

# ACT Profile Report - State

Graduating Class 2011  
Missouri



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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

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:** 48,565 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. 72% 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 7% of the cohort took less than three years of math courses. Of these students, 9% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 13% of these students were college ready. In comparison, 55% 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 17% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 36% 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 45% 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 847-634-2560.

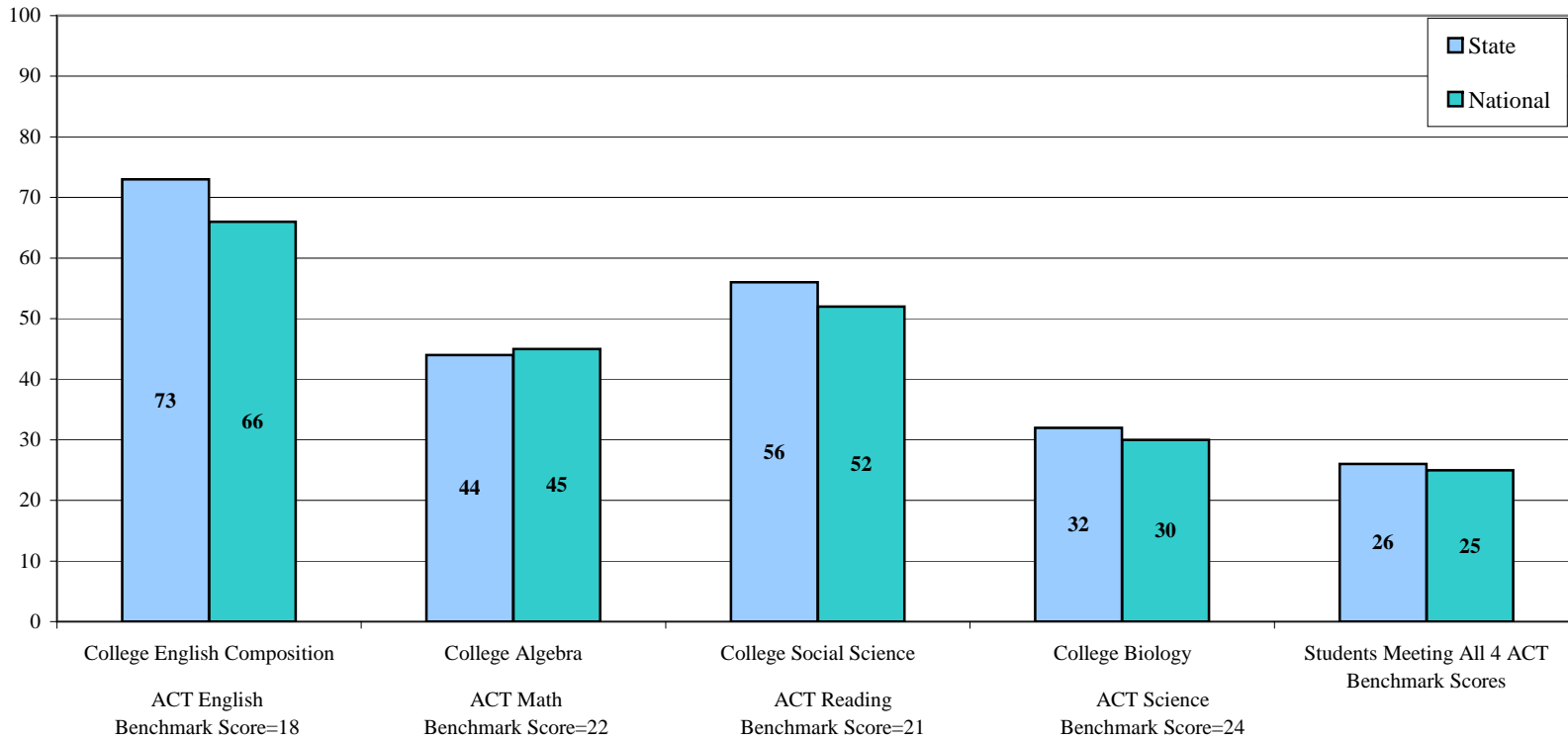
# Section I

## 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: 48,565

**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: 48,565

**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	45,354	1,300,599	74	69	42	43	56	53	31	28	25	23
2008	47,240	1,421,941	73	68	42	43	57	53	31	28	24	22
2009	46,923	1,480,469	73	67	42	42	57	53	32	28	25	23
2010	48,290	1,568,835	73	66	44	43	57	52	32	29	26	24
<b>2011</b>	<b>48,565</b>	<b>1,623,112</b>	<b>73</b>	<b>66</b>	<b>44</b>	<b>45</b>	<b>56</b>	<b>52</b>	<b>32</b>	<b>30</b>	<b>26</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	45,354	1,300,599	21.5	20.7	21.0	21.0	22.1	21.5	21.5	21.0	21.6	21.2
2008	47,240	1,421,941	21.4	20.6	21.0	21.0	22.0	21.4	21.4	20.8	21.6	21.1
2009	46,923	1,480,469	21.5	20.6	20.9	21.0	22.1	21.4	21.5	20.9	21.6	21.1
2010	48,290	1,568,835	21.5	20.5	21.0	21.0	22.0	21.3	21.6	20.9	21.6	21.0
<b>2011</b>	<b>48,565</b>	<b>1,623,112</b>	<b>21.5</b>	<b>20.6</b>	<b>21.0</b>	<b>21.1</b>	<b>21.9</b>	<b>21.3</b>	<b>21.6</b>	<b>20.9</b>	<b>21.6</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: 48,565

**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	21,252	16,305	47	36	22.9	19.9	22.3	19.6	23.3	20.9	22.6	20.4	22.9	20.3
2008	27,219	15,728	58	33	22.9	19.7	22.2	19.4	23.2	20.7	22.5	20.1	22.8	20.1
2009	30,628	13,914	65	30	22.9	19.6	22.0	19.2	23.2	20.6	22.5	20.0	22.8	20.0
2010	34,047	12,456	71	26	22.6	19.5	21.9	19.2	22.9	20.3	22.4	20.1	22.6	19.9
<b>2011</b>	<b>34,732</b>	<b>12,783</b>	<b>72</b>	<b>26</b>	<b>22.5</b>	<b>19.5</b>	<b>21.8</b>	<b>19.1</b>	<b>22.6</b>	<b>20.3</b>	<b>22.3</b>	<b>20.0</b>	<b>22.4</b>	<b>19.9</b>

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

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

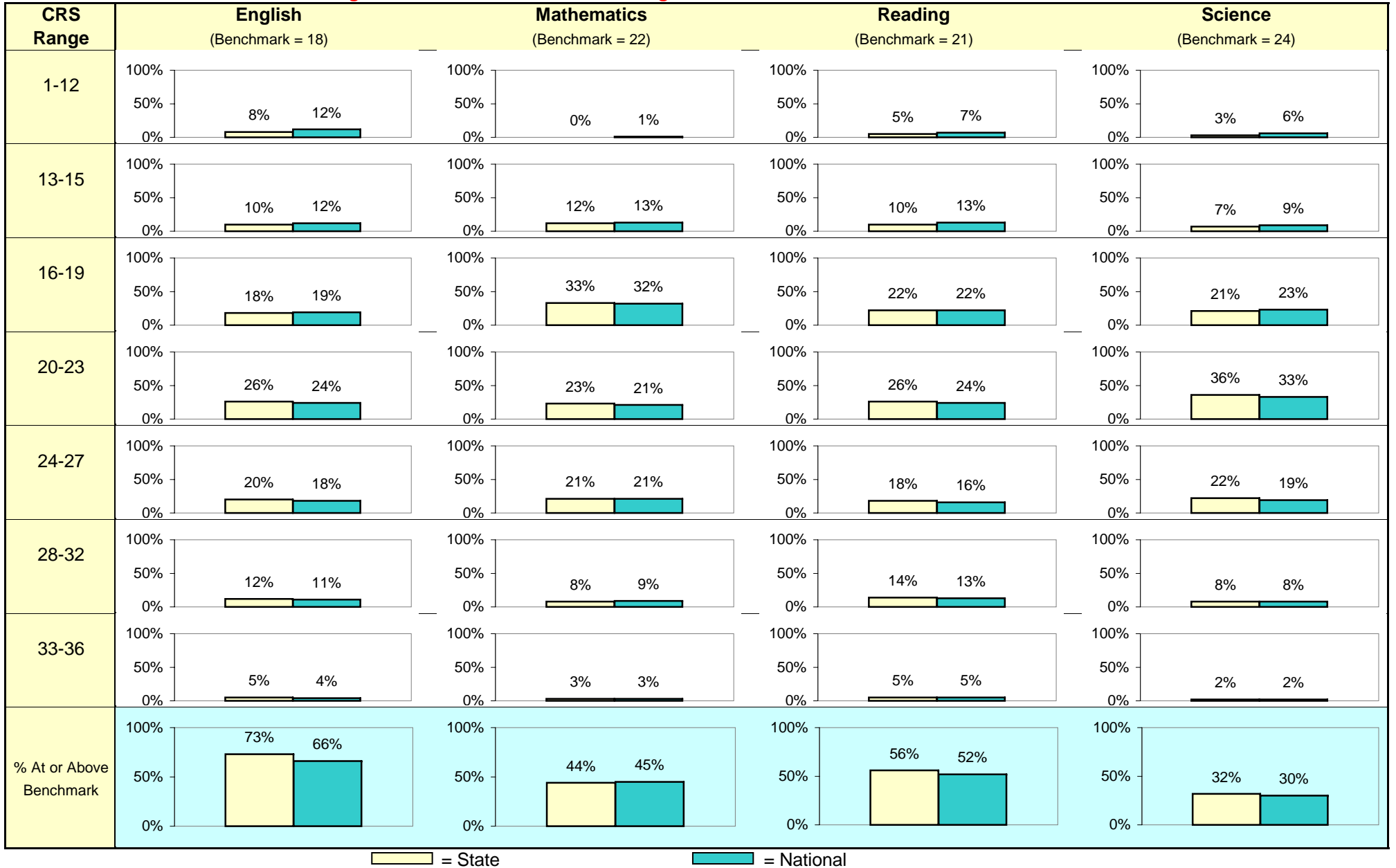
**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity<sup>1</sup>**

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>45,354</b>	<b>100</b>	<b>21.6</b>	<b>47,240</b>	<b>100</b>	<b>21.6</b>	<b>46,923</b>	<b>100</b>	<b>21.6</b>	<b>48,290</b>	<b>100</b>	<b>21.6</b>	<b>48,565</b>	<b>100</b>	<b>21.6</b>
Black/African American	4,563	10	17.3	5,190	11	17.2	5,446	12	17.2	5,829	12	17.2	6,366	13	17.2
American Indian/Alaska Native	254	1	20.5	278	1	20.1	258	1	20.3	344	1	20.7	240	0	20.5
White	32,801	72	22.3	35,534	75	22.3	35,874	76	22.4	37,044	77	22.4	36,368	75	22.5
Hispanic/Latino	926	2	20.2	1,056	2	20.4	1,066	2	20.2	1,241	3	20.2	1,707	4	20.1
Asian	807	2	23.0	873	2	23.0	849	2	23.8	949	2	23.5	974	2	23.5
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	55	0	19.3
Two or more races	585	1	21.2	668	1	21.0	805	2	21.1	922	2	21.1	1,227	3	20.9
Prefer not to respond/No response	5,418	12	21.5	3,641	8	21.1	2,625	6	20.1	1,961	4	20.2	1,628	3	21.4

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

Total Students in Report: 48,565

**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: 48,565

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	221	100	142	100	369	100	158	100	26	100	36
35	785	100	246	100	396	99	247	100	128	100	35
34	702	98	458	99	879	98	171	99	303	100	34
33	803	96	388	98	1,010	97	483	99	460	99	33
32	940	95	592	97	1,151	95	372	98	681	98	32
31	1,100	93	490	96	1,267	92	504	97	973	97	31
30	1,039	91	660	95	1,396	90	831	96	992	95	30
29	1,330	88	859	94	1,328	87	834	94	1,237	93	29
28	1,624	86	1,305	92	1,601	84	1,503	93	1,703	90	28
27	1,841	82	1,818	89	1,648	81	1,694	89	1,983	87	27
26	1,917	79	2,364	86	1,750	77	2,265	86	2,245	83	26
25	2,348	75	2,715	81	2,441	74	2,817	81	2,673	78	25
24	3,462	70	3,330	75	2,885	69	3,714	76	3,221	72	24
23	2,497	63	3,574	68	2,530	63	4,616	68	3,420	66	23
22	3,412	58	2,633	61	3,459	57	3,755	58	3,620	59	22
21	3,831	51	1,954	56	3,294	50	4,855	51	3,761	51	21
20	2,989	43	2,788	52	3,210	44	4,383	41	3,713	44	20
19	2,536	36	2,801	46	2,922	37	3,297	32	3,494	36	19
18	2,038	31	3,725	40	3,048	31	3,297	25	3,278	29	18
17	2,037	27	4,147	32	2,461	25	2,046	18	2,800	22	17
16	2,304	23	5,502	24	2,236	20	1,586	14	2,408	16	16
15	2,249	18	3,880	13	1,808	15	1,626	11	1,951	11	15
14	1,719	14	1,403	5	2,139	11	1,051	7	1,581	7	14
13	1,092	10	605	2	1,101	7	875	5	1,057	4	13
12	993	8	124	1	1,202	5	635	3	611	2	12
11	943	6	40	1	618	2	414	2	188	1	11
10	791	4	15	1	234	1	373	1	43	1	10
9	529	2	6	1	98	1	104	1	10	1	9
8	324	1	0	1	46	1	39	1	3	1	8
7	113	1	0	1	18	1	8	1	2	1	7
6	35	1	1	1	12	1	8	1	0	1	6
5	13	1	0	1	5	1	2	1	0	1	5
4	6	1	0	1	2	1	0	1	0	1	4
3	2	1	0	1	0	1	2	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.5 (6.2)		21.0 (5.0)		21.9 (6.0)		21.6 (4.8)		21.6 (5.0)		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: 48,565

**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	1,913	100	1,085	100	1,371	100	1,397	100	1,842	100	501	100	649	100	18
17	2,376	96	156	98	1,912	97	3,239	97	1,826	96	453	99	35	99	17
16	2,397	91	3,967	97	3,606	93	3,036	90	1,784	92	1,175	98	1,148	99	16
15	2,834	86	3,909	89	2,937	86	3,446	84	2,760	89	1,528	96	2,673	96	15
14	2,790	80	3,353	81	3,072	80	2,455	77	3,591	83	3,774	92	3,648	91	14
13	3,145	75	4,458	74	3,631	73	3,882	72	4,815	76	5,650	85	3,803	83	13
12	3,524	68	5,896	65	6,333	66	4,041	64	3,396	66	4,262	73	5,523	75	12
11	5,048	61	5,869	53	4,339	53	5,202	56	5,979	59	7,149	64	5,457	64	11
10	6,020	51	4,708	41	4,786	44	4,079	45	3,638	46	6,575	50	7,624	53	10
9	4,323	38	5,254	31	5,552	34	4,605	37	4,239	39	7,863	36	6,042	37	9
8	3,557	29	3,327	20	3,948	23	3,539	27	5,544	30	4,230	20	5,143	25	8
7	3,378	22	2,471	14	3,677	15	3,005	20	5,541	19	2,262	11	2,788	14	7
6	2,935	15	1,413	8	1,634	7	3,166	14	2,321	7	1,225	6	1,856	8	6
5	1,890	9	1,255	6	1,017	4	2,152	7	721	3	1,066	4	804	4	5
4	1,315	5	990	3	485	2	805	3	365	1	294	2	785	3	4
3	849	2	385	1	202	1	370	1	154	1	337	1	205	1	3
2	252	1	59	1	46	1	138	1	47	1	79	1	295	1	2
1	19	1	10	1	17	1	8	1	2	1	142	1	87	1	1
Avg (SD)	10.7 (3.8)		11.2 (3.3)		11.2 (3.4)		11.1 (3.8)		10.9 (3.4)		10.6 (2.8)		10.5 (3.0)		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)	26	24	26	24	25
Q2 (50th Percentile)	21	20	21	21	21
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 48,565

**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>48,565</b>	<b>72</b>	<b>22.4</b>	<b>19.9</b>
	Black/African American	6,366	71	17.6	16.5
	American Indian/Alaska Native	240	63	21.4	19.2
	White	36,368	72	23.3	20.5
	Hispanic/Latino	1,707	69	20.9	18.6
	Asian	974	79	24.3	20.4
	Native Hawaiian/Other Pac. Isl.	55	69	20.0	17.9
	Two or more races	1,227	67	21.6	19.8
	Prefer not/No Response	1,628	67	22.7	19.7
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>	21.5	21.0	21.9	21.6	21.6
	Black/African American	16.4	17.0	17.3	17.7	17.2
	American Indian/Alaska Native	19.9	19.7	21.1	20.7	20.5
	White	22.6	21.7	22.8	22.3	22.5
	Hispanic/Latino	19.6	19.6	20.5	20.2	20.1
	Asian	22.9	24.4	22.7	23.3	23.5
	Native Hawaiian/Other Pac. Isl.	18.0	19.1	19.3	19.8	19.3
	Two or more races	20.8	20.0	21.5	21.0	20.9
	Prefer not/No Response	21.2	20.9	21.8	21.1	21.4
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: 48,565

**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	2,511	5	1,234	3	2,654	5	1,059	2
	28 to 32	6,033	12	3,906	8	6,743	14	4,044	8
	24 to 27	9,568	20	10,227	21	8,724	18	10,490	22
	20 to 23	12,729	26	10,949	23	12,493	26	17,609	36
	16 to 19	8,915	18	16,175	33	10,667	22	10,226	21
	13 to 15	5,060	10	5,888	12	5,048	10	3,552	7
	01 to 12	3,749	8	186	0	2,236	5	1,585	3
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	22,130	46	21.3	21.7	21.9	22.2	21.9
	Females	26,403	54	21.8	20.4	21.9	21.0	21.4
	Missing	32	0	17.8	18.3	19.3	18.6	18.7
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	71	50	56	38	31
	Females	74	40	57	27	22
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 48,565

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	34,732	79	22.5	52	21.8	62	22.6	37	22.3	31	22.4
	Less than Core	12,783	60	19.5	28	19.1	45	20.3	20	20.0	14	19.9
	Missing <sup>3</sup>	1,050	34	15.8	12	16.9	23	17.2	8	17.5	5	17.0
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>	45,606	75	21.8	44,332	48	21.4	44,754	58	22.1	39,350	36	22.0
	Less than Core	2,129	54	18.5	3,242	9	16.8	2,946	49	20.9	8,340	17	19.7
	Missing <sup>3</sup>	830	34	15.9	991	12	16.9	865	23	17.2	875	9	17.6
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.

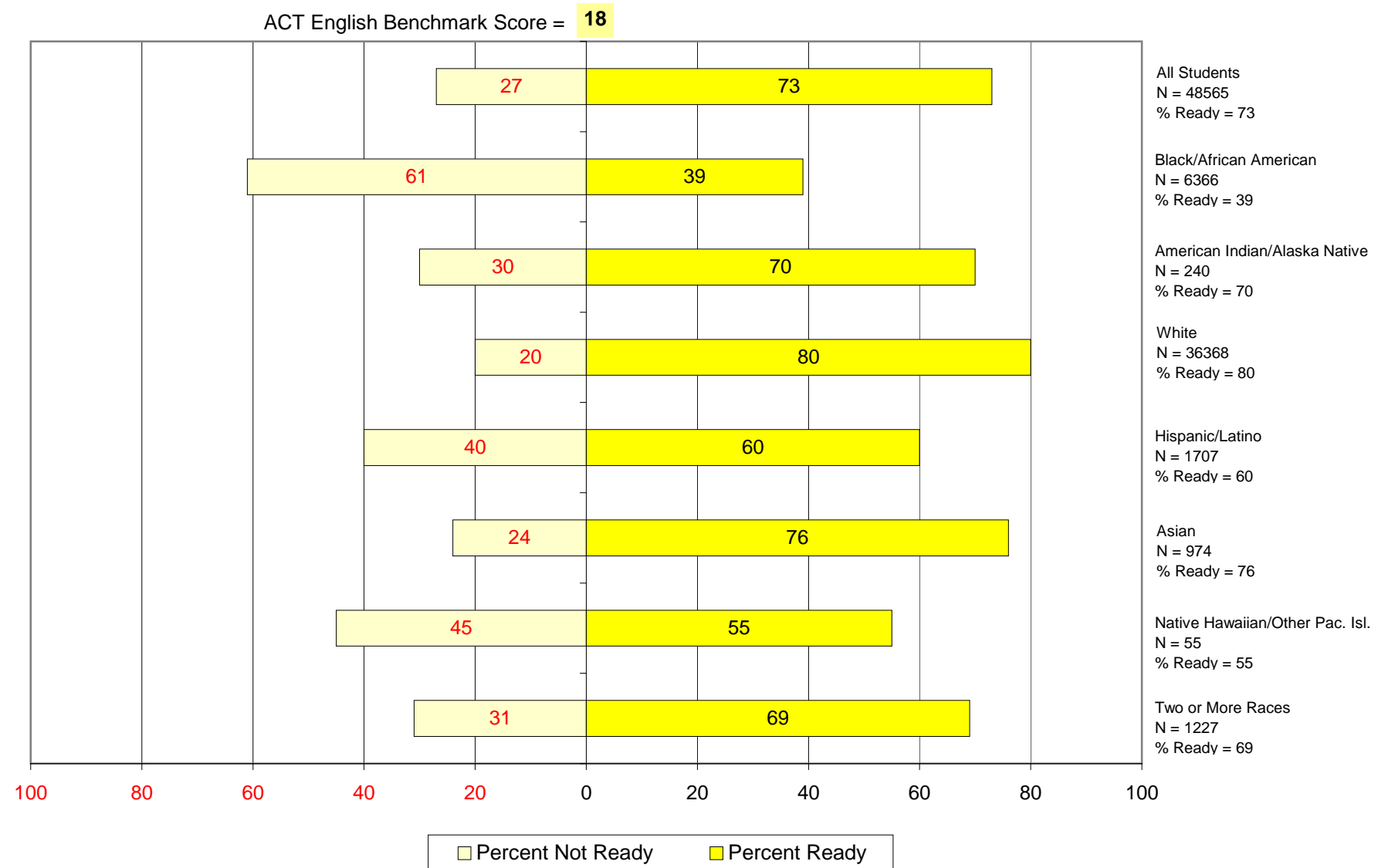
# Section III

## 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: 48,565

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

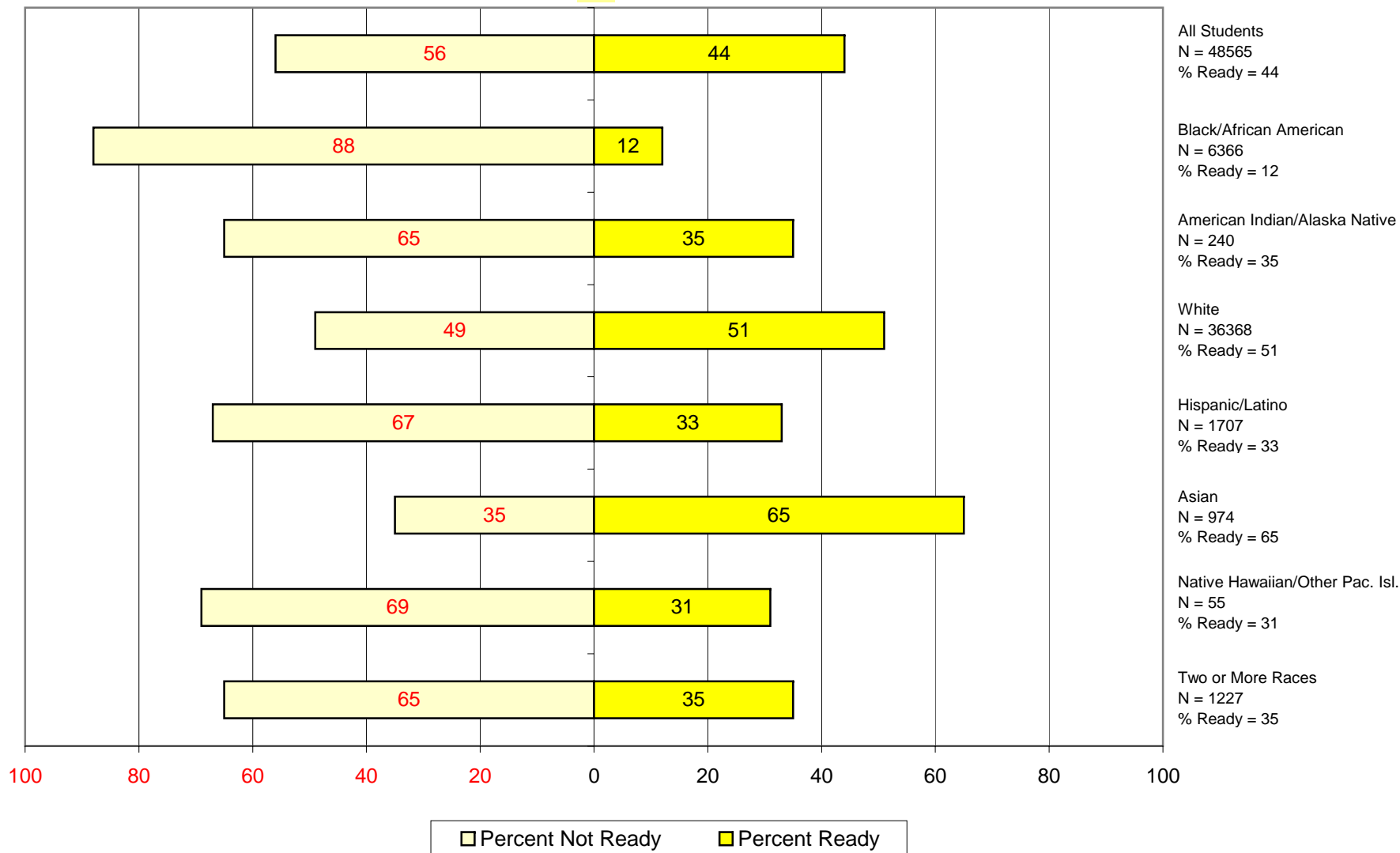


<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 48,565

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

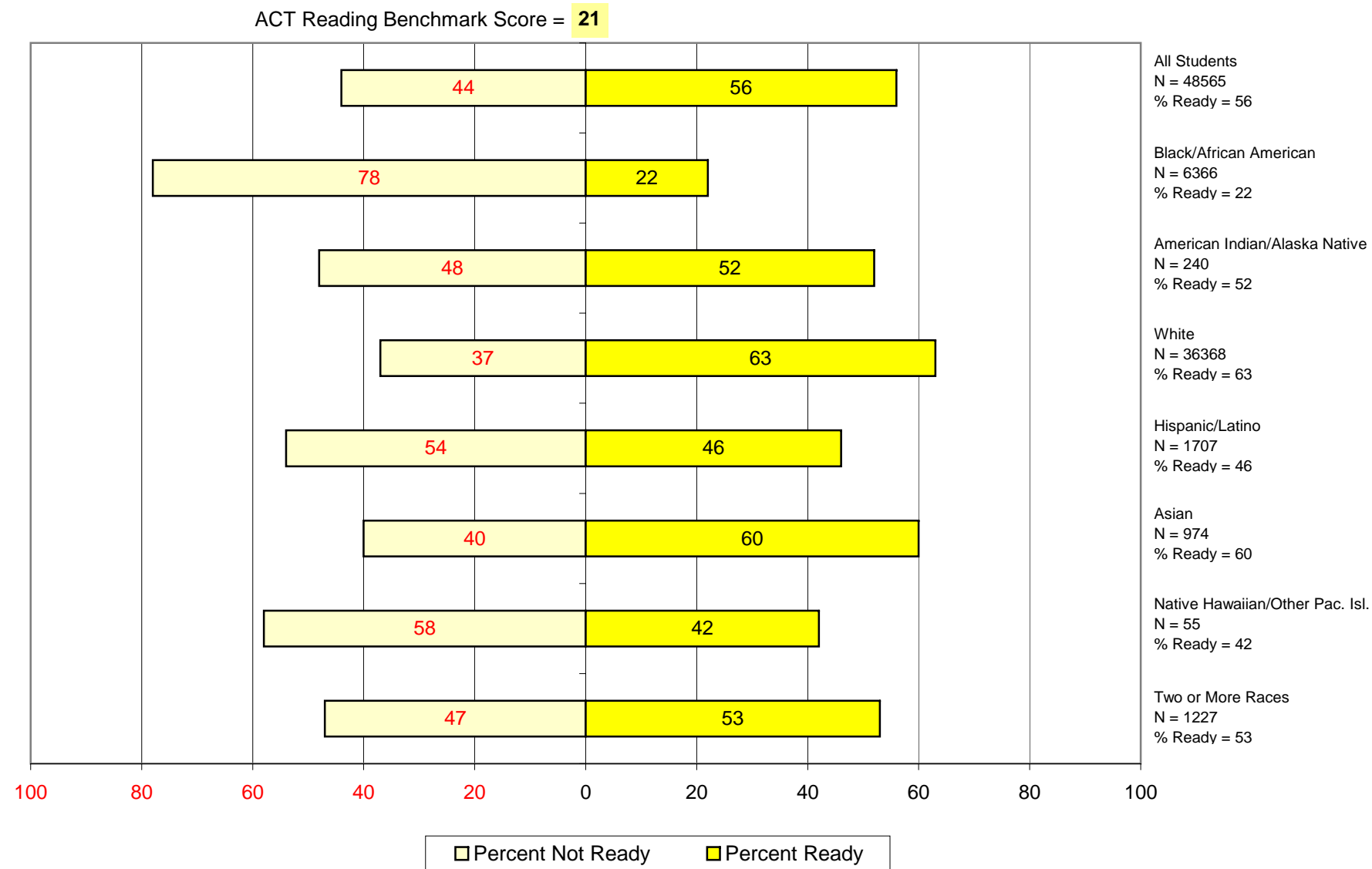
ACT Mathematics Benchmark Score = **22**



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

Total Students in Report: 48,565

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

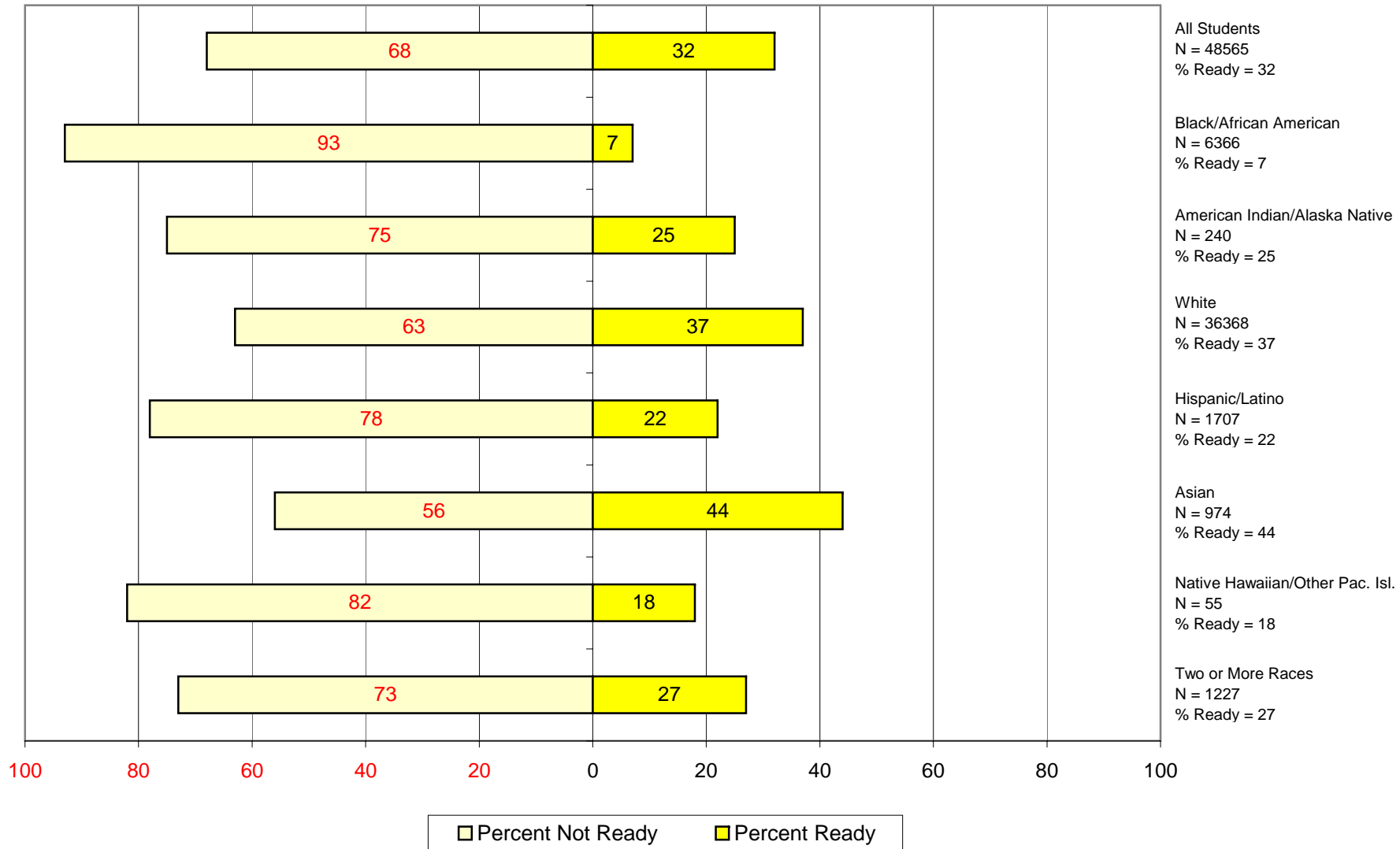


<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 48,565

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

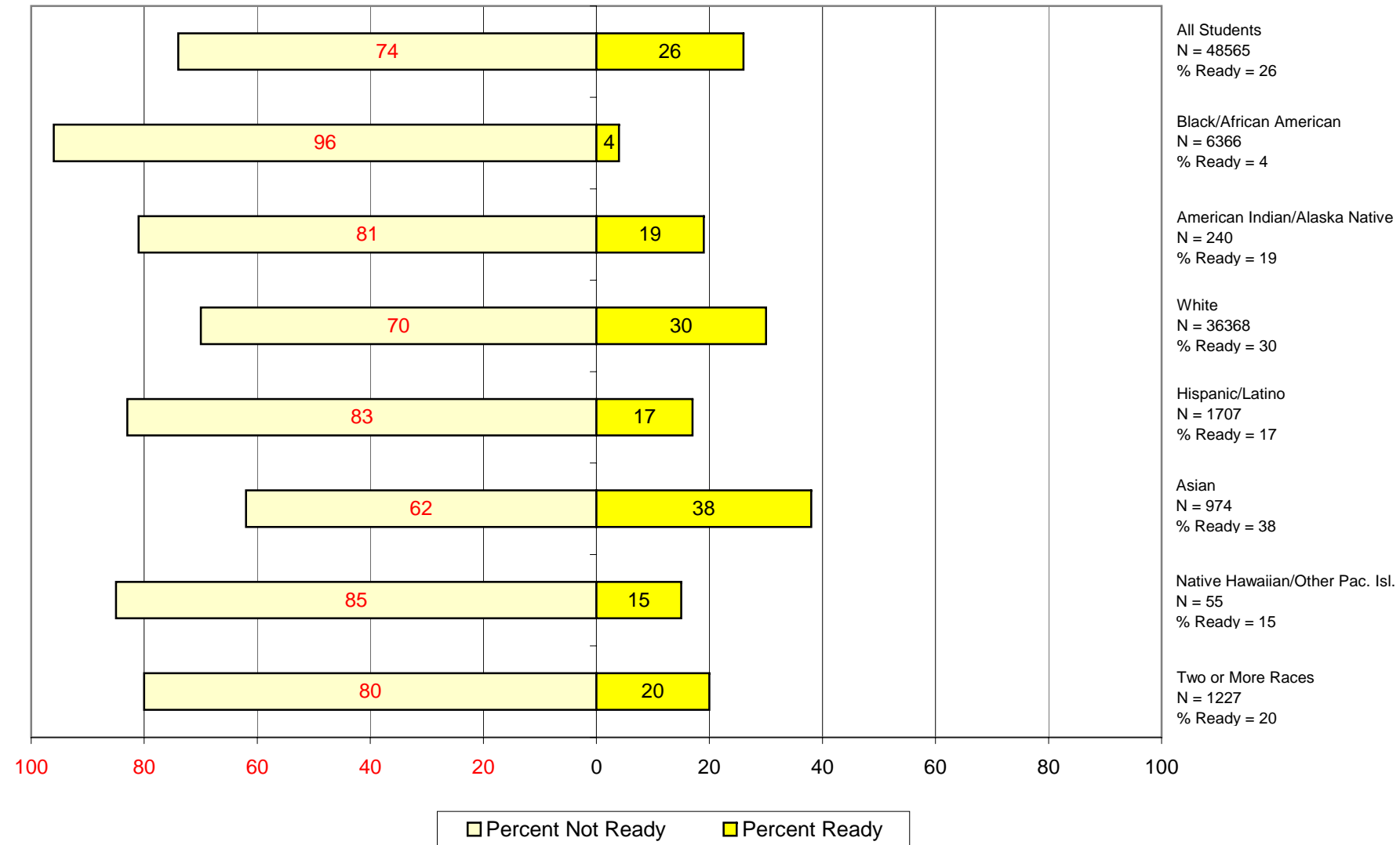
ACT Science Benchmark Score = **24**



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

Total Students in Report: 48,565

**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: 48,565

**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	15,148	31	22.4	3.9	6,084	27	22.0	3.5	9,061	34	22.7	4.1
Eng 9, Eng 10, Eng 11, Eng 12	30,458	63	21.5	3.0	14,620	66	21.4	2.9	15,823	60	21.6	3.0
Less than 4 years of English	2,129	4	18.5	-	985	4	18.5	-	1,139	4	18.6	-
Zero years / no English courses reported	830	2	15.9	-	441	2	15.9	-	380	1	15.9	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	2,454	5	24.1	7.3	1,159	5	25.2	8.0	1,295	5	23.1	6.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,930	12	22.2	5.4	2,196	10	22.9	5.7	3,731	14	21.8	5.3
Alg 1, Alg 2, Geom, & Trig	3,217	7	19.6	2.8	1,416	6	20.2	3.0	1,798	7	19.2	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	8,762	18	20.1	3.3	3,340	15	20.6	3.4	5,418	21	19.7	3.2
Other comb of 4 or more years of Math	14,747	30	23.9	7.1	7,703	35	24.6	7.4	7,043	27	23.1	6.6
Alg 1, Alg 2, & Geom	7,342	15	17.6	0.8	3,289	15	18.1	0.9	4,047	15	17.2	0.7
Other comb of 3 or 3.5 years of Math	1,880	4	20.0	3.2	980	4	20.1	2.9	898	3	19.8	3.3
Less than 3 years of Math	3,242	7	16.8	-	1,532	7	17.2	-	1,707	6	16.5	-
Zero years / no Math courses reported	991	2	16.9	-	515	2	17.3	-	466	2	16.5	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	2,390	5	22.5	1.6	1,267	6	22.5	1.3	1,123	4	22.4	1.7
Other comb of 4 or more years Social Science	23,119	48	22.6	1.7	10,425	47	22.6	1.4	12,689	48	22.6	1.9
US Hist, World Hist, & Am Gov	5,563	11	20.1	-0.8	2,744	12	20.2	-1.0	2,812	11	20.0	-0.7
Other comb of 3 or 3.5 years of Social Science	13,682	28	21.9	1.0	5,784	26	21.9	0.7	7,891	30	21.9	1.2
Less than 3 years of Social Science	2,946	6	20.9	-	1,449	7	21.2	-	1,493	6	20.7	-
Zero years / no Social Science courses reported	865	2	17.2	-	461	2	17.1	-	395	1	17.3	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	18,105	37	22.7	3.0	9,139	41	23.4	3.4	8,958	34	22.0	2.5
Bio, Chem, Phys	3,957	8	23.1	3.4	1,897	9	24.2	4.2	2,058	8	22.0	2.5
Gen Sci <sup>2</sup> , Bio, Chem	15,758	32	21.1	1.4	6,125	28	21.5	1.5	9,627	36	20.8	1.3
Other comb of 3 years of Natural Science	1,530	3	21.3	1.6	870	4	22.0	2.0	660	2	20.3	0.8
Less than 3 years of Natural Science	8,340	17	19.7	-	3,637	16	20.0	-	4,697	18	19.5	-
Zero years / no Natural Science courses reported	875	2	17.6	-	462	2	17.9	-	403	2	17.2	-

<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: 48,565

**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	15,148	31	22.4	78	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	30,458	63	21.5	73	1,143,409	70	20.6	66
Less than 4 years of English	2,129	4	18.5	54	66,225	4	16.6	40
Zero years / no English courses reported	830	2	15.9	34	46,708	3	16.5	39
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,454	5	24.1	69	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,930	12	22.2	60	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	3,217	7	19.6	34	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	8,762	18	20.1	37	271,304	17	19.9	36
Other comb of 4 or more years of Math	14,747	30	23.9	67	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	7,342	15	17.6	13	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	1,880	4	20.0	34	78,953	5	19.9	35
Less than 3 years of Math	3,242	7	16.8	9	79,145	5	16.4	8
Zero years / no Math courses reported	991	2	16.9	12	49,542	3	18.1	21
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	2,390	5	22.5	59	47,284	3	22.5	59
Other comb of 4 or more years Social Science	23,119	48	22.6	62	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	5,563	11	20.1	43	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	13,682	28	21.9	56	445,631	27	21.1	51
Less than 3 years of Social Science	2,946	6	20.9	49	149,746	9	19.7	40
Zero years / no Social Science courses reported	865	2	17.2	23	49,114	3	17.9	28
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	18,105	37	22.7	42	686,167	42	22.1	39
Bio, Chem, Phys	3,957	8	23.1	45	160,020	10	23.1	46
Gen Sci <sup>1</sup> , Bio, Chem	15,758	32	21.1	27	476,294	29	20.1	21
Other comb of 3 years of Natural Science	1,530	3	21.3	29	45,296	3	19.6	20
Less than 3 years of Natural Science	8,340	17	19.7	17	205,148	13	18.3	12
Zero years / no Natural Science courses reported	875	2	17.6	9	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: 48,565

**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	1,041	2	19.8	121	5	17.0	895	2	20.3
Architecture	488	1	22.3	15	1	17.3	459	1	22.5
Area, Ethnic, & Multidisciplinary Studies	72	0	24.9	0	0	.	68	0	25.1
Arts: Visual & Performing	3,528	7	21.3	192	7	17.3	3,119	7	21.5
Business	4,750	10	21.2	234	9	17.2	4,303	10	21.4
Communications	1,126	2	22.1	36	1	17.7	1,056	2	22.3
Community, Family, & Personal Services	1,518	3	19.3	177	7	17.7	1,266	3	19.6
Computer Science & Mathematics	1,331	3	22.8	78	3	19.5	1,176	3	23.1
Education	4,147	9	20.9	115	4	16.5	3,912	9	21.1
Engineering	2,138	4	23.8	101	4	17.7	1,958	5	24.2
Engineering Technology & Drafting	1,465	3	22.9	89	3	17.6	1,328	3	23.4
English & Foreign Languages	554	1	24.1	17	1	18.2	510	1	24.4
Health Administration & Assisting	1,044	2	18.5	111	4	16.7	877	2	18.9
Health Sciences & Technologies	9,329	19	21.4	485	18	17.8	8,531	20	21.6
Philosophy, Religion, & Theology	283	1	22.9	7	0	18.4	260	1	22.9
Repair, Production, & Construction	632	1	18.4	303	12	17.4	293	1	19.5
Sciences: Biological & Physical	2,629	5	24.0	33	1	16.9	2,505	6	24.1
Social Sciences & Law	3,172	7	22.0	71	3	17.6	2,982	7	22.1
Undecided	8,168	17	22.4	396	15	17.5	7,001	16	22.8
No Response	1,150	2	17.4	52	2	15.0	202	0	18.2

<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: 48,565

**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	584	17.1	117	14.1	3	11.7	412	18.0	17	16.7
2-yr College Degree	2,049	17.5	324	14.6	16	17.3	1,489	18.3	74	16.7
Bachelors Degree	23,756	20.6	2,908	16.5	114	19.3	18,509	21.4	779	19.3
Graduate Study	7,567	24.0	744	18.9	37	22.6	6,015	24.7	230	22.8
Prof. Level Degree	11,378	23.6	1,726	18.8	59	23.2	7,869	24.7	439	21.9
Other	826	18.9	147	15.1	3	15.3	558	20.0	30	17.7
No Response	2,405	20.2	400	15.8	8	19.4	1,516	21.7	138	17.2

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	584	17.1	7	17.3	0	.	11	17.8	17	16.2
2-yr College Degree	2,049	17.5	17	17.2	6	17.8	59	17.6	64	17.1
Bachelors Degree	23,756	20.6	272	20.1	23	18.3	550	19.8	601	20.5
Graduate Study	7,567	24.0	151	24.7	4	18.5	156	23.3	230	23.5
Prof. Level Degree	11,378	23.6	453	25.7	20	20.7	365	22.8	447	23.4
Other	826	18.9	16	22.9	0	.	29	17.7	43	18.4
No Response	2,405	20.2	58	21.2	2	22.0	57	19.7	226	19.5

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

Total Students in Report: 48,565

**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 MISSOURI-COLUMBIA	Missouri	9,722	4,122	5,600	1	4	16	32	29	17	2
MISSOURI STATE UNIVERSITY	Missouri	7,186	2,349	4,837	1	5	22	36	26	11	1
UNIVERSITY OF CENTRAL MISSOURI	Missouri	3,550	1,124	2,426	1	8	29	36	19	6	0
SOUTHEAST MISSOURI STATE UNIVERSITY	Missouri	3,363	1,225	2,138	1	8	28	34	21	8	0
NORTHWEST MISSOURI ST UNIV	Missouri	2,801	1,015	1,786	1	8	29	36	19	6	0
UNIV OF MISSOURI-KANSAS CITY	Missouri	2,755	797	1,958	2	8	21	30	26	13	2
TRUMAN STATE UNIVERSITY	Missouri	2,537	754	1,783	0	2	10	27	33	24	3
SAINT LOUIS UNIVERSITY	Missouri	1,829	473	1,356	1	6	15	24	27	24	3
MISSOURI UNIV OF SCIENCE & TECHNOLOGY	Missouri	1,735	780	955	0	1	8	20	36	30	5
LINDENWOOD UNIVERSITY	Missouri	1,711	546	1,165	1	9	28	35	19	7	0
UNIVERSITY OF MISSOURI-ST LOUIS	Missouri	1,616	323	1,293	2	11	26	31	21	9	0
MISSOURI WESTERN STATE UNIVERSITY	Missouri	1,590	621	969	3	15	34	32	13	4	0
MISSOURI SOUTHERN STATE UNIV	Missouri	1,295	453	842	1	10	34	35	15	5	0
NCAA ELIGIBILITY CENTER	Indiana	1,229	585	644	1	7	22	33	27	10	1
WASHINGTON UNIVERSITY IN ST LOUIS	Missouri	1,211	305	906	1	5	11	18	20	34	10
COLLEGE OF THE OZARKS	Missouri	1,201	557	644	1	8	28	38	19	5	0
DRURY UNIVERSITY	Missouri	1,167	296	871	0	4	19	32	27	17	1
UNIVERSITY OF KANSAS	Kansas	1,135	324	811	1	5	16	27	31	18	1
OZARKS TECHNICAL COMMUNITY COLLEGE	Missouri	1,095	398	697	1	13	35	34	14	3	0
UNIVERSITY OF ARKANSAS	Arkansas	834	262	572	0	3	13	29	36	17	2
SOUTHWEST BAPTIST UNIVERSITY	Missouri	717	222	495	1	5	24	36	24	10	1
COLUMBIA COLLEGE	Missouri	688	194	494	2	10	30	37	17	4	0
CROWDER COLLEGE	Missouri	684	272	412	2	14	40	30	11	3	0
WEBSTER UNIVERSITY	Missouri	674	189	485	2	6	19	30	28	14	1
KANSAS STATE UNIVERSITY	Kansas	667	167	500	1	10	20	29	23	16	1
MARYVILLE UNIV OF SAINT LOUIS	Missouri	652	183	469	0	5	21	37	25	12	0
LINCOLN UNIVERSITY	Missouri	629	194	435	7	27	36	23	6	1	0
CENTRAL METHODIST UNIVERSITY	Missouri	616	202	414	1	6	30	38	20	5	0
ST CHARLES COMMUNITY COLLEGE	Missouri	596	290	306	1	8	33	39	15	4	0
WILLIAM JEWELL COLLEGE	Missouri	578	129	449	1	4	18	32	28	17	1
All Other Institutions		37,331	11,267	26,064	2	10	24	27	20	14	3
<b>Total</b>		<b>93,394</b>	<b>30,618</b>	<b>62,776</b>	<b>1</b>	<b>8</b>	<b>23</b>	<b>30</b>	<b>23</b>	<b>13</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: 48,565

**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>7,708</b>	<b>905,035</b>	<b>24.6</b>	<b>21.5</b>	<b>7.2</b>	<b>7.1</b>	<b>23.2</b>	<b>20.8</b>
Black/African American	1,069	112,251	18.9	16.7	6.5	6.3	18.3	16.5
American Indian/Alaska Native	40	5,519	23.8	18.4	7.5	6.5	22.9	18.0
White	5,343	522,234	25.9	23.2	7.4	7.3	24.2	22.2
Hispanic/Latino	330	128,599	21.4	18.4	7.0	6.8	20.6	18.2
Asian	341	51,829	26.5	23.8	7.8	7.6	25.1	22.9
Native Hawaiian/Other Pac. Isl.	7	1,332	19.7	19.7	6.7	7.2	19.3	19.5
Two or more races	246	27,722	23.2	21.6	7.1	7.0	22.0	20.8
Prefer not/No Response	332	55,549	25.1	21.3	7.3	7.0	23.6	20.5
Males	3,341	399,206	24.7	21.3	7.1	6.8	23.1	20.3
Females	4,363	503,699	24.5	21.8	7.4	7.3	23.2	21.1
Missing	4	2,130	21.0	17.6	5.5	6.2	19.0	17.1

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





