	16.2	15.2
	Total	5,896	100	18.6	19.7	20.2	20.0	19.8
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

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

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	57	35	41	31	20
	Extended Time	21	3	13	6	2
	Total	55	33	39	30	20
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	26

# Section II

## Academic Achievement

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

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

Total Students in Report: 5,896

**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	9	100	2	100	33	100	5	100	0	100	36
35	30	100	15	100	16	99	27	100	6	100	35
34	20	99	29	100	51	99	16	99	18	100	34
33	45	99	23	99	80	98	15	99	25	100	33
32	45	98	27	99	122	97	43	99	43	99	32
31	62	97	38	98	126	95	48	98	55	98	31
30	69	96	53	98	133	93	72	97	70	98	30
29	69	95	71	97	78	90	93	96	106	96	29
28	116	94	118	96	141	89	90	95	92	95	28
27	127	92	171	94	153	87	130	93	153	93	27
26	172	90	234	91	177	84	195	91	214	90	26
25	214	87	278	87	186	81	233	88	279	87	25
24	285	83	307	82	343	78	418	84	268	82	24
23	239	79	325	77	290	72	398	77	316	77	23
22	379	75	284	71	385	67	344	70	386	72	22
21	398	68	288	67	353	61	580	64	452	66	21
20	471	61	291	62	437	55	510	54	424	58	20
19	250	53	387	57	324	47	484	45	412	51	19
18	259	49	389	50	302	42	392	37	426	44	18
17	260	45	650	44	382	37	282	31	457	36	17
16	376	40	807	32	297	30	445	26	429	29	16
15	411	34	645	19	389	25	264	18	381	21	15
14	268	27	310	8	228	19	220	14	321	15	14
13	260	22	105	3	284	15	177	10	283	10	13
12	244	18	39	1	268	10	132	7	179	5	12
11	302	14	4	1	115	5	181	5	77	2	11
10	225	9	3	1	110	3	51	2	19	1	10
9	116	5	3	1	46	2	28	1	2	1	9
8	113	3	0	1	22	1	12	1	1	1	8
7	41	1	0	1	10	1	6	1	0	1	7
6	13	1	0	1	10	1	3	1	1	1	6
5	6	1	0	1	2	1	1	1	1	1	5
4	1	1	0	1	1	1	0	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	1	1	0	1	2	1	0	1	0	1	1
Avg (SD)	18.6 (6.1)		19.7 (4.7)		20.2 (6.1)		20.0 (5.0)		19.8 (4.9)		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: 5,896

**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	67	100	50	100	109	100	109	100	106	100	12	100	28	100	18
17	137	99	33	99	238	98	175	98	129	98	33	100	14	100	17
16	137	97	180	99	244	94	294	95	146	96	77	99	92	99	16
15	181	94	249	96	250	90	361	90	211	94	179	98	273	98	15
14	184	91	362	91	362	86	185	84	297	90	263	95	375	93	14
13	323	88	403	85	387	80	411	81	505	85	459	90	460	87	13
12	305	83	546	78	685	73	417	74	416	76	490	83	627	79	12
11	514	77	702	69	563	61	688	67	417	69	838	74	748	68	11
10	648	69	534	57	521	52	543	55	702	62	810	60	697	56	10
9	600	58	793	48	545	43	459	46	396	50	726	46	1,132	44	9
8	495	47	551	35	773	34	509	38	736	44	1,136	34	607	25	8
7	653	39	510	25	391	21	401	30	936	31	208	15	452	14	7
6	482	28	270	17	319	14	603	23	488	15	331	11	47	7	6
5	572	20	350	12	337	9	314	13	304	7	69	6	197	6	5
4	296	10	228	6	94	3	315	7	73	2	166	4	26	2	4
3	212	5	115	2	50	1	67	2	26	1	81	2	86	2	3
2	81	2	16	1	19	1	41	1	6	1	0	1	18	1	2
1	9	1	4	1	9	1	4	1	2	1	18	1	17	1	1
Avg (SD)	8.9 (3.7)		9.8 (3.3)		10.4 (3.5)		10.0 (3.8)		9.8 (3.4)		9.8 (2.8)		10.2 (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)	23	23	24	23	23
Q2 (50th Percentile)	19	18	20	20	19
Q1 (25th Percentile)	14	16	15	16	16

Total Students in Report: 5,896

**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>5,896</b>	<b>54</b>	<b>21.5</b>	<b>17.9</b>
	Black/African American	51	39	17.7	15.9
	American Indian/Alaska Native	114	46	17.0	16.2
	White	4,397	56	21.9	18.3
	Hispanic/Latino	636	51	19.2	16.9
	Asian	42	60	24.5	20.3
	Native Hawaiian/Other Pac. Isl.	15	53	18.1	16.7
	Two or more races	170	56	22.1	17.5
	Prefer not/No Response	471	40	20.3	16.9
National	<b>All Students</b>	<b>1,799,243</b>	<b>74</b>	<b>21.7</b>	<b>18.7</b>
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	18.4

<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>	18.6	19.7	20.2	20.0	19.8
	Black/African American	15.7	16.4	17.0	17.0	16.6
	American Indian/Alaska Native	14.5	16.9	17.0	16.7	16.4
	White	19.2	20.2	20.7	20.5	20.3
	Hispanic/Latino	16.7	18.2	18.3	18.3	18.0
	Asian	21.5	23.9	22.2	22.9	22.7
	Native Hawaiian/Other Pac. Isl.	16.1	17.0	17.4	17.4	17.3
	Two or more races	19.0	19.5	20.8	20.4	20.0
	Prefer not/No Response	16.9	18.4	18.9	18.6	18.3
National	<b>All Students</b>	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7



Total Students in Report: 5,896

**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	104	2	69	1	180	3	63	1
	28 to 32	361	6	307	5	600	10	346	6
	24 to 27	798	14	990	17	859	15	976	17
	20 to 23	1,487	25	1,188	20	1,465	25	1,832	31
	16 to 19	1,145	19	2,233	38	1,305	22	1,603	27
	13 to 15	939	16	1,060	18	901	15	661	11
	01 to 12	1,062	18	49	1	586	10	415	7
National	33 to 36	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	2,844	48	18.2	20.1	19.7	20.2	19.7
	Females	2,898	49	19.2	19.4	20.7	19.9	20.0
	Missing	154	3	15.6	17.8	17.6	17.8	17.3
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	52	36	36	32	21
	Females	59	32	43	29	19
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

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

Student Group	Curriculum Taken <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>	3,198	69	20.6	48	21.3	49	21.9	42	21.6	28	21.5
	Less than Core	2,378	40	16.5	17	17.9	28	18.3	17	18.2	10	17.9
	Missing <sup>3</sup>	320	30	15.0	11	16.9	21	17.0	13	17.1	5	16.6
National	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing	79,912	36	16.0	19	17.8	24	17.5	17	17.7	10	17.4

<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>	5,066	59	19.2	4,881	39	20.5	4,528	43	20.7	4,203	37	21.0
	Less than Core	606	33	15.3	748	3	15.9	1,112	29	18.4	1,438	14	17.6
	Missing <sup>3</sup>	224	32	15.5	267	11	16.9	256	23	17.5	255	15	17.5
National	Core or More	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	17.8

<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

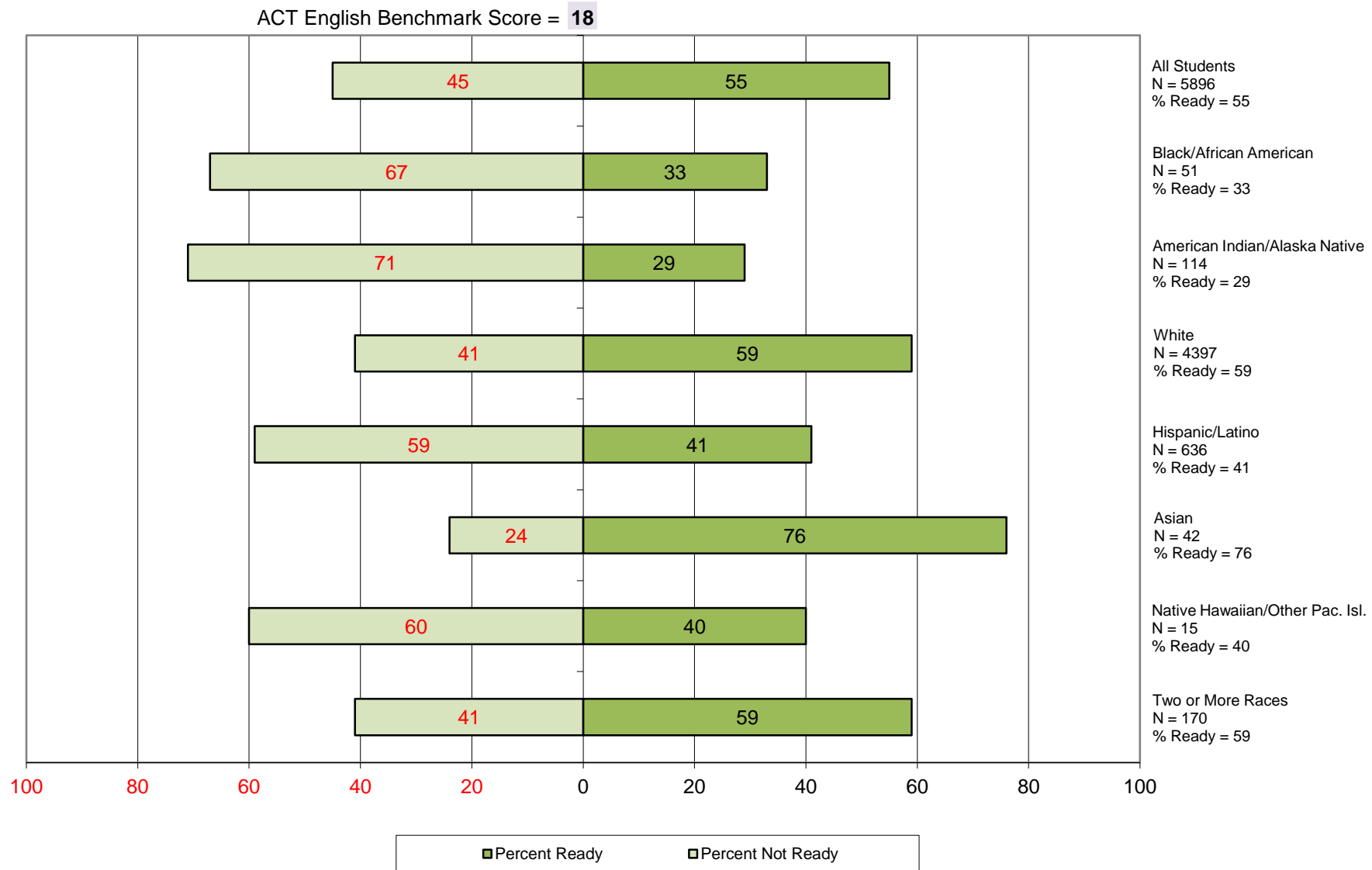


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

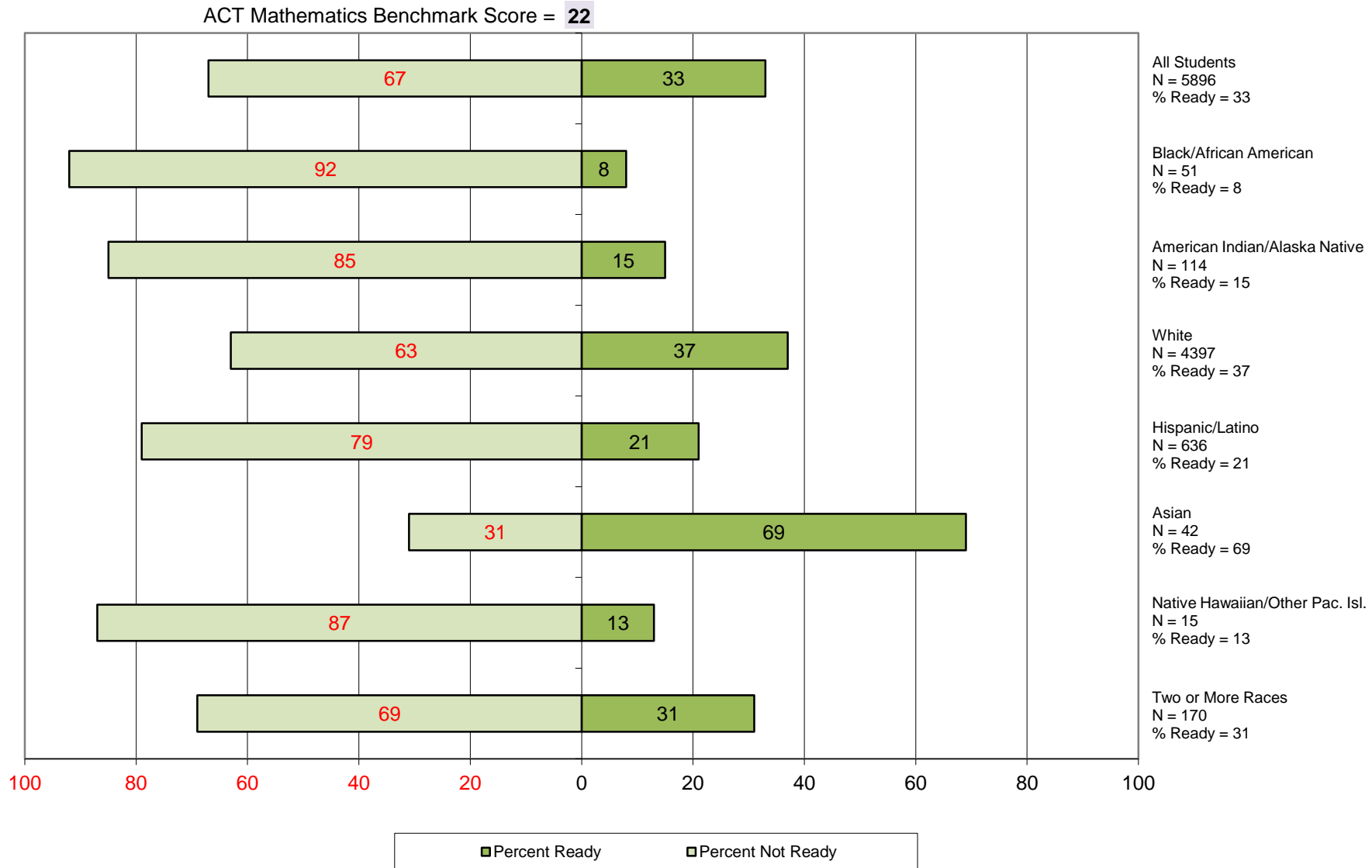


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

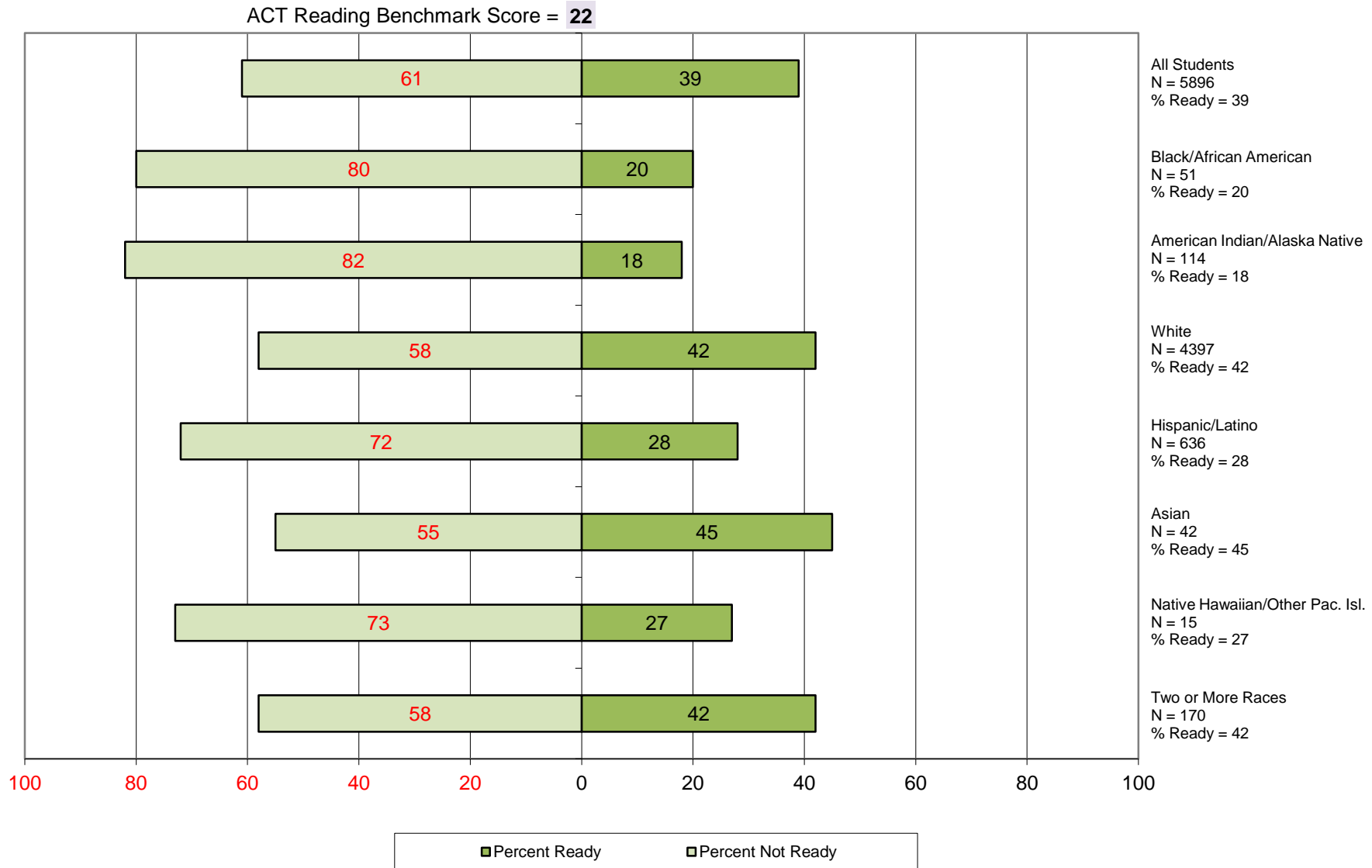


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

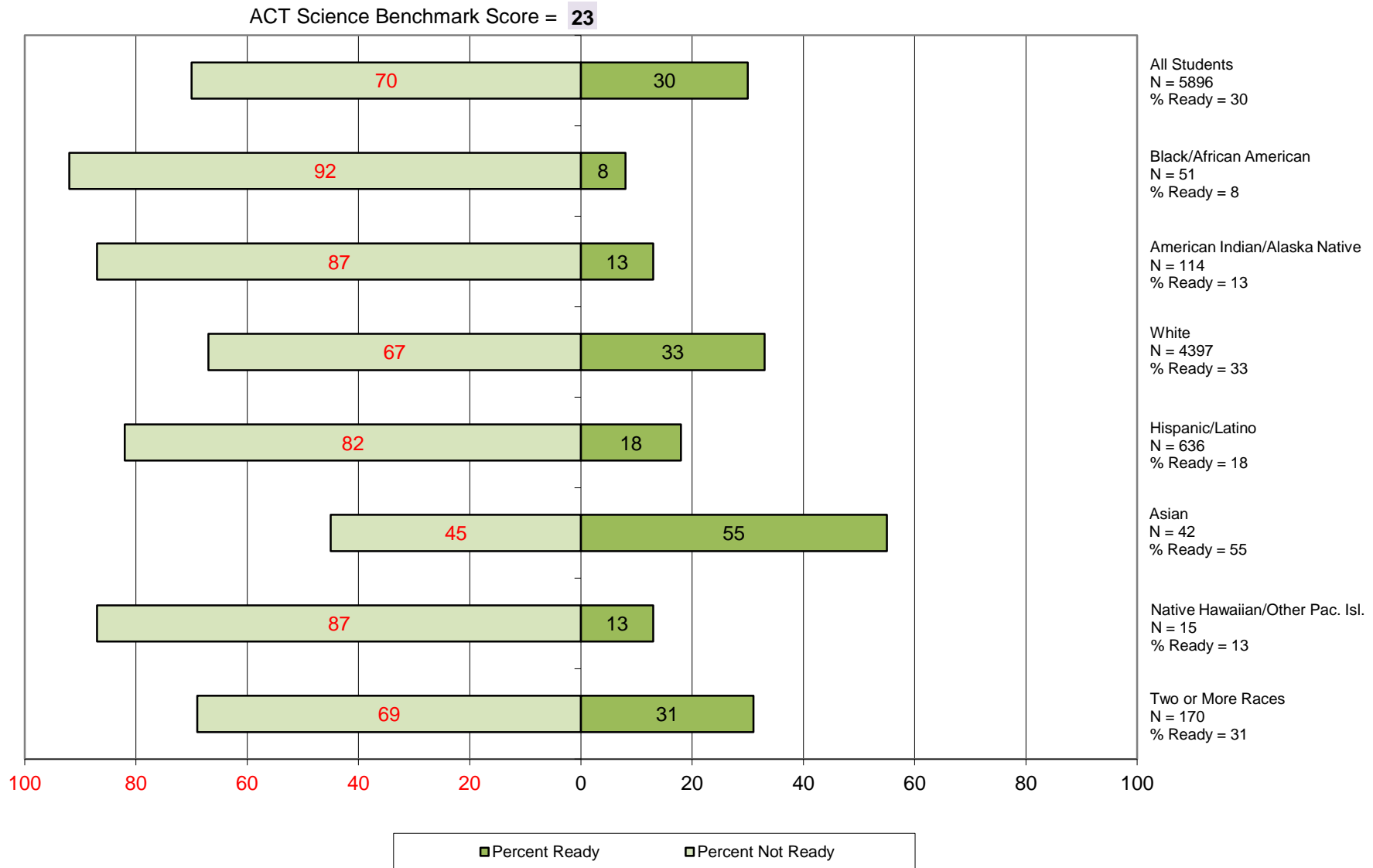
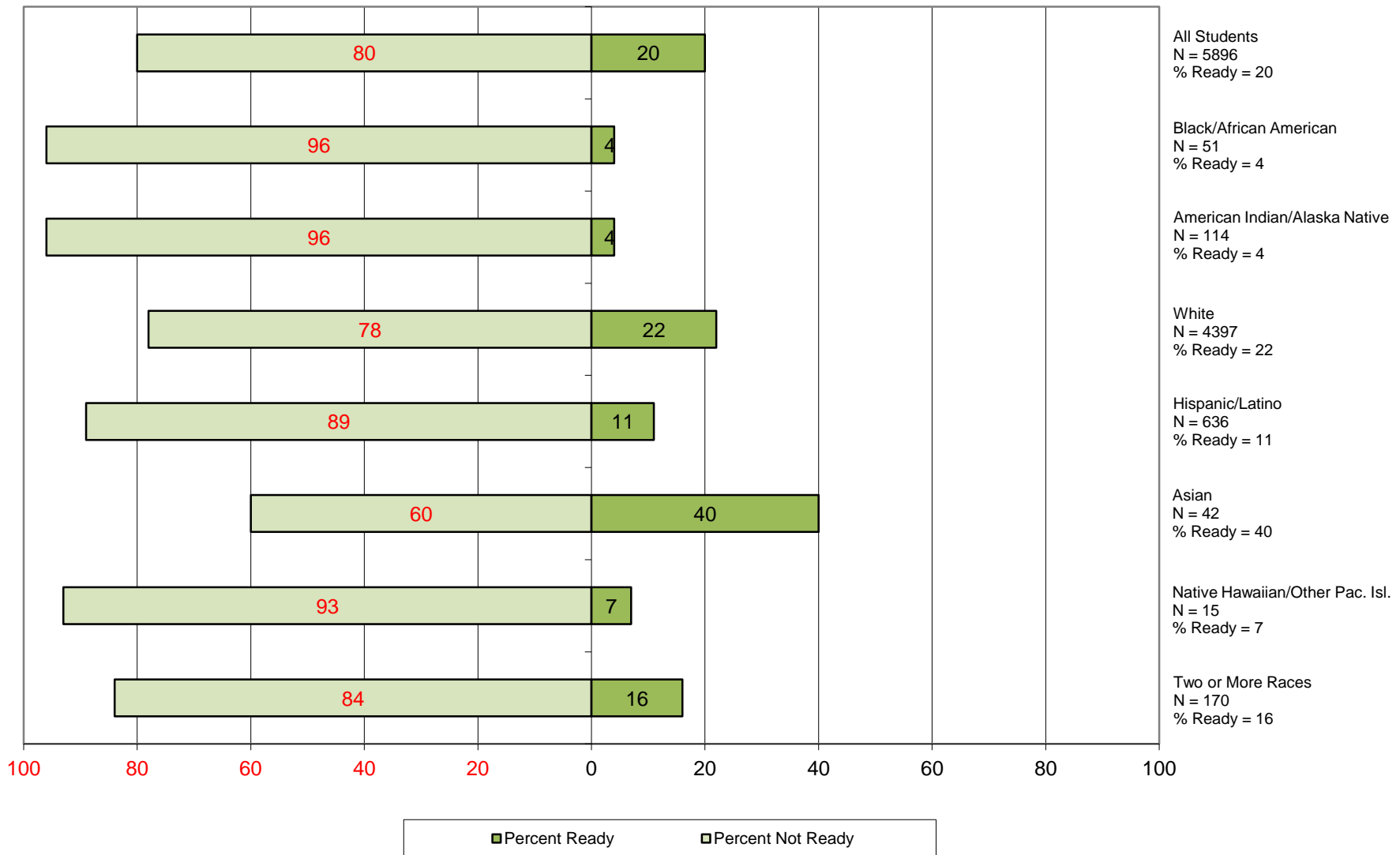


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 5,896

**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	1,010	17	20.9	5.6	401	14	20.3	4.9	596	21	21.3	6.0
Eng 9, Eng 10, Eng 11, Eng 12	4,056	69	18.8	3.5	1,998	70	18.4	3.0	1,957	68	19.3	4.0
Less than 4 years of English	606	10	15.3	-	332	12	15.4	-	250	9	15.3	-
Zero years / no English courses reported	224	4	15.5	-	113	4	15.2	-	95	3	15.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	298	5	23.3	7.4	138	5	24.0	8.0	155	5	22.8	7.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	470	8	22.2	6.3	191	7	22.8	6.8	277	10	21.7	6.0
Alg 1, Alg 2, Geom, & Trig	565	10	19.8	3.9	279	10	20.2	4.2	268	9	19.4	3.7
Alg 1, Alg 2, Geom, & Other Adv Math	897	15	19.6	3.7	392	14	19.8	3.8	492	17	19.5	3.8
Other comb of 4 or more years of Math	1,267	21	23.3	7.4	627	22	24.1	8.1	627	22	22.6	6.9
Alg 1, Alg 2, & Geom	1,182	20	17.2	1.3	585	21	17.6	1.6	544	19	16.7	1.0
Other comb of 3 or 3.5 years of Math	202	3	19.3	3.4	95	3	20.3	4.3	100	3	18.5	2.8
Less than 3 years of Math	748	13	15.9	-	403	14	16.0	-	320	11	15.7	-
Zero years / no Math courses reported	267	5	16.9	-	134	5	17.1	-	115	4	16.4	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	259	4	20.6	2.2	128	5	20.2	2.4	128	4	21.1	1.7
Other comb of 4 or more years Social Science	1,877	32	21.2	2.8	858	30	21.1	3.3	983	34	21.4	2.0
US Hist, World Hist, & Am Gov	705	12	19.9	1.5	387	14	19.7	1.9	293	10	20.3	0.9
Other comb of 3 or 3.5 years of Social Science	1,687	29	20.6	2.2	735	26	20.1	2.3	908	31	21.1	1.7
Less than 3 years of Social Science	1,112	19	18.4	-	606	21	17.8	-	475	16	19.4	-
Zero years / no Social Science courses reported	256	4	17.5	-	130	5	17.0	-	111	4	17.9	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	1,703	29	22.0	4.4	866	30	22.5	4.8	811	28	21.5	3.9
Bio, Chem, Phys	144	2	23.3	5.7	73	3	23.8	6.1	68	2	23.0	5.4
Gen Sci <sup>2</sup> , Bio, Chem	1,981	34	20.2	2.6	833	29	20.3	2.6	1,104	38	20.3	2.7
Other comb of 3 years of Natural Science	375	6	19.5	1.9	219	8	19.4	1.7	144	5	19.7	2.1
Less than 3 years of Natural Science	1,438	24	17.6	-	721	25	17.7	-	665	23	17.6	-
Zero years / no Natural Science courses reported	255	4	17.5	-	132	5	17.8	-	106	4	17.0	-

<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: 5,896

**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	1,010	17	20.9	72	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	4,056	69	18.8	56	1,265,911	70	20.3	65
Less than 4 years of English	606	10	15.3	33	84,048	5	15.9	36
Zero years / no English courses reported	224	4	15.5	32	68,909	4	16.4	38
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	298	5	23.3	63	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	470	8	22.2	59	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	565	10	19.8	33	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	897	15	19.6	33	336,291	19	19.6	32
Other comb of 4 or more years of Math	1,267	21	23.3	64	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	1,182	20	17.2	8	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	202	3	19.3	30	88,866	5	19.7	34
Less than 3 years of Math	748	13	15.9	3	77,906	4	16.3	7
Zero years / no Math courses reported	267	5	16.9	11	72,640	4	17.9	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	259	4	20.6	40	50,989	3	22.2	51
Other comb of 4 or more years Social Science	1,877	32	21.2	46	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	705	12	19.9	38	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	1,687	29	20.6	41	489,586	27	21.0	43
Less than 3 years of Social Science	1,112	19	18.4	29	171,617	10	19.1	32
Zero years / no Social Science courses reported	256	4	17.5	23	72,636	4	17.7	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	1,703	29	22.0	45	767,293	43	21.9	46
Bio, Chem, Phys	144	2	23.3	54	183,685	10	23.0	54
Gen Sci <sup>1</sup> , Bio, Chem	1,981	34	20.2	30	504,165	28	19.9	28
Other comb of 3 years of Natural Science	375	6	19.5	27	51,822	3	19.1	25
Less than 3 years of Natural Science	1,438	24	17.6	14	218,267	12	18.0	17
Zero years / no Natural Science courses reported	255	4	17.5	15	74,011	4	17.8	18

<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: 5,896

**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	215	4	19.2	55	6	16.6	152	4	20.1
Architecture	59	1	19.5	11	1	16.7	44	1	20.5
Area, Ethnic, & Multidisciplinary Studies	9	0	18.4	0	0	.	8	0	19.1
Arts: Visual & Performing	571	10	19.1	120	14	16.5	404	10	20.1
Business	312	5	20.4	57	7	17.4	245	6	21.2
Communications	55	1	21.7	6	1	16.3	47	1	22.5
Community, Family, & Personal Services	286	5	17.6	89	10	16.4	175	4	18.3
Computer Science & Mathematics	113	2	22.3	11	1	17.0	99	2	23.0
Education	432	7	20.1	34	4	16.4	390	9	20.5
Engineering	345	6	22.2	41	5	16.2	292	7	23.1
Engineering Technology & Drafting	120	2	18.5	26	3	17.5	83	2	19.2
English & Foreign Languages	66	1	23.4	9	1	17.0	55	1	24.5
Health Administration & Assisting	120	2	18.7	18	2	16.8	97	2	19.1
Health Sciences & Technologies	1,036	18	20.6	71	8	17.3	928	22	20.9
Philosophy, Religion, & Theology	25	0	21.5	2	0	19.0	21	1	22.4
Repair, Production, & Construction	264	4	17.1	143	16	17.1	92	2	17.4
Sciences: Biological & Physical	224	4	22.5	8	1	16.4	205	5	22.9
Social Sciences & Law	376	6	21.1	25	3	15.9	338	8	21.6
Undecided	557	9	20.4	83	9	17.3	384	9	21.5
No Response	671	11	17.1	51	6	14.7	57	1	16.7

<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: 5,896

**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	200	16.3	1	12.0	3	14.0	145	16.6	27	15.3
2-yr College Degree	675	16.8	6	13.8	17	16.0	478	17.1	86	15.6
Bachelors Degree	2,388	19.8	29	16.7	39	16.4	1,839	20.2	247	18.2
Graduate Study	665	22.4	1	25.0	14	18.6	516	23.0	68	20.4
Prof. Level Degree	1,083	22.4	7	17.7	18	16.9	817	22.9	118	20.3
Other	214	16.5	1	16.0	7	13.4	141	16.6	20	16.6
No Response	671	17.9	6	16.8	16	16.1	461	18.3	70	15.7

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	200	16.3	1	17.0	1	18.0	5	15.2	17	15.8
2-yr College Degree	675	16.8	3	16.7	4	13.5	24	17.2	57	16.1
Bachelors Degree	2,388	19.8	12	21.2	8	18.9	62	20.1	152	18.5
Graduate Study	665	22.4	2	24.5	1	17.0	18	20.9	45	20.3
Prof. Level Degree	1,083	22.4	18	24.9	1	19.0	39	22.9	65	21.4
Other	214	16.5	2	17.0	0	.	6	17.7	37	16.5
No Response	671	17.9	4	25.3	0	.	16	18.2	98	17.4

Total Students in Report: 5,896

**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 WYOMING	Wyoming	2,349	1,036	1,313	3	11	25	31	21	8	1
CASPER COLLEGE	Wyoming	921	402	519	4	21	36	27	11	2	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	838	838	0	7	26	32	21	10	3	0
LARAMIE COUNTY COMMUNITY COLLEGE	Wyoming	669	254	415	5	19	35	28	11	2	0
WESTERN WYOMING COMMUNITY COLLEGE	Wyoming	474	226	248	6	25	35	23	10	1	0
SHERIDAN COLLEGE	Wyoming	459	151	308	3	17	35	33	10	2	0
NORTHWEST COLLEGE	Wyoming	383	136	247	5	17	33	28	12	4	0
COLORADO STATE UNIVERSITY	Colorado	279	55	224	1	10	22	34	23	10	1
GILLETTE COLLEGE	Wyoming	276	99	177	8	27	36	21	8	0	0
CENTRAL WYOMING COLLEGE	Wyoming	269	100	169	7	22	31	29	8	2	0
EASTERN WYOMING COLLEGE	Wyoming	237	72	165	3	23	40	25	8	2	0
BLACK HILLS STATE UNIVERSITY	South Dakota	217	46	171	1	12	31	32	20	4	0
UTAH STATE UNIVERSITY	Utah	166	50	116	1	3	19	33	31	13	1
STATE-NO COLLEGE PLANS	Iowa	164	164	0	21	38	24	12	4	1	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	160	47	113	1	6	18	30	24	19	3
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	149	51	98	0	2	20	39	24	13	1
CHADRON STATE COLLEGE	Nebraska	139	33	106	0	12	32	34	19	4	0
BRIGHAM YOUNG UNIVERSITY	Utah	137	56	81	0	2	10	34	34	18	3
UNIVERSITY OF UTAH	Utah	120	19	101	1	3	19	29	36	11	1
MICHIGAN STATE UNIVERSITY	Michigan	116	40	76	1	4	6	22	28	32	7
ART INSTITUTE OF COLORADO THE	Colorado	106	38	68	3	18	39	29	8	3	0
NCAA ELIGIBILITY CENTER	Indiana	98	39	59	0	12	27	35	20	4	2
MONTANA STATE UNIVERSITY-BILLINGS	Montana	94	17	77	1	14	40	23	16	5	0
UNIV OF COLORADO-BOULDER	Colorado	94	16	78	1	6	11	30	32	14	6
ARIZONA STATE UNIVERSITY	Arizona	90	31	59	1	17	30	27	17	7	2
WEBER STATE UNIVERSITY	Utah	90	21	69	3	13	27	24	28	4	0
COLORADO MESA UNIVERSITY	Colorado	79	25	54	1	10	30	32	22	4	1
UNIVERSITY OF OREGON	Oregon	74	25	49	5	5	28	23	27	9	1
UNIVERSITY OF DENVER	Colorado	72	17	55	3	11	28	26	24	8	0
UNIVERSITY OF WASHINGTON	Washington	71	14	57	0	0	7	20	48	21	4
All Other Institutions		4,439	1,003	3,436	4	14	26	25	18	11	2
<b>Total</b>		<b>13,829</b>	<b>5,121</b>	<b>8,708</b>	<b>4</b>	<b>15</b>	<b>28</b>	<b>27</b>	<b>17</b>	<b>7</b>	<b>1</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: 5,896

**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>530</b>	<b>942,769</b>	<b>24.3</b>	<b>21.3</b>	<b>7.6</b>	<b>7.0</b>	<b>23.3</b>	<b>20.5</b>
Black/African American	4	114,751	16.8	16.3	6.5	6.1	16.8	16.0
American Indian/Alaska Native	2	6,031	14.5	16.8	6.5	6.1	15.0	16.4
White	434	518,407	24.6	22.9	7.6	7.2	23.5	21.9
Hispanic/Latino	39	151,504	23.2	18.6	7.6	6.8	22.5	18.3
Asian	12	54,580	25.3	23.5	7.9	7.6	24.3	22.7
Native Hawaiian/Other Pac. Isl.	1	2,812	22.0	19.5	7.0	6.9	21.0	19.2
Two or more races	17	35,355	23.8	21.5	7.2	7.0	22.6	20.6
Prefer not/No Response	21	59,329	23.8	21.8	7.7	7.1	22.9	20.9
Males	233	423,104	24.3	21.0	7.5	6.7	23.1	20.1
Females	297	513,945	24.4	21.6	7.7	7.2	23.4	20.9
Missing	0	5,720	.	16.6	.	6.3	.	16.5





