

# ACT Profile Report - State

Graduating Class 2011  
West Virginia





## 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

17% 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:** 11,505 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. 77% 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 4% of the cohort took less than three years of math courses. Of these students, 2% were college ready. 14% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 4% of these students were college ready. In comparison, 39% 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. 10% of these students were college ready. In comparison, 26% 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 57% 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.

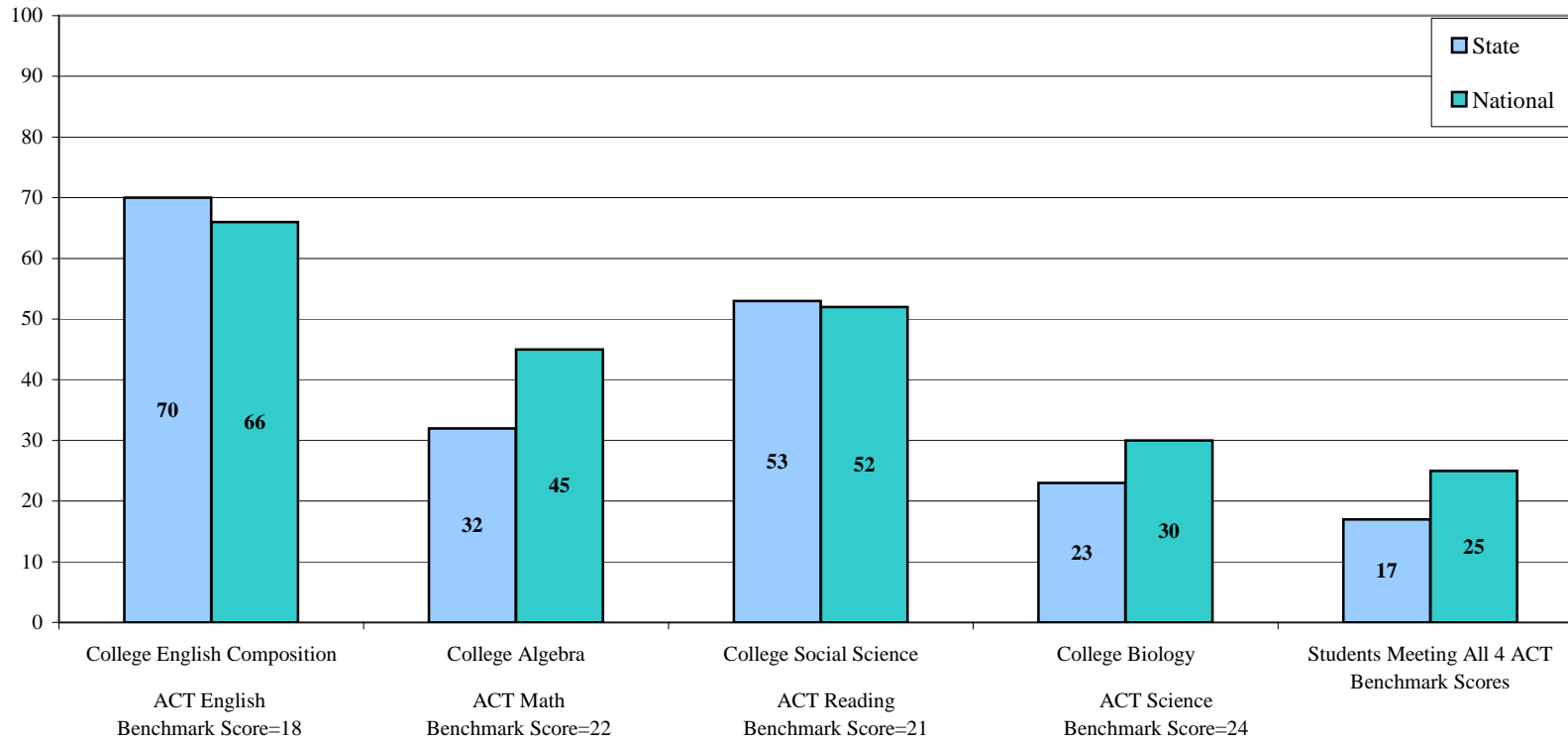
# Section I

## 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: 11,505

**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: 11,505

**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	11,480	1,300,599	72	69	30	43	50	53	22	28	16	23
2008	11,603	1,421,941	72	68	31	43	52	53	23	28	16	22
2009	11,696	1,480,469	71	67	30	42	54	53	25	28	17	23
2010	11,569	1,568,835	71	66	32	43	54	52	24	29	18	24
<b>2011</b>	<b>11,505</b>	<b>1,623,112</b>	<b>70</b>	<b>66</b>	<b>32</b>	<b>45</b>	<b>53</b>	<b>52</b>	<b>23</b>	<b>30</b>	<b>17</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	11,480	1,300,599	20.8	20.7	19.5	21.0	21.2	21.5	20.5	21.0	20.6	21.2
2008	11,603	1,421,941	20.8	20.6	19.6	21.0	21.4	21.4	20.5	20.8	20.7	21.1
2009	11,696	1,480,469	20.8	20.6	19.6	21.0	21.4	21.4	20.5	20.9	20.7	21.1
2010	11,569	1,568,835	20.7	20.5	19.6	21.0	21.3	21.3	20.6	20.9	20.7	21.0
<b>2011</b>	<b>11,505</b>	<b>1,623,112</b>	<b>20.6</b>	<b>20.6</b>	<b>19.5</b>	<b>21.1</b>	<b>21.2</b>	<b>21.3</b>	<b>20.5</b>	<b>20.9</b>	<b>20.6</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: 11,505

**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	2,846	7,401	25	64	22.4	20.1	21.1	18.9	22.7	20.6	21.9	20.0	22.1	20.1
2008	5,884	5,232	51	45	22.1	19.5	20.7	18.3	22.4	20.3	21.5	19.4	21.8	19.5
2009	7,564	3,879	65	33	21.9	19.0	20.5	17.9	22.3	19.9	21.4	19.0	21.7	19.1
2010	8,203	3,149	71	27	21.6	18.6	20.4	17.9	22.1	19.6	21.3	18.9	21.5	18.9
<b>2011</b>	<b>8,847</b>	<b>2,414</b>	<b>77</b>	<b>21</b>	<b>21.4</b>	<b>18.4</b>	<b>20.1</b>	<b>17.6</b>	<b>21.9</b>	<b>19.3</b>	<b>21.1</b>	<b>18.6</b>	<b>21.2</b>	<b>18.6</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.

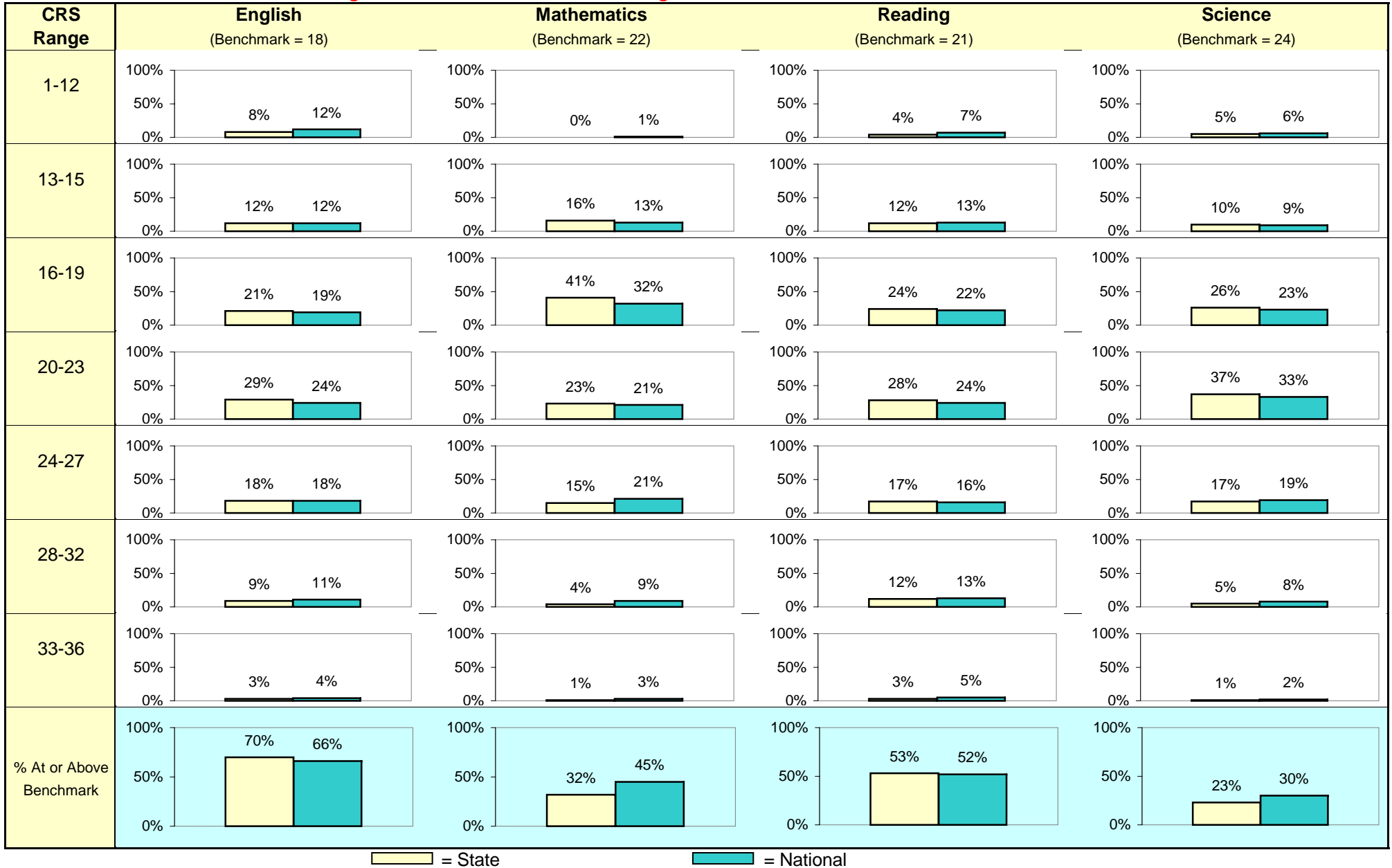
**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity<sup>1</sup>**

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>11,480</b>	<b>100</b>	<b>20.6</b>	<b>11,603</b>	<b>100</b>	<b>20.7</b>	<b>11,696</b>	<b>100</b>	<b>20.7</b>	<b>11,569</b>	<b>100</b>	<b>20.7</b>	<b>11,505</b>	<b>100</b>	<b>20.6</b>
Black/African American	344	3	17.5	374	3	17.3	391	3	17.5	418	4	17.4	406	4	17.6
American Indian/Alaska Native	44	0	19.6	38	0	19.7	41	0	19.8	46	0	20.5	46	0	19.0
White	9,825	86	20.7	10,366	89	20.7	10,503	90	20.8	10,374	90	20.8	10,195	89	20.7
Hispanic/Latino	84	1	20.6	88	1	20.1	120	1	20.2	102	1	19.4	167	1	20.5
Asian	85	1	23.0	82	1	23.5	126	1	23.3	113	1	23.4	106	1	24.4
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	5	0	22.4
Two or more races	128	1	19.4	140	1	20.0	176	2	21.1	195	2	20.5	259	2	20.2
Prefer not to respond/No response	970	8	21.3	515	4	21.7	339	3	20.8	321	3	20.5	321	3	20.4

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

Total Students in Report: 11,505

**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: 11,505

**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	19	100	13	100	42	100	18	100	2	100	36
35	67	100	12	100	52	100	27	100	9	100	35
34	93	99	40	100	116	99	21	100	24	100	34
33	110	98	27	99	174	98	54	99	31	100	33
32	154	97	53	99	184	97	37	99	84	99	32
31	135	96	58	99	225	95	59	99	97	99	31
30	166	95	91	98	295	93	102	98	148	98	30
29	247	94	107	97	289	91	130	97	166	97	29
28	354	91	193	97	340	88	232	96	264	95	28
27	377	88	257	95	359	85	286	94	354	93	27
26	421	85	330	93	427	82	369	92	494	90	26
25	532	81	453	90	530	78	580	88	559	85	25
24	791	77	643	86	651	74	758	83	700	81	24
23	626	70	791	80	692	68	1,057	77	856	75	23
22	831	64	603	73	902	62	992	68	942	67	22
21	1,013	57	535	68	828	54	1,140	59	807	59	21
20	887	48	728	63	813	47	1,062	49	917	52	20
19	647	41	603	57	682	40	920	40	1,004	44	19
18	532	35	954	52	799	34	897	32	963	35	18
17	576	30	1,310	44	638	27	677	24	876	27	17
16	636	25	1,820	32	606	21	470	18	738	19	16
15	660	20	1,283	16	521	16	477	14	559	13	15
14	456	14	414	5	495	12	339	10	462	8	14
13	281	10	154	2	329	7	282	7	255	4	13
12	270	8	21	1	269	4	215	5	146	2	12
11	213	5	11	1	153	2	141	3	40	1	11
10	166	4	1	1	53	1	107	1	7	1	10
9	143	2	0	1	20	1	43	1	1	1	9
8	75	1	0	1	15	1	11	1	0	1	8
7	23	1	0	1	1	1	1	1	0	1	7
6	3	1	0	1	2	1	1	1	0	1	6
5	1	1	0	1	2	1	0	1	0	1	5
4	0	1	0	1	1	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	20.6 (5.7)		19.5 (4.4)		21.2 (5.6)		20.5 (4.5)		20.6 (4.5)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 11,505

**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	260	100	80	100	172	100	225	100	211	100	33	100	50	100	18
17	385	98	17	99	296	99	650	98	239	98	46	100	4	100	17
16	461	94	569	99	666	96	579	92	277	96	103	99	124	100	16
15	582	90	645	94	591	90	775	87	481	94	198	98	315	98	15
14	667	85	722	89	594	85	628	81	625	90	538	97	558	96	14
13	708	80	1,039	82	896	80	974	75	858	84	901	92	683	91	13
12	907	73	1,344	73	1,448	72	1,046	67	706	77	893	84	1,161	85	12
11	1,252	65	1,534	62	1,048	59	1,284	58	1,441	70	1,503	76	1,365	75	11
10	1,612	55	1,301	48	1,356	50	965	46	868	58	1,896	63	1,887	63	10
9	1,158	41	1,512	37	1,535	39	1,203	38	1,281	50	2,174	47	1,737	47	9
8	976	31	905	24	1,149	25	885	28	1,668	39	1,440	28	1,570	31	8
7	841	22	735	16	910	15	684	20	1,818	25	723	15	816	18	7
6	695	15	421	10	390	7	731	14	703	9	499	9	565	11	6
5	449	9	315	6	247	4	549	8	188	3	309	5	275	6	5
4	341	5	251	3	137	2	200	3	92	1	106	2	228	3	4
3	163	2	92	1	54	1	99	1	39	1	85	1	64	1	3
2	47	1	20	1	13	1	27	1	8	1	31	1	81	1	2
1	1	1	3	1	3	1	1	1	2	1	27	1	22	1	1
Avg (SD)	10.4 (3.6)		10.6 (3.1)		10.8 (3.2)		10.8 (3.6)		10.1 (3.2)		9.8 (2.6)		9.7 (2.7)		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)	24	23	25	23	24
Q2 (50th Percentile)	21	18	21	21	20
Q1 (25th Percentile)	16	16	17	18	17

Total Students in Report: 11,505

**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>11,505</b>	<b>77</b>	<b>21.2</b>	<b>18.6</b>
	Black/African American	406	70	18.2	16.4
	American Indian/Alaska Native	46	57	21.4	16.0
	White	10,195	78	21.3	18.7
	Hispanic/Latino	167	77	21.0	19.5
	Asian	106	81	25.0	22.2
	Native Hawaiian/Other Pac. Isl.	5	60	22.7	22.0
	Two or more races	259	73	20.8	18.7
	Prefer not/No Response	321	60	22.0	18.4
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>	20.6	19.5	21.2	20.5	20.6
	Black/African American	16.9	17.3	17.9	17.9	17.6
	American Indian/Alaska Native	18.7	18.2	20.1	18.6	19.0
	White	20.8	19.6	21.3	20.6	20.7
	Hispanic/Latino	20.3	19.6	21.2	20.5	20.5
	Asian	24.3	25.3	24.1	23.5	24.4
	Native Hawaiian/Other Pac. Isl.	20.6	21.4	23.0	23.2	22.4
	Two or more races	20.1	18.9	21.3	19.9	20.2
	Prefer not/No Response	20.4	19.4	21.2	20.0	20.4
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: 11,505

**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	289	3	92	1	384	3	120	1
	28 to 32	1,056	9	502	4	1,333	12	560	5
	24 to 27	2,121	18	1,683	15	1,967	17	1,993	17
	20 to 23	3,357	29	2,657	23	3,235	28	4,251	37
	16 to 19	2,391	21	4,687	41	2,725	24	2,964	26
	13 to 15	1,397	12	1,851	16	1,345	12	1,098	10
	01 to 12	894	8	33	0	516	4	519	5
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	5,118	44	20.2	20.2	21.2	21.0	20.8
	Females	6,369	55	20.9	19.0	21.3	20.1	20.4
	Missing	18	0	17.2	18.2	19.9	18.7	18.6
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	67	37	52	29	22
	Females	72	28	54	19	14
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 11,505

**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>	8,847	75	21.4	37	20.1	58	21.9	27	21.1	20	21.2
	Less than Core	2,414	53	18.4	15	17.6	38	19.3	12	18.6	7	18.6
	Missing <sup>3</sup>	244	33	15.8	9	16.6	24	17.4	7	17.0	2	16.8
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>	11,082	70	20.7	10,841	34	19.8	10,775	54	21.4	9,437	26	21.0
	Less than Core	214	57	18.9	443	2	15.6	516	40	19.8	1,844	10	18.4
	Missing <sup>3</sup>	209	34	16.0	221	9	16.7	214	25	17.5	224	7	17.2
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.

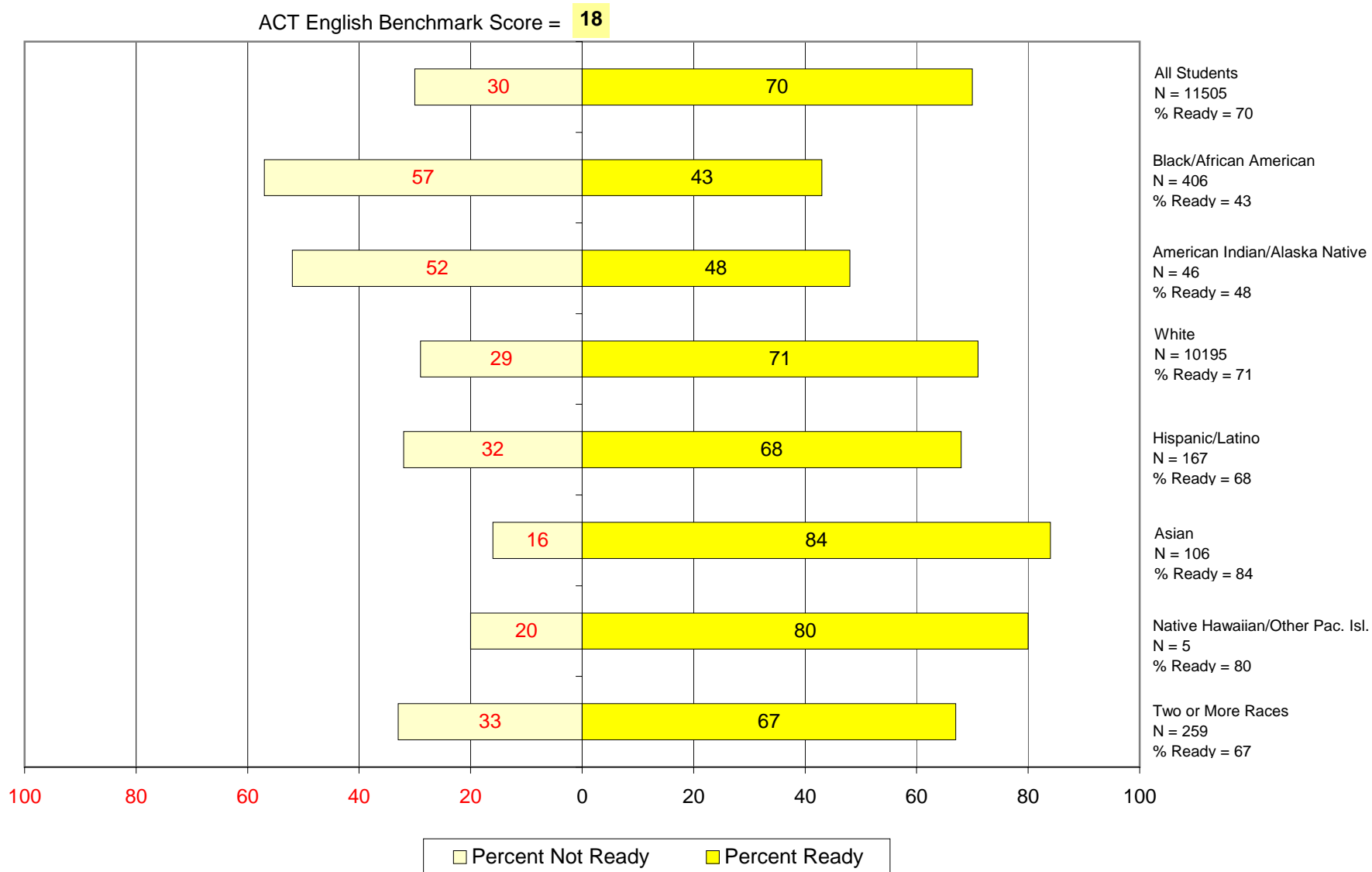
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

## College Readiness and the Impact of Course Rigor

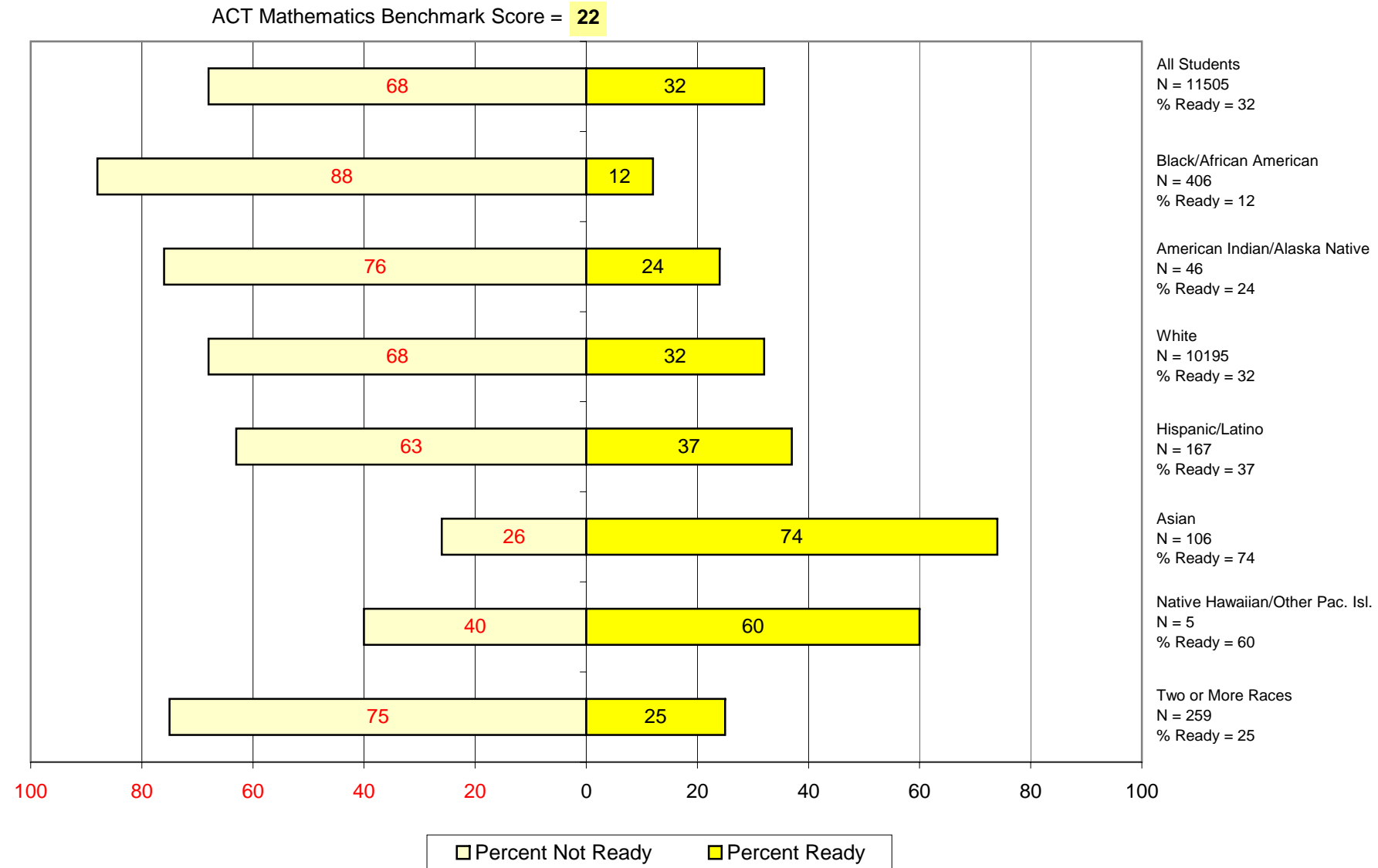
Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity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

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



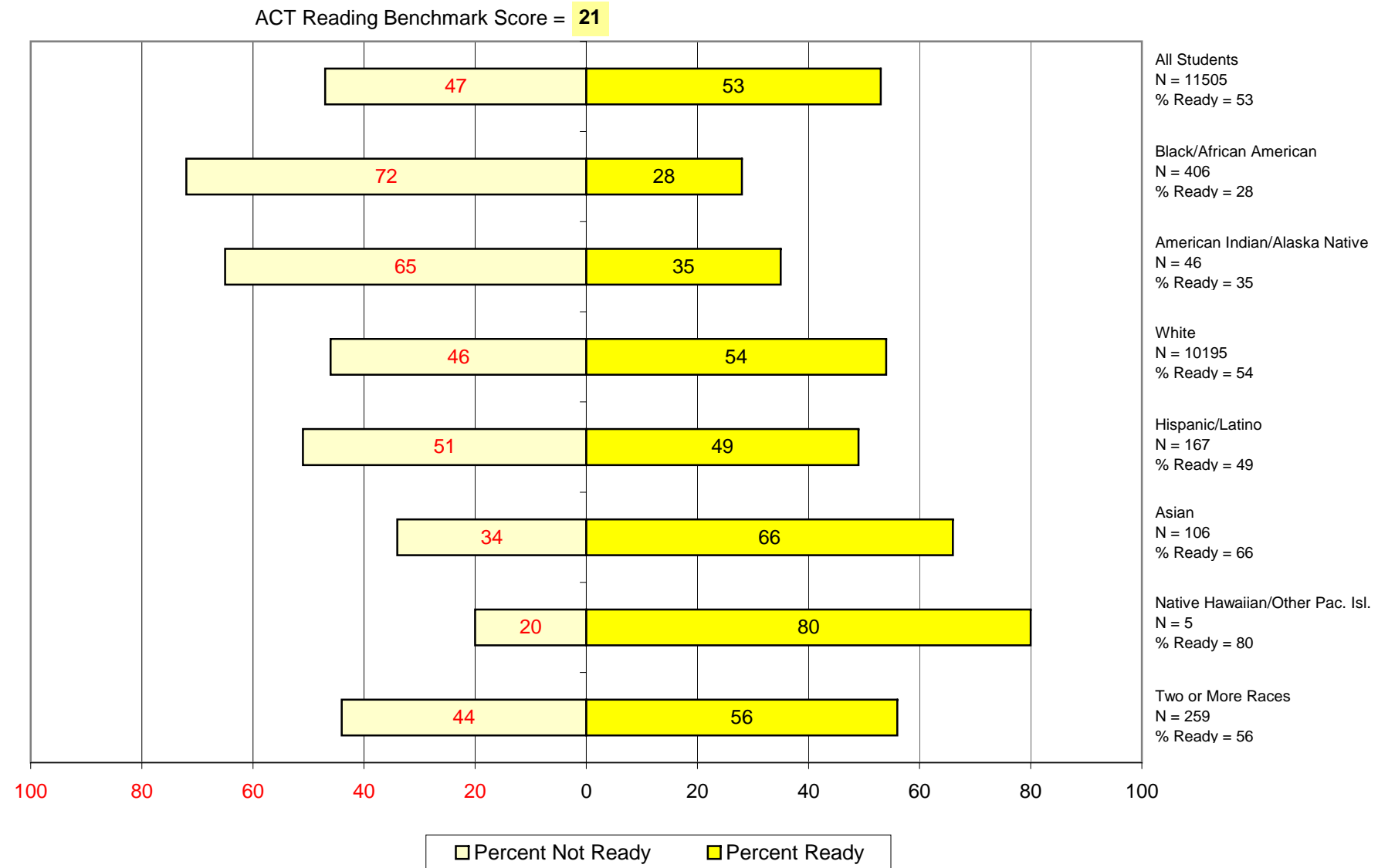
<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

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



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

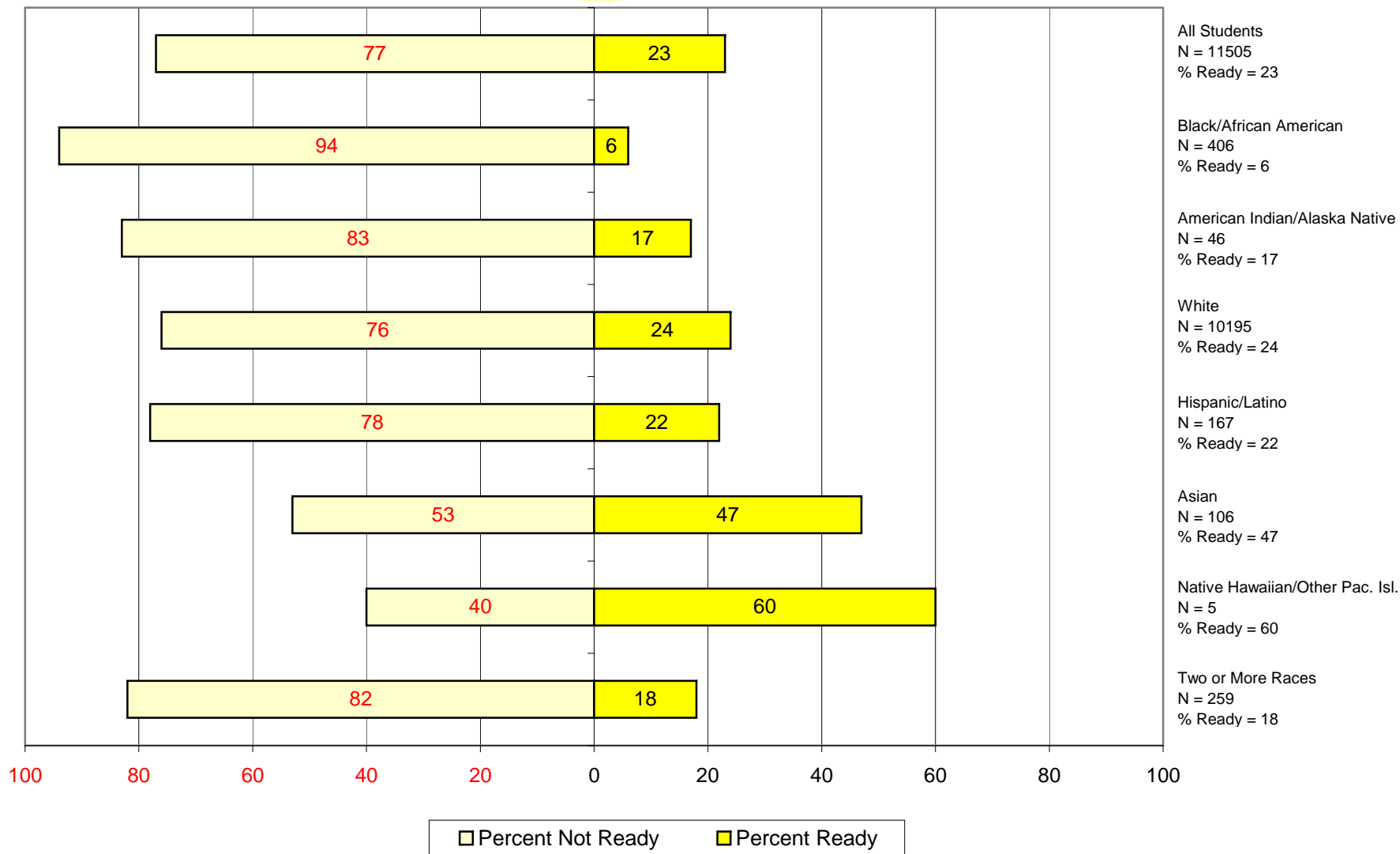
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: READING**



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

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

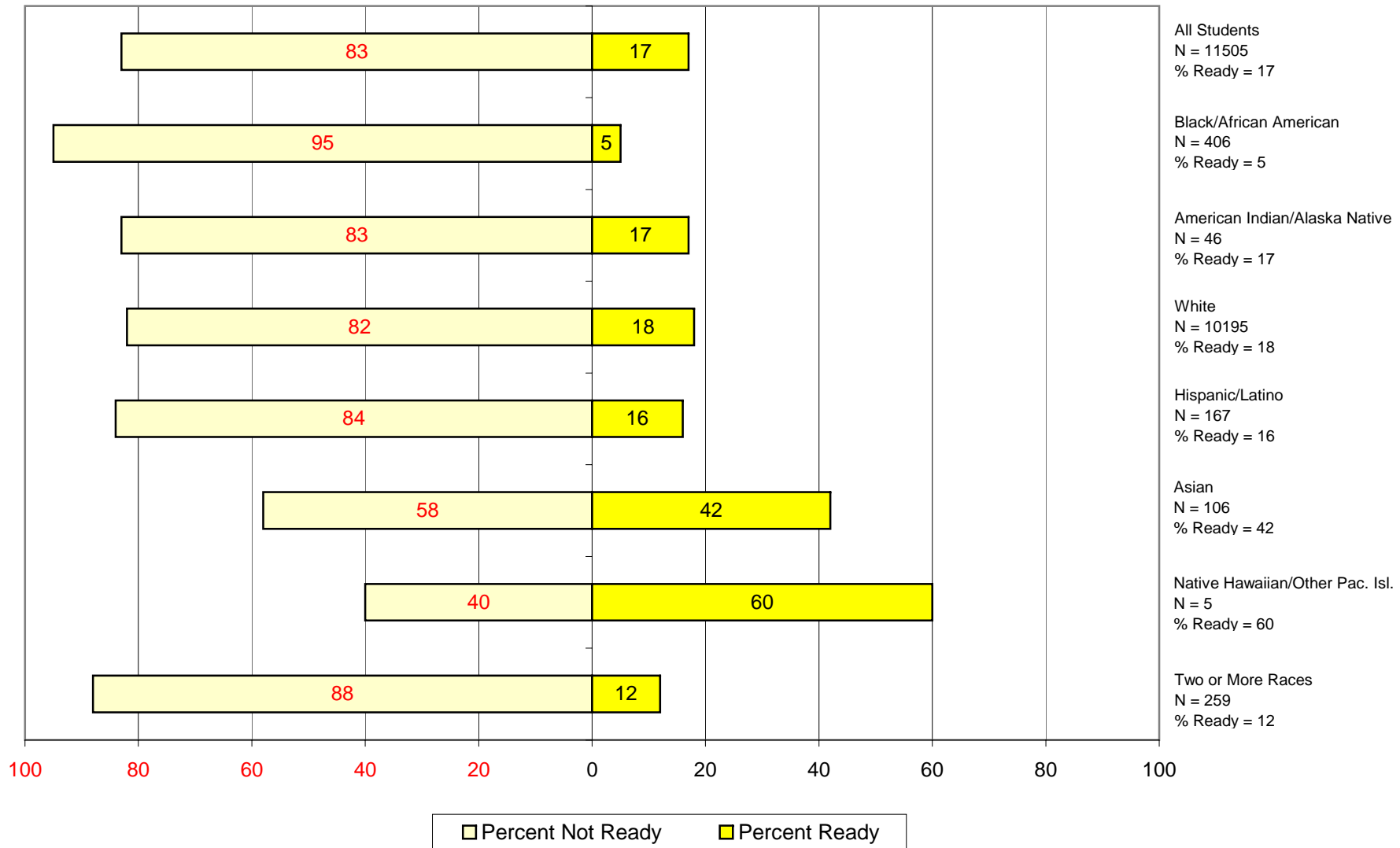
ACT Science Benchmark Score = **24**



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

Total Students in Report: 11,505

**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: 11,505

**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	2,814	24	21.9	3.0	1,129	22	21.4	2.0	1,683	26	22.3	3.8
Eng 9, Eng 10, Eng 11, Eng 12	8,268	72	20.3	1.4	3,746	73	20.1	0.7	4,511	71	20.6	2.1
Less than 4 years of English	214	2	18.9	-	102	2	19.4	-	110	2	18.5	-
Zero years / no English courses reported	209	2	16.0	-	141	3	16.2	-	65	1	15.5	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	686	6	22.4	6.8	323	6	23.6	7.7	363	6	21.4	5.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,775	15	20.8	5.2	683	13	21.4	5.5	1,090	17	20.3	4.8
Alg 1, Alg 2, Geom, & Trig	1,910	17	18.7	3.1	802	16	19.3	3.4	1,108	17	18.3	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	1,472	13	17.7	2.1	564	11	18.0	2.1	906	14	17.5	2.0
Other comb of 4 or more years of Math	3,086	27	22.1	6.5	1,563	31	22.8	6.9	1,522	24	21.5	6.0
Alg 1, Alg 2, & Geom	1,567	14	16.5	0.9	655	13	16.8	0.9	903	14	16.3	0.8
Other comb of 3 or 3.5 years of Math	345	3	17.2	1.6	184	4	17.5	1.6	161	3	16.8	1.3
Less than 3 years of Math	443	4	15.6	-	199	4	15.9	-	243	4	15.5	-
Zero years / no Math courses reported	221	2	16.7	-	145	3	17.0	-	73	1	15.8	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	2,023	18	20.7	0.9	938	18	20.7	0.5	1,079	17	20.7	1.3
Other comb of 4 or more years Social Science	4,335	38	21.9	2.1	1,879	37	21.9	1.7	2,454	39	22.0	2.6
US Hist, World Hist, & Am Gov	1,827	16	20.9	1.1	831	16	21.1	0.9	994	16	20.7	1.3
Other comb of 3 or 3.5 years of Social Science	2,590	23	21.3	1.5	1,062	21	21.4	1.2	1,527	24	21.3	1.9
Less than 3 years of Social Science	516	4	19.8	-	264	5	20.2	-	247	4	19.4	-
Zero years / no Social Science courses reported	214	2	17.5	-	144	3	17.6	-	68	1	17.2	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	3,704	32	22.0	3.6	1,890	37	22.8	4.3	1,813	28	21.2	2.8
Bio, Chem, Phys	71	1	22.5	4.1	34	1	24.3	5.8	36	1	21.0	2.6
Gen Sci <sup>2</sup> , Bio, Chem	5,286	46	20.3	1.9	1,986	39	20.6	2.1	3,295	52	20.0	1.6
Other comb of 3 years of Natural Science	376	3	20.2	1.8	223	4	20.8	2.3	152	2	19.2	0.8
Less than 3 years of Natural Science	1,844	16	18.4	-	836	16	18.5	-	1,002	16	18.4	-
Zero years / no Natural Science courses reported	224	2	17.2	-	149	3	17.7	-	71	1	15.9	-

<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: 11,505

**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	2,814	24	21.9	79	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	8,268	72	20.3	68	1,143,409	70	20.6	66
Less than 4 years of English	214	2	18.9	57	66,225	4	16.6	40
Zero years / no English courses reported	209	2	16.0	34	46,708	3	16.5	39
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	686	6	22.4	59	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,775	15	20.8	44	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	1,910	17	18.7	22	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	1,472	13	17.7	14	271,304	17	19.9	36
Other comb of 4 or more years of Math	3,086	27	22.1	56	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	1,567	14	16.5	4	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	345	3	17.2	11	78,953	5	19.9	35
Less than 3 years of Math	443	4	15.6	2	79,145	5	16.4	8
Zero years / no Math courses reported	221	2	16.7	9	49,542	3	18.1	21
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	2,023	18	20.7	51	47,284	3	22.5	59
Other comb of 4 or more years Social Science	4,335	38	21.9	58	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	1,827	16	20.9	49	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	2,590	23	21.3	54	445,631	27	21.1	51
Less than 3 years of Social Science	516	4	19.8	40	149,746	9	19.7	40
Zero years / no Social Science courses reported	214	2	17.5	25	49,114	3	17.9	28
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	3,704	32	22.0	36	686,167	42	22.1	39
Bio, Chem, Phys	71	1	22.5	45	160,020	10	23.1	46
Gen Sci <sup>1</sup> , Bio, Chem	5,286	46	20.3	20	476,294	29	20.1	21
Other comb of 3 years of Natural Science	376	3	20.2	22	45,296	3	19.6	20
Less than 3 years of Natural Science	1,844	16	18.4	10	205,148	13	18.3	12
Zero years / no Natural Science courses reported	224	2	17.2	7	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: 11,505

**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	228	2	18.9	30	3	16.5	192	2	19.2
Architecture	67	1	21.0	2	0	15.0	65	1	21.2
Area, Ethnic, & Multidisciplinary Studies	14	0	23.9	0	0	.	14	0	23.9
Arts: Visual & Performing	621	5	20.7	44	5	18.7	545	5	20.9
Business	845	7	20.1	64	7	16.8	760	8	20.5
Communications	190	2	21.3	5	1	13.0	183	2	21.6
Community, Family, & Personal Services	399	3	18.9	56	6	17.6	328	3	19.2
Computer Science & Mathematics	257	2	22.1	27	3	18.8	220	2	22.6
Education	1,102	10	19.8	40	4	16.4	1,035	10	19.9
Engineering	558	5	22.6	28	3	16.9	514	5	23.0
Engineering Technology & Drafting	293	3	22.4	30	3	17.5	253	3	23.1
English & Foreign Languages	65	1	22.5	5	1	17.8	57	1	22.9
Health Administration & Assisting	366	3	18.2	75	8	16.4	272	3	18.6
Health Sciences & Technologies	3,277	28	20.6	288	30	17.2	2,921	29	21.0
Philosophy, Religion, & Theology	47	0	22.2	2	0	13.0	44	0	22.5
Repair, Production, & Construction	123	1	17.8	76	8	17.5	39	0	18.6
Sciences: Biological & Physical	574	5	23.3	14	1	18.0	548	5	23.5
Social Sciences & Law	746	6	21.0	27	3	16.1	700	7	21.2
Undecided	1,490	13	20.6	124	13	17.0	1,255	13	21.0
No Response	243	2	17.1	14	1	16.4	39	0	18.1

<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: 11,505

**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	151	17.0	6	14.0	3	13.3	131	17.3	3	15.3
2-yr College Degree	800	17.1	16	14.1	2	15.0	742	17.3	11	16.3
Bachelors Degree	5,733	19.7	207	17.3	22	17.8	5,140	19.8	68	19.5
Graduate Study	1,421	22.5	36	18.9	2	19.0	1,278	22.6	27	22.7
Prof. Level Degree	2,830	23.0	113	18.7	17	22.1	2,454	23.1	47	22.6
Other	185	18.5	9	16.4	0	.	164	18.4	3	20.3
No Response	385	18.7	19	17.6	0	.	286	18.8	8	18.0

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	151	17.0	1	17.0	0	.	2	19.5	5	16.0
2-yr College Degree	800	17.1	1	18.0	0	.	10	17.0	18	16.1
Bachelors Degree	5,733	19.7	32	20.7	4	22.0	141	19.0	119	19.4
Graduate Study	1,421	22.5	15	23.2	0	.	31	22.9	32	22.6
Prof. Level Degree	2,830	23.0	53	27.6	1	24.0	66	22.0	79	24.0
Other	185	18.5	2	20.5	0	.	3	19.3	4	22.8
No Response	385	18.7	2	22.0	0	.	6	20.2	64	18.1

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

Total Students in Report: 11,505

**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
WEST VIRGINIA UNIVERSITY	West Virginia	4,241	2,092	2,149	1	6	27	34	23	8	1
MARSHALL UNIVERSITY	West Virginia	3,025	1,286	1,739	1	8	31	35	20	5	0
FAIRMONT STATE UNIVERSITY	West Virginia	1,850	658	1,192	2	11	36	31	17	3	0
CONCORD UNIVERSITY	West Virginia	949	312	637	1	10	35	33	17	4	0
WEST LIBERTY UNIVERSITY	West Virginia	656	245	411	1	10	34	34	17	5	0
SHEPHERD UNIVERSITY	West Virginia	636	263	373	1	9	31	33	19	6	0
WEST VIRGINIA STATE UNIVERSITY	West Virginia	630	196	434	2	16	37	31	12	2	0
WEST VIRGINIA WESLEYAN COLLEGE	West Virginia	609	145	464	1	7	26	31	24	11	0
GLENVILLE STATE COLLEGE	West Virginia	507	155	352	3	13	40	27	13	4	0
UNIVERSITY OF CHARLESTON THE	West Virginia	477	101	376	2	8	29	34	19	8	0
WEST VIRGINIA UNIV INST OF TECHNOLOGY	West Virginia	415	125	290	1	11	31	36	14	6	0
WEST VIRGINIA UNIVERSITY AT PARKERSBURG	West Virginia	409	186	223	2	13	39	32	12	2	0
POTOMAC STATE COLLEGE OF WVU	West Virginia	394	188	206	3	16	38	29	12	2	0
BLUEFIELD STATE COLLEGE	West Virginia	371	149	222	2	16	43	30	9	0	0
ALDERSON BROADDUS COLLEGE	West Virginia	350	76	274	2	7	30	33	20	8	0
MOUNTAIN STATE UNIVERSITY	West Virginia	318	80	238	2	16	38	26	15	3	0
DAVIS & ELKINS COLLEGE	West Virginia	296	78	218	2	17	31	30	15	4	0
NCAA ELIGIBILITY CENTER	Indiana	291	114	177	1	11	31	38	14	5	0
OHIO STATE UNIVERSITY THE	Ohio	248	36	212	1	4	21	28	29	17	1
WEST VIRGINIA HIGHER EDUC GRANT PROGRAM	West Virginia	248	81	167	4	7	31	29	20	9	0
WHEELING JESUIT UNIVERSITY	West Virginia	235	56	179	0	6	26	37	24	7	1
PIERPONT COMMUNITY & TECHNICAL COLLEGE	West Virginia	205	68	137	4	19	43	24	8	1	0
SOUTHERN WEST VIRGINIA C TECH C-LOGAN	West Virginia	198	103	95	4	18	41	26	11	1	0
UNIVERSITY OF KENTUCKY	Kentucky	185	24	161	1	2	17	32	32	15	2
VIRGINIA TECH	Virginia	174	24	150	1	3	12	26	33	22	2
BETHANY COLLEGE	West Virginia	156	22	134	0	11	25	31	26	7	0
NEW RIVER COMMUNITY AND TECHNICAL COLL	West Virginia	145	54	91	6	19	39	31	4	1	0
MARIETTA COLLEGE	Ohio	128	19	109	0	4	17	36	32	10	1
OHIO UNIVERSITY	Ohio	125	24	101	0	2	22	33	25	18	2
WEST VIRGINIA NORTHERN COMMUNITY COLL	West Virginia	125	47	78	3	20	39	25	12	1	0
All Other Institutions		5,727	1,402	4,325	2	10	24	27	22	14	2
Total		24,323	8,409	15,914	1	10	30	31	20	8	1

# 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: 11,505

**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>2,968</b>	<b>905,035</b>	<b>22.2</b>	<b>21.5</b>	<b>6.5</b>	<b>7.1</b>	<b>20.7</b>	<b>20.8</b>
Black/African American	121	112,251	17.7	16.7	5.8	6.3	16.8	16.5
American Indian/Alaska Native	11	5,519	19.8	18.4	5.8	6.5	18.5	18.0
White	2,571	522,234	22.2	23.2	6.5	7.3	20.8	22.2
Hispanic/Latino	55	128,599	23.4	18.4	7.0	6.8	22.1	18.2
Asian	47	51,829	27.0	23.8	7.2	7.6	24.9	22.9
Native Hawaiian/Other Pac. Isl.	0	1,332	.	19.7	.	7.2	.	19.5
Two or more races	74	27,722	22.2	21.6	6.4	7.0	20.6	20.8
Prefer not/No Response	89	55,549	23.7	21.3	6.8	7.0	22.0	20.5
Males	1,280	399,206	22.0	21.3	6.3	6.8	20.4	20.3
Females	1,683	503,699	22.3	21.8	6.7	7.3	21.0	21.1
Missing	5	2,130	21.0	17.6	6.8	6.2	20.0	17.1

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





