

# ACT Profile Report - State

Graduating Class 2014

Colorado





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

This report focuses on:

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

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

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

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

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

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

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

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

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

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

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

**The ACT:**

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

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

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

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

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

## How to Improve Scores and Increase College Readiness

25% 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:** 56,510 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. 60% 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 8% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 12% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 10% of these students were college ready. In comparison, 52% 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 15% of the cohort took less than three years of natural science courses. 18% of these students were college ready. In comparison, 43% 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 53% 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

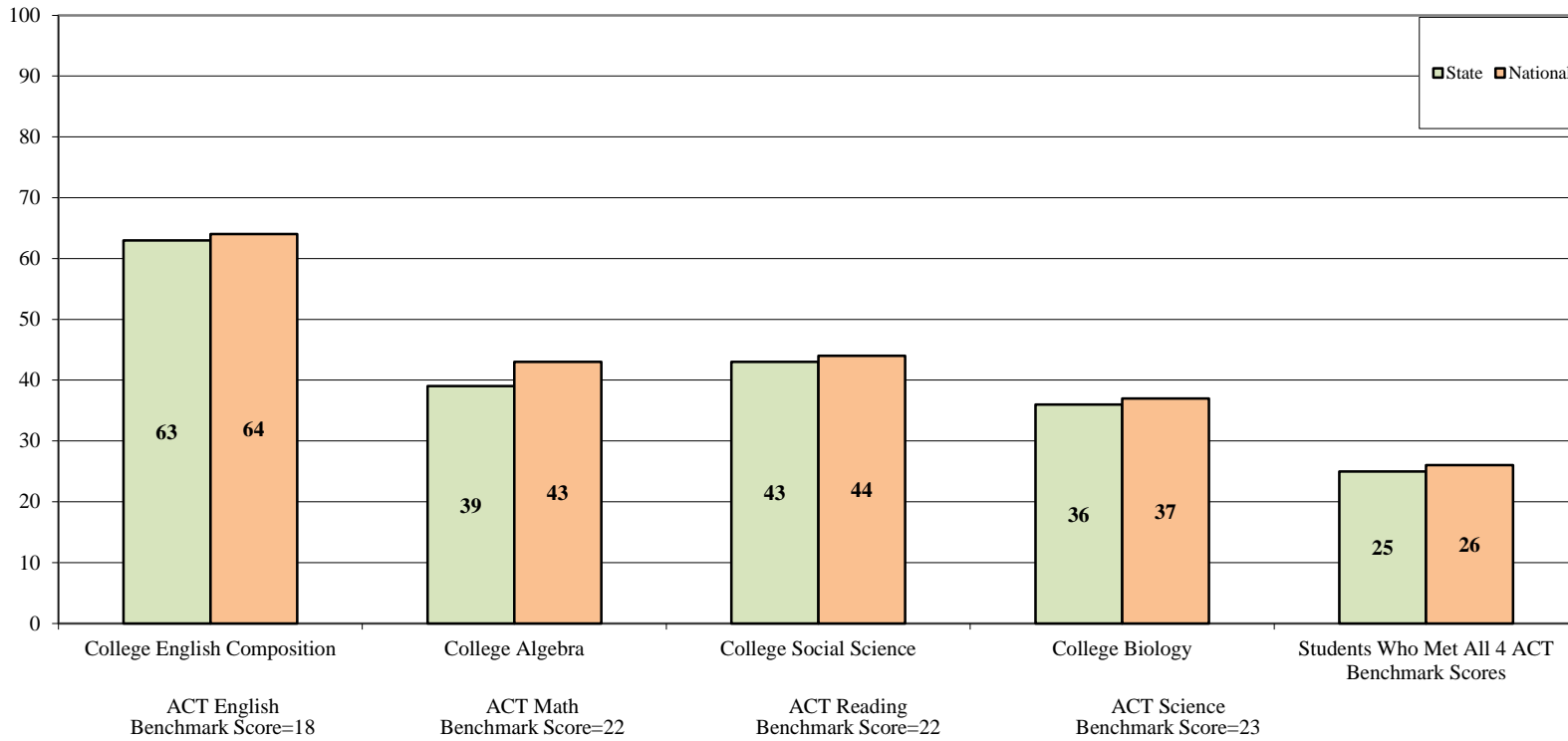
## Executive Summary

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: 56,510

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	52,115	1,568,835	62	66	39	43	51	52	28	29	23	24
2011	52,930	1,623,112	63	66	40	45	49	52	29	30	23	25
2012	53,071	1,666,017	62	67	41	46	47	52	31	31	25	25
2013	56,027	1,799,243	62	64	39	44	42	44	36	36	25	26
<b>2014</b>	<b>56,510</b>	<b>1,845,787</b>	<b>63</b>	<b>64</b>	<b>39</b>	<b>43</b>	<b>43</b>	<b>44</b>	<b>36</b>	<b>37</b>	<b>25</b>	<b>26</b>

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

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	52,115	1,568,835	19.9	20.5	20.4	21.0	21.1	21.3	20.7	20.9	20.6	21.0
2011	52,930	1,623,112	20.1	20.6	20.4	21.1	20.9	21.3	20.7	20.9	20.7	21.1
2012	53,071	1,666,017	19.9	20.5	20.5	21.1	20.7	21.3	20.8	20.9	20.6	21.1
2013	56,027	1,799,243	19.9	20.2	20.4	20.9	20.5	21.1	20.5	20.7	20.4	20.9
<b>2014</b>	<b>56,510</b>	<b>1,845,787</b>	<b>20.1</b>	<b>20.3</b>	<b>20.4</b>	<b>20.9</b>	<b>20.9</b>	<b>21.3</b>	<b>20.6</b>	<b>20.8</b>	<b>20.6</b>	<b>21.0</b>

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

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

Total Students in Report: 56,510

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2010	31,733	15,813	61	30	21.8	17.3	21.9	18.2	22.6	18.9	22.1	18.7	22.2	18.4
2011	32,470	15,696	61	30	21.9	17.4	21.9	18.2	22.5	18.8	22.2	18.6	22.3	18.4
2012	33,071	15,013	62	28	21.7	17.3	21.9	18.3	22.2	18.5	22.1	18.7	22.1	18.3
2013	34,247	15,781	61	28	21.8	17.3	21.9	18.2	22.1	18.2	22.1	18.3	22.1	18.1
<b>2014</b>	<b>34,062</b>	<b>15,071</b>	<b>60</b>	<b>27</b>	<b>22.1</b>	<b>17.5</b>	<b>22.0</b>	<b>18.3</b>	<b>22.7</b>	<b>18.8</b>	<b>22.3</b>	<b>18.5</b>	<b>22.4</b>	<b>18.4</b>

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

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

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>52,115</b>	<b>100</b>	<b>20.6</b>	<b>52,930</b>	<b>100</b>	<b>20.7</b>	<b>53,071</b>	<b>100</b>	<b>20.6</b>	<b>56,027</b>	<b>100</b>	<b>20.4</b>	<b>56,510</b>	<b>100</b>	<b>20.6</b>
Black/African American	2,289	4	17.4	2,275	4	17.4	2,059	4	17.3	2,168	4	17.3	2,141	4	17.3
American Indian/Alaska Native	556	1	18.8	562	1	18.7	401	1	17.9	415	1	16.9	372	1	17.6
White	31,165	60	22.1	30,493	58	22.3	29,884	56	22.2	30,951	55	22.0	30,782	54	22.3
Hispanic/Latino	8,997	17	17.2	10,520	20	17.4	13,290	25	17.6	14,198	25	17.7	15,005	27	17.8
Asian	1,702	3	21.7	1,656	3	21.7	1,612	3	21.6	1,687	3	21.9	1,788	3	22.3
Native Hawaiian/Other Pacific Islander	0	0	.	39	0	19.3	170	0	19.8	196	0	18.6	174	0	19.0
Two or more races	2,495	5	20.2	2,504	5	20.6	2,116	4	21.2	2,246	4	21.2	2,458	4	21.3
Prefer not to respond/No response	4,911	9	19.2	4,881	9	19.2	3,539	7	19.8	4,166	7	19.3	3,790	7	19.7

Total Students in Report: 56,510

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

CRS Range	English (Benchmark = 18)	Mathematics (Benchmark = 22)	Reading (Benchmark = 22)	Science (Benchmark = 23)
1-12	15% 13%	1% 1%	9% 7%	8% 6%
13-15	15% 14%	18% 14%	14% 13%	11% 10%
16-19	18% 18%	34% 33%	22% 22%	24% 24%
20-23	22% 23%	17% 18%	23% 24%	27% 29%
24-27	16% 16%	20% 21%	13% 14%	20% 20%
28-32	10% 10%	9% 9%	13% 14%	7% 7%
33-36	5% 5%	2% 3%	5% 5%	3% 3%
% At or Above Benchmark	63% 64%	39% 43%	43% 44%	36% 37%

= State
  = National

Total Students in Report: 56,510

**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	53,296	94	20.3	20.6	21.2	20.8	20.9
	Extended Time	3,214	6	15.2	17.0	16.9	17.0	16.6
	Total	56,510	100	20.1	20.4	20.9	20.6	20.6
National	Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

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

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	64	40	44	37	26
	Extended Time	31	16	22	17	11
	Total	63	39	43	36	25
National	Standard Time	65	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

# Section II

## Academic Achievement

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

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

Total Students in Report: 56,510

**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	181	100	115	100	410	100	286	100	35	100	36
35	657	100	239	100	321	99	394	99	196	100	35
34	923	99	473	99	902	99	492	99	372	100	34
33	795	97	450	99	1,410	97	453	98	546	99	33
32	1,038	95	443	98	1,466	95	606	97	708	98	32
31	751	94	536	97	1,414	92	546	96	1,006	97	31
30	1,180	92	917	96	1,474	90	901	95	1,185	95	30
29	1,116	90	1,337	94	1,441	87	753	93	1,411	93	29
28	1,570	88	1,745	92	1,557	84	1,227	92	1,774	90	28
27	1,377	85	2,027	89	1,623	82	2,019	90	1,979	87	27
26	1,994	83	2,891	85	1,789	79	1,770	86	2,353	84	26
25	2,749	80	2,738	80	1,923	76	3,797	83	2,667	80	25
24	3,059	75	3,492	75	2,241	72	3,950	77	2,969	75	24
23	2,489	69	2,737	69	3,579	68	3,055	70	3,262	70	23
22	3,355	65	1,811	64	2,498	62	4,519	64	3,349	64	22
21	3,355	59	2,495	61	4,379	57	4,338	56	3,489	58	21
20	3,314	53	2,609	57	2,498	50	3,287	48	3,510	52	20
19	3,186	47	2,768	52	4,107	45	4,443	43	3,603	45	19
18	2,264	41	3,187	47	2,421	38	2,597	35	3,397	39	18
17	1,482	37	5,565	42	2,424	34	3,869	30	3,466	33	17
16	3,137	35	7,607	32	3,585	29	2,493	23	3,407	27	16
15	3,328	29	6,051	18	2,342	23	2,134	19	3,123	21	15
14	2,847	23	2,962	8	3,525	19	2,053	15	3,063	15	14
13	2,024	18	988	2	1,970	13	2,041	12	2,868	10	13
12	1,869	15	191	1	2,668	9	1,561	8	1,914	5	12
11	2,437	11	110	1	1,159	5	1,145	5	663	2	11
10	1,984	7	12	1	872	2	814	3	149	1	10
9	1,124	4	2	1	263	1	719	2	30	1	9
8	507	2	10	1	50	1	147	1	12	1	8
7	307	1	0	1	110	1	60	1	2	1	7
6	83	1	2	1	54	1	9	1	1	1	6
5	19	1	0	1	19	1	20	1	1	1	5
4	6	1	0	1	1	1	6	1	0	1	4
3	1	1	0	1	11	1	1	1	0	1	3
2	2	1	0	1	2	1	4	1	0	1	2
1	0	1	0	1	2	1	1	1	0	1	1
Avg (SD)	20.1 (6.7)		20.4 (5.3)		20.9 (6.5)		20.6 (5.6)		20.6 (5.5)		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: 56,510

**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	1,791	100	782	100	1,269	100	1,664	100	1,450	100	358	100	355	100	18
17	2,935	97	764	99	3,342	98	2,880	97	1,843	97	386	99	225	99	17
16	1,829	92	2,800	97	3,057	92	3,070	92	2,502	94	1,029	99	2,239	99	16
15	2,781	88	4,099	92	2,571	86	3,240	87	2,816	90	2,581	97	2,733	95	15
14	2,036	83	3,292	85	3,900	82	3,189	81	3,277	85	4,170	92	4,880	90	14
13	3,825	80	5,406	79	5,782	75	3,693	75	5,588	79	4,797	85	4,627	82	13
12	3,917	73	4,592	70	4,596	65	3,956	69	4,420	69	4,809	76	4,671	73	12
11	4,833	66	5,960	62	4,600	57	4,265	62	3,636	61	6,671	68	7,746	65	11
10	4,980	58	4,607	51	4,609	48	4,185	54	3,478	55	6,608	56	5,175	51	10
9	4,818	49	6,092	43	4,802	40	7,435	47	5,706	49	9,961	44	8,173	42	9
8	5,821	40	4,519	32	5,216	32	3,802	34	6,164	39	6,312	27	7,743	28	8
7	4,130	30	3,894	24	6,565	23	3,763	27	6,706	28	4,302	16	3,680	14	7
6	3,975	23	3,737	17	2,868	11	3,525	20	4,999	16	1,132	8	597	8	6
5	3,511	16	2,824	11	1,813	6	4,816	14	2,813	7	2,228	6	2,064	6	5
4	2,577	9	2,419	6	943	3	1,596	5	729	2	110	2	580	3	4
3	2,136	5	599	1	418	1	979	3	260	1	875	2	633	2	3
2	562	1	117	1	117	1	410	1	110	1	3	1	237	1	2
1	53	1	7	1	42	1	42	1	13	1	178	1	152	1	1
Avg (SD)	9.9 (4.1)		10.3 (3.6)		10.8 (3.7)		10.3 (4.0)		10.3 (3.6)		10.2 (2.9)		10.4 (3.1)		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)	25	24	25	24	25
Q2 (50th Percentile)	20	19	21	21	20
Q1 (25th Percentile)	15	16	16	17	16

Total Students in Report: 56,510

**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>56,510</b>	<b>60</b>	<b>22.4</b>	<b>18.4</b>
	Black/African American	2,141	54	18.7	16.1
	American Indian/Alaska Native	372	46	19.8	16.1
	White	30,782	67	23.6	19.8
	Hispanic/Latino	15,005	49	19.5	16.6
	Asian	1,788	73	23.6	19.6
	Native Hawaiian/Other Pac. Isl.	174	55	20.5	17.3
	Two or more races	2,458	65	22.6	19.2
	Prefer not/No Response	3,790	45	22.2	17.8
National	<b>All Students</b>	<b>1,845,787</b>	<b>73</b>	<b>21.8</b>	<b>18.9</b>
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

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

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	20.1	20.4	20.9	20.6	20.6
	Black/African American	16.4	17.5	17.5	17.4	17.3
	American Indian/Alaska Native	16.4	17.7	17.9	17.9	17.6
	White	22.0	21.8	22.7	22.1	22.3
	Hispanic/Latino	16.7	18.0	17.9	18.0	17.8
	Asian	21.5	23.2	21.7	22.3	22.3
	Native Hawaiian/Other Pac. Isl.	18.6	18.9	19.2	18.7	19.0
	Two or more races	20.9	20.8	21.7	21.3	21.3
	Prefer not/No Response	18.9	19.6	20.0	19.6	19.7
National	<b>All Students</b>	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7



Total Students in Report: 56,510

**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	2,556	5	1,277	2	3,043	5	1,625	3
	28 to 32	5,655	10	4,978	9	7,352	13	4,033	7
	24 to 27	9,179	16	11,148	20	7,576	13	11,536	20
	20 to 23	12,513	22	9,652	17	12,954	23	15,199	27
	16 to 19	10,069	18	19,127	34	12,537	22	13,402	24
	13 to 15	8,199	15	10,001	18	7,837	14	6,228	11
	01 to 12	8,339	15	327	1	5,211	9	4,487	8
National	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	28,185	50	19.6	20.8	20.6	20.8	20.6
	Females	28,237	50	20.5	20.1	21.3	20.4	20.7
	Missing	88	0	15.0	16.9	16.0	16.9	16.3
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	60	41	41	38	27
	Females	65	36	44	34	24
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 56,510

**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>	34,062	76	22.1	52	22.0	54	22.7	47	22.3	35	22.4
	Less than Core	15,071	46	17.5	21	18.3	28	18.8	20	18.5	12	18.4
	Missing <sup>3</sup>	7,377	35	15.9	16	17.5	21	17.2	15	17.1	9	17.1
National	Core or More	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing	92,717	36	16.0	18	17.7	23	17.7	16	17.6	10	17.4

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

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

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

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

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

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	44,211	70	21.1	44,910	46	21.3	43,576	48	21.9	41,217	43	21.7
	Less than Core	5,848	38	16.3	4,752	7	16.4	6,201	25	18.1	8,423	18	18.1
	Missing <sup>3</sup>	6,451	36	16.0	6,848	16	17.5	6,733	21	17.4	6,870	15	17.3
National	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

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

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

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

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

# Section III

## College Readiness and the Impact of Course Rigor

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

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

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

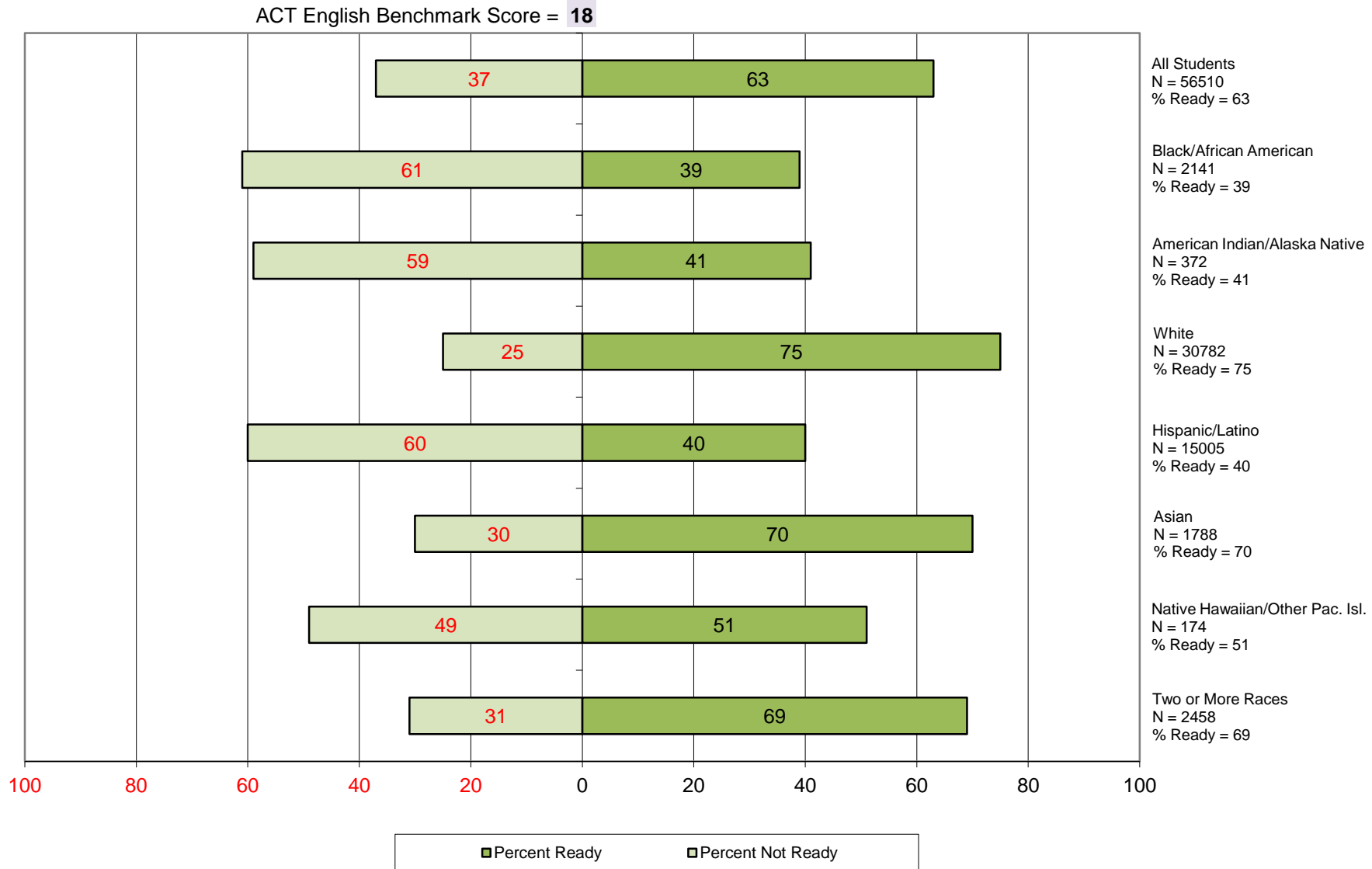


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

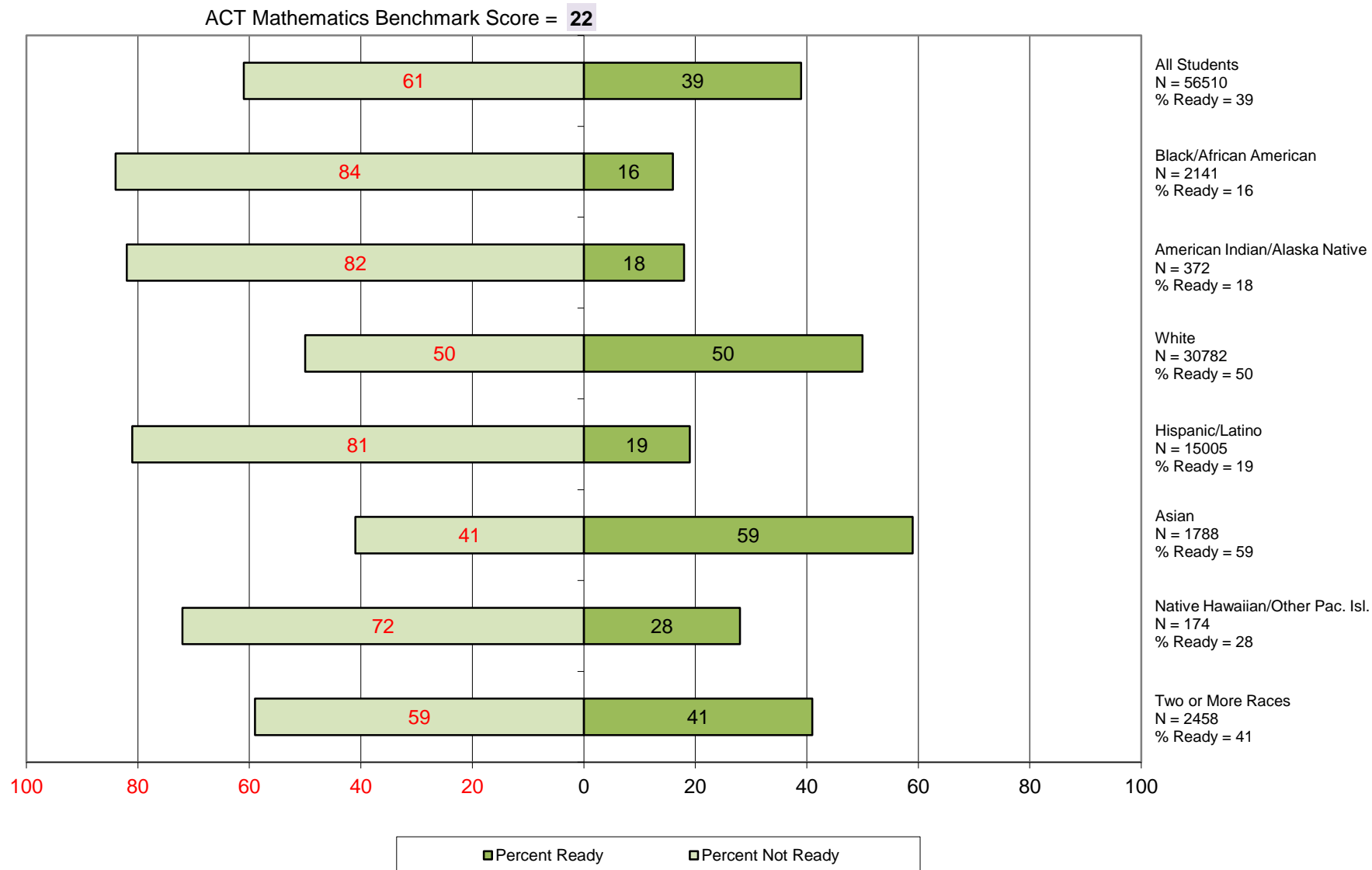


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

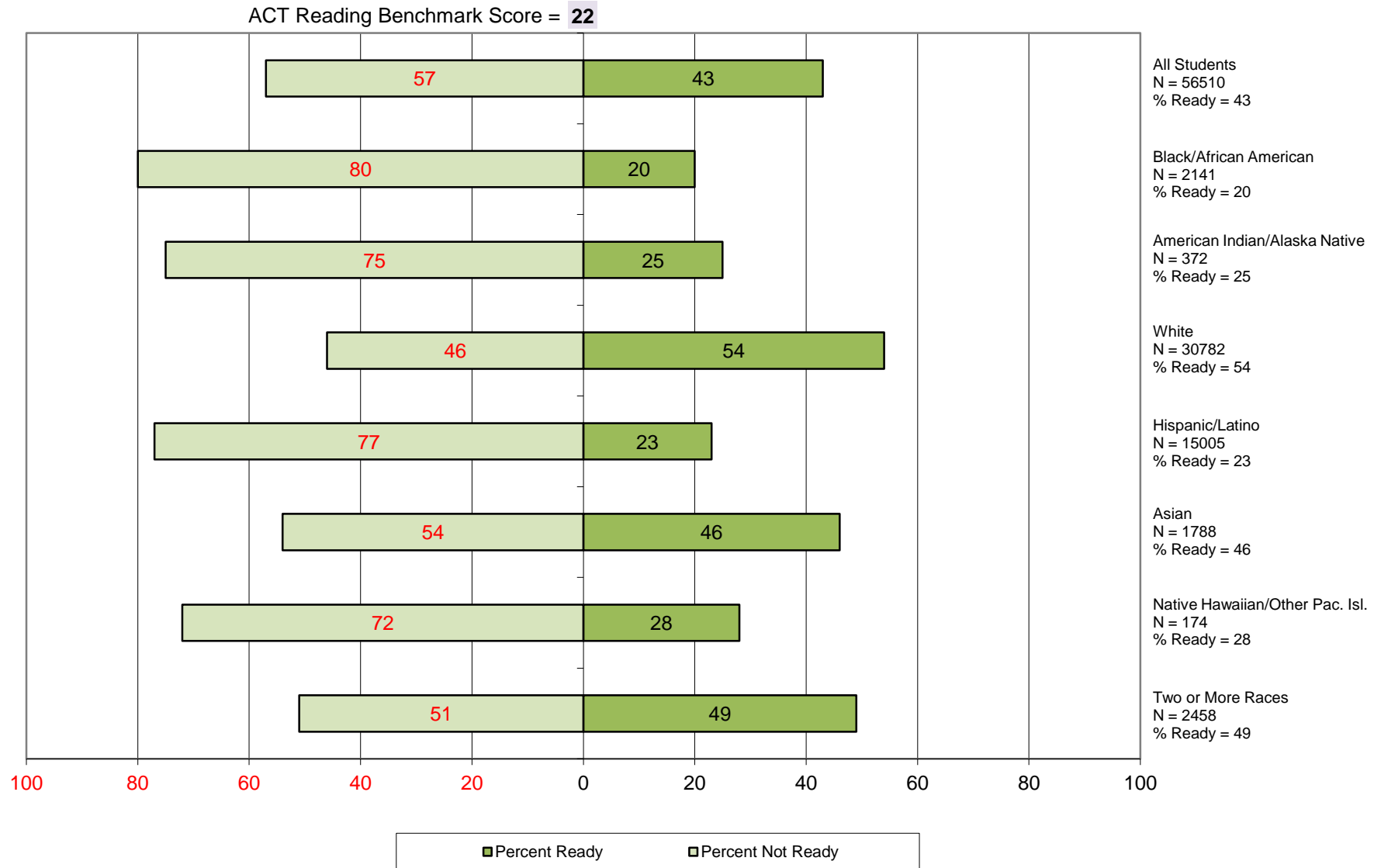


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

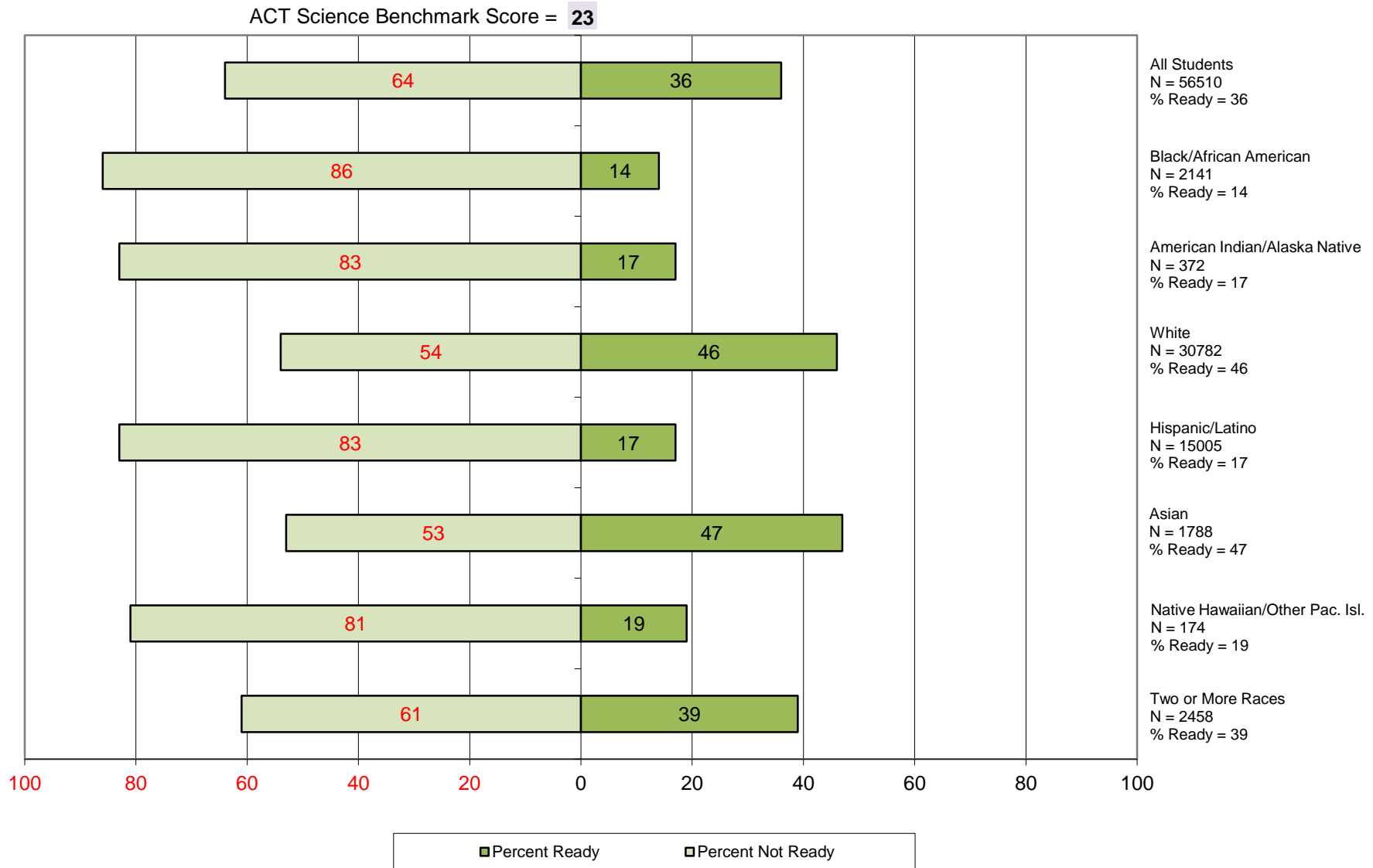
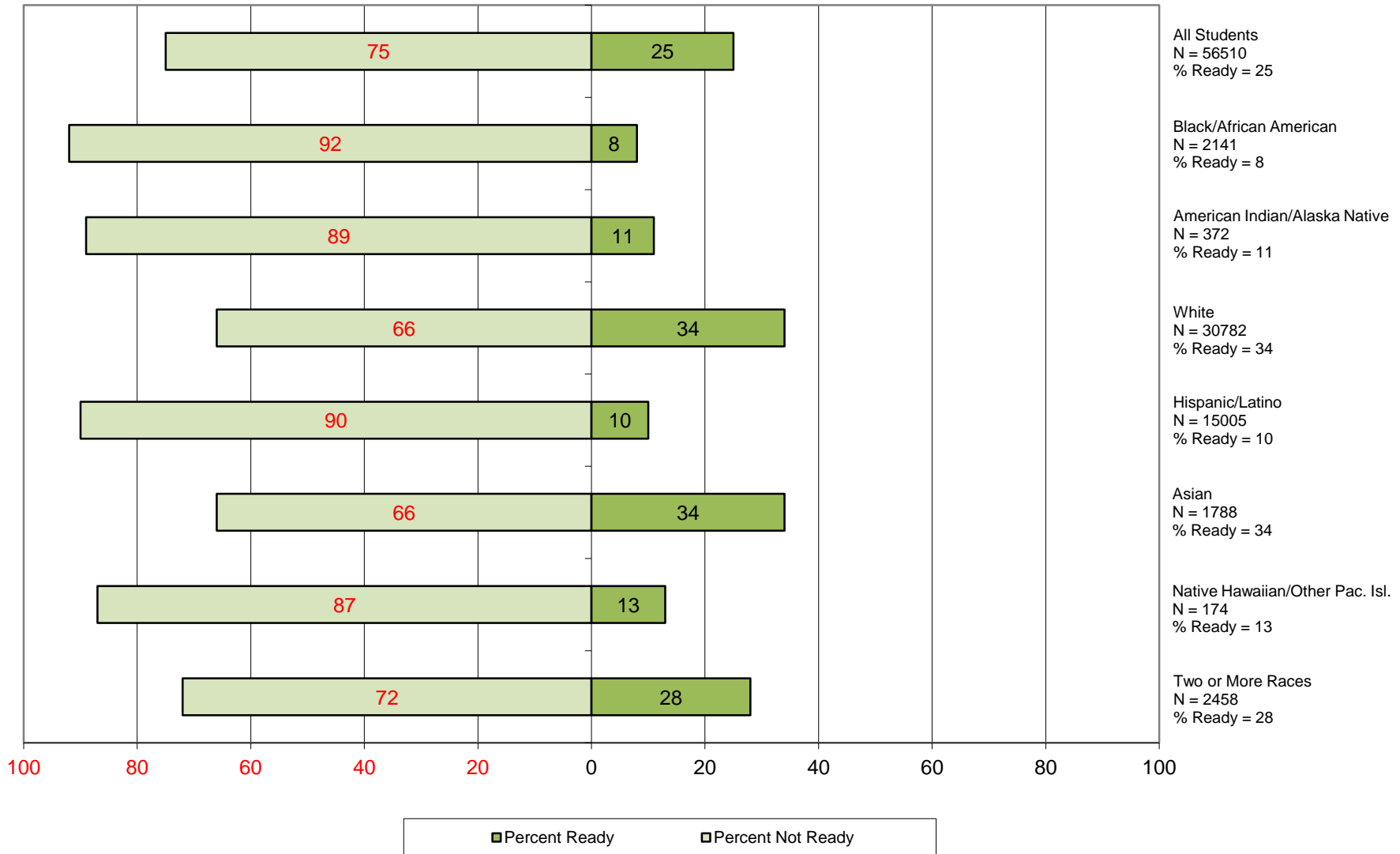


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 56,510

**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	11,163	20	21.9	5.6	4,948	18	21.5	5.5	6,203	22	22.1	5.4
Eng 9, Eng 10, Eng 11, Eng 12	33,048	58	20.9	4.6	16,441	58	20.6	4.6	16,581	59	21.2	4.5
Less than 4 years of English	5,848	10	16.3	-	3,301	12	16.0	-	2,532	9	16.7	-
Zero years / no English courses reported	6,451	11	16.0	-	3,495	12	15.8	-	2,921	10	16.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	3,795	7	23.9	7.5	1,902	7	24.5	8.0	1,891	7	23.3	7.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,999	11	22.2	5.8	2,446	9	22.6	6.1	3,551	13	21.9	5.6
Alg 1, Alg 2, Geom, & Trig	4,074	7	19.5	3.1	1,968	7	19.9	3.4	2,101	7	19.2	2.9
Alg 1, Alg 2, Geom, & Other Adv Math	7,499	13	19.6	3.2	3,118	11	20.0	3.5	4,377	16	19.3	3.0
Other comb of 4 or more years of Math	14,341	25	24.0	7.6	7,655	27	24.6	8.1	6,679	24	23.3	7.0
Alg 1, Alg 2, & Geom	6,991	12	17.1	0.7	3,611	13	17.4	0.9	3,364	12	16.8	0.5
Other comb of 3 or 3.5 years of Math	2,211	4	19.3	2.9	1,152	4	19.7	3.2	1,055	4	18.9	2.6
Less than 3 years of Math	4,752	8	16.4	-	2,601	9	16.5	-	2,138	8	16.3	-
Zero years / no Math courses reported	6,848	12	17.5	-	3,732	13	17.7	-	3,081	11	17.3	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	855	2	21.7	3.6	483	2	21.0	3.1	372	1	22.5	4.1
Other comb of 4 or more years Social Science	26,020	46	22.5	4.4	12,185	43	22.3	4.4	13,820	49	22.6	4.2
US Hist, World Hist, & Am Gov	2,044	4	19.0	0.9	1,170	4	18.7	0.8	871	3	19.4	1.0
Other comb of 3 or 3.5 years of Social Science	14,657	26	21.3	3.2	7,243	26	21.1	3.2	7,398	26	21.5	3.1
Less than 3 years of Social Science	6,201	11	18.1	-	3,442	12	17.9	-	2,743	10	18.4	-
Zero years / no Social Science courses reported	6,733	12	17.4	-	3,662	13	17.1	-	3,033	11	17.7	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	19,616	35	22.3	4.2	10,509	37	22.8	5.1	9,092	32	21.7	3.3
Bio, Chem, Phys	3,802	7	24.4	6.3	2,036	7	24.9	7.2	1,764	6	23.8	5.4
Gen Sci <sup>2</sup> , Bio, Chem	15,569	28	20.5	2.4	6,443	23	20.3	2.6	9,112	32	20.6	2.2
Other comb of 3 years of Natural Science	2,230	4	20.0	1.9	1,324	5	20.5	2.8	904	3	19.4	1.0
Less than 3 years of Natural Science	8,423	15	18.1	-	4,124	15	17.7	-	4,280	15	18.4	-
Zero years / no Natural Science courses reported	6,870	12	17.3	-	3,749	13	17.4	-	3,085	11	17.1	-

<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: 56,510

**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	11,163	20	21.9	74	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	33,048	58	20.9	68	1,305,220	71	20.5	65
Less than 4 years of English	5,848	10	16.3	38	88,420	5	15.9	36
Zero years / no English courses reported	6,451	11	16.0	36	81,272	4	16.3	38
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	3,795	7	23.9	69	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,999	11	22.2	57	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	4,074	7	19.5	31	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	7,499	13	19.6	30	356,555	19	19.4	31
Other comb of 4 or more years of Math	14,341	25	24.0	67	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	6,991	12	17.1	10	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	2,211	4	19.3	29	90,105	5	19.8	35
Less than 3 years of Math	4,752	8	16.4	7	74,627	4	16.4	8
Zero years / no Math courses reported	6,848	12	17.5	16	84,966	5	17.8	19
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	855	2	21.7	46	48,992	3	22.3	50
Other comb of 4 or more years Social Science	26,020	46	22.5	52	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	2,044	4	19.0	30	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	14,657	26	21.3	44	504,877	27	21.3	43
Less than 3 years of Social Science	6,201	11	18.1	25	180,385	10	19.4	32
Zero years / no Social Science courses reported	6,733	12	17.4	21	85,294	5	17.8	24
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	19,616	35	22.3	49	781,043	42	22.1	46
Bio, Chem, Phys	3,802	7	24.4	64	199,419	11	23.1	54
Gen Sci <sup>1</sup> , Bio, Chem	15,569	28	20.5	33	505,460	27	20.0	28
Other comb of 3 years of Natural Science	2,230	4	20.0	31	52,236	3	19.2	24
Less than 3 years of Natural Science	8,423	15	18.1	18	220,701	12	18.1	17
Zero years / no Natural Science courses reported	6,870	12	17.3	15	86,928	5	17.7	17

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

# Section IV

## Career and Educational Aspirations

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

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

Total Students in Report: 56,510

**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	913	2	19.8	177	4	16.5	670	2	20.8
Architecture	625	1	20.7	48	1	16.0	545	1	21.2
Area, Ethnic, & Multidisciplinary Studies	93	0	20.8	8	0	15.5	80	0	21.5
Arts: Visual & Performing	4,624	8	20.2	613	12	16.9	3,650	9	21.0
Business	4,772	8	21.5	403	8	16.6	4,185	10	22.0
Communications	919	2	22.2	41	1	17.6	850	2	22.4
Community, Family, & Personal Services	2,408	4	17.7	581	12	16.4	1,626	4	18.4
Computer Science & Mathematics	1,313	2	23.2	102	2	18.2	1,156	3	23.8
Education	2,124	4	20.7	110	2	16.0	1,937	5	21.1
Engineering	4,739	8	24.3	235	5	15.9	4,329	11	24.9
Engineering Technology & Drafting	811	1	20.0	175	4	16.4	598	1	21.2
English & Foreign Languages	733	1	23.7	34	1	18.4	666	2	24.0
Health Administration & Assisting	1,016	2	17.8	138	3	15.6	791	2	18.3
Health Sciences & Technologies	7,999	14	21.0	469	10	16.6	7,253	18	21.4
Philosophy, Religion, & Theology	301	1	21.9	24	0	19.3	253	1	22.1
Repair, Production, & Construction	1,185	2	17.5	541	11	16.6	544	1	18.8
Sciences: Biological & Physical	2,980	5	24.0	65	1	17.9	2,773	7	24.2
Social Sciences & Law	4,505	8	21.4	161	3	16.5	4,160	10	21.7
Undecided	5,374	10	21.3	478	10	16.4	4,121	10	22.3
No Response	8,787	16	17.1	439	9	14.6	849	2	16.8

<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: 56,510

**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	1,433	15.9	53	13.9	14	13.5	637	17.3	542	14.6
2-yr College Degree	3,493	16.6	113	14.8	26	16.3	1,622	17.7	1,287	15.4
Bachelors Degree	23,433	20.6	831	17.2	149	17.8	13,599	21.9	5,984	18.1
Graduate Study	7,953	24.1	227	19.8	37	21.4	5,152	25.2	1,395	20.8
Prof. Level Degree	9,813	23.2	424	19.3	53	20.0	5,360	24.6	2,385	20.0
Other	1,566	17.1	47	16.0	10	15.5	785	18.1	457	15.4
No Response	8,819	17.8	446	15.6	83	15.4	3,627	19.6	2,955	15.9

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	1,433	15.9	23	16.0	6	17.8	58	16.6	100	14.7
2-yr College Degree	3,493	16.6	51	15.9	18	16.4	124	17.2	252	16.0
Bachelors Degree	23,433	20.6	599	20.7	74	19.3	1,026	20.9	1,171	20.0
Graduate Study	7,953	24.1	326	24.6	16	21.1	377	23.9	423	23.2
Prof. Level Degree	9,813	23.2	547	25.1	25	21.0	506	23.8	513	23.2
Other	1,566	17.1	26	16.5	8	19.6	54	17.9	179	17.2
No Response	8,819	17.8	216	18.9	27	16.6	313	18.5	1,152	18.0

Total Students in Report: 56,510

**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
COLORADO STATE UNIVERSITY	Colorado	12,364	4,610	7,754	2	9	22	30	24	12	1
UNIV OF COLORADO-BOULDER	Colorado	11,371	3,861	7,510	2	9	20	27	25	15	2
STATE-COLLEGE/NO REPORTS NOW	Iowa	7,211	7,210	1	8	25	28	20	11	6	1
UNIV OF NORTHERN COLORADO	Colorado	5,496	1,547	3,949	2	11	29	31	19	7	0
METROPOLITAN STATE UNIV OF DENVER	Colorado	5,113	1,617	3,496	5	22	35	25	10	2	0
UNIVERSITY OF DENVER	Colorado	4,459	926	3,533	3	12	22	25	21	13	2
UNIV OF COLORADO-COLORADO SPRINGS	Colorado	4,184	1,136	3,048	2	10	27	32	21	8	1
UNIVERSITY OF COLORADO DENVER	Colorado	3,706	834	2,872	3	12	26	30	20	9	1
COLORADO MESA UNIVERSITY	Colorado	3,620	1,310	2,310	2	15	33	30	15	4	0
COLORADO STATE UNIVERSITY-PUEBLO	Colorado	2,674	766	1,908	4	19	39	24	10	3	0
COLORADO SCHOOL OF MINES	Colorado	2,538	976	1,562	1	4	8	19	30	31	7
NCAA ELIGIBILITY CENTER	Indiana	2,415	1,195	1,220	3	13	26	28	20	9	1
COMMUNITY COLLEGE OF DENVER	Colorado	1,511	446	1,065	12	39	31	14	3	0	0
FORT LEWIS COLLEGE	Colorado	1,509	464	1,045	4	14	28	30	17	7	0
ART INSTITUTE OF COLORADO THE	Colorado	1,489	558	931	4	23	34	25	10	3	0
RED ROCKS COMMUNITY COLLEGE	Colorado	1,464	434	1,030	8	25	32	23	9	2	0
PIKES PEAK COMMUNITY COLLEGE	Colorado	1,398	496	902	4	21	36	26	10	3	0
ARIZONA STATE UNIVERSITY	Arizona	1,385	387	998	2	9	26	33	23	7	1
STATE-NO COLLEGE PLANS	Iowa	1,385	1,385	0	20	37	26	12	4	1	0
ADAMS STATE UNIVERSITY	Colorado	1,374	391	983	5	17	38	28	10	2	0
REGIS UNIVERSITY	Colorado	1,302	264	1,038	5	16	27	25	20	6	1
UNIVERSITY OF WYOMING	Wyoming	1,275	310	965	1	5	20	32	28	13	1
COLORADO COLLEGE	Colorado	1,132	288	844	4	12	23	23	19	15	3
UNITED STATES AIR FORCE ACADEMY	Colorado	1,105	334	771	5	16	21	22	20	14	2
WESTERN STATE COLLEGE OF COLORADO	Colorado	1,084	273	811	3	12	33	31	16	5	0
ARAPAHOE COMMUNITY COLLEGE	Colorado	1,065	427	638	6	28	31	23	10	2	0
AIMS COMMUNITY COLLEGE	Colorado	991	438	553	10	33	33	16	6	1	0
COLORADO CHRISTIAN UNIVERSITY	Colorado	902	290	612	3	13	23	31	21	9	1
COMMUNITY COLLEGE OF AURORA	Colorado	900	296	604	13	31	35	16	4	1	0
PUEBLO COMMUNITY COLLEGE	Colorado	836	284	552	8	35	35	18	4	0	0
All Other Institutions		52,529	13,365	39,164	4	13	21	24	20	15	3
<b>Total</b>		<b>139,787</b>	<b>47,118</b>	<b>92,669</b>	<b>4</b>	<b>14</b>	<b>25</b>	<b>25</b>	<b>19</b>	<b>11</b>	<b>2</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: 56,510

**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>8,824</b>	<b>976,031</b>	<b>26.0</b>	<b>21.3</b>	<b>8.0</b>	<b>7.1</b>	<b>24.9</b>	<b>20.6</b>
Black/African American	298	114,263	21.7	16.4	7.4	6.3	21.2	16.3
American Indian/Alaska Native	29	6,408	23.4	16.8	7.8	6.2	22.9	16.5
White	5,737	520,054	26.9	23.1	8.0	7.3	25.6	22.1
Hispanic/Latino	1,298	167,575	22.6	18.5	7.7	6.9	22.1	18.4
Asian	547	61,663	26.6	23.7	8.2	7.7	25.5	22.9
Native Hawaiian/Other Pac. Isl.	22	3,742	24.1	17.7	7.6	6.6	23.2	17.6
Two or more races	426	39,565	26.5	21.4	8.0	7.1	25.3	20.7
Prefer not/No Response	467	62,761	26.6	21.6	8.0	7.1	25.3	20.9
Males	3,749	438,500	25.9	21.1	7.8	6.9	24.7	20.2
Females	5,075	530,240	26.0	21.6	8.1	7.3	25.0	21.1
Missing	0	7,291	.	16.0	.	5.9	.	15.7





