



Profile Report - State

Graduating Class 2015

Colorado



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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.

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

How to Improve Scores and Increase College Readiness

26% 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: 57,328 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, 53% 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. 21% of these students were college ready. In comparison, 46% 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 54% 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.

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.

Section I

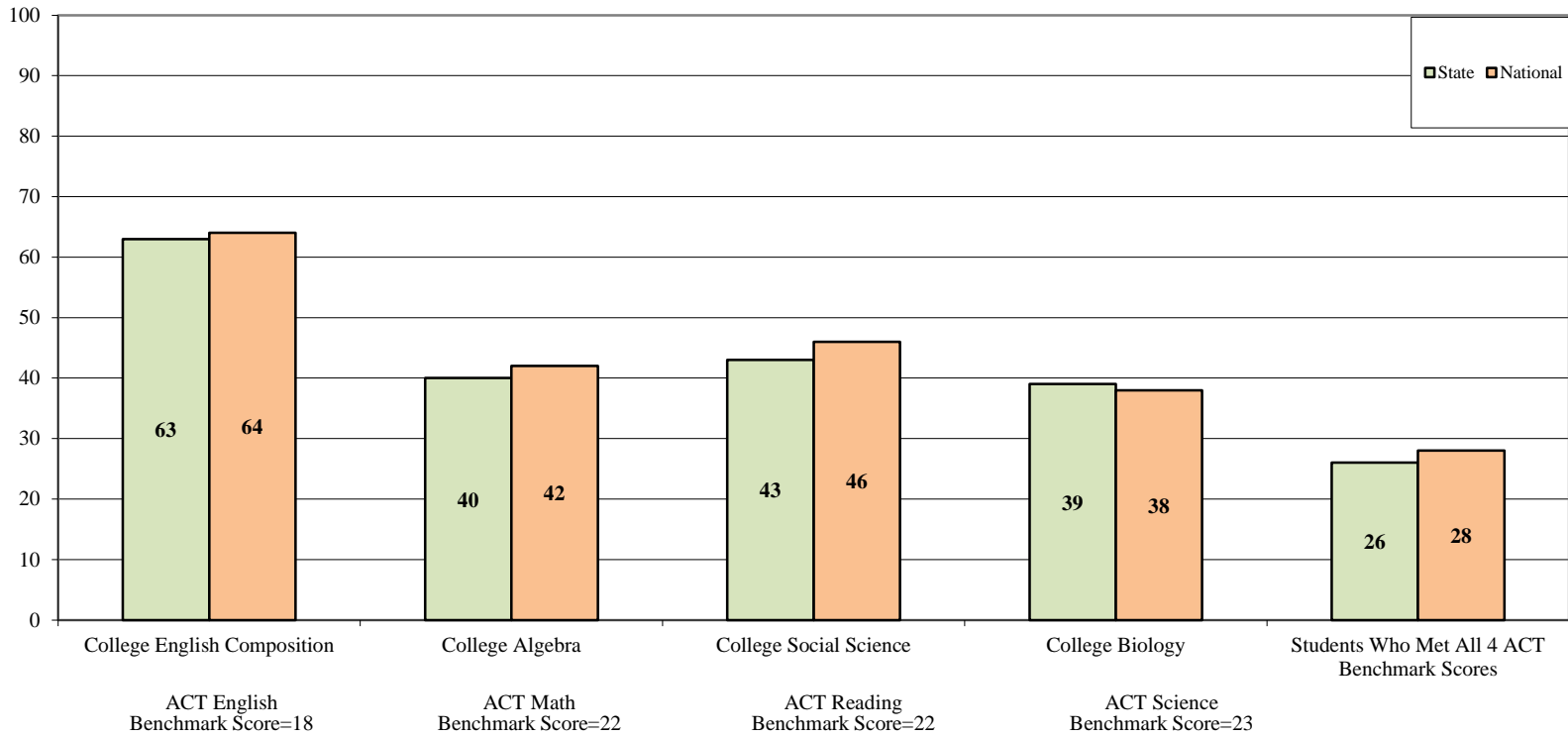
Executive Summary

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: 57,328

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	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
2014	56,510	1,845,787	63	64	39	43	43	44	36	37	25	26
2015	57,328	1,924,436	63	64	40	42	43	46	39	38	26	28

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	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
2014	56,510	1,845,787	20.1	20.3	20.4	20.9	20.9	21.3	20.6	20.8	20.6	21.0
2015	57,328	1,924,436	20.2	20.4	20.4	20.8	21.0	21.4	20.8	20.9	20.7	21.0

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
2015	1,924,436	20.4	20.8	21.4	20.9	21.0

Total Students in Report: 57,328

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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	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
2014	34,062	15,071	60	27	22.1	17.5	22.0	18.3	22.7	18.8	22.3	18.5	22.4	18.4
2015	34,604	14,852	60	26	22.1	17.8	21.9	18.3	22.7	19.0	22.4	18.8	22.4	18.6

¹"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.

²Percent 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
All Students	52,930	100	20.7	53,071	100	20.6	56,027	100	20.4	56,510	100	20.6	57,328	100	20.7
Black/African American	2,275	4	17.4	2,059	4	17.3	2,168	4	17.3	2,141	4	17.3	2,140	4	17.7
American Indian/Alaska Native	562	1	18.7	401	1	17.9	415	1	16.9	372	1	17.6	326	1	17.6
White	30,493	58	22.3	29,884	56	22.2	30,951	55	22.0	30,782	54	22.3	30,545	53	22.4
Hispanic/Latino	10,520	20	17.4	13,290	25	17.6	14,198	25	17.7	15,005	27	17.8	15,307	27	18.0
Asian	1,656	3	21.7	1,612	3	21.6	1,687	3	21.9	1,788	3	22.3	1,790	3	22.6
Native Hawaiian/Other Pacific Islander	39	0	19.3	170	0	19.8	196	0	18.6	174	0	19.0	178	0	18.7
Two or more races	2,504	5	20.6	2,116	4	21.2	2,246	4	21.2	2,458	4	21.3	2,517	4	21.3
Prefer not to respond/No response	4,881	9	19.2	3,539	7	19.8	4,166	7	19.3	3,790	7	19.7	4,525	8	19.4

Total Students in Report: 57,328

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



Total Students in Report: 57,328

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	53,712	94	20.5	20.6	21.3	21.0	21.0
	Extended Time	3,616	6	15.2	17.3	17.5	17.3	17.0
	Total	57,328	100	20.2	20.4	21.0	20.8	20.7
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	65	41	44	40	27
	Extended Time	32	18	24	17	11
	Total	63	40	43	39	26
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: 57,328

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	170	100	107	100	328	100	335	100	36	100	36
35	746	100	243	100	571	99	408	99	220	100	35
34	1,169	98	513	99	960	98	553	99	415	100	34
33	779	96	455	98	1,241	97	565	98	605	99	33
32	874	95	525	98	1,240	95	796	97	779	98	32
31	990	93	550	97	1,361	92	666	95	964	96	31
30	1,249	92	941	96	1,598	90	496	94	1,261	95	30
29	1,079	90	966	94	1,417	87	1,035	93	1,520	93	29
28	1,185	88	2,180	92	1,581	85	1,266	92	1,693	90	28
27	1,660	86	2,123	89	2,405	82	1,435	89	2,019	87	27
26	1,954	83	2,911	85	1,830	78	2,995	87	2,318	83	26
25	2,917	79	2,314	80	1,891	75	2,777	82	2,627	79	25
24	2,708	74	3,319	76	2,280	71	4,220	77	3,023	75	24
23	3,088	70	2,759	70	3,348	67	4,784	69	3,247	70	23
22	3,121	64	2,748	65	2,560	62	3,051	61	3,358	64	22
21	3,391	59	1,620	60	3,658	57	3,413	56	3,547	58	21
20	3,385	53	2,730	58	2,700	51	4,688	50	3,580	52	20
19	3,165	47	3,088	53	3,920	46	4,892	42	3,681	46	19
18	2,424	41	3,149	48	2,675	39	2,937	33	3,735	39	18
17	2,456	37	5,824	42	4,086	34	2,711	28	3,762	33	17
16	2,549	33	7,200	32	2,365	27	2,782	23	3,521	26	16
15	3,649	28	6,798	19	4,063	23	2,566	18	3,534	20	15
14	3,035	22	2,902	7	2,153	16	2,161	14	3,195	14	14
13	1,975	17	928	2	3,134	12	1,832	10	2,612	8	13
12	1,816	13	274	1	2,131	7	2,194	7	1,499	4	12
11	1,728	10	114	1	960	3	812	3	447	1	11
10	1,935	7	27	1	467	2	478	2	100	1	10
9	993	4	4	1	195	1	286	1	18	1	9
8	715	2	10	1	126	1	120	1	9	1	8
7	275	1	0	1	15	1	47	1	2	1	7
6	102	1	3	1	49	1	18	1	1	1	6
5	28	1	0	1	6	1	2	1	0	1	5
4	11	1	1	1	11	1	4	1	0	1	4
3	3	1	0	1	2	1	3	1	0	1	3
2	2	1	0	1	1	1	0	1	0	1	2
1	2	1	2	1	0	1	0	1	0	1	1
Avg (SD)	20.2 (6.7)		20.4 (5.3)		21.0 (6.4)		20.8 (5.5)		20.7 (5.5)		Avg (SD)

¹CP 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: 57,328

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), 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	2,207	100	835	100	1,379	100	1,973	100	1,886	100	396	100	513	100	18
17	2,798	96	1,125	99	2,869	98	2,745	97	1,794	97	321	99	98	99	17
16	1,723	91	2,741	97	3,785	93	3,297	92	2,912	94	994	99	1,939	99	16
15	3,008	88	3,624	92	3,236	86	2,233	86	2,830	89	2,910	97	3,559	96	15
14	2,088	83	4,567	85	3,052	80	3,754	82	3,197	84	4,380	92	3,713	89	14
13	3,381	79	4,193	78	5,394	75	3,661	76	3,889	78	5,389	84	5,719	83	13
12	3,778	73	4,494	70	4,596	66	5,723	69	4,132	71	4,263	75	4,421	73	12
11	4,869	67	6,114	62	4,512	58	3,748	59	5,232	64	5,194	67	7,276	65	11
10	6,305	58	6,009	52	8,132	50	3,933	53	4,219	55	9,577	58	6,088	52	10
9	4,654	47	5,048	41	4,893	36	6,165	46	3,545	48	6,462	42	8,912	42	9
8	4,857	39	6,402	32	5,491	27	3,841	35	6,118	41	5,736	30	5,189	26	8
7	4,800	31	2,604	21	4,102	17	3,867	28	8,838	31	4,921	20	3,917	17	7
6	4,186	22	3,747	17	4,024	10	6,134	22	4,804	15	3,069	12	2,716	10	6
5	4,274	15	2,776	10	1,127	3	2,789	11	2,685	7	2,311	6	2,038	6	5
4	2,282	8	2,048	5	288	1	2,567	6	790	2	163	2	293	2	4
3	1,524	4	840	2	308	1	709	2	342	1	959	2	700	2	3
2	517	1	145	1	75	1	167	1	96	1	53	1	79	1	2
1	77	1	16	1	65	1	22	1	19	1	230	1	158	1	1
Avg (SD)	10.0 (4.0)		10.4 (3.6)		11.0 (3.5)		10.4 (4.0)		10.2 (3.7)		10.1 (3.1)		10.4 (3.1)		Avg (SD)

¹CP 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	26	24	25
Q2 (50th Percentile)	20	19	20	21	20
Q1 (25th Percentile)	15	16	16	17	16

Total Students in Report: 57,328

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 ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	57,328	60	22.4	18.6
	Black/African American	2,140	55	19.0	16.7
	American Indian/Alaska Native	326	44	19.2	16.5
	White	30,545	68	23.7	19.8
	Hispanic/Latino	15,307	51	19.4	16.9
	Asian	1,790	71	23.9	20.4
	Native Hawaiian/Other Pac. Isl.	178	59	20.0	16.9
	Two or more races	2,517	63	22.7	19.3
	Prefer not/No Response	4,525	41	22.0	17.8
National	All Students	1,924,436	72	21.9	18.9
	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

¹"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	All Students	20.2	20.4	21.0	20.8	20.7
	Black/African American	16.7	17.7	17.8	18.1	17.7
	American Indian/Alaska Native	16.5	17.5	17.9	17.8	17.6
	White	22.2	21.8	22.8	22.3	22.4
	Hispanic/Latino	16.9	18.0	18.2	18.4	18.0
	Asian	21.8	23.3	22.1	22.7	22.6
	Native Hawaiian/Other Pac. Isl.	17.8	18.9	18.7	18.9	18.7
	Two or more races	20.9	20.8	21.7	21.4	21.3
	Prefer not/No Response	18.5	19.1	19.8	19.5	19.4
National	All Students	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: 57,328

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	2,864	5	1,318	2	3,100	5	1,861	3
	28 to 32	5,377	9	5,162	9	7,197	13	4,259	7
	24 to 27	9,239	16	10,667	19	8,406	15	11,427	20
	20 to 23	12,985	23	9,857	17	12,266	21	15,936	28
	16 to 19	10,594	18	19,261	34	13,046	23	13,322	23
	13 to 15	8,659	15	10,628	19	9,350	16	6,559	11
	01 to 12	7,610	13	435	1	3,963	7	3,964	7
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	28,501	50	19.6	20.7	20.5	21.1	20.6
	Females	28,680	50	20.8	20.1	21.5	20.6	20.9
	Missing	147	0	14.4	15.9	16.0	16.1	15.7
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	60	42	40	41	27
	Females	66	37	46	37	26
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 57,328

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	34,604	75	22.1	52	21.9	54	22.7	50	22.4	36	22.4
	Less than Core	14,852	48	17.8	22	18.3	29	19.0	23	18.8	13	18.6
	Missing ³	7,872	37	16.2	17	17.5	21	17.6	18	17.6	10	17.3
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

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "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.

³ Zero years or no coursework information reported in one or more content areas.

⁴ 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 ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	44,686	70	21.3	45,551	46	21.2	44,192	49	21.9	41,673	46	21.8
	Less than Core	5,666	40	16.4	4,397	7	16.2	5,911	25	18.3	8,317	21	18.4
	Missing ³	6,976	38	16.3	7,380	17	17.5	7,225	22	17.7	7,338	19	17.7
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

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "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.

³ 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

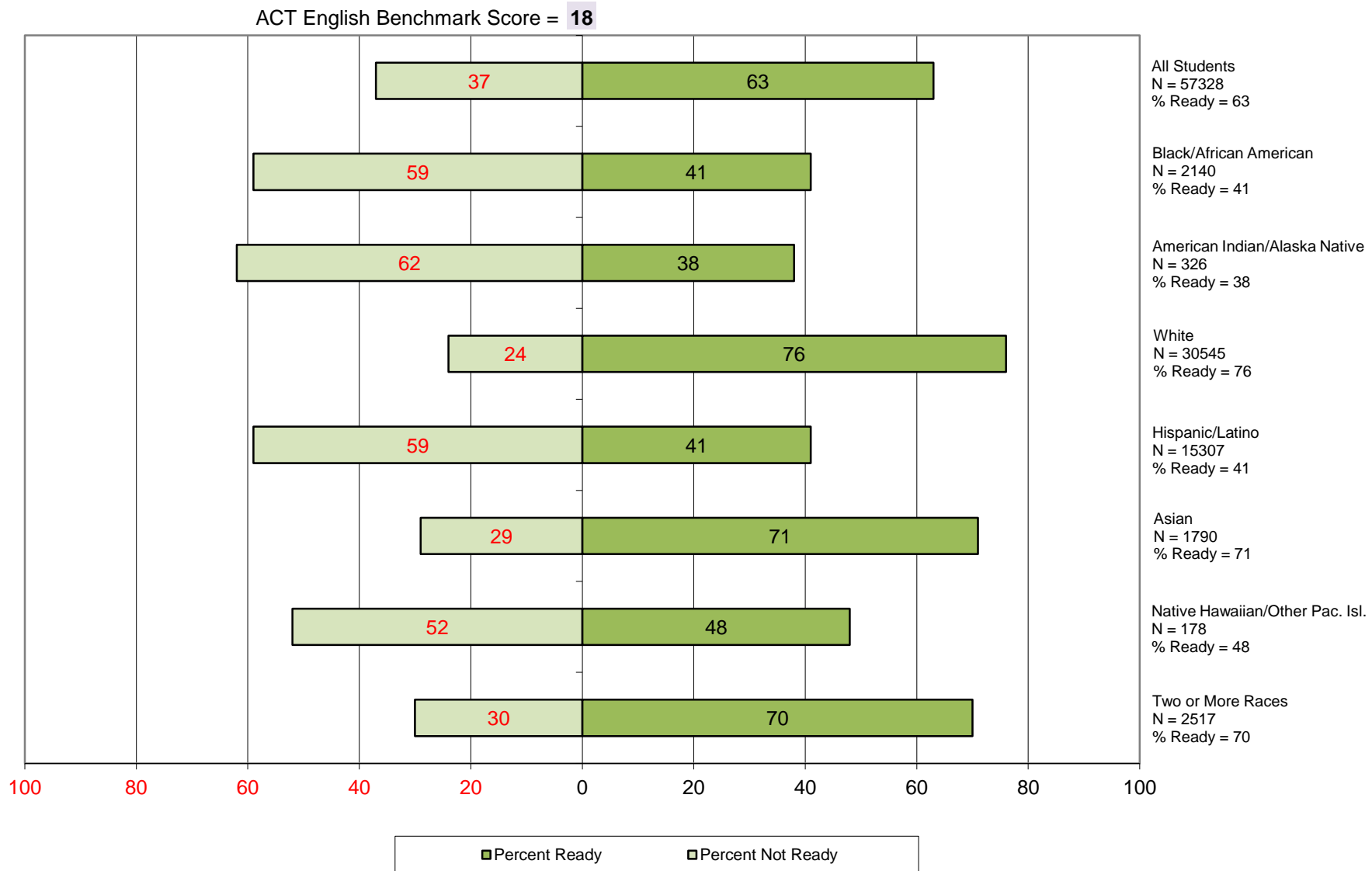


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

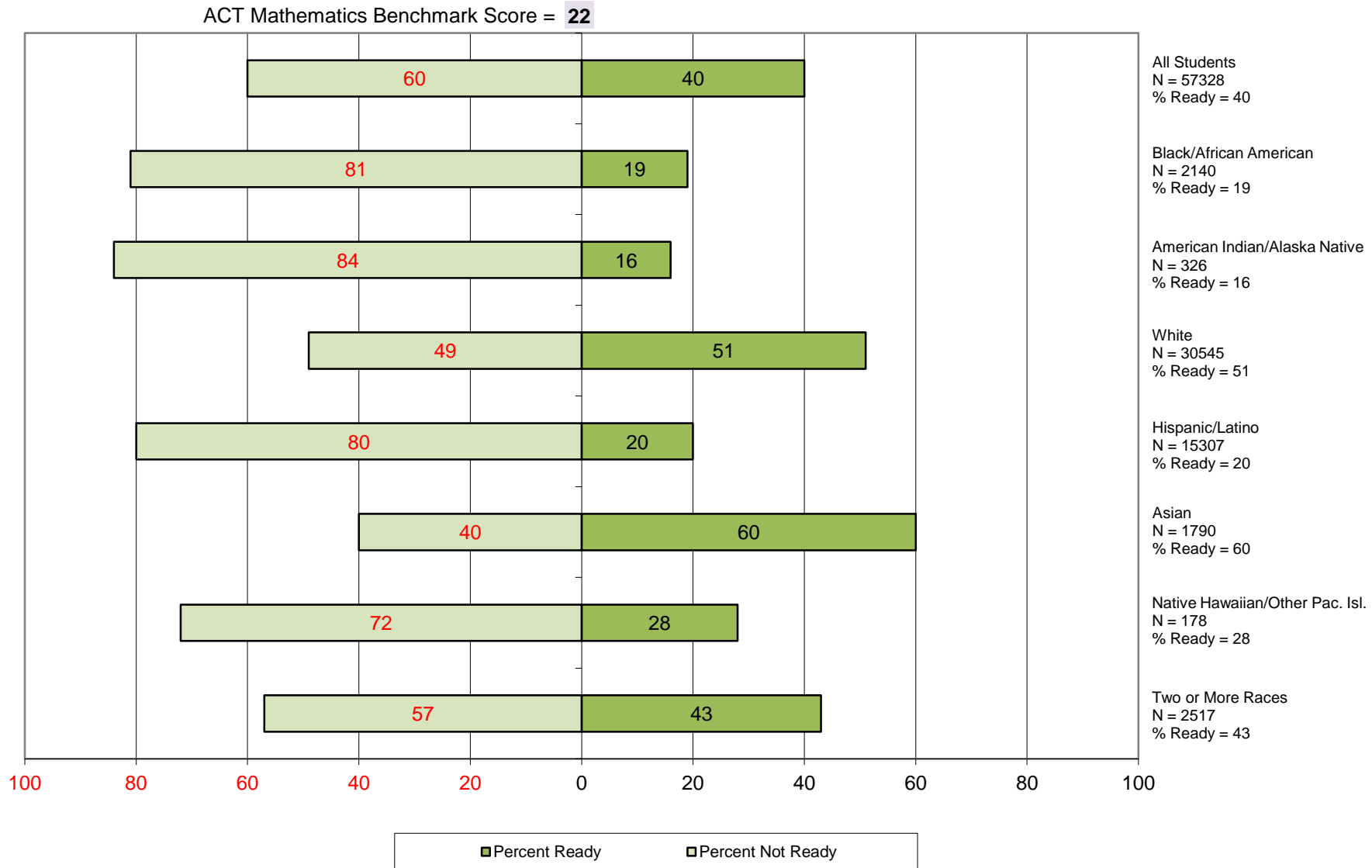


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

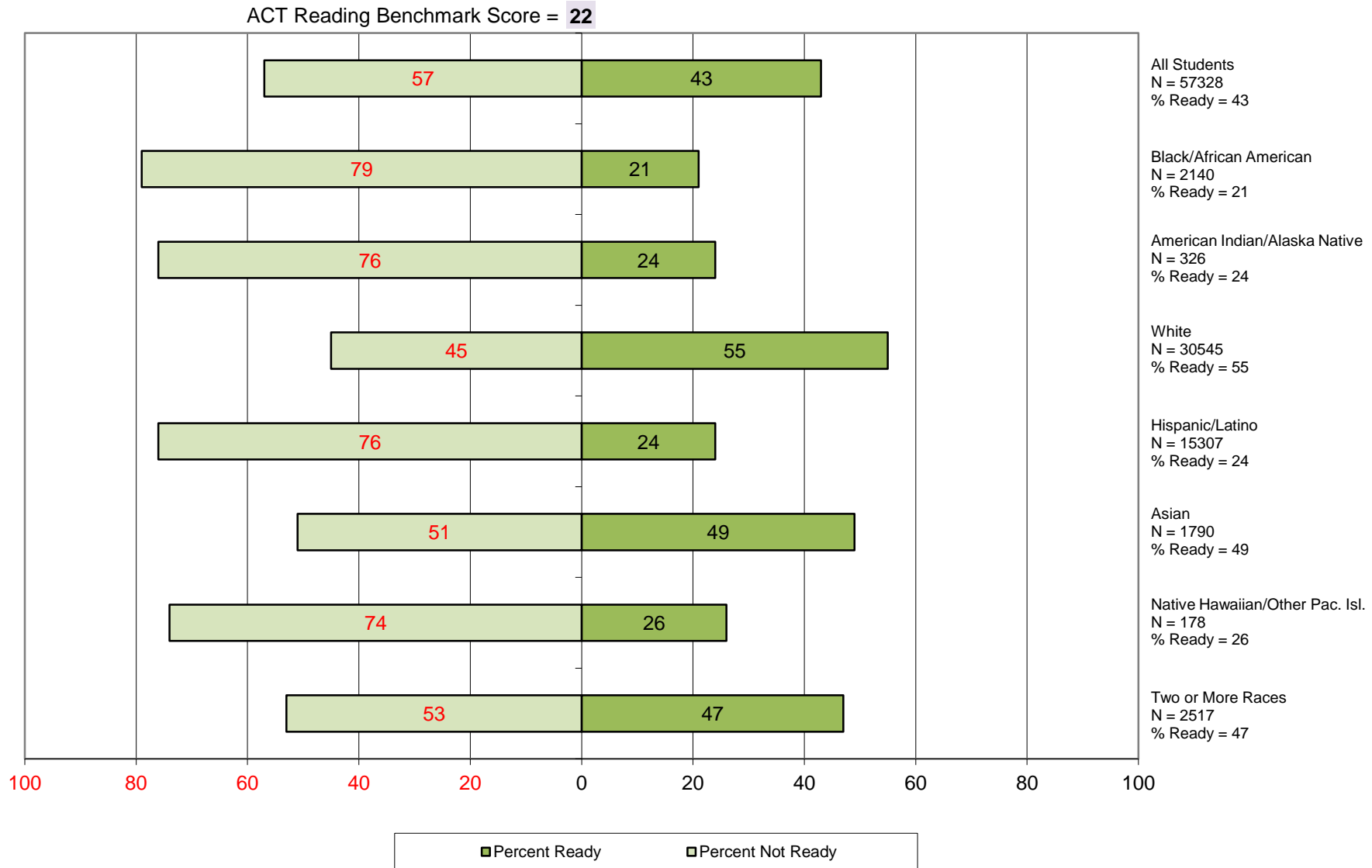


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

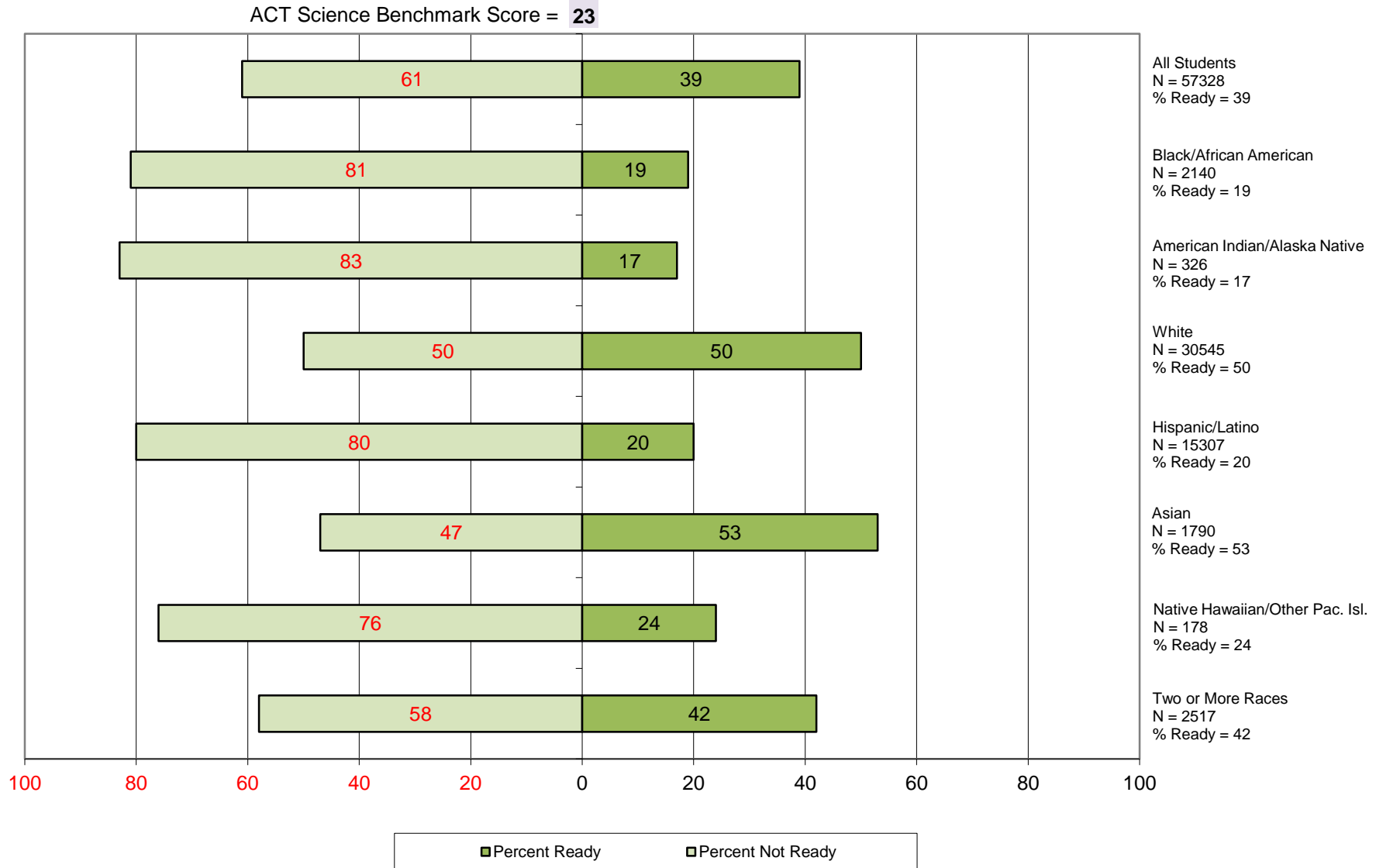
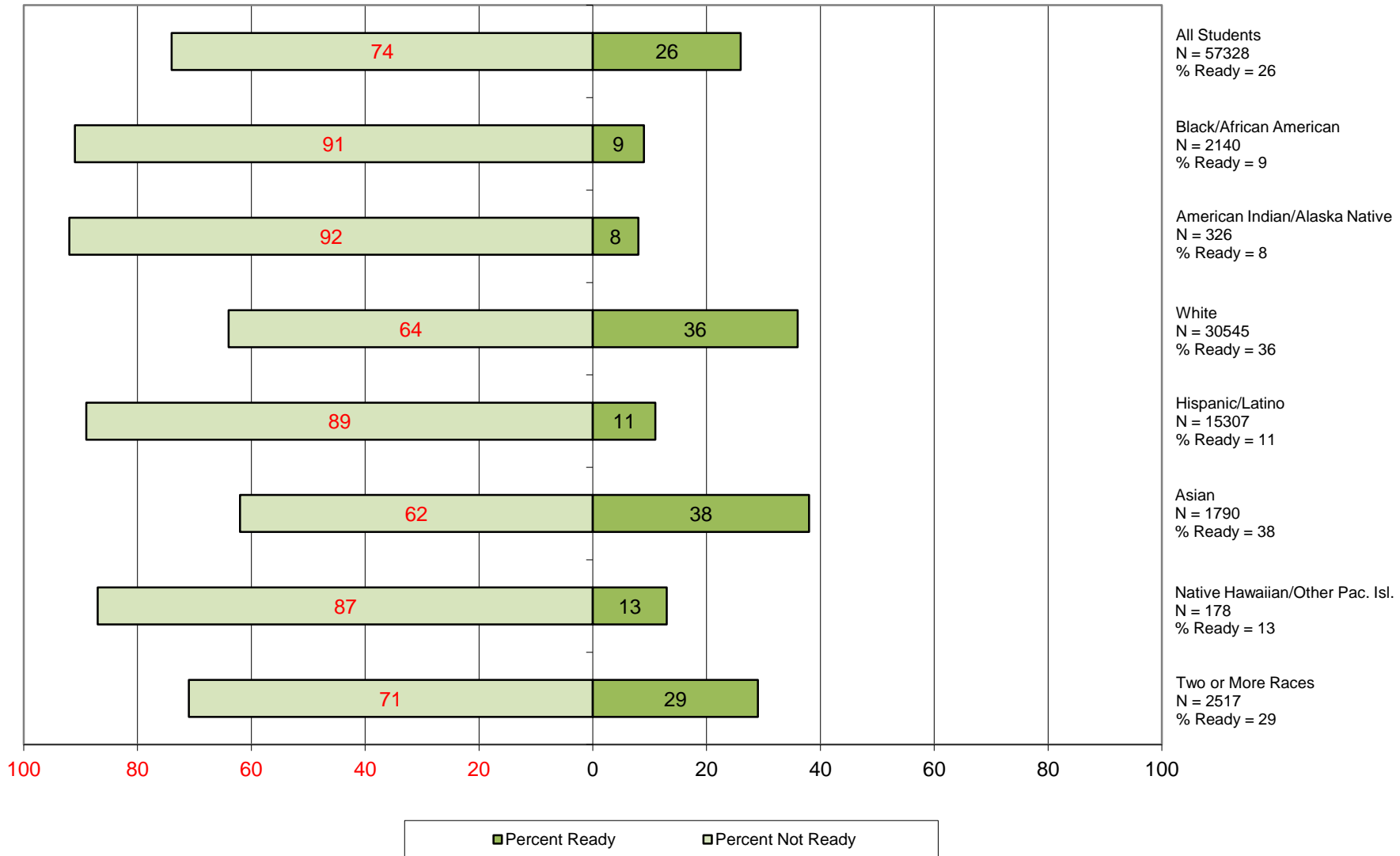


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 57,328

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 ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	10,778	19	22.0	5.6	4,742	17	21.4	5.2	6,028	21	22.5	5.7
Eng 9, Eng 10, Eng 11, Eng 12	33,908	59	21.0	4.6	16,947	59	20.6	4.4	16,929	59	21.5	4.7
Less than 4 years of English	5,666	10	16.4	-	3,164	11	16.2	-	2,487	9	16.8	-
Zero years / no English courses reported	6,976	12	16.3	-	3,648	13	15.9	-	3,236	11	16.9	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	3,836	7	23.8	7.6	1,898	7	24.2	7.9	1,937	7	23.4	7.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,179	11	22.1	5.9	2,466	9	22.5	6.2	3,709	13	21.8	5.7
Alg 1, Alg 2, Geom, & Trig	3,973	7	19.4	3.2	2,008	7	19.6	3.3	1,958	7	19.1	3.0
Alg 1, Alg 2, Geom, & Other Adv Math	7,931	14	19.4	3.2	3,382	12	19.7	3.4	4,543	16	19.2	3.1
Other comb of 4 or more years of Math	14,538	25	24.1	7.9	7,786	27	24.6	8.3	6,746	24	23.5	7.4
Alg 1, Alg 2, & Geom	6,853	12	17.0	0.8	3,564	13	17.1	0.8	3,276	11	16.8	0.7
Other comb of 3 or 3.5 years of Math	2,241	4	19.2	3.0	1,183	4	19.6	3.3	1,053	4	18.9	2.8
Less than 3 years of Math	4,397	8	16.2	-	2,339	8	16.3	-	2,047	7	16.1	-
Zero years / no Math courses reported	7,380	13	17.5	-	3,875	14	17.6	-	3,411	12	17.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	839	1	22.0	3.7	452	2	21.6	3.5	387	1	22.6	3.9
Other comb of 4 or more years Social Science	26,734	47	22.5	4.2	12,448	44	22.1	4.0	14,265	50	22.7	4.0
US Hist, World Hist, & Am Gov	2,021	4	19.1	0.8	1,173	4	18.7	0.6	843	3	19.7	1.0
Other comb of 3 or 3.5 years of Social Science	14,598	25	21.3	3.0	7,301	26	20.9	2.8	7,283	25	21.8	3.1
Less than 3 years of Social Science	5,911	10	18.3	-	3,320	12	18.1	-	2,577	9	18.7	-
Zero years / no Social Science courses reported	7,225	13	17.7	-	3,807	13	17.2	-	3,325	12	18.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	19,840	35	22.4	4.0	10,555	37	22.9	4.7	9,267	32	21.8	3.1
Bio, Chem, Phys	4,329	8	24.2	5.8	2,239	8	24.7	6.5	2,086	7	23.6	4.9
Gen Sci ² , Bio, Chem	15,249	27	20.7	2.3	6,429	23	20.6	2.4	8,804	31	20.8	2.1
Other comb of 3 years of Natural Science	2,255	4	20.2	1.8	1,344	5	20.8	2.6	909	3	19.4	0.7
Less than 3 years of Natural Science	8,317	15	18.4	-	4,083	14	18.2	-	4,221	15	18.7	-
Zero years / no Natural Science courses reported	7,338	13	17.7	-	3,851	14	17.8	-	3,393	12	17.7	-

¹Course 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.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 57,328

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
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	10,778	19	22.0	74	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	33,908	59	21.0	68	1,359,318	71	20.6	65
Less than 4 years of English	5,666	10	16.4	40	93,944	5	15.9	36
Zero years / no English courses reported	6,976	12	16.3	38	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	3,836	7	23.8	68	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,179	11	22.1	58	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	3,973	7	19.4	31	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	7,931	14	19.4	30	362,476	19	19.4	30
Other comb of 4 or more years of Math	14,538	25	24.1	68	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	6,853	12	17.0	10	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	2,241	4	19.2	30	95,502	5	19.8	34
Less than 3 years of Math	4,397	8	16.2	7	78,951	4	16.3	8
Zero years / no Math courses reported	7,380	13	17.5	17	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	839	1	22.0	48	48,944	3	22.3	51
Other comb of 4 or more years Social Science	26,734	47	22.5	53	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	2,021	4	19.1	29	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	14,598	25	21.3	44	527,956	27	21.4	46
Less than 3 years of Social Science	5,911	10	18.3	25	194,720	10	19.5	34
Zero years / no Social Science courses reported	7,225	13	17.7	22	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	19,840	35	22.4	51	807,744	42	22.2	48
Bio, Chem, Phys	4,329	8	24.2	64	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	15,249	27	20.7	37	512,754	27	20.1	30
Other comb of 3 years of Natural Science	2,255	4	20.2	34	54,439	3	19.1	24
Less than 3 years of Natural Science	8,317	15	18.4	21	227,926	12	18.1	18
Zero years / no Natural Science courses reported	7,338	13	17.7	19	103,680	5	18.0	20

¹Includes 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: 57,328

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 ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	946	2	19.5	187	4	16.5	701	2	20.5
Architecture	607	1	21.0	33	1	16.9	549	1	21.4
Area, Ethnic, & Multidisciplinary Studies	92	0	21.3	9	0	16.4	78	0	22.0
Arts: Visual & Performing	4,694	8	20.4	630	12	16.8	3,730	9	21.2
Business	5,011	9	21.6	445	9	17.0	4,398	11	22.1
Communications	927	2	22.3	40	1	16.2	854	2	22.7
Community, Family, & Personal Services	2,385	4	18.0	544	11	16.7	1,627	4	18.6
Computer Science & Mathematics	1,479	3	23.4	106	2	18.1	1,302	3	24.0
Education	2,025	4	21.1	100	2	15.9	1,854	5	21.4
Engineering	4,608	8	24.2	262	5	16.5	4,138	10	24.9
Engineering Technology & Drafting	810	1	20.5	163	3	16.4	598	1	21.8
English & Foreign Languages	746	1	23.7	46	1	18.4	663	2	24.1
Health Administration & Assisting	1,114	2	17.8	163	3	15.7	874	2	18.3
Health Sciences & Technologies	7,947	14	21.1	501	10	16.9	7,128	17	21.5
Philosophy, Religion, & Theology	302	1	21.4	19	0	17.6	255	1	21.8
Repair, Production, & Construction	1,183	2	17.3	535	11	16.6	512	1	18.4
Sciences: Biological & Physical	3,073	5	24.1	59	1	17.1	2,901	7	24.3
Social Sciences & Law	4,154	7	21.8	168	3	16.5	3,803	9	22.2
Undecided	5,070	9	21.6	443	9	16.8	3,860	9	22.5
No Response	9,853	17	17.4	503	10	15.0	845	2	17.6

¹2-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.

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

Total Students in Report: 57,328

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	1,546	16.3	58	14.8	17	15.5	707	17.4	533	15.0
2-yr College Degree	3,529	16.6	120	14.6	28	15.8	1,574	17.7	1,350	15.5
Bachelors Degree	23,568	20.8	867	17.5	134	18.6	13,604	22.1	5,946	18.4
Graduate Study	7,769	24.3	256	20.2	25	20.2	5,000	25.4	1,344	21.0
Prof. Level Degree	9,480	23.3	428	20.0	29	19.9	5,054	24.8	2,333	20.3
Other	1,612	17.3	56	14.7	20	14.9	766	18.3	462	15.8
No Response	9,824	18.0	355	15.6	73	15.7	3,840	19.9	3,339	16.3

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	1,546	16.3	29	16.8	5	18.0	50	17.1	147	15.8
2-yr College Degree	3,529	16.6	30	16.9	17	17.1	132	17.1	278	16.5
Bachelors Degree	23,568	20.8	596	21.1	72	18.6	1,045	21.0	1,304	19.9
Graduate Study	7,769	24.3	320	25.2	23	21.2	369	24.2	432	23.6
Prof. Level Degree	9,480	23.3	563	25.2	24	21.1	492	23.6	557	23.2
Other	1,612	17.3	41	18.6	5	17.2	71	18.5	191	17.0
No Response	9,824	18.0	211	18.4	32	16.5	358	18.9	1,616	17.6

Total Students in Report: 57,328

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
UNIV OF COLORADO-BOULDER	Colorado	12,607	4,558	8,049	1	9	21	27	24	14	3
COLORADO STATE UNIVERSITY	Colorado	11,017	3,976	7,041	1	8	22	31	25	12	1
UNIV OF NORTHERN COLORADO	Colorado	5,786	1,681	4,105	2	12	30	31	18	7	1
UNIV OF COLORADO-COLORADO SPRINGS	Colorado	4,968	1,399	3,569	2	10	28	32	20	8	1
UNIVERSITY OF COLORADO DENVER	Colorado	4,819	1,127	3,692	2	14	28	28	20	8	1
METROPOLITAN STATE UNIV OF DENVER	Colorado	4,750	1,614	3,136	3	22	37	25	10	2	0
UNIVERSITY OF DENVER	Colorado	4,221	896	3,325	2	13	24	26	20	13	2
COLORADO MESA UNIVERSITY	Colorado	3,673	1,350	2,323	2	14	34	30	15	5	0
STATE-NO COLLEGE PLANS	Iowa	2,981	2,981	0	12	36	31	14	5	2	0
COLORADO STATE UNIVERSITY-PUEBLO	Colorado	2,587	758	1,829	3	18	36	28	12	3	0
NCAA ELIGIBILITY CENTER	Indiana	2,555	1,261	1,294	2	14	25	30	19	9	2
COLORADO SCHOOL OF MINES	Colorado	2,402	859	1,543	1	3	8	17	30	33	9
ARIZONA STATE UNIVERSITY	Arizona	1,811	566	1,245	1	10	28	32	21	7	0
RED ROCKS COMMUNITY COLLEGE	Colorado	1,618	560	1,058	4	28	38	20	7	2	0
ADAMS STATE UNIVERSITY	Colorado	1,440	475	965	3	18	38	27	10	3	0
PIKES PEAK COMMUNITY COLLEGE	Colorado	1,407	562	845	4	23	39	23	8	3	0
UNIVERSITY OF WYOMING	Wyoming	1,385	385	1,000	0	5	20	32	28	13	1
COMMUNITY COLLEGE OF DENVER	Colorado	1,357	351	1,006	9	39	34	13	4	1	0
ART INSTITUTE OF COLORADO THE	Colorado	1,333	486	847	4	21	38	26	10	2	0
REGIS UNIVERSITY	Colorado	1,164	251	913	1	14	28	28	20	8	1
WESTERN STATE COLORADO UNIVERSITY	Colorado	1,115	339	776	2	13	32	32	17	4	0
ARAPAHOE COMMUNITY COLLEGE	Colorado	1,065	476	589	6	26	33	23	10	3	0
FORT LEWIS COLLEGE	Colorado	1,049	346	703	1	9	31	35	18	6	0
COLORADO COLLEGE	Colorado	999	258	741	3	13	23	25	17	15	3
FRONT RANGE COMMUNITY COLLEGE	Colorado	985	416	569	7	28	38	20	6	1	0
AIMS COMMUNITY COLLEGE	Colorado	968	468	500	9	35	32	17	6	2	0
UNIVERSITY OF ARIZONA	Arizona	895	214	681	1	8	19	33	26	12	1
COLORADO CHRISTIAN UNIVERSITY	Colorado	857	271	586	2	10	27	31	21	9	1
FRONT RANGE COMMUNITY COLL/LARIMER CMP	Colorado	854	312	542	4	23	33	26	12	3	0
COMMUNITY COLLEGE OF AURORA	Colorado	835	270	565	8	36	35	14	5	2	0
All Other Institutions		59,308	15,138	44,170	3	14	23	23	19	14	3
Total		142,811	44,604	98,207	3	14	26	26	19	11	2

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: 57,328

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
All Students	9,238	1,108,908	25.8	21.0	7.9	6.9	24.6	20.2
Black/African American	354	136,380	21.0	16.3	7.2	6.0	20.5	15.9
American Indian/Alaska Native	22	7,142	21.1	16.5	7.0	5.9	20.5	16.0
White	5,874	567,060	26.9	22.8	8.0	7.1	25.5	21.8
Hispanic/Latino	1,444	196,970	22.3	18.4	7.5	6.7	21.8	18.1
Asian	563	68,736	26.1	23.9	8.1	7.6	25.1	23.0
Native Hawaiian/Other Pac. Isl.	17	4,070	21.3	18.0	7.0	6.5	20.5	17.6
Two or more races	442	45,517	26.3	21.3	7.9	6.9	25.1	20.4
Prefer not/No Response	522	83,033	26.0	20.8	7.7	6.7	24.7	19.9
Males	3,865	507,737	25.6	20.7	7.7	6.6	24.3	19.7
Females	5,371	590,537	25.9	21.4	8.0	7.1	24.9	20.8
Missing	2	10,634	18.0	16.0	7.0	5.6	18.0	15.4

