ACT Profile Report - State

Graduating Class 2013 Colorado



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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.

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

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: 56,027 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. 61% 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 9% of the cohort took less than three years of math courses. Of these students, 6% were college ready. 13% 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 16% of the cohort took less than three years of natural science courses. 18% of these students were college ready. In comparison, 42% 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 51% 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.

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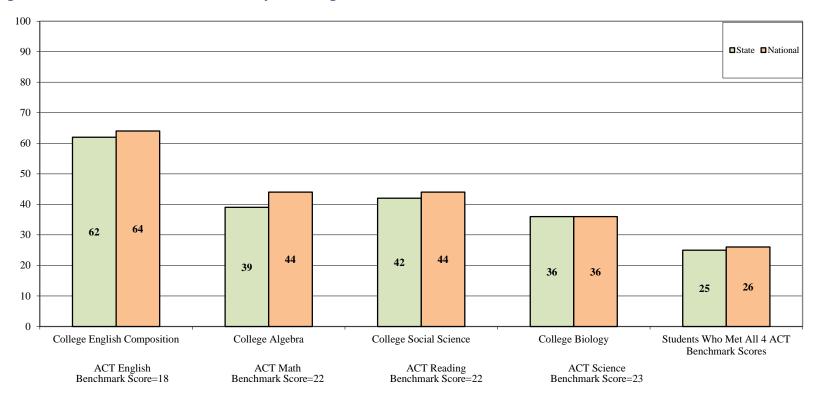
Total Students in Report: 56,027

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.

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

	Number of	of Students	Percent Who Met Benchmarks											
	Te	sted	En	glish	Mathe	ematics	Reading		Sci	ience	Met All Four			
Year	State	National	State	National	State	National	State	National	State	National	State	National		
2009	51,087	1,480,469	64	67	39	42	51	53	28	28	22	23		
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		

Table 1.2. Five Year Trends—Average ACT Scores

	Number o	f Students		Average ACT Scores										
	Te	sted	En	glish	Mathematics		Reading		Science		Composite			
Year	State	National	State	National	State	National	State	State National		National	State	National		
2009	51,087	1,480,469	20.1	20.6	20.5	21.0	21.1	21.4	20.8	20.9	20.8	21.1		
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		

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

	Number of Students	Average ACT Scores										
Year	Tested	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						
2013	1,799,243	20.2	20.9	21.1	20.7	20.9						

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Total Students in Report: 56,027

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

									Average A	ACT Scores				
		f Students sted	Perc	cent ²	Eng	glish	Mathe	ematics	Rea	nding	Sci	ence	Composite	
	Core or	Less than	Core or	Less than	Core or	Less than	Core or	Less than	Core or	Less than	Core or	Less than	Core or	Less than
Year	More ¹	Core	More	Core	More	Core	More	Core	More	Core	More	Core	More	Core
2009	30,390	16,169	59	32	21.9	17.8	22.1	18.4	22.7	19.0	22.2	19.0	22.4	18.7
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

^{1&}quot;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 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	20	2009			010		2011			2012			2013		
	Ν	%	Avg	Ν	%	Avg	Ν	%	Avg	N	%	Avg	N	%	Avg
All Students	51,087	100	20.8	52,115	100	20.6	52,930	100	20.7	53,071	100	20.6	56,027	100	20.4
Black/African American	2,003	4	17.7	2,289	4	17.4	2,275	4	17.4	2,059	4	17.3	2,168	4	17.3
American Indian/Alaska Native	916	2	18.1	556	1	18.8	562	1	18.7	401	1	17.9	415	1	16.9
White	28,835	56	22.2	31,165	60	22.1	30,493	58	22.3	29,884	56	22.2	30,951	55	22.0
Hispanic/Latino	7,992	16	17.6	8,997	17	17.2	10,520	20	17.4	13,290	25	17.6	14,198	25	17.7
Asian	1,676	3	21.6	1,702	3	21.7	1,656	3	21.7	1,612	3	21.6	1,687	3	21.9
Native Hawaiian/Other Pacific Islander	0	0		0	0		39	0	19.3	170	0	19.8	196	0	18.6
Two or more races	2,168	4	20.7	2,495	5	20.2	2,504	5	20.6	2,116	4	21.2	2,246	4	21.2
Prefer not to respond/No response	7,497	15	19.4	4,911	9	19.2	4,881	9	19.2	3,539	7	19.8	4,166	7	19.3

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

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			Average ACT Scores								
Student Group	Duration	N	Percent	English	Mathematics	Reading	Science	Composite				
	Standard Time	52,940	94	20.2	20.6	20.7	20.7	20.7				
State	Extended Time	3,087	6	14.7	16.8	16.6	17.0	16.4				
	Total	56,027	100	19.9	20.4	20.5	20.5	20.4				
	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0				
National	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		Per	cent of Stude	ents	Met	
Student Group	Duration	English	Mathematics	Reading	Science	All Four	
	Standard Time	64	41	43	37	26	
State	Extended Time	30	14	21	15	9	
	Total	62	39	42	36	25	
	Standard Time	65	45	45	37	27	
National	Extended Time	35	20	28	20	13	
	Total	64	44	44	36	26	

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Total Students in Report: 56,027

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.

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Total Students in Report: 56,027

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

ACT Scale	Enç	jlish	Mathe	matics	Rea	ding	Scie	ence	Comp	oosite	ACT Scale
Score	N	CP	N	СР	N	CP	N	СР	N	CP	Score
36	163	100	136	100	458	100	217	100	35	100	36
35	564	100	243	100	181	99	334	100	175	100	35
34	640	99	569	99	878	99	200	99	290	100	34
33	801	98	402	98	1,089	97	369	99	474	99	33
32	661	96	475	98	1,240	95	561	98	629	98	32
31	1,089	95	515	97	1,568	93	727	97	823	97	31
30	941	93	708	96	1,300	90	912	96	1,108	96	30
29	952	91	883	95	741	88	1,037	94	1,344	94	29
28	1,766	90	1,547	93	1,466	87	1,138	92	1,583	91	28
27	1,615	86	2,118	90	1,596	84	1,503	90	1,874	88	27
26	2,170	84	2,700	86	1,634	81	2,556	88	2,248	85	26
25	2,416	80	2,813	82	1,792	78	2,692	83	2,620	81	25
24	3,120	75	3,065	77	3,617	75	4,071	78	3,021	76	24
23	2,694	70	3,330	71	2,275	69	3,744	71	3,280	71	23
22	3,367	65	2,626	65	3,661	65	3,004	64	3,427	65	22
21	3,578	59	2,656	61	3,084	58	4,790	59	3,636	59	21
20	3,653	53	2,506	56	3,853	53	4,209	50	3,599	53	20
19	2,351	46	2,989	51	2,618	46	4,452	43	3,670	46	19
18	2,272	42	3,107	46	2,548	41	3,034	35	3,527	40	18
17	2,153	38	5,027	40	3,471	36	2,334	29	3,395	33	17
16	3,144	34	6,738	31	2,209	30	3,951	25	3,305	27	16
15	3,075	28	6,088	19	3,427	26	2,281	18	3,149	21	15
14	2,188	23	3,166	9	2,094	20	1,917	14	3,024	16	14
13	1,964	19	1,034	3	2,889	16	1,734	11	2,720	10	13
12	1,786	16	452	1	2,699	11	1,441	8	1,951	5	12
11	2,379	12	69	1	1,345	6	1,817	5	869	2	11
10	1,931	8	39	1	1,337	4	523	2	192	1	10
9	1,051	5	13	1	444	2	294	1	41	1	9
8	991	3	6	1	262	1	120	1	9	1	8
7	390	1	2	1	136	1	26	1	6	1	7
6	109	1	2	1	72	1	27	1	0	1	6
5	29	1	1	1	7	1	1	1	2	1	5
4	16	1	1	1	19	1	7	1	0	1	4
3	5	1	0	1	12	1	3	1	1	1	3
2	2	1	0	1	4	1	0	1	0	1	2
1	1	1	1	1	1	1	1	1	0	1	1
Avg (SD)	19.9	(6.6)	20.4	(5.2)	20.5	(6.5)	20.5	(5.4)	20.4	(5.4)	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.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subscore Averages

		Engl	lish			Rea	ding				Mathem	atics			
ACT Scale	Usage/ Med	chanics	Rhetorica	l Skills	Social St Science		Arts/ Lite	rature	Pre/Elem Algeb		Algebra/ Co Geom		Plane Geo Trigonor		ACT Scale
Score	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	Score
18	1,546	100	996	100	1,575	100	1,595	100	1,584	100	406	100	519	100	18
17	2,316	97	384	98	2,468	97	2,575	97	1,961	97	684	99	103	99	17
16	1,919	93	2,832	98	2,707	93	3,213	93	2,061	94	1,066	98	1,517	99	16
15	2,754	90	3,665	92	2,798	88	3,338	87	2,831	90	2,276	96	3,055	96	15
14	2,486	85	3,962	86	3,069	83	1,660	81	2,831	85	2,956	92	4,176	91	14
13	3,628	80	4,549	79	3,702	77	3,717	78	5,127	80	5,325	87	4,994	83	13
12	2,960	74	5,381	71	6,708	71	3,868	71	3,738	71	5,522	77	5,371	74	12
11	4,939	69	5,937	61	4,514	59	6,661	64	4,148	64	7,742	67	7,118	65	11
10	6,391	60	4,829	51	4,699	51	4,382	52	5,526	57	6,680	54	5,709	52	10
9	4,683	48	6,413	42	4,660	42	4,143	45	3,366	47	6,612	42	10,004	42	9
8	4,147	40	4,528	30	6,641	34	4,206	37	5,995	41	9,532	30	5,374	24	8
7	5,529	33	3,872	22	3,963	22	3,560	30	7,843	30	1,542	13	4,071	14	7
6	3,715	23	2,161	15	3,241	15	5,517	23	4,633	16	2,948	10	514	7	6
5	4,368	16	2,948	12	3,447	9	2,950	14	3,100	8	526	5	2,094	6	5
4	2,370	8	2,141	6	1,093	3	3,333	8	841	2	1,383	4	282	3	4
3	1,737	4	1,189	3	503	1	802	2	298	1	680	1	841	2	3
2	470	1	208	1	185	1	486	1	122	1	3	1	142	1	2
1	69	1	32	1	54	1	21	1	22	1	144	1	143	1	1
Avg (SD)	9.8 (4.	0)	10.3 (3	3.6)	10.5 (3	3.7)	10.2 (4	4.0)	10.2 (3	3.7)	10.2 (3	3.0)	10.4 (3	5.0)	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)	24	24	24	24	24
Q2 (50th Percentile)	20	19	20	20	20
Q1 (25th Percentile)	15	16	15	16	16

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student		Number of Students	Percent Taking	Average ACT C	omposite Score
Group	Race/Ethnicity	Tested	Core or More ¹	Core or More	Less Than Core
	All Students	56,027	61	22.1	18.1
	Black/African American	2,168	56	18.4	16.1
	American Indian/Alaska Native	415	40	19.2	16.0
	White	30,951	68	23.3	19.4
State	Hispanic/Latino	14,198	51	19.2	16.4
	Asian	1,687	71	23.3	18.9
	Native Hawaiian/Other Pac. Isl.	196	54	20.0	17.2
	Two or more races	2,246	64	22.3	19.3
	Prefer not/No Response	4,166	47	21.8	17.4
	All Students	1,799,243	74	21.7	18.7
	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
National	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

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
	All Students	19.9	20.4	20.5	20.5	20.4
	Black/African American	16.4	17.5	17.2	17.6	17.3
	American Indian/Alaska Native	15.8	17.4	16.8	17.3	16.9
	White	21.8	21.6	22.2	21.9	22.0
State	Hispanic/Latino	16.7	18.0	17.5	18.1	17.7
	Asian	21.0	22.9	21.0	22.1	21.9
	Native Hawaiian/Other Pac. Isl.	18.1	18.8	18.3	18.8	18.6
	Two or more races	20.9	20.8	21.4	21.1	21.2
	Prefer not/No Response	18.7	19.4	19.4	19.4	19.3
	All Students	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
National	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

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student	CRS		llish		matics	Rea	ding	Scie	ence
Group	Range	N	%	N	%	N	%	N	%
	33 to 36	2,168	4	1,350	2	2,606	5	1,120	2
	28 to 32	5,409	10	4,128	7	6,315	11	4,375	8
	24 to 27	9,321	17	10,696	19	8,639	15	10,822	19
State	20 to 23	13,292	24	11,118	20	12,873	23	15,747	28
	16 to 19	9,920	18	17,861	32	10,846	19	13,771	25
	13 to 15	7,227	13	10,288	18	8,410	15	5,932	11
	01 to 12	8,690	16	586	1	6,338	11	4,260	8
	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
National	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			Average ACT Scores							
Student Group	Gender	N	Percent	English	Mathematics	Reading	Science	Composite			
	Males	28,078	50	19.4	20.7	19.9	20.6	20.3			
State	Females	27,868	50	20.5	20.1	21.0	20.4	20.6			
	Missing	81	0	14.5	16.7	15.8	15.5	15.8			
	Males	835,431	46	19.8	21.4	20.9	21.2	20.9			
National	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								
Student Group	Gender	English	Mathematics	Reading	Science	All Four					
State	Males	59	42	39	37	25					
State	Females	66	37	45	34	24					
National	Males	62	47	43	40	29					
National	Females	67	41	45	33	24					

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

Student	Curriculum		Eng	lish	Mathe	matics	Rea	ding	Scie	ence	Comp	osite
Group	Taken ¹	N	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
	Core or More ²	34,247	75	21.8	52	21.9	52	22.1	47	22.1	33	22.1
State	Less than Core	15,781	45	17.3	21	18.2	27	18.2	19	18.3	11	18.1
	Missing ³	5,999	36	15.9	18	17.6	22	16.9	16	17.3	10	17.0
	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
National	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

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

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

Student	Curriculum		English		Mathematics				Reading			Science		
Group	Taken ¹	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	
	Core or More ²	44,714	68	20.9	45,365	46	21.2	44,478	47	21.3	41,680	42	21.5	
State	Less than Core	6,236	38	16.1	5,190	6	16.1	6,177	23	17.4	8,921	18	18.0	
	Missing ³	5,077	37	16.1	5,472	18	17.6	5,372	23	17.1	5,426	17	17.5	
	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	
National	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	

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 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.

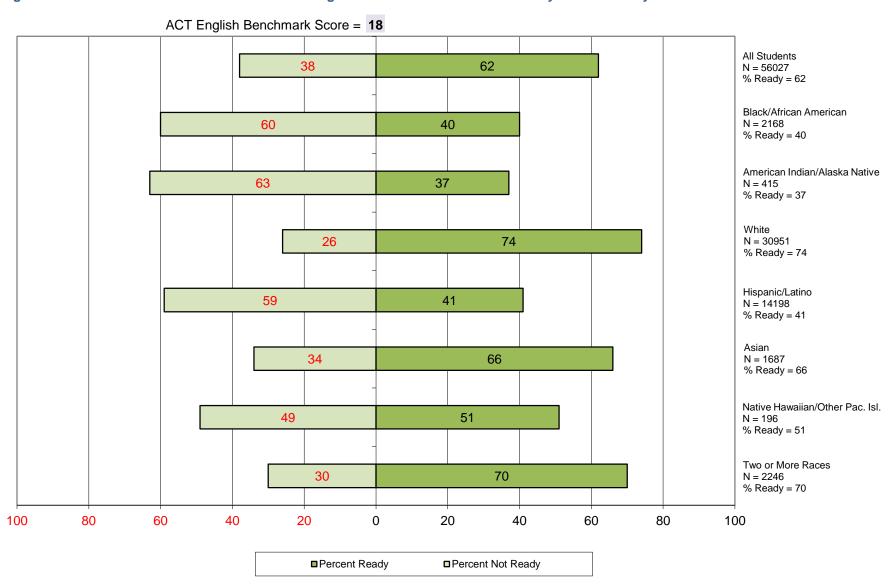
² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively. For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses 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



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

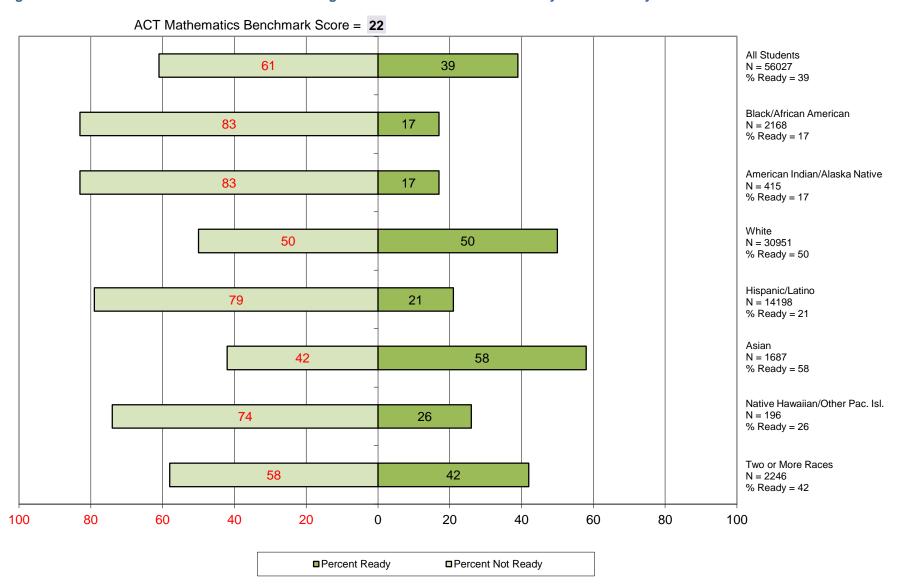


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

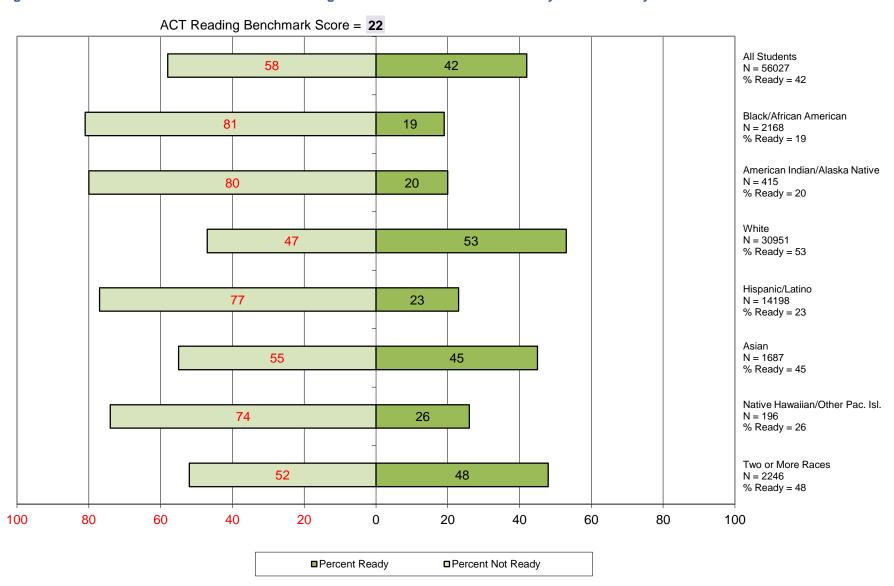


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

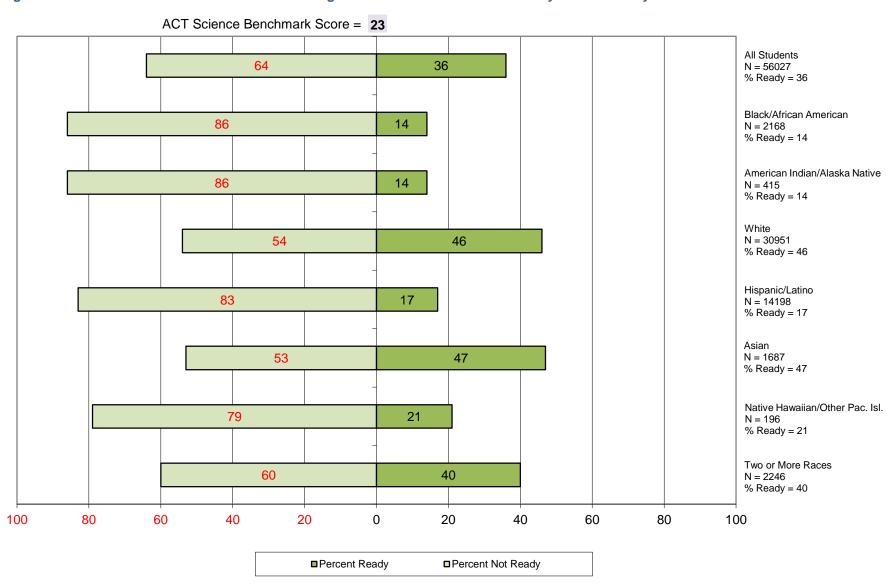
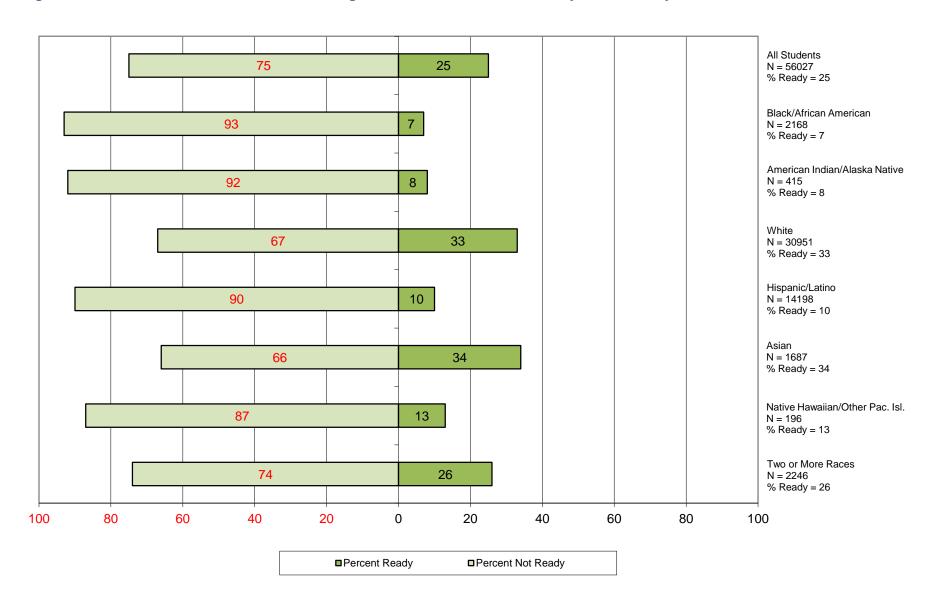


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



able 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns												
Course Pattern		All	Students				Males			F	emales	
			ACT	Course Value			ACT	Course Value			ACT	Course Value
ENGLISH COURSE PATTERN	N	Percent	English	Added ¹	N	Percent	English	Added ¹	N	Percent	English	Added ¹
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	11,667	21	21.6	5.5	5,148	18	21.1	5.3	6,512	23	22.0	5.4
Eng 9, Eng 10, Eng 11, Eng 12	33,047	59	20.6	4.5	16,659	59	20.2	4.4	16,363	59	21.1	4.5
Less than 4 years of English	6,236	11	16.1	-	3,483	12	15.8	=	2,741	10	16.6	-
Zero years / no English courses reported	5,077	9	16.1	-	2,788	10	15.7	-	2,252	8	16.6	-
			ACT	Course Value			ACT	Course Value			ACT	Course Value
MATHEMATICS COURSE PATTERN	N	Percent	Math	Added ¹	N	Percent	Math	Added ¹	N	Percent	Math	Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	3,644	7	24.0	7.9	1,776	6	24.6	8.4	1,867	7	23.4	7.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,953	11	22.2	6.1	2,448	9	22.7	6.5	3,505	13	22.0	6.0
Alg 1, Alg 2, Geom, & Trig	4,033	7	19.7	3.6	1,969	7	20.0	3.8	2,062	7	19.4	3.4
Alg 1, Alg 2, Geom, & Other Adv Math	7,897	14	19.6	3.5	3,417	12	19.9	3.7	4,475	16	19.3	3.3
Other comb of 4 or more years of Math	14,140	25	23.8	7.7	7,553	27	24.3	8.1	6,577	24	23.2	7.2
Alg 1, Alg 2, & Geom	7,371	13	17.2	1.1	3,819	14	17.4	1.2	3,539	13	17.0	1.0
Other comb of 3 or 3.5 years of Math	2,327	4	19.1	3.0	1,198	4	19.5	3.3	1,127	4	18.7	2.7
Less than 3 years of Math	5,190	9	16.1	-	2,881	10	16.2	-	2,300	8	16.0	-
Zero years / no Math courses reported	5,472	10	17.6	-	3,017	11	17.7	-	2,416	9	17.5	-
			ACT	Course Value			ACT	Course Value			ACT	Course Value
SOCIAL SCIENCE COURSE PATTERN	N	Percent	Reading	Added ¹	N	Percent	Reading	Added ¹	N	Percent	Reading	Added ¹
US Hist, World Hist, Am Gov, & Other Hist	881	2	21.6	4.2	482	2	20.7	3.9	399	1	22.7	4.6
Other comb of 4 or more years Social Science	26,915	48	21.9	4.5	12,717	45	21.5	4.7	14,181	51	22.2	4.1
US Hist, World Hist, & Am Gov	1,991	4	18.8	1.4	1,110	4	18.3	1.5	876	3	19.4	1.3
Other comb of 3 or 3.5 years of Social Science	14,691	26	20.6	3.2	7,289	26	20.2	3.4	7,394	27	21.0	2.9
Less than 3 years of Social Science	6,177	11	17.4	-	3,510	13	16.8	-	2,654	10	18.1	-
Zero years / no Social Science courses reported	5,372	10	17.1	-	2,970	11	16.7	-	2,364	8	17.5	-
			ACT	Course Value			ACT	Course Value			ACT	Course Value
NATURAL SCIENCE COURSE PATTERN	N	Percent	Science	Added ¹	N	Percent	Science	Added ¹	N	Percent	Science	Added ¹
Gen Sci ² , Bio, Chem, & Phys	19,677	35	22.0	4.0	10,608	38	22.5	4.9	9,051	32	21.5	3.2
Bio, Chem, Phys	3,192	6	24.4	6.4	1,697	6	24.8	7.2	1,493	5	23.8	5.5
Gen Sci ² , Bio, Chem	16,390	29	20.4	2.4	6,814	24	20.2	2.6	9,566	34	20.6	2.3
Other comb of 3 years of Natural Science	2,421	4	20.4	2.0	1,427	5	20.2	2.6	990	4	19.7	1.4
Less than 3 years of Natural Science	8,921	16	18.0		4,527	16	17.6	-	4,385	16	18.3	-
Zero years / no Natural Science courses reported	5,426	10	17.5	_	3,005	11	17.4	<u>-</u>	2,383	9	17.6	-
Zoro yours / no reatural ocionoc courses reported	0,720	10	17.0		5,005		17.7	_	2,000	J	17.0	

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.

Table 3.2. College Readiness Percents by Common Course Patterns

Table 3.2. College Readiness Percents by Common Course Patterns												
Course Pattern			State			1	National					
ENGLISH COURSE PATTERN	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	11,667	21	21.6	73	380,375	21	21.6	73				
Eng 9, Eng 10, Eng 11, Eng 12	33,047	59	20.6	67	1,265,911	70	20.3	65				
Less than 4 years of English	6,236	11	16.1	38	84,048	5	15.9	36				
Zero years / no English courses reported	5,077	9	16.1	37	68,909	4	16.4	38				
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark				
Alg 1, Alg 2, Geom, Trig, & Calc	3,644	7	24.0	70	113,999	6	23.8	68				
Alg 1, Alg 2, Geom, Trig, & Calc Alg 1, Alg 2, Geom, Trig, & Other Adv Math	-	11	24.0	60	155,095	9	23.6 21.9	56				
	5,953		22.2 19.7	33	,	_	_	32				
Alg 1, Alg 2, Geom, & Trig Alg 1, Alg 2, Geom, & Other Adv Math	4,033 7,897	7 14	19.7	33	119,993 336,291	7 19	19.4 19.6	32				
Other comb of 4 or more years of Math	14,140	25	23.8	66	610,720	34	23.6	65				
Alg 1, Alg 2, & Geom	7,371	13	23.6 17.2	10	223,733	12	23.6 17.2	11				
Other comb of 3 or 3.5 years of Math	2,327	4	19.1	29	88,866	5	17.2	34				
Less than 3 years of Math	5,190	9	16.1	6	77,906	4	16.3	7				
Zero years / no Math courses reported	5,472	10	17.6	18	72,640	4	17.9	20				
Zero years / no main courses reported	5,472	10	17.0	10	72,040	7	17.9	20				
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark				
US Hist, World Hist, Am Gov, & Other Hist	881	2	21.6	49	50,989	3	22.2	51				
Other comb of 4 or more years Social Science	26,915	48	21.9	51	908,394	50	22.0	50				
US Hist, World Hist, & Am Gov	1,991	4	18.8	30	106,021	6	19.5	34				
Other comb of 3 or 3.5 years of Social Science	14,691	26	20.6	42	489,586	27	21.0	43				
Less than 3 years of Social Science	6,177	11	17.4	23	171,617	10	19.1	32				
Zero years / no Social Science courses reported	5,372	10	17.1	23	72,636	4	17.7	25				
		Percent Taking	Avg ACT	Percent Who Met		Percent Taking	Avg ACT	Percent Who Met				
NATURAL SCIENCE COURSE PATTERN	N	Pattern	Science	Benchmark	N	Pattern	Science	Benchmark				
Gen Sci ¹ , Bio, Chem, & Phys	19,677	35	22.0	47	767,293	43	21.9	46				
Bio, Chem, Phys	3,192	6	24.4	65	183,685	10	23.0	54				
Gen Sci ¹ , Bio, Chem	16,390	29	20.4	33	504,165	28	19.9	28				
Other comb of 3 years of Natural Science	2,421	4	20.0	31	51,822	3	19.1	25				
Less than 3 years of Natural Science	8,921	16	18.0	18	218,267	12	18.0	17				
Zero years / no Natural Science courses reported	5,426	10	17.5	17	74,011	4	17.8	18				

¹Includes General, Physical and Earth Sciences.

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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.

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

		All Students		Plan on 2	Years or Less	of College	Plan on 4	Years or More	of College
Planned Educational Major	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	969	2	19.3	185	4	16.3	711	2	20.2
Architecture	748	1	20.4	62	1	16.1	638	2	20.9
Area, Ethnic, & Multidisciplinary Studies	119	0	21.4	15	0	15.5	91	0	22.7
Arts: Visual & Performing	5,316	9	20.0	676	13	16.2	4,215	10	20.8
Business	4,654	8	21.1	451	9	17.0	4,000	10	21.6
Communications	968	2	21.5	63	1	16.8	861	2	22.0
Community, Family, & Personal Services	2,491	4	17.9	597	12	16.5	1,683	4	18.6
Computer Science & Mathematics	1,112	2	22.5	88	2	17.3	964	2	23.1
Education	2,143	4	20.8	110	2	15.8	1,943	5	21.1
Engineering	4,253	8	23.9	226	4	16.1	3,821	9	24.5
Engineering Technology & Drafting	925	2	19.5	210	4	15.9	658	2	20.9
English & Foreign Languages	832	1	23.7	36	1	18.7	749	2	24.0
Health Administration & Assisting	1,089	2	17.6	143	3	15.6	875	2	18.0
Health Sciences & Technologies	7,706	14	20.8	419	8	16.5	6,970	17	21.2
Philosophy, Religion, & Theology	297	1	21.6	15	0	16.9	250	1	22.1
Repair, Production, & Construction	1,196	2	17.4	533	11	16.5	538	1	18.6
Sciences: Biological & Physical	3,008	5	23.6	86	2	16.5	2,793	7	23.9
Social Sciences & Law	4,366	8	21.5	158	3	16.6	4,012	10	21.8
Undecided	5,442	10	21.0	469	9	16.5	4,090	10	22.0
No Response	8,085	14	17.3	404	8	14.3	741	2	16.7

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).

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Total Students in Report: 56,027

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree	All Racial/Ethnic Groups Combined		Black/Africa	an American	American India	n/ Alaska Native	WI	nite	Hispanic/Latino		
Aspirations	N	Average	N	Average	N	Average	N	Average	N	Average	
Voc-Tech	1,424	16.1	56	14.6	20	14.4	696	17.2	477	14.8	
2-yr College Degree	3,618	16.3	122	14.2	51	14.4	1,687	17.4	1,294	15.2	
Bachelors Degree	22,891	20.3	849	17.1	144	18.0	13,544	21.5	5,594	18.0	
Graduate Study	7,705	23.7	238	19.2	45	19.5	5,010	24.8	1,350	20.5	
Prof. Level Degree	10,176	23.0	501	19.2	45	19.0	5,691	24.4	2,263	19.9	
Other	1,672	17.3	45	15.5	17	15.9	864	18.3	477	15.7	
No Response	8,541	18.0	357	15.4	93	15.3	3,459	20.0	2,743	16.0	

Educational Degree	All Racial/Et	•		ian		lawaiian/ fic Islander	Two or more races		Prefer not to respond/ No Response	
Aspirations	N	Average	N	Average	N	N Average N		Average	N	Average
Voc-Tech	1,424	16.1	23	16.6	6	19.2	36	16.3	110	15.6
2-yr College Degree	3,618	16.3	48	15.5	17	14.0	127	17.8	272	15.8
Bachelors Degree	22,891	20.3	527	20.0	80	18.5	952	20.5	1,201	19.6
Graduate Study	7,705	23.7	310	24.4	23	23.3	309	23.8	420	23.3
Prof. Level Degree	10,176	23.0	532	24.3	28	20.2	462	23.5	654	22.8
Other	1,672	17.3	33	16.7	5	15.4	65	18.2	166	17.1
No Response	8,541	18.0	214	19.4	37	17.4	295	19.6	1,343	17.5

Graduating Class 2013

Table 4.3. Students' Score Report Preferences at Time of Testing											
						Percent of Students in					
			Number of Students				College Readiness Standards Ranges				
				2nd-6th							
Name	State	Total	1st Choice	Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
COLORADO STATE UNIVERSITY	Colorado	12,992	4,812	8,180	2	9	22	31	24	11	1
UNIV OF COLORADO-BOULDER	Colorado	11,942	4,094	7,848	3	9	19	28	25	13	2
STATE-COLLEGE/NO REPORTS NOW	Iowa	7,266	7,266	0	9	23	27	22	12	6	2
UNIV OF NORTHERN COLORADO	Colorado	5,847	1,605	4,242	2	11	29	34	18	6	0
METROPOLITAN STATE UNIV OF DENVER THE	Colorado	5,055	1,568	3,487	7	22	35	24	10	2	0
UNIVERSITY OF DENVER	Colorado	4,600	917	3,683	4	12	23	25	23	12	2
UNIV OF COLORADO-COLORADO SPRINGS	Colorado	3,985	1,089	2,896	2	11	26	33	20	7	0
COLORADO MESA UNIVERSITY	Colorado	3,599	1,210	2,389	3	15	33	31	14	4	0
UNIVERSITY OF COLORADO DENVER	Colorado	3,112	709	2,403	3	12	24	32	21	8	0
COLORADO SCHOOL OF MINES	Colorado	2,543	920	1,623	1	4	9	20	32	29	6
COLORADO STATE UNIVERSITY-PUEBLO	Colorado	2,527	657	1,870	4	19	38	27	10	2	0
NCAA ELIGIBILITY CENTER	Indiana	2,442	1,110	1,332	3	12	27	29	19	8	1
ART INSTITUTE OF COLORADO THE	Colorado	1,977	724	1,253	5	25	34	24	10	2	0
RED ROCKS COMMUNITY COLLEGE	Colorado	1,640	499	1,141	10	28	33	20	8	1	0
COMMUNITY COLLEGE OF DENVER	Colorado	1,577	319	1,258	15	37	32	12	3	1	0
FORT LEWIS COLLEGE	Colorado	1,571	485	1,086	3	13	30	30	19	5	1
ADAMS STATE UNIVERSITY	Colorado	1,515	471	1,044	4	21	37	24	12	2	0
REGIS UNIVERSITY	Colorado	1,489	311	1,178	4	16	26	28	19	7	0
ARIZONA STATE UNIVERSITY	Arizona	1,398	428	970	2	10	21	35	24	8	1
PIKES PEAK COMMUNITY COLLEGE	Colorado	1,354	518	836	6	24	35	24	8	2	0
ARAPAHOE COMMUNITY COLLEGE	Colorado	1,319	534	785	9	26	34	22	8	2	0
UNIVERSITY OF WYOMING	Wyoming	1,293	357	936	1	6	21	32	26	12	1
WESTERN STATE COLLEGE OF COLORADO	Colorado	1,275	294	981	4	14	34	32	12	4	0
STATE-NO COLLEGE PLANS	Iowa	1,256	1,256	0	23	35	27	12	3	1	0
UNITED STATES AIR FORCE ACADEMY	Colorado	1,169	348	821	6	17	21	21	20	12	2
COLORADO COLLEGE	Colorado	1,073	277	796	5	15	23	20	18	16	3
FRONT RANGE COMMUNITY COLLEGE	Colorado	999	330	669	9	27	36	20	6	1	0
AIMS COMMUNITY COLLEGE	Colorado	937	426	511	12	31	34	17	6	1	0
JOHNSON & WALES UNIVERSITY-DENVER	Colorado	910	293	617	6	25	34	24	9	2	0
COMMUNITY COLLEGE OF AURORA	Colorado	902	260	642	13	35	31	15	5	1	0
All Other Institutions		50,310	12,820	37,490	4	13	22	25	20	14	3
Total		139,874	46,907	92,967	4	14	25	26	19	10	2

Colorado

Graduating Class 2013

Total Students in Report: 56,027

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.

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing

			The state of the s							
			Average ACT Scores							
	N		English		Es	say	English/Writing Combined			
	State	National	State	National	State	National	State	National		
All Students	8,084	942,769	25.5	21.3	7.7	7.0	24.3	20.5		
Black/African American	297	114,751	20.9	16.3	7.1	6.1	20.3	16.0		
American Indian/Alaska Native	22	6,031	22.5	16.8	7.4	6.1	21.8	16.4		
White	5,233	518,407	26.5	22.9	7.9	7.2	25.1	21.9		
Hispanic/Latino	1,262	151,504	22.0	18.6	7.3	6.8	21.4	18.3		
Asian	442	54,580	26.2	23.5	8.0	7.6	25.1	22.7		
Native Hawaiian/Other Pac. Isl.	21	2,812	25.0	19.5	7.7	6.9	23.8	19.2		
Two or more races	356	35,355	25.9	21.5	7.7	7.0	24.6	20.6		
Prefer not/No Response	451	59,329	26.7	21.8	7.8	7.1	25.2	20.9		
Males	3,386	423,104	25.3	21.0	7.6	6.7	24.0	20.1		
Females	4,698	513,945	25.7	21.6	7.9	7.2	24.5	20.9		
Missing	0	5,720		16.6		6.3		16.5		