

# ACT Profile Report - State

Graduating Class 2011  
Colorado





## Table of Contents

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

This report provides information about the performance of your 2011 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 2011 and tested under standard time conditions.

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 meeting or exceeding 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 are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

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

## How to Improve Scores and Increase College Readiness

23% 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:** 52,930 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 10% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 14% 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. 12% of these students were college ready. In comparison, 34% 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 your regional office at 303-337-3273.

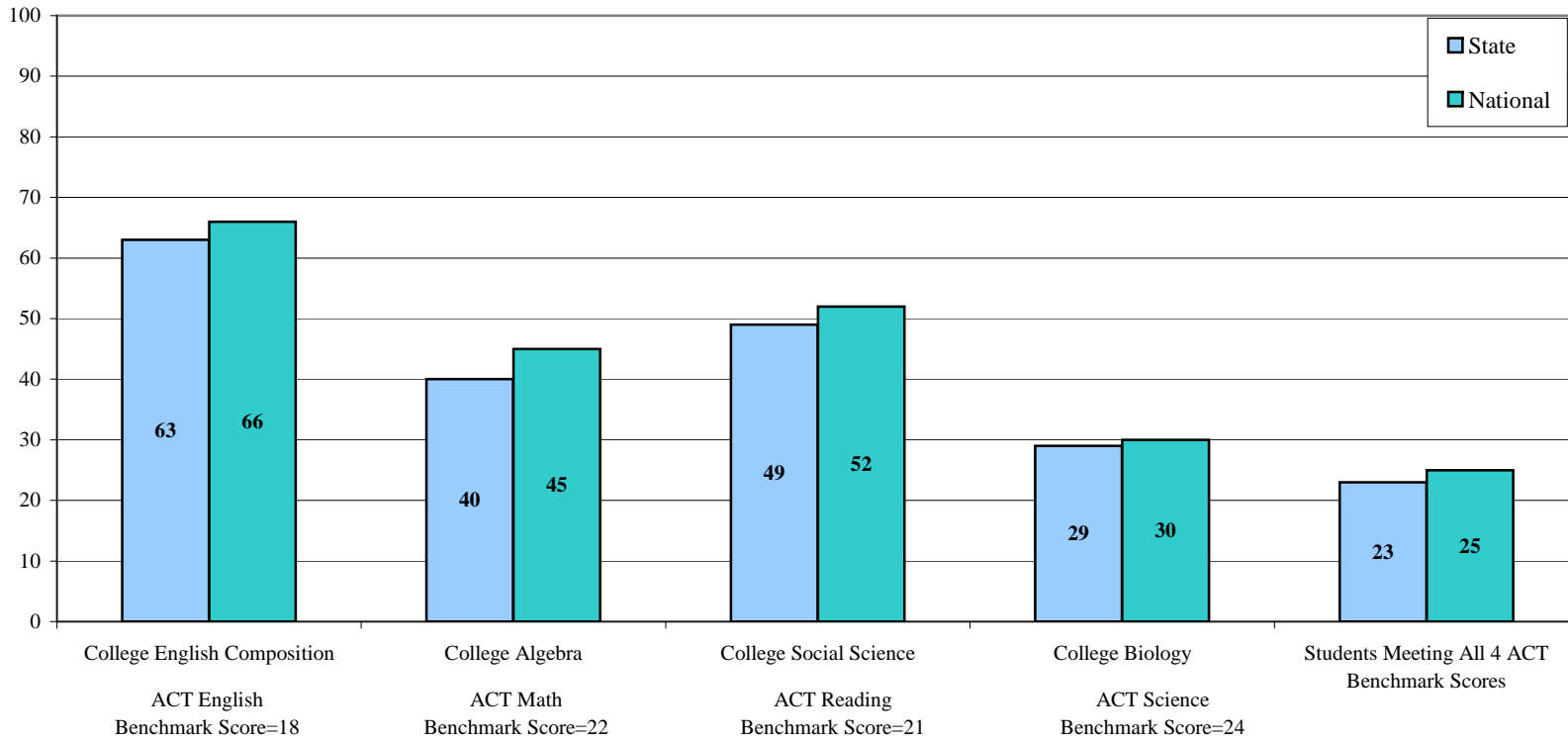
# Section I

## Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 52,930

**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: 52,930

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

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2007	49,146	1,300,599	63	69	37	43	47	53	24	28	20	23
2008	50,420	1,421,941	62	68	38	43	48	53	25	28	20	22
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
<b>2011</b>	<b>52,930</b>	<b>1,623,112</b>	<b>63</b>	<b>66</b>	<b>40</b>	<b>45</b>	<b>49</b>	<b>52</b>	<b>29</b>	<b>30</b>	<b>23</b>	<b>25</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
2007	49,146	1,300,599	19.7	20.7	20.1	21.0	20.8	21.5	20.4	21.0	20.4	21.2
2008	50,420	1,421,941	19.8	20.6	20.3	21.0	20.8	21.4	20.4	20.8	20.5	21.1
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
<b>2011</b>	<b>52,930</b>	<b>1,623,112</b>	<b>20.1</b>	<b>20.6</b>	<b>20.4</b>	<b>21.1</b>	<b>20.9</b>	<b>21.3</b>	<b>20.7</b>	<b>20.9</b>	<b>20.7</b>	<b>21.1</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
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
<b>2011</b>	<b>1,623,112</b>	<b>20.6</b>	<b>21.1</b>	<b>21.3</b>	<b>20.9</b>	<b>21.1</b>

Total Students in Report: 52,930

**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
2007	22,979	19,059	47	39	21.8	17.6	21.9	18.2	22.6	18.9	22.1	18.8	22.2	18.5
2008	28,084	17,279	56	34	21.7	17.5	21.9	18.3	22.5	18.9	21.9	18.6	22.1	18.5
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
<b>2011</b>	<b>32,470</b>	<b>15,696</b>	<b>61</b>	<b>30</b>	<b>21.9</b>	<b>17.4</b>	<b>21.9</b>	<b>18.2</b>	<b>22.5</b>	<b>18.8</b>	<b>22.2</b>	<b>18.6</b>	<b>22.3</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.

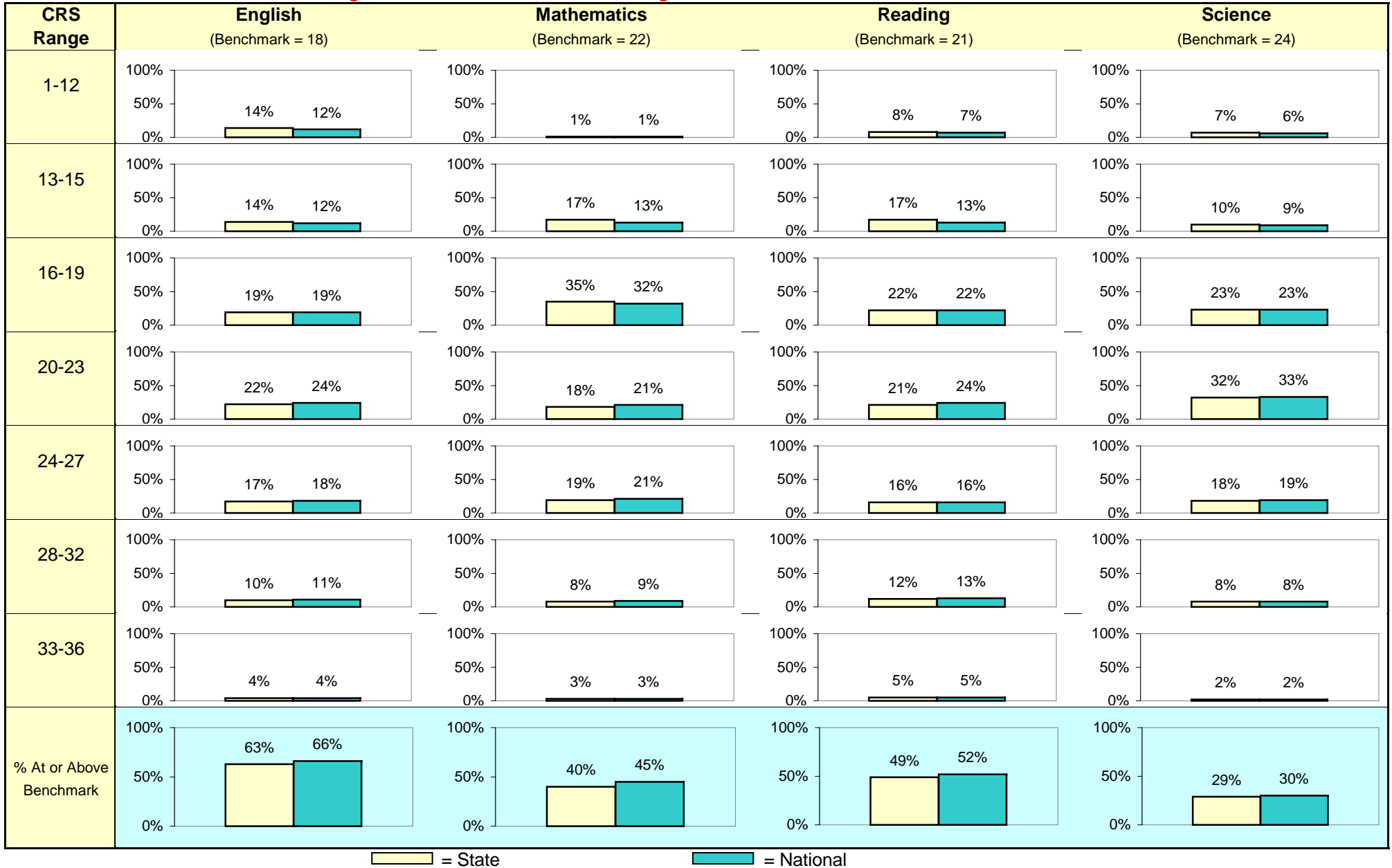
**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity<sup>1</sup>**

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>49,146</b>	<b>100</b>	<b>20.4</b>	<b>50,420</b>	<b>100</b>	<b>20.5</b>	<b>51,087</b>	<b>100</b>	<b>20.8</b>	<b>52,115</b>	<b>100</b>	<b>20.6</b>	<b>52,930</b>	<b>100</b>	<b>20.7</b>
Black/African American	1,840	4	17.2	1,973	4	17.1	2,003	4	17.7	2,289	4	17.4	2,275	4	17.4
American Indian/Alaska Native	850	2	17.6	913	2	17.9	916	2	18.1	556	1	18.8	562	1	18.7
White	26,304	54	21.8	28,195	56	21.9	28,835	56	22.2	31,165	60	22.1	30,493	58	22.3
Hispanic/Latino	6,571	13	17.2	7,431	15	17.2	7,992	16	17.6	8,997	17	17.2	10,520	20	17.4
Asian	1,585	3	20.9	1,577	3	21.4	1,676	3	21.6	1,702	3	21.7	1,656	3	21.7
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	39	0	19.3
Two or more races	1,698	3	20.2	1,913	4	20.2	2,168	4	20.7	2,495	5	20.2	2,504	5	20.6
Prefer not to respond/No response	10,298	21	19.7	8,418	17	19.4	7,497	15	19.4	4,911	9	19.2	4,881	9	19.2

<sup>1</sup>Refer to the section header on page 5 for a description of race/ethnicity changes.

Total Students in Report: 52,930

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





# Section II

## Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 52,930

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	120	100	152	100	425	100	153	100	25	100	36
35	668	100	287	100	233	99	329	100	159	100	35
34	567	99	374	99	796	99	264	99	264	100	34
33	684	97	520	98	929	97	445	99	440	99	33
32	766	96	531	97	1,557	95	202	98	587	98	32
31	933	95	758	96	1,148	93	588	97	835	97	31
30	903	93	670	95	1,278	90	778	96	1,101	96	30
29	1,443	91	1,141	94	1,138	88	1,033	95	1,295	94	29
28	1,302	89	1,180	92	1,469	86	1,563	93	1,635	91	28
27	2,001	86	1,849	89	2,352	83	1,468	90	1,977	88	27
26	1,963	82	2,285	86	1,706	79	2,126	87	2,168	84	26
25	2,152	79	2,998	82	1,976	75	3,204	83	2,626	80	25
24	2,670	74	2,818	76	2,503	72	2,958	77	2,847	75	24
23	2,825	69	2,825	71	2,068	67	4,249	71	3,055	70	23
22	2,598	64	2,572	65	3,781	63	2,704	63	3,281	64	22
21	3,369	59	2,340	60	2,623	56	4,994	58	3,364	58	21
20	3,100	53	1,904	56	2,623	51	4,812	49	3,412	52	20
19	3,053	47	2,826	52	3,933	46	4,526	40	3,510	45	19
18	2,118	41	4,058	47	2,778	39	2,928	31	3,593	38	18
17	2,060	37	4,475	39	2,521	33	2,401	26	3,468	32	17
16	2,916	33	7,114	31	2,257	29	2,221	21	3,177	25	16
15	2,921	28	5,139	17	3,621	24	2,088	17	2,967	19	15
14	2,713	22	2,637	8	3,524	17	1,763	13	2,642	13	14
13	1,647	17	1,135	3	1,625	11	1,548	10	2,218	9	13
12	1,556	14	183	1	2,119	8	1,208	7	1,448	4	12
11	1,564	11	134	1	1,273	4	999	4	668	2	11
10	1,781	8	17	1	347	1	997	3	127	1	10
9	1,049	5	0	1	160	1	202	1	28	1	9
8	915	3	4	1	96	1	114	1	8	1	8
7	412	1	1	1	44	1	36	1	1	1	7
6	111	1	2	1	9	1	18	1	3	1	6
5	32	1	0	1	8	1	2	1	0	1	5
4	10	1	0	1	5	1	7	1	1	1	4
3	6	1	0	1	2	1	1	1	0	1	3
2	2	1	0	1	2	1	0	1	0	1	2
1	0	1	1	1	1	1	1	1	0	1	1
Avg (SD)	20.1 (6.6)		20.4 (5.3)		20.9 (6.3)		20.7 (5.3)		20.7 (5.4)		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: 52,930

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subtest Score 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	1,613	100	714	100	1,409	100	1,295	100	1,924	100	373	100	636	100	18
17	1,828	97	463	99	1,785	97	2,713	98	1,983	96	781	99	15	99	17
16	2,417	93	3,441	98	3,564	94	2,928	92	2,054	93	1,160	98	1,573	99	16
15	2,309	89	3,117	91	2,352	87	3,185	87	2,815	89	1,737	96	2,468	96	15
14	2,951	85	3,679	85	2,606	83	2,995	81	3,127	83	3,116	92	4,510	91	14
13	2,390	79	4,459	78	4,698	78	3,844	75	3,866	78	6,115	86	3,580	83	13
12	3,625	74	4,880	70	4,898	69	3,800	68	3,158	70	4,101	75	6,955	76	12
11	4,288	68	6,374	61	4,077	60	4,584	61	5,912	64	5,498	67	4,746	63	11
10	5,997	60	4,508	49	4,617	52	4,220	52	3,192	53	8,577	57	8,453	54	10
9	4,200	48	6,150	40	5,134	43	4,422	44	3,441	47	6,805	41	5,176	38	9
8	5,268	40	3,907	29	7,380	34	3,935	36	6,379	41	5,305	28	7,676	28	8
7	3,782	30	3,514	21	3,981	20	3,690	28	8,034	28	4,123	18	713	13	7
6	3,688	23	2,758	15	2,798	12	5,826	21	4,061	13	2,629	10	3,229	12	6
5	3,128	16	2,381	9	1,946	7	2,336	10	2,170	6	1,702	5	1,769	6	5
4	3,298	10	1,679	5	1,038	3	2,366	6	518	2	159	2	292	3	4
3	1,708	4	693	2	496	1	537	1	215	1	578	1	820	2	3
2	403	1	178	1	105	1	241	1	72	1	37	1	107	1	2
1	37	1	35	1	46	1	13	1	9	1	134	1	212	1	1
Avg (SD)	9.8 (4.0)		10.5 (3.5)		10.6 (3.6)		10.4 (4.0)		10.4 (3.7)		10.3 (3.0)		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	24
Q2 (50th Percentile)	20	19	20	21	20
Q1 (25th Percentile)	15	16	16	17	16

Total Students in Report: 52,930

**Table 2.4. Average ACT Composite Scores for Race/Ethnicity<sup>1</sup> by Level of Preparation**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>2</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>52,930</b>	<b>61</b>	<b>22.3</b>	<b>18.4</b>
	Black/African American	2,275	55	18.5	16.3
	American Indian/Alaska Native	562	51	20.2	17.4
	White	30,493	68	23.4	19.7
	Hispanic/Latino	10,520	50	18.9	16.1
	Asian	1,656	70	23.1	19.1
	Native Hawaiian/Other Pac. Isl.	39	82	20.0	13.8
	Two or more races	2,504	57	21.9	18.9
	Prefer not/No Response	4,881	48	21.4	17.6
National	<b>All Students</b>	<b>1,623,112</b>	<b>74</b>	<b>21.9</b>	<b>19.0</b>
	Black/African American	223,383	69	17.5	15.9
	American Indian/Alaska Native	14,970	63	19.7	17.1
	White	981,585	76	23.1	20.3
	Hispanic/Latino	200,661	72	19.4	17.2
	Asian	66,650	81	24.1	21.9
	Native Hawaiian/Other Pac. Isl.	2,244	78	20.0	17.8
	Two or more races	46,378	72	21.8	19.3
	Prefer not/No Response	87,241	65	22.1	18.7

<sup>1</sup>Refer to the section header on page 11 for a description of race/ethnicity changes.

<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.

**Table 2.5. Average ACT Scores by Race/Ethnicity<sup>1</sup>**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	20.1	20.4	20.9	20.7	20.7
	Black/African American	16.4	17.3	17.5	17.7	17.4
	American Indian/Alaska Native	17.4	18.6	19.2	19.1	18.7
	White	22.0	21.8	22.6	22.1	22.3
	Hispanic/Latino	16.0	17.7	17.5	17.8	17.4
	Asian	20.8	22.6	21.0	21.8	21.7
	Native Hawaiian/Other Pac. Isl.	18.8	19.6	19.0	19.7	19.3
	Two or more races	20.0	19.9	21.2	20.6	20.6
	Prefer not/No Response	18.3	19.2	19.6	19.4	19.2
National	<b>All Students</b>	20.6	21.1	21.3	20.9	21.1
	Black/African American	15.9	17.2	17.0	17.1	17.0
	American Indian/Alaska Native	17.5	18.6	19.1	18.9	18.6
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.6	19.2	18.9	18.8	18.7
	Asian	22.8	25.1	22.9	23.1	23.6
	Native Hawaiian/Other Pac. Isl.	18.6	19.9	19.4	19.5	19.5
	Two or more races	20.7	20.7	21.6	20.9	21.1
	Prefer not/No Response	20.2	20.9	21.0	20.4	20.7

<sup>1</sup>Refer to the section header on page 11 for a description of race/ethnicity changes.



Total Students in Report: 52,930

**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	2,039	4	1,333	3	2,383	5	1,191	2
	28 to 32	5,347	10	4,280	8	6,590	12	4,164	8
	24 to 27	8,786	17	9,950	19	8,537	16	9,756	18
	20 to 23	11,892	22	9,641	18	11,095	21	16,759	32
	16 to 19	10,147	19	18,473	35	11,489	22	12,076	23
	13 to 15	7,281	14	8,911	17	8,770	17	5,399	10
	01 to 12	7,438	14	342	1	4,066	8	3,585	7
National	33 to 36	68,159	4	49,703	3	81,236	5	32,031	2
	28 to 32	174,801	11	144,331	9	211,084	13	130,969	8
	24 to 27	286,161	18	344,894	21	265,974	16	316,182	19
	20 to 23	394,076	24	332,913	21	382,505	24	530,056	33
	16 to 19	309,855	19	525,628	32	360,259	22	366,855	23
	13 to 15	201,235	12	217,338	13	214,265	13	153,754	9
	01 to 12	188,825	12	8,305	1	107,789	7	93,265	6

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	26,180	49	19.5	20.9	20.6	21.0	20.6
	Females	26,673	50	20.6	20.0	21.3	20.5	20.7
	Missing	77	0	13.7	16.2	15.6	16.3	15.6
National	Males	739,070	46	20.2	21.6	21.1	21.4	21.2
	Females	879,957	54	20.9	20.6	21.4	20.5	21.0
	Missing	4,085	0	16.4	17.8	17.7	17.8	17.6

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	60	43	47	31	25
	Females	66	37	52	26	21
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 52,930

**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>	32,470	75	21.9	52	21.9	60	22.5	38	22.2	32	22.3
	Less than Core	15,696	45	17.4	21	18.2	34	18.8	14	18.6	10	18.4
	Missing <sup>3</sup>	4,764	36	16.0	19	17.8	27	17.7	13	17.6	9	17.4
National	Core or More	1,202,164	72	21.5	51	21.8	57	22.0	34	21.6	29	21.9
	Less than Core	366,518	51	18.3	27	19.0	38	19.3	17	19.0	13	19.0
	Missing	54,430	38	16.3	21	18.0	27	17.7	12	17.7	9	17.5

<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 meet 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>	42,652	69	21.0	43,171	46	21.2	42,763	54	21.7	40,003	34	21.6
	Less than Core	6,239	40	16.4	5,453	8	16.5	5,906	29	18.1	8,542	12	18.2
	Missing <sup>3</sup>	4,039	36	16.1	4,306	19	17.8	4,261	28	17.9	4,385	13	17.8
National	Core or More	1,510,179	68	20.9	1,494,425	47	21.4	1,424,252	54	21.6	1,367,777	33	21.4
	Less than Core	66,225	40	16.6	79,145	8	16.4	149,746	40	19.7	205,148	12	18.3
	Missing	46,708	39	16.5	49,542	21	18.1	49,114	28	17.9	50,187	13	17.8

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

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

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

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

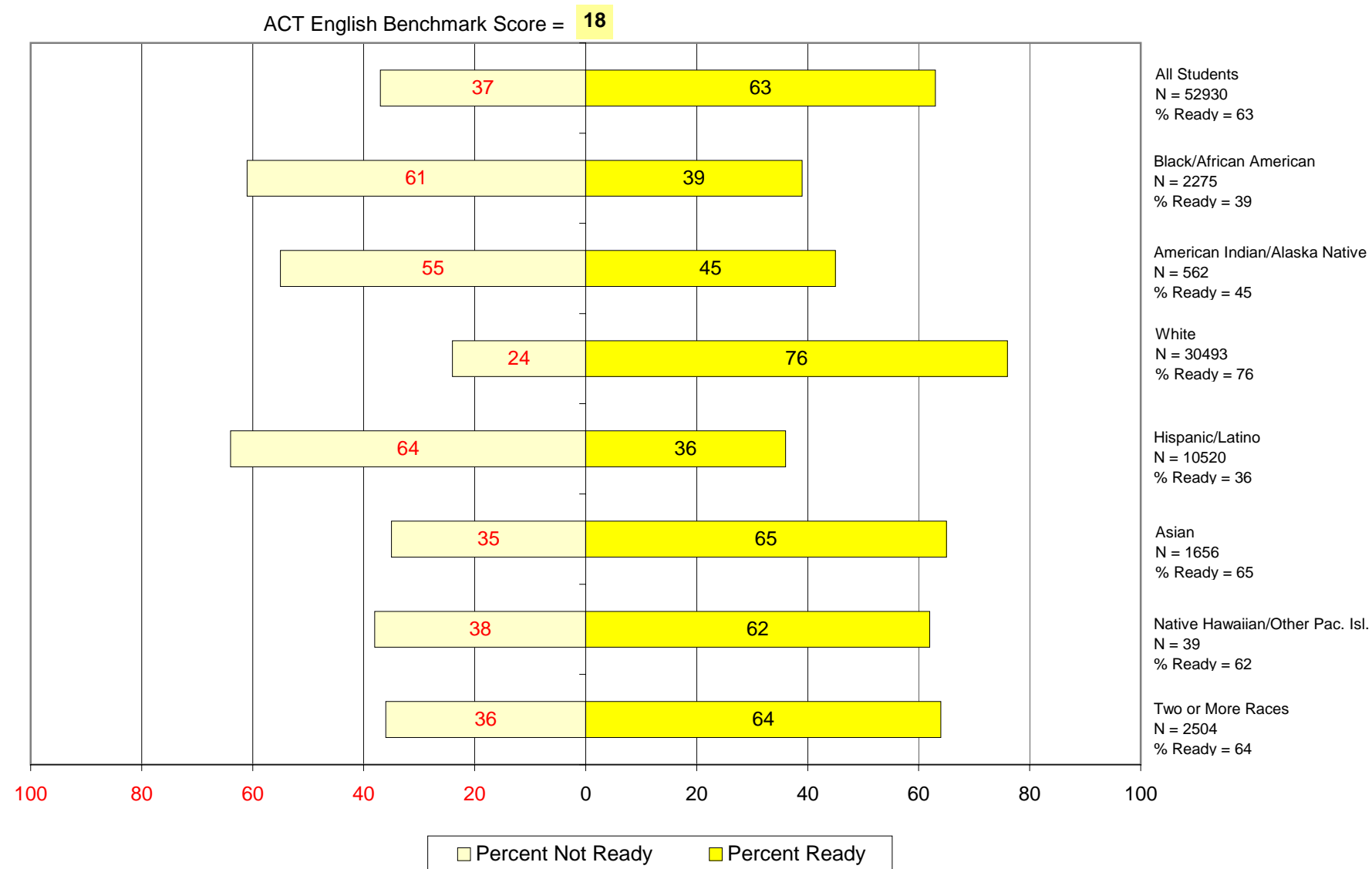
# Section III

## College Readiness and the Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 52,930

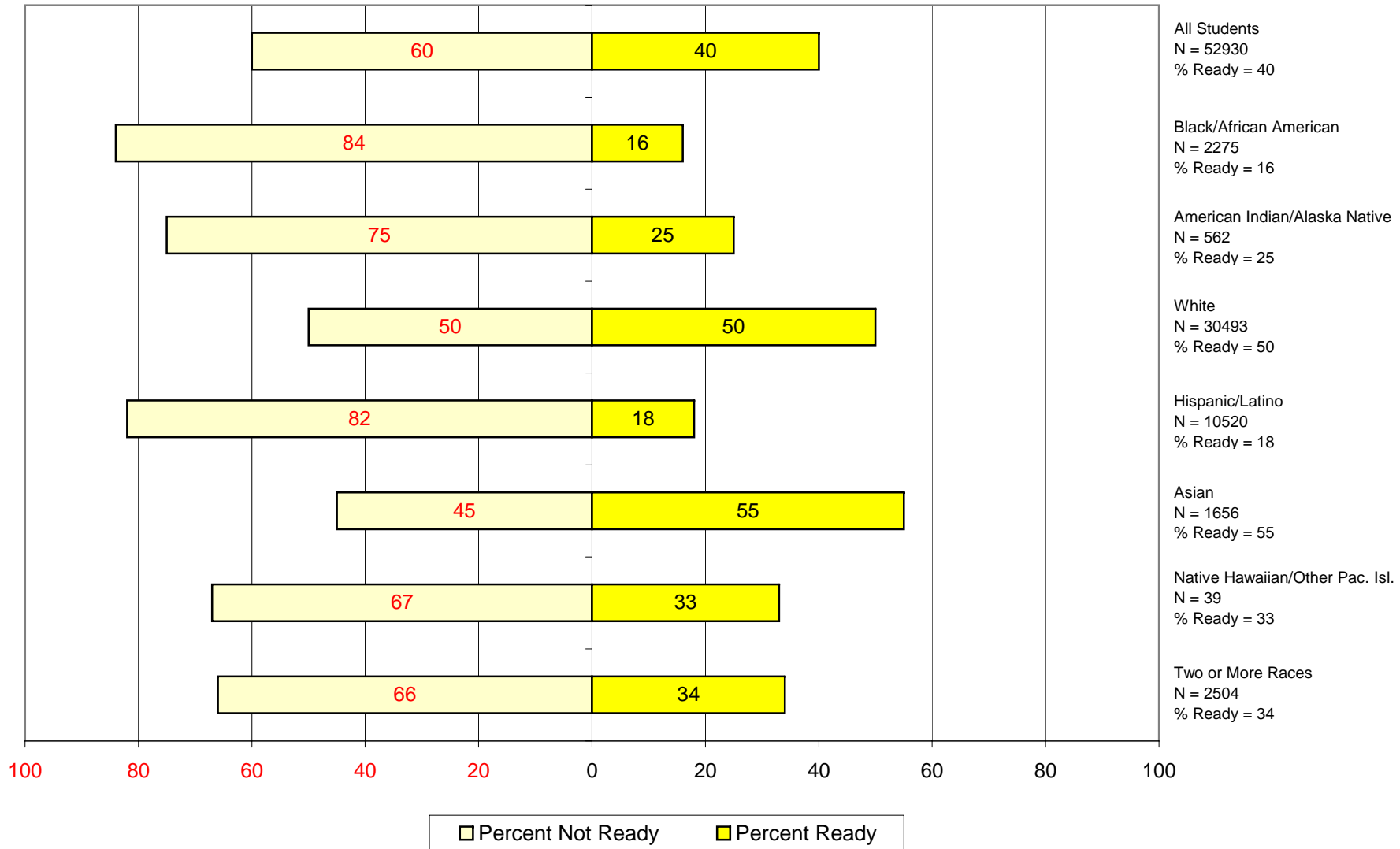
**Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ENGLISH**



<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: MATHEMATICS**

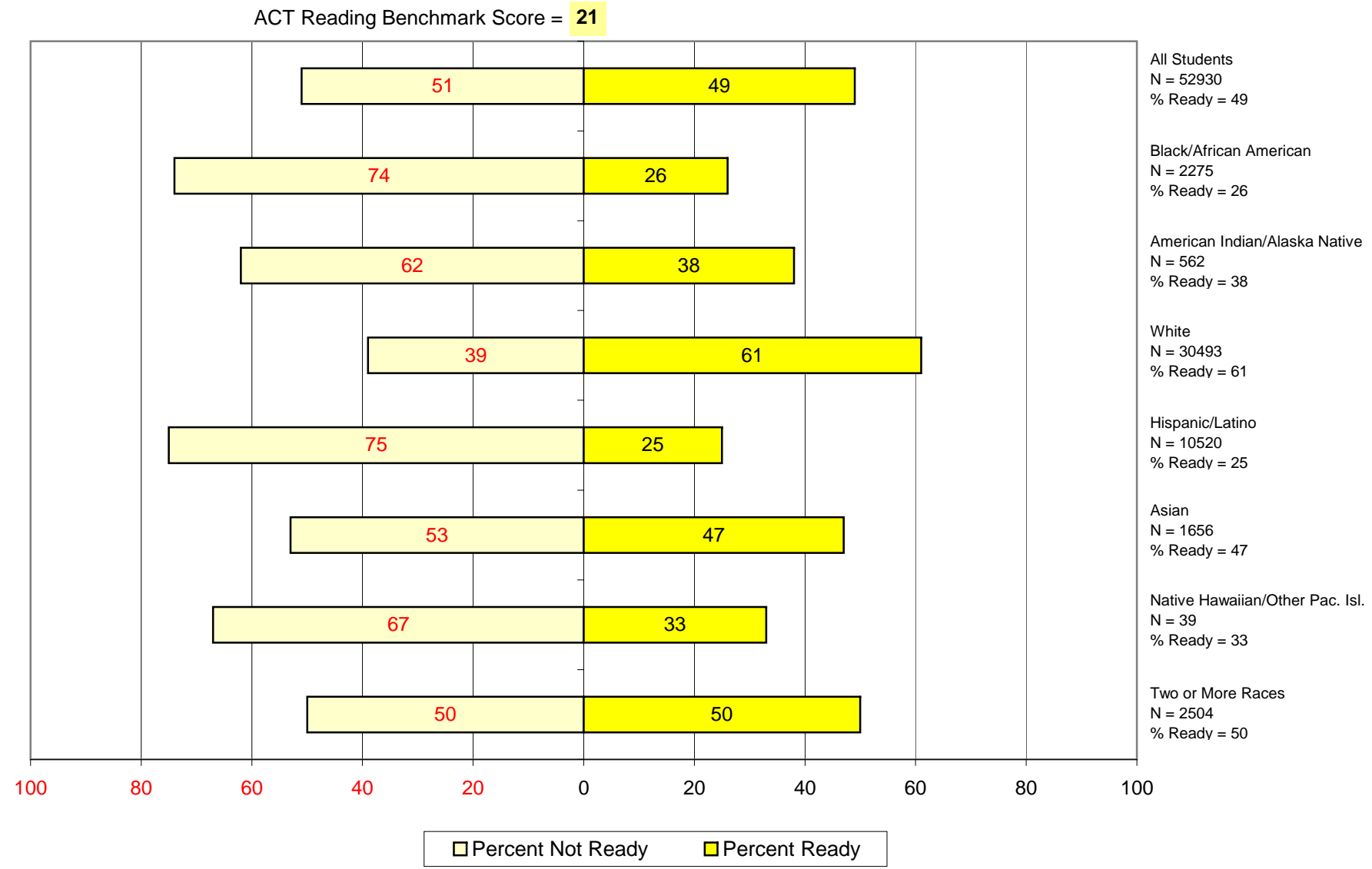
ACT Mathematics Benchmark Score = **22**



<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 52,930

**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: READING**

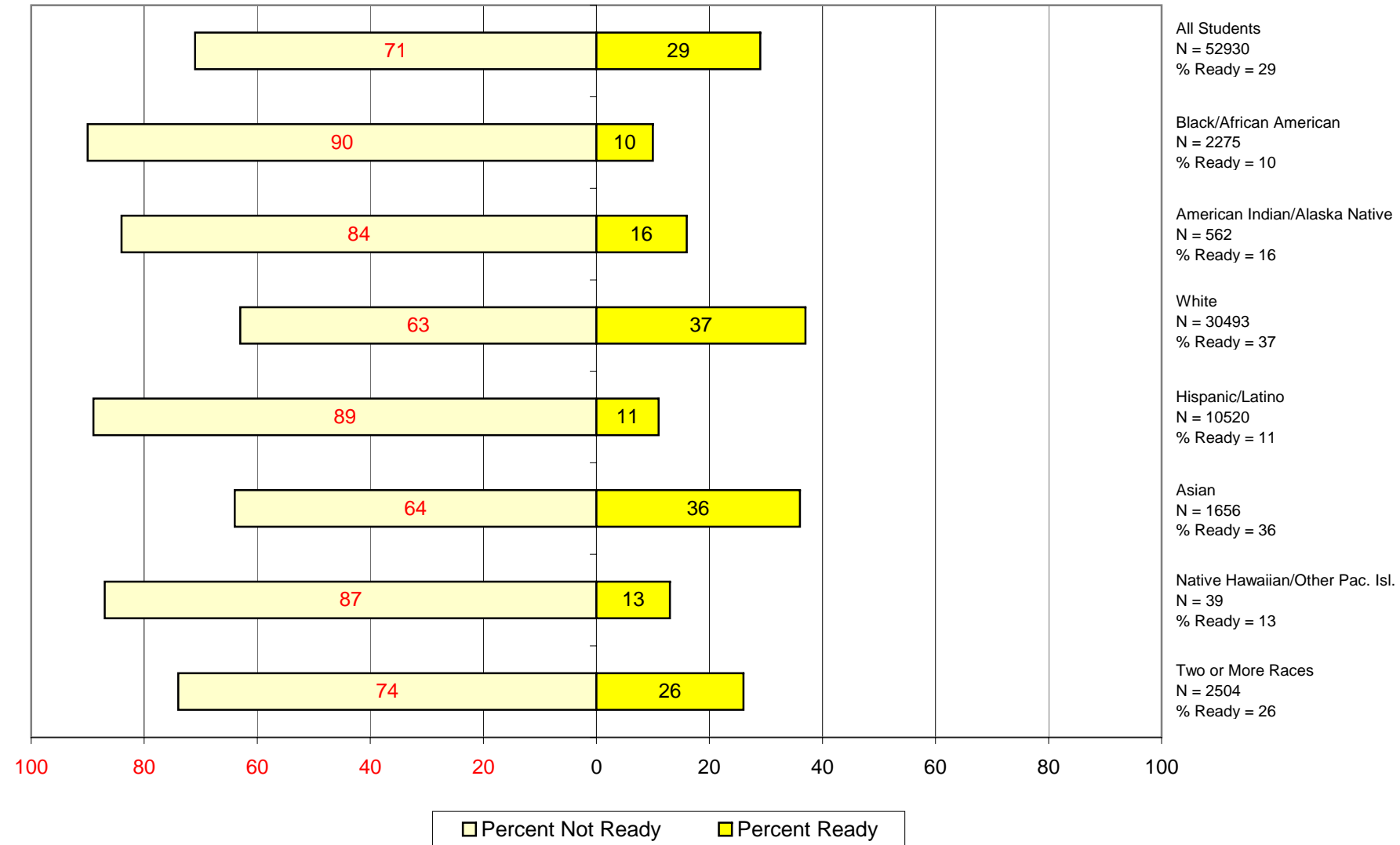


<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 52,930

**Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: SCIENCE**

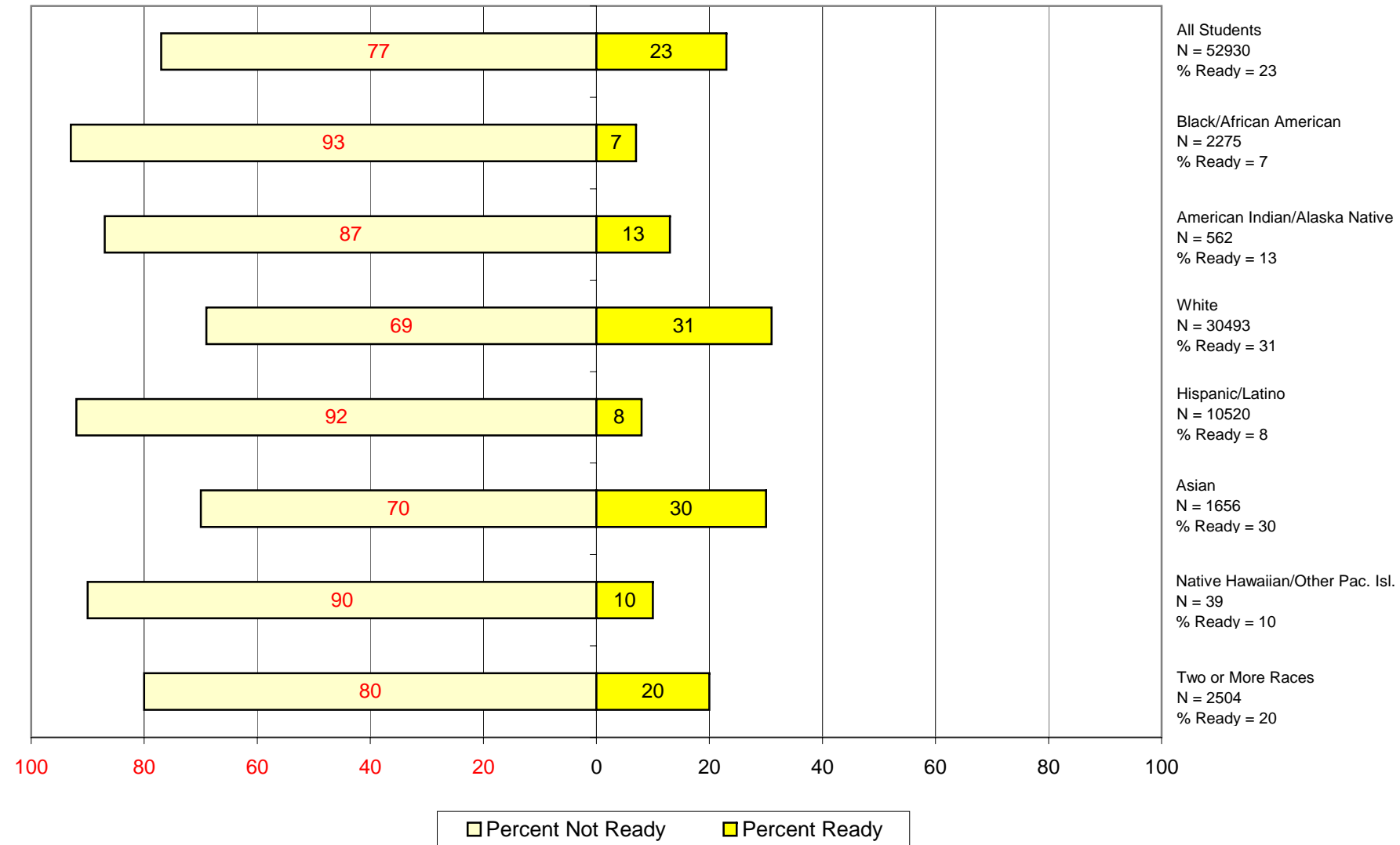
ACT Science Benchmark Score = **24**



<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 52,930

**Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ALL FOUR**



<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.



Total Students in Report: 52,930

**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	12,992	25	21.8	5.4	5,665	22	21.2	5.1	7,318	27	22.2	5.3
Eng 9, Eng 10, Eng 11, Eng 12	29,660	56	20.6	4.2	14,830	57	20.3	4.2	14,801	55	20.9	4.0
Less than 4 years of English	6,239	12	16.4	-	3,449	13	16.1	-	2,773	10	16.9	-
Zero years / no English courses reported	4,039	8	16.1	-	2,236	9	15.8	-	1,781	7	16.5	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	3,546	7	24.1	7.6	1,777	7	24.6	7.9	1,767	7	23.6	7.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,666	11	22.1	5.6	2,338	9	22.7	6.0	3,326	12	21.7	5.5
Alg 1, Alg 2, Geom, & Trig	4,145	8	19.6	3.1	1,989	8	20.0	3.3	2,150	8	19.3	3.1
Alg 1, Alg 2, Geom, & Other Adv Math	6,782	13	19.5	3.0	2,912	11	20.0	3.3	3,869	15	19.1	2.9
Other comb of 4 or more years of Math	13,455	25	23.9	7.4	7,038	27	24.6	7.9	6,407	24	23.2	7.0
Alg 1, Alg 2, & Geom	7,149	14	17.2	0.7	3,526	13	17.5	0.8	3,608	14	16.9	0.7
Other comb of 3 or 3.5 years of Math	2,428	5	19.3	2.8	1,274	5	19.6	2.9	1,153	4	19.0	2.8
Less than 3 years of Math	5,453	10	16.5	-	2,932	11	16.7	-	2,505	9	16.2	-
Zero years / no Math courses reported	4,306	8	17.8	-	2,394	9	18.0	-	1,888	7	17.6	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	871	2	22.1	4.0	462	2	21.4	3.6	409	2	22.8	4.4
Other comb of 4 or more years Social Science	25,287	48	22.2	4.1	11,685	45	22.0	4.2	13,580	51	22.4	4.0
US Hist, World Hist, & Am Gov	1,945	4	19.5	1.4	1,126	4	19.4	1.6	818	3	19.7	1.3
Other comb of 3 or 3.5 years of Social Science	14,660	28	20.9	2.8	7,260	28	20.6	2.8	7,387	28	21.3	2.9
Less than 3 years of Social Science	5,906	11	18.1	-	3,266	12	17.8	-	2,621	10	18.4	-
Zero years / no Social Science courses reported	4,261	8	17.9	-	2,381	9	17.6	-	1,858	7	18.2	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	18,369	35	22.2	4.0	9,732	37	22.7	4.6	8,621	32	21.6	3.3
Bio, Chem, Phys	2,520	5	24.5	6.3	1,402	5	25.1	7.0	1,115	4	23.8	5.5
Gen Sci <sup>2</sup> , Bio, Chem	16,634	31	20.6	2.4	6,903	26	20.6	2.5	9,716	36	20.7	2.4
Other comb of 3 years of Natural Science	2,480	5	20.5	2.3	1,457	6	21.0	2.9	1,022	4	19.7	1.4
Less than 3 years of Natural Science	8,542	16	18.2	-	4,254	16	18.1	-	4,269	16	18.3	-
Zero years / no Natural Science courses reported	4,385	8	17.8	-	2,432	9	17.8	-	1,930	7	17.8	-

<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: 52,930

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	12,992	25	21.8	74	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	29,660	56	20.6	66	1,143,409	70	20.6	66
Less than 4 years of English	6,239	12	16.4	40	66,225	4	16.6	40
Zero years / no English courses reported	4,039	8	16.1	36	46,708	3	16.5	39
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	3,546	7	24.1	71	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,666	11	22.1	58	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	4,145	8	19.6	33	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	6,782	13	19.5	30	271,304	17	19.9	36
Other comb of 4 or more years of Math	13,455	25	23.9	67	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	7,149	14	17.2	10	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	2,428	5	19.3	29	78,953	5	19.9	35
Less than 3 years of Math	5,453	10	16.5	8	79,145	5	16.4	8
Zero years / no Math courses reported	4,306	8	17.8	19	49,542	3	18.1	21
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	871	2	22.1	55	47,284	3	22.5	59
Other comb of 4 or more years Social Science	25,287	48	22.2	58	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	1,945	4	19.5	39	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	14,660	28	20.9	49	445,631	27	21.1	51
Less than 3 years of Social Science	5,906	11	18.1	29	149,746	9	19.7	40
Zero years / no Social Science courses reported	4,261	8	17.9	28	49,114	3	17.9	28
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	18,369	35	22.2	40	686,167	42	22.1	39
Bio, Chem, Phys	2,520	5	24.5	57	160,020	10	23.1	46
Gen Sci <sup>1</sup> , Bio, Chem	16,634	31	20.6	25	476,294	29	20.1	21
Other comb of 3 years of Natural Science	2,480	5	20.5	27	45,296	3	19.6	20
Less than 3 years of Natural Science	8,542	16	18.2	12	205,148	13	18.3	12
Zero years / no Natural Science courses reported	4,385	8	17.8	13	50,187	3	17.8	13

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

# Section IV

## Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Total Students in Report: 52,930

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

Planned Educational Major <sup>1</sup>	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>2</sup>	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	962	2	19.0	207	4	16.1	689	2	19.9
Architecture	617	1	21.5	57	1	16.4	523	1	22.1
Area, Ethnic, & Multidisciplinary Studies	84	0	23.3	1	0	12.0	74	0	23.6
Arts: Visual & Performing	4,757	9	20.7	679	12	16.9	3,696	10	21.5
Business	4,671	9	20.8	404	7	16.5	4,041	11	21.4
Communications	1,109	2	22.1	80	1	17.6	979	3	22.5
Community, Family, & Personal Services	3,160	6	18.2	769	14	16.4	2,164	6	18.9
Computer Science & Mathematics	1,015	2	22.2	106	2	17.7	844	2	22.8
Education	2,385	5	20.9	129	2	16.3	2,141	6	21.3
Engineering	3,474	7	23.6	278	5	16.3	3,005	8	24.5
Engineering Technology & Drafting	1,298	2	21.8	163	3	16.1	1,058	3	22.8
English & Foreign Languages	815	2	23.5	57	1	16.8	711	2	24.1
Health Administration & Assisting	635	1	17.8	87	2	16.0	498	1	18.2
Health Sciences & Technologies	7,221	14	20.8	560	10	16.4	6,325	16	21.3
Philosophy, Religion, & Theology	298	1	22.4	25	0	19.4	247	1	22.9
Repair, Production, & Construction	1,030	2	17.5	512	9	16.5	443	1	18.7
Sciences: Biological & Physical	2,794	5	23.8	75	1	16.7	2,592	7	24.1
Social Sciences & Law	3,667	7	22.2	87	2	16.5	3,404	9	22.5
Undecided	5,436	10	21.2	634	12	16.3	4,132	11	22.1
No Response	7,501	14	17.5	539	10	15.2	841	2	17.7

<sup>1</sup>Refer to the section header on page 25 for a description of educational major changes.

<sup>2</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>3</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 52,930

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic<sup>1</sup> 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	1,513	16.3	36	13.8	24	17.0	707	17.6	488	14.8
2-yr College Degree	3,937	16.4	131	15.3	54	15.7	1,810	17.6	1,253	14.8
Bachelors Degree	19,182	20.6	767	17.1	191	18.7	12,055	21.8	3,428	17.8
Graduate Study	7,803	23.5	298	18.9	64	21.2	5,181	24.7	1,068	19.9
Prof. Level Degree	11,422	22.8	532	19.3	100	21.3	6,659	24.2	1,999	19.4
Other	1,648	18.1	66	15.6	22	17.0	838	19.3	313	15.8
No Response	7,425	18.4	445	15.7	107	16.9	3,243	20.7	1,971	15.8

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	1,513	16.3	10	14.9	1	25.0	73	16.8	174	15.9
2-yr College Degree	3,937	16.4	78	16.0	0	.	154	16.9	457	16.4
Bachelors Degree	19,182	20.6	519	20.4	19	18.4	829	20.2	1,374	19.5
Graduate Study	7,803	23.5	286	23.5	6	19.8	352	22.9	548	22.2
Prof. Level Degree	11,422	22.8	560	24.0	8	22.0	623	22.5	941	21.7
Other	1,648	18.1	35	18.5	3	17.7	95	19.0	276	17.5
No Response	7,425	18.4	168	18.8	2	16.0	378	18.7	1,111	17.3

<sup>1</sup>Refer to the section header on page 25 for a description of race/ethnicity changes.

Total Students in Report: 52,930

**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	11,046	4,396	6,650	2	8	22	32	25	12	1
UNIV OF COLORADO-BOULDER	Colorado	10,528	3,602	6,926	2	8	19	28	26	15	2
STATE-COLLEGE/NO REPORTS NOW	Iowa	7,923	7,922	1	7	21	30	21	13	6	1
UNIV OF NORTHERN COLORADO	Colorado	5,493	1,528	3,965	2	9	28	33	20	7	0
METROPOLITAN STATE COLL OF DENVER THE	Colorado	4,577	1,516	3,061	5	21	36	25	10	2	0
UNIVERSITY OF DENVER	Colorado	4,295	884	3,411	3	11	23	24	23	15	1
MESA STATE COLLEGE	Colorado	2,830	1,009	1,821	3	15	34	31	14	4	0
UNIV OF COLORADO-COLORADO SPRINGS	Colorado	2,789	732	2,057	2	10	27	32	21	8	1
COLORADO STATE UNIVERSITY-PUEBLO	Colorado	2,457	701	1,756	4	18	37	27	11	3	0
NCAA ELIGIBILITY CENTER	Indiana	2,015	939	1,076	3	12	27	29	19	9	1
COLORADO SCHOOL OF MINES	Colorado	1,907	627	1,280	1	4	9	17	31	32	6
ART INSTITUTE OF COLORADO THE	Colorado	1,537	572	965	5	19	36	26	11	3	0
UNIVERSITY OF COLORADO DENVER	Colorado	1,500	372	1,128	4	15	25	27	20	8	1
ADAMS STATE COLLEGE	Colorado	1,348	449	899	4	21	36	26	11	3	0
COMMUNITY COLLEGE OF DENVER	Colorado	1,256	286	970	14	35	34	13	3	1	0
FORT LEWIS COLLEGE	Colorado	1,234	387	847	1	9	28	38	18	6	0
RED ROCKS COMMUNITY COLLEGE	Colorado	1,200	384	816	7	24	40	19	8	1	0
REGIS UNIVERSITY	Colorado	1,178	247	931	3	13	29	28	20	7	0
ARIZONA STATE UNIVERSITY	Arizona	1,130	334	796	1	7	23	36	24	8	1
STATE-NO COLLEGE PLANS	Iowa	1,101	1,101	0	17	36	29	13	5	0	0
PIKES PEAK COMMUNITY COLLEGE	Colorado	1,091	423	668	5	21	36	24	11	2	0
WESTERN STATE COLLEGE OF COLORADO	Colorado	1,043	235	808	2	13	34	33	15	3	0
UNIVERSITY OF WYOMING	Wyoming	1,035	245	790	1	6	20	33	27	12	1
COLORADO COLLEGE	Colorado	996	282	714	3	12	23	25	20	16	2
JOHNSON & WALES UNIVERSITY-DENVER	Colorado	911	328	583	5	22	35	26	10	2	0
COLORADO CHRISTIAN UNIVERSITY	Colorado	854	226	628	4	13	26	29	21	6	0
UNITED STATES AIR FORCE ACADEMY	Colorado	851	293	558	4	14	21	19	22	17	3
ARAPAHOE COMMUNITY COLLEGE	Colorado	843	351	492	7	25	37	22	7	2	0
FRONT RANGE COMMUNITY COLLEGE	Colorado	824	277	547	7	25	38	20	9	2	0
AIMS COMMUNITY COLLEGE	Colorado	817	373	444	11	31	37	14	6	1	0
All Other Institutions		46,526	12,143	34,383	4	13	23	23	20	14	3
<b>Total</b>		<b>123,135</b>	<b>43,164</b>	<b>79,971</b>	<b>4</b>	<b>14</b>	<b>25</b>	<b>26</b>	<b>19</b>	<b>11</b>	<b>2</b>

# Section V

## Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 52,930

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity<sup>1</sup> 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>8,008</b>	<b>905,035</b>	<b>25.3</b>	<b>21.5</b>	<b>7.7</b>	<b>7.1</b>	<b>24.2</b>	<b>20.8</b>
Black/African American	325	112,251	20.9	16.7	6.9	6.3	20.2	16.5
American Indian/Alaska Native	38	5,519	23.7	18.4	7.2	6.5	22.4	18.0
White	5,526	522,234	26.2	23.2	7.8	7.3	24.9	22.2
Hispanic/Latino	1,006	128,599	21.8	18.4	7.4	6.8	21.3	18.2
Asian	421	51,829	25.5	23.8	7.9	7.6	24.4	22.9
Native Hawaiian/Other Pac. Isl.	12	1,332	20.3	19.7	6.8	7.2	19.8	19.5
Two or more races	279	27,722	25.2	21.6	7.7	7.0	24.0	20.8
Prefer not/No Response	401	55,549	25.8	21.3	7.7	7.0	24.5	20.5
Males	3,334	399,206	25.2	21.3	7.6	6.8	23.9	20.3
Females	4,673	503,699	25.5	21.8	7.8	7.3	24.4	21.1
Missing	1	2,130	30.0	17.6	10.0	6.2	30.0	17.1

<sup>1</sup>Refer to the section header on page 29 for a description of race/ethnicity changes.





