

# ACT Profile Report - State

Graduating Class 2011  
North Dakota





## 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

21% 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:** 7,057 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. 58% 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 16% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 27% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 23% of these students were college ready. In comparison, 65% 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 25% of the cohort took less than three years of natural science courses. 8% of these students were college ready. In comparison, 33% 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 48% 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.

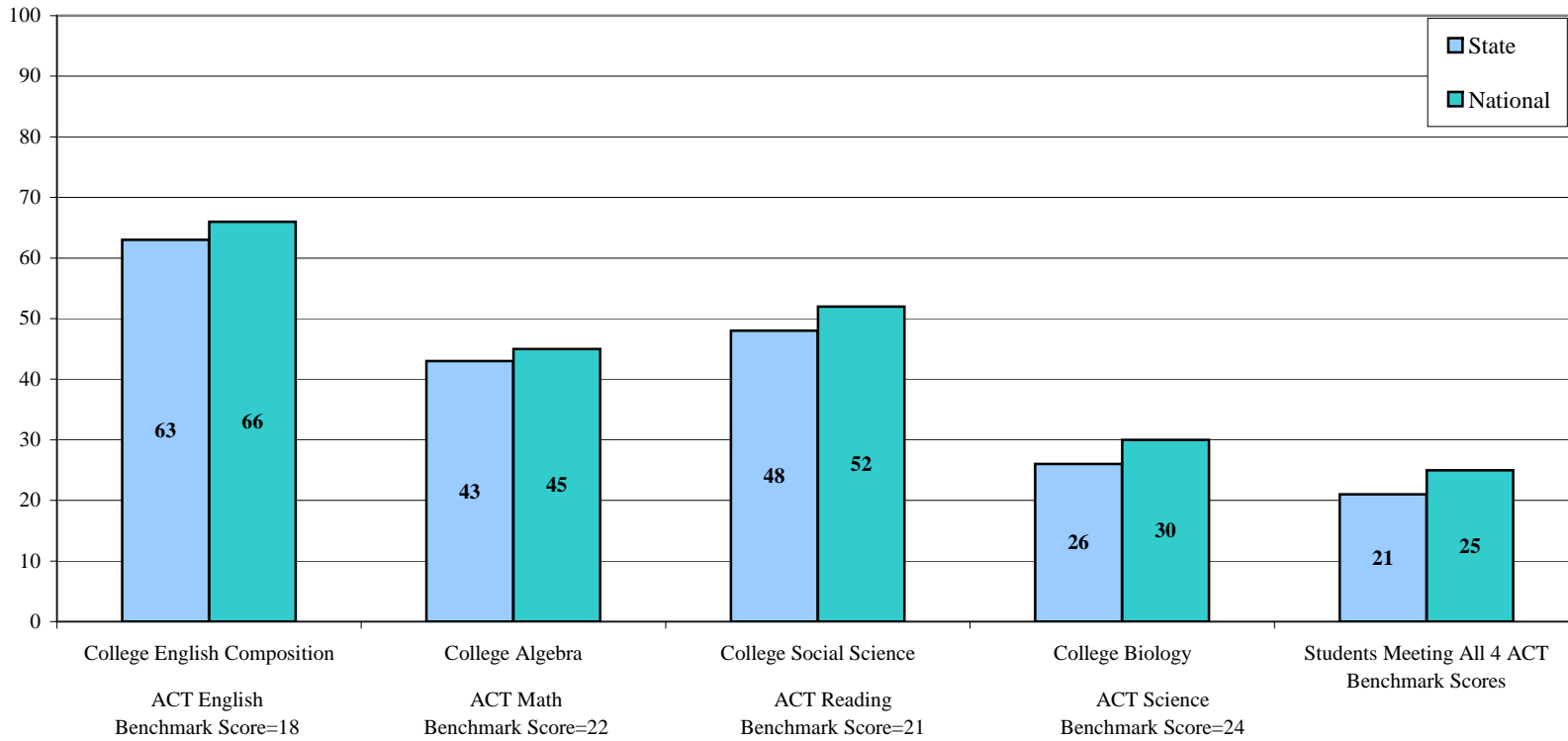
# Section I

## 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: 7,057

**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: 7,057

**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	6,326	1,300,599	73	69	47	43	56	53	30	28	23	23
2008	6,113	1,421,941	72	68	48	43	57	53	31	28	24	22
2009	5,791	1,480,469	70	67	47	42	57	53	31	28	24	23
2010	5,882	1,568,835	71	66	48	43	56	52	31	29	24	24
<b>2011</b>	<b>7,057</b>	<b>1,623,112</b>	<b>63</b>	<b>66</b>	<b>43</b>	<b>45</b>	<b>48</b>	<b>52</b>	<b>26</b>	<b>30</b>	<b>21</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	6,326	1,300,599	20.8	20.7	21.5	21.0	21.9	21.5	21.6	21.0	21.6	21.2
2008	6,113	1,421,941	20.7	20.6	21.6	21.0	21.8	21.4	21.5	20.8	21.6	21.1
2009	5,791	1,480,469	20.7	20.6	21.5	21.0	21.8	21.4	21.6	20.9	21.5	21.1
2010	5,882	1,568,835	20.7	20.5	21.4	21.0	21.7	21.3	21.6	20.9	21.5	21.0
<b>2011</b>	<b>7,057</b>	<b>1,623,112</b>	<b>19.8</b>	<b>20.6</b>	<b>20.8</b>	<b>21.1</b>	<b>20.8</b>	<b>21.3</b>	<b>20.8</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: 7,057

**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	3,413	2,259	54	36	22.1	18.8	22.9	19.5	23.0	20.2	22.7	20.1	22.8	19.8
2008	3,796	1,970	62	32	22.0	18.5	22.8	19.5	22.9	20.0	22.5	19.8	22.7	19.6
2009	3,890	1,761	67	30	21.9	18.2	22.7	19.2	22.9	19.7	22.6	19.7	22.6	19.3
2010	3,894	1,870	66	32	22.0	18.2	22.7	19.0	22.9	19.5	22.7	19.5	22.7	19.2
<b>2011</b>	<b>4,117</b>	<b>2,574</b>	<b>58</b>	<b>36</b>	<b>21.6</b>	<b>17.3</b>	<b>22.4</b>	<b>18.5</b>	<b>22.3</b>	<b>18.6</b>	<b>22.4</b>	<b>18.8</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.

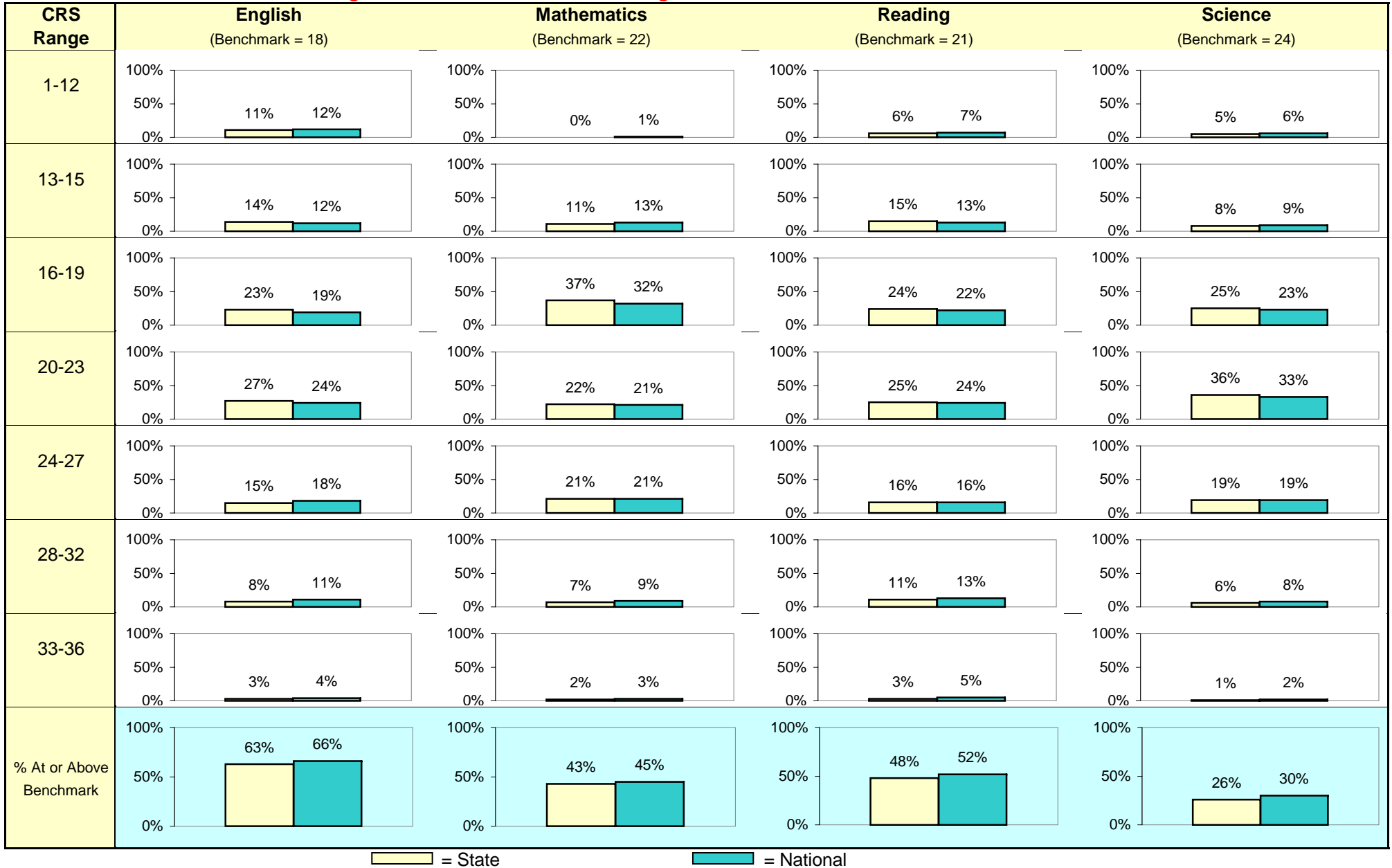
**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity<sup>1</sup>**

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>6,326</b>	<b>100</b>	<b>21.6</b>	<b>6,113</b>	<b>100</b>	<b>21.6</b>	<b>5,791</b>	<b>100</b>	<b>21.5</b>	<b>5,882</b>	<b>100</b>	<b>21.5</b>	<b>7,057</b>	<b>100</b>	<b>20.7</b>
Black/African American	32	1	18.4	51	1	18.0	54	1	18.8	52	1	17.1	73	1	16.4
American Indian/Alaska Native	242	4	17.1	220	4	17.0	230	4	17.8	276	5	17.0	387	5	16.5
White	5,380	85	21.8	5,419	89	21.8	5,181	89	21.7	5,214	89	21.8	5,855	83	21.2
Hispanic/Latino	47	1	20.5	45	1	19.2	47	1	20.3	58	1	20.3	130	2	18.1
Asian	43	1	21.5	40	1	24.0	43	1	21.2	57	1	22.1	78	1	20.8
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	2	0	13.5
Two or more races	58	1	20.8	47	1	20.9	61	1	21.4	69	1	21.2	151	2	20.1
Prefer not to respond/No response	524	8	21.8	291	5	21.4	175	3	21.2	156	3	20.6	381	5	18.8

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

Total Students in Report: 7,057

**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: 7,057

**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	18	100	12	100	23	100	12	100	2	100	36
35	40	100	25	100	20	100	23	100	6	100	35
34	54	99	40	99	77	99	22	100	17	100	34
33	67	98	44	99	84	98	44	99	43	100	33
32	79	97	49	98	150	97	12	99	50	99	32
31	101	96	62	98	121	95	64	98	72	98	31
30	93	95	107	97	162	93	100	97	110	97	30
29	141	94	132	95	164	91	96	96	155	96	29
28	129	92	177	93	169	89	156	95	167	94	28
27	205	90	219	91	279	86	225	93	223	91	27
26	221	87	336	88	225	82	260	89	252	88	26
25	251	84	456	83	278	79	430	86	383	84	25
24	376	80	455	76	343	75	426	80	464	79	24
23	403	75	488	70	321	70	641	74	414	72	23
22	414	69	401	63	587	66	457	64	528	67	22
21	556	63	387	57	409	57	743	58	527	59	21
20	504	55	293	52	440	52	714	47	548	52	20
19	477	48	431	48	624	45	679	37	616	44	19
18	346	41	662	42	398	37	484	28	572	35	18
17	352	37	613	32	382	31	297	21	500	27	17
16	465	32	872	24	316	26	288	17	433	20	16
15	435	25	486	11	463	21	225	13	342	14	15
14	352	19	210	4	422	14	185	9	270	9	14
13	216	14	75	1	193	9	147	7	191	5	13
12	204	11	16	1	229	6	123	5	111	2	12
11	147	8	8	1	120	3	86	3	48	1	11
10	178	6	1	1	28	1	80	2	10	1	10
9	94	3	0	1	16	1	19	1	1	1	9
8	85	2	0	1	8	1	11	1	2	1	8
7	41	1	0	1	4	1	6	1	0	1	7
6	10	1	0	1	0	1	1	1	0	1	6
5	1	1	0	1	2	1	0	1	0	1	5
4	2	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	1	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)	19.8 (5.9)		20.8 (4.8)		20.8 (5.7)		20.8 (4.7)		20.7 (4.7)		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: 7,057

**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	149	100	57	100	112	100	93	100	251	100	40	100	60	100	18
17	204	98	31	99	185	98	264	99	267	96	92	99	2	99	17
16	279	95	319	99	437	96	331	95	275	93	150	98	117	99	16
15	270	91	298	94	326	90	391	90	408	89	195	96	281	97	15
14	339	87	385	90	398	85	357	85	477	83	432	93	582	93	14
13	318	82	567	85	634	79	534	80	628	76	896	87	494	85	13
12	512	78	730	77	753	70	594	72	521	67	570	74	1,126	78	12
11	645	71	994	66	583	60	715	64	937	60	895	66	711	62	11
10	941	62	749	52	686	51	628	54	503	47	1,232	54	1,280	52	10
9	621	48	982	41	773	42	653	45	497	40	930	36	684	34	9
8	845	39	592	28	963	31	600	35	841	32	684	23	924	24	8
7	530	27	499	19	505	17	516	27	911	21	441	13	100	11	7
6	511	20	354	12	316	10	761	20	316	8	268	7	354	10	6
5	342	13	275	7	224	5	285	9	168	3	144	3	211	5	5
4	352	8	140	3	110	2	256	5	35	1	20	1	31	2	4
3	161	3	62	1	35	1	48	1	16	1	53	1	68	1	3
2	36	1	22	1	11	1	30	1	6	1	8	1	13	1	2
1	2	1	1	1	6	1	1	1	0	1	7	1	19	1	1
Avg (SD)	9.8 (3.7)		10.3 (3.1)		10.6 (3.4)		10.2 (3.7)		10.8 (3.5)		10.5 (2.8)		10.4 (2.8)		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	24	24	24	24
Q2 (50th Percentile)	20	20	20	21	20
Q1 (25th Percentile)	15	17	16	18	17

Total Students in Report: 7,057

**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>7,057</b>	<b>58</b>	<b>22.3</b>	<b>18.4</b>
	Black/African American	73	42	19.5	14.2
	American Indian/Alaska Native	387	44	17.5	15.6
	White	5,855	61	22.6	19.0
	Hispanic/Latino	130	55	20.1	15.5
	Asian	78	68	23.2	16.1
	Native Hawaiian/Other Pac. Isl.	2	0	.	13.5
	Two or more races	151	55	21.7	18.1
	Prefer not/No Response	381	42	21.5	17.0
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>	19.8	20.8	20.8	20.8	20.7
	Black/African American	14.8	17.0	16.4	17.1	16.4
	American Indian/Alaska Native	14.6	16.8	17.0	17.0	16.5
	White	20.4	21.3	21.3	21.3	21.2
	Hispanic/Latino	16.6	18.7	18.1	18.6	18.1
	Asian	19.1	22.3	20.3	20.9	20.8
	Native Hawaiian/Other Pac. Isl.	11.0	16.0	10.5	15.5	13.5
	Two or more races	19.3	19.7	20.6	20.4	20.1
	Prefer not/No Response	17.8	19.0	19.0	19.0	18.8
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: 7,057

**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	179	3	121	2	204	3	101	1
	28 to 32	543	8	527	7	766	11	428	6
	24 to 27	1,053	15	1,466	21	1,125	16	1,341	19
	20 to 23	1,877	27	1,569	22	1,757	25	2,555	36
	16 to 19	1,640	23	2,578	37	1,720	24	1,748	25
	13 to 15	1,003	14	771	11	1,078	15	557	8
	01 to 12	762	11	25	0	407	6	327	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	3,505	50	19.1	21.2	20.3	21.1	20.6
	Females	3,544	50	20.5	20.3	21.3	20.6	20.8
	Missing	8	0	16.5	17.4	17.9	17.0	17.4
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	58	45	45	29	22
	Females	68	40	52	24	19
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

**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>	4,117	76	21.6	57	22.4	60	22.3	37	22.4	30	22.3
	Less than Core	2,574	46	17.3	22	18.5	32	18.6	11	18.8	7	18.4
	Missing <sup>3</sup>	366	41	16.7	23	18.5	29	18.2	14	18.3	10	18.0
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>	6,204	65	20.1	5,567	51	21.8	6,205	51	21.1	5,028	33	21.8
	Less than Core	589	50	17.8	1,152	7	16.7	571	26	17.8	1,729	8	18.4
	Missing <sup>3</sup>	264	46	17.6	338	23	18.5	281	34	18.9	300	17	19.0
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.

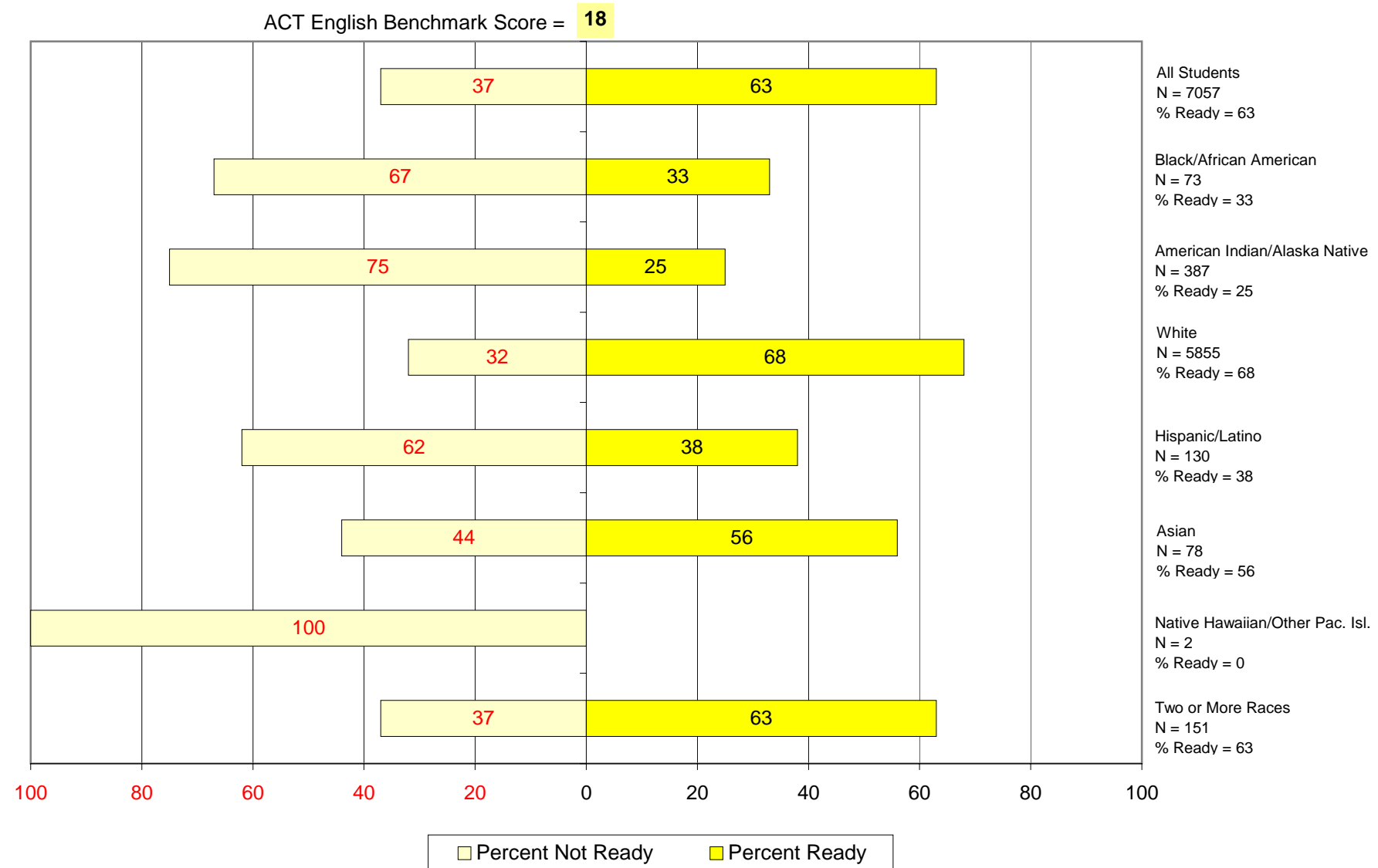
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# 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.

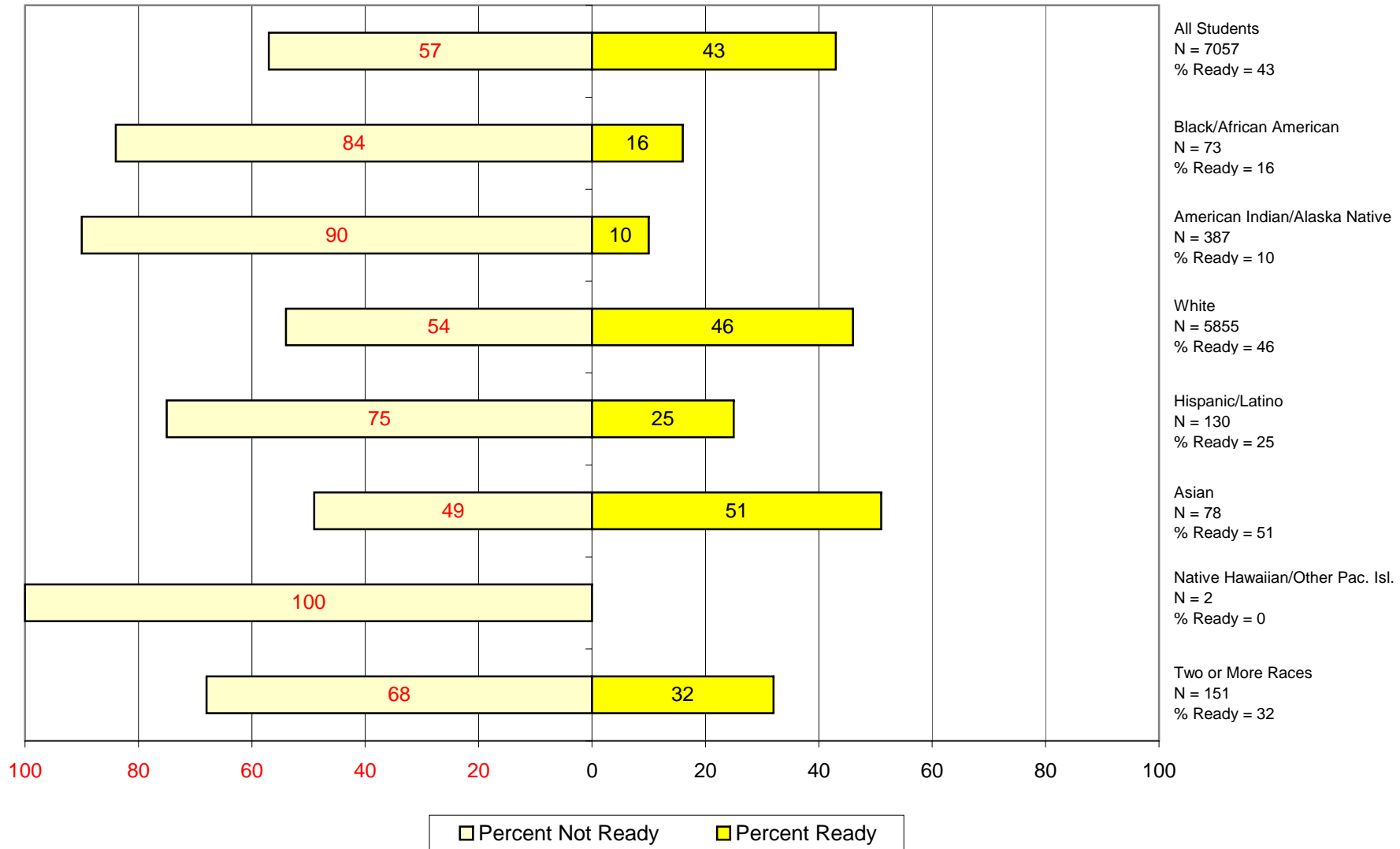
**Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ENGLISH**



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

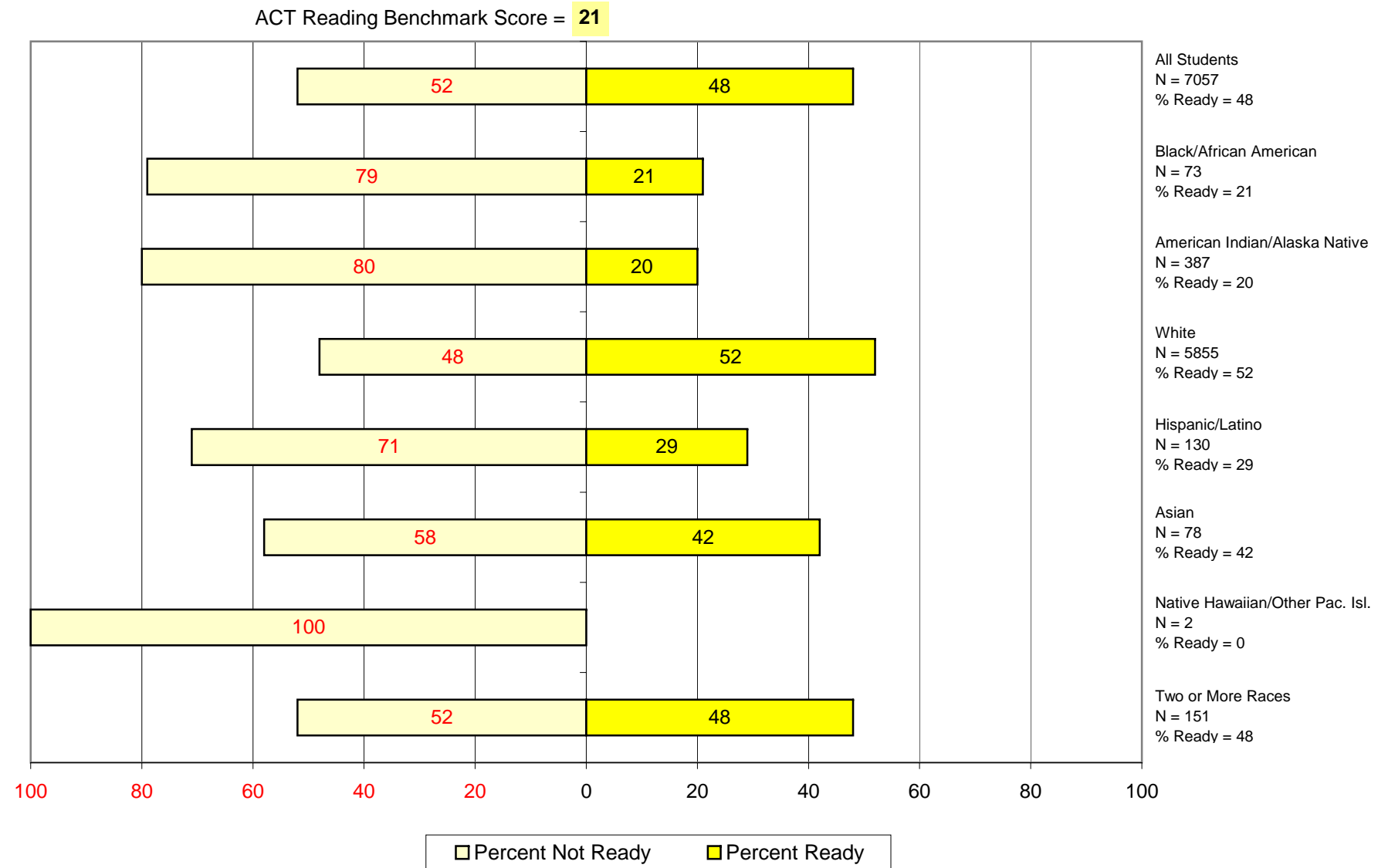
**Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: MATHEMATICS**

ACT Mathematics Benchmark Score = **22**



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

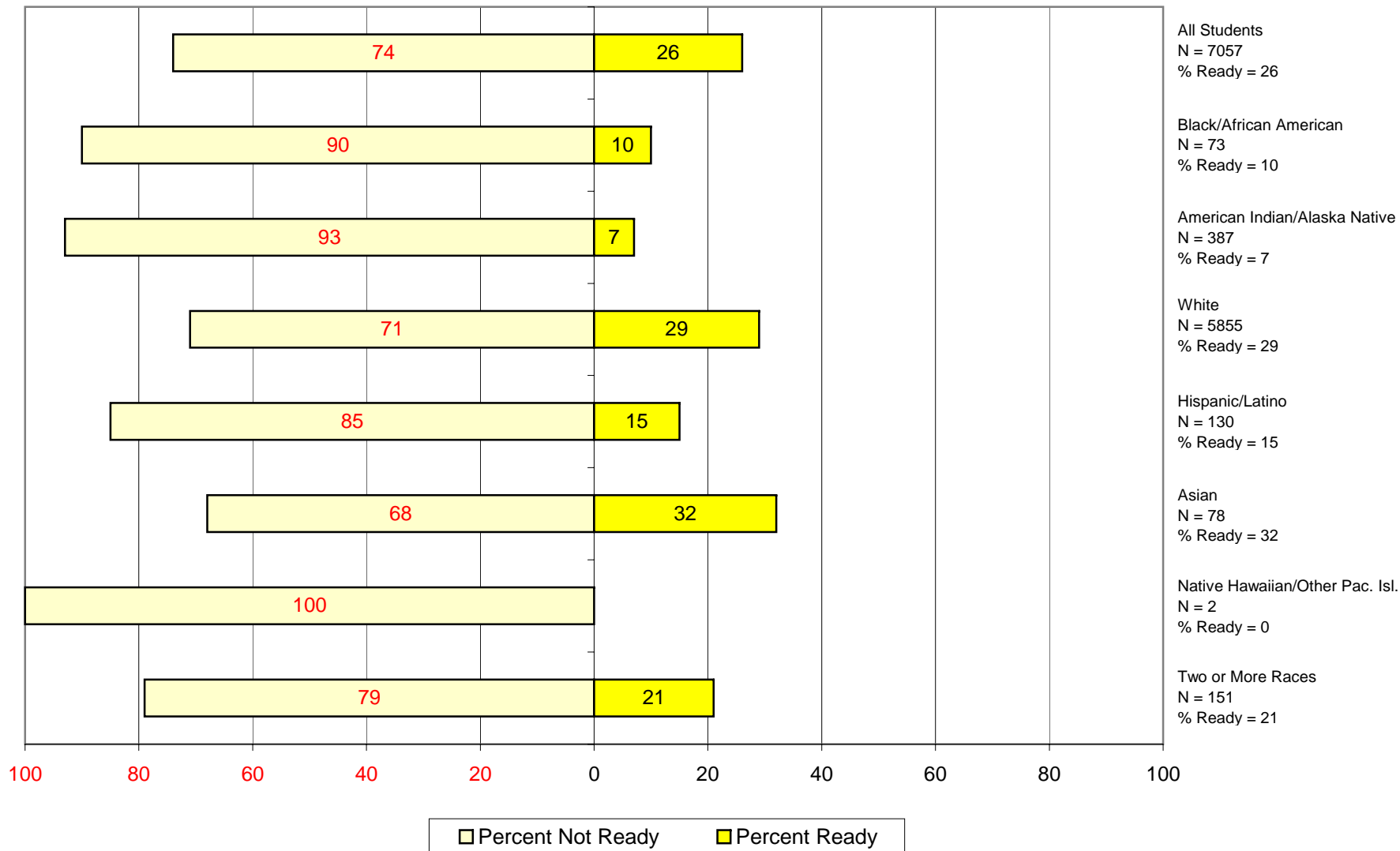
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: READING**



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

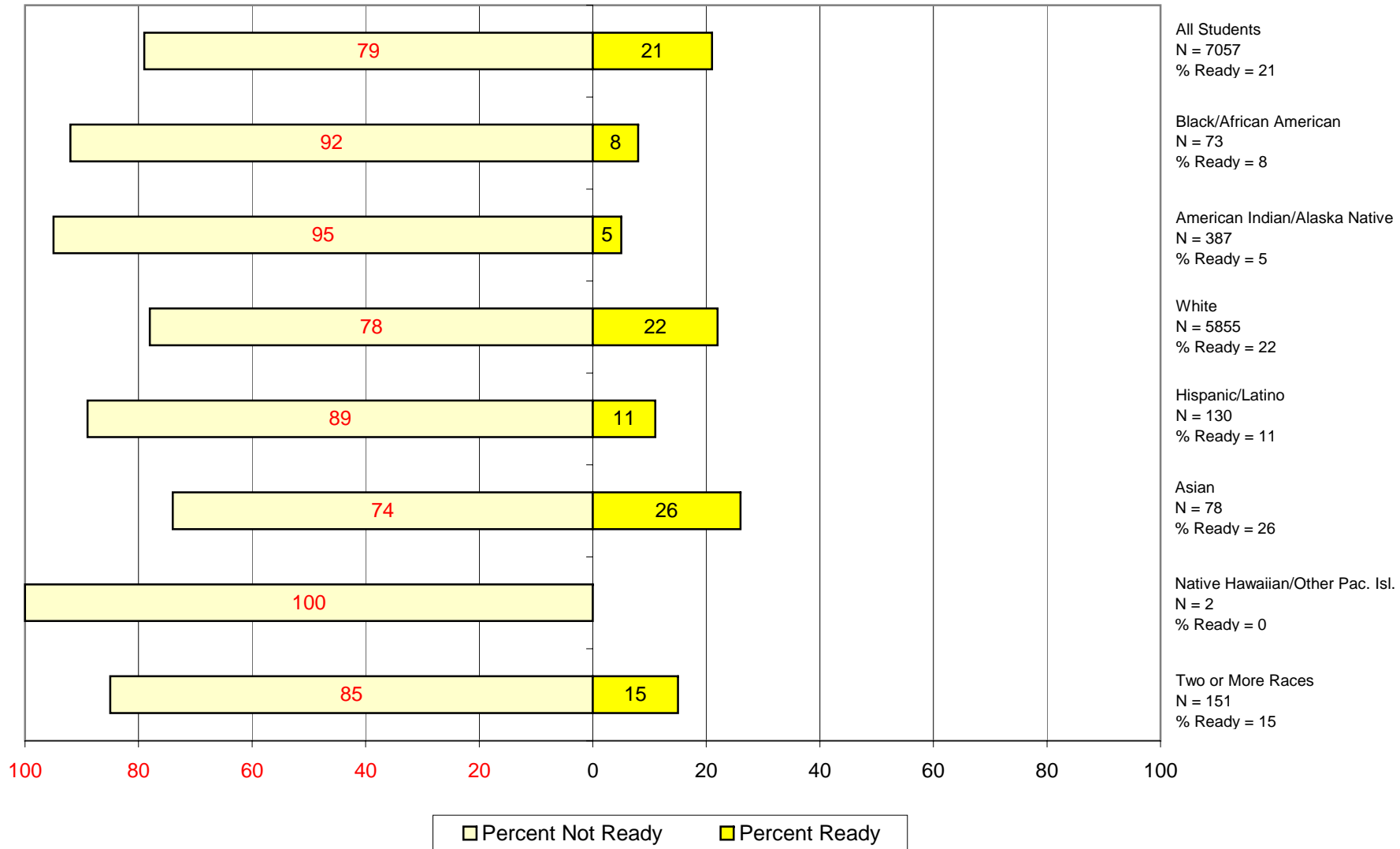
**Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: SCIENCE**

ACT Science Benchmark Score = **24**



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

**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: 7,057

**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	1,695	24	21.6	3.8	715	20	20.9	3.7	976	28	22.1	3.7
Eng 9, Eng 10, Eng 11, Eng 12	4,509	64	19.5	1.7	2,322	66	18.9	1.7	2,184	62	20.2	1.8
Less than 4 years of English	589	8	17.8	-	323	9	17.2	-	265	7	18.4	-
Zero years / no English courses reported	264	4	17.6	-	145	4	17.7	-	119	3	17.5	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	99	1	24.7	8.0	43	1	25.1	8.1	56	2	24.3	8.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	441	6	24.1	7.4	183	5	24.8	7.8	258	7	23.6	7.3
Alg 1, Alg 2, Geom, & Trig	218	3	21.9	5.2	110	3	22.2	5.2	108	3	21.5	5.2
Alg 1, Alg 2, Geom, & Other Adv Math	1,633	23	22.1	5.4	647	18	22.9	5.9	985	28	21.6	5.3
Other comb of 4 or more years of Math	1,009	14	25.3	8.6	563	16	26.0	9.0	446	13	24.4	8.1
Alg 1, Alg 2, & Geom	1,898	27	18.9	2.2	973	28	19.4	2.4	920	26	18.4	2.1
Other comb of 3 or 3.5 years of Math	269	4	21.2	4.5	159	5	21.9	4.9	109	3	20.1	3.8
Less than 3 years of Math	1,152	16	16.7	-	635	18	17.0	-	516	15	16.3	-
Zero years / no Math courses reported	338	5	18.5	-	192	5	18.9	-	146	4	18.0	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	167	2	19.8	2.0	100	3	19.3	1.5	66	2	20.3	2.4
Other comb of 4 or more years Social Science	3,457	49	21.7	3.9	1,535	44	21.4	3.6	1,922	54	21.9	4.0
US Hist, World Hist, & Am Gov	547	8	19.7	1.9	311	9	18.7	0.9	235	7	20.9	3.0
Other comb of 3 or 3.5 years of Social Science	2,034	29	20.7	2.9	1,061	30	20.3	2.5	969	27	21.2	3.3
Less than 3 years of Social Science	571	8	17.8	-	345	10	17.8	-	225	6	17.9	-
Zero years / no Social Science courses reported	281	4	18.9	-	153	4	19.0	-	127	4	18.8	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	1,647	23	23.4	5.0	914	26	23.9	5.5	733	21	22.8	4.5
Bio, Chem, Phys	20	0	23.4	5.0	14	0	23.4	5.0	6	0	23.2	4.9
Gen Sci <sup>2</sup> , Bio, Chem	3,035	43	21.0	2.6	1,282	37	21.1	2.7	1,750	49	21.0	2.7
Other comb of 3 years of Natural Science	326	5	20.7	2.3	228	7	21.2	2.8	96	3	19.6	1.3
Less than 3 years of Natural Science	1,729	25	18.4	-	898	26	18.4	-	828	23	18.3	-
Zero years / no Natural Science courses reported	300	4	19.0	-	169	5	19.3	-	131	4	18.5	-

<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: 7,057

**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	1,695	24	21.6	76	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	4,509	64	19.5	61	1,143,409	70	20.6	66
Less than 4 years of English	589	8	17.8	50	66,225	4	16.6	40
Zero years / no English courses reported	264	4	17.6	46	46,708	3	16.5	39
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	99	1	24.7	71	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	441	6	24.1	78	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	218	3	21.9	54	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	1,633	23	22.1	59	271,304	17	19.9	36
Other comb of 4 or more years of Math	1,009	14	25.3	78	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	1,898	27	18.9	23	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	269	4	21.2	44	78,953	5	19.9	35
Less than 3 years of Math	1,152	16	16.7	7	79,145	5	16.4	8
Zero years / no Math courses reported	338	5	18.5	23	49,542	3	18.1	21
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	167	2	19.8	44	47,284	3	22.5	59
Other comb of 4 or more years Social Science	3,457	49	21.7	55	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	547	8	19.7	42	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	2,034	29	20.7	48	445,631	27	21.1	51
Less than 3 years of Social Science	571	8	17.8	26	149,746	9	19.7	40
Zero years / no Social Science courses reported	281	4	18.9	34	49,114	3	17.9	28
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	1,647	23	23.4	49	686,167	42	22.1	39
Bio, Chem, Phys	20	0	23.4	50	160,020	10	23.1	46
Gen Sci <sup>1</sup> , Bio, Chem	3,035	43	21.0	26	476,294	29	20.1	21
Other comb of 3 years of Natural Science	326	5	20.7	25	45,296	3	19.6	20
Less than 3 years of Natural Science	1,729	25	18.4	8	205,148	13	18.3	12
Zero years / no Natural Science courses reported	300	4	19.0	17	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: 7,057

**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	294	4	19.4	113	9	17.5	176	4	20.6
Architecture	106	2	21.1	11	1	16.0	91	2	21.7
Area, Ethnic, & Multidisciplinary Studies	6	0	20.2	2	0	14.0	4	0	23.3
Arts: Visual & Performing	434	6	20.7	91	7	17.9	319	6	21.6
Business	471	7	21.2	50	4	18.3	411	8	21.6
Communications	98	1	21.4	17	1	16.7	78	2	22.3
Community, Family, & Personal Services	409	6	18.4	151	12	17.1	232	5	19.3
Computer Science & Mathematics	147	2	22.1	27	2	18.7	114	2	23.1
Education	471	7	20.9	18	1	16.7	442	9	21.1
Engineering	409	6	22.2	87	7	16.8	311	6	23.8
Engineering Technology & Drafting	201	3	20.0	74	6	17.5	122	2	21.6
English & Foreign Languages	82	1	23.6	14	1	16.4	65	1	25.2
Health Administration & Assisting	58	1	19.6	11	1	19.0	41	1	19.8
Health Sciences & Technologies	1,290	18	21.4	110	8	17.7	1,141	23	21.8
Philosophy, Religion, & Theology	28	0	21.2	2	0	16.0	25	1	21.3
Repair, Production, & Construction	338	5	18.2	258	20	17.9	68	1	19.5
Sciences: Biological & Physical	272	4	23.2	7	1	18.3	249	5	23.5
Social Sciences & Law	361	5	22.0	18	1	17.1	335	7	22.3
Undecided	917	13	20.8	192	15	17.5	632	13	22.0
No Response	665	9	18.4	45	3	15.0	55	1	19.2

<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: 7,057

**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	306	17.5	0	.	20	16.4	244	17.7	9	14.8
2-yr College Degree	992	17.5	7	13.6	59	15.1	809	17.8	31	15.9
Bachelors Degree	3,021	21.1	31	16.0	144	16.3	2,613	21.6	39	20.0
Graduate Study	667	23.2	7	19.0	39	16.5	548	23.9	14	19.7
Prof. Level Degree	1,223	22.9	14	20.4	78	18.2	990	23.3	21	19.5
Other	192	17.9	1	11.0	18	15.1	144	18.6	2	17.5
No Response	656	19.2	13	13.5	29	16.4	507	20.0	14	16.1

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	306	17.5	3	12.7	0	.	5	18.6	25	17.3
2-yr College Degree	992	17.5	9	16.3	0	.	21	18.0	56	16.7
Bachelors Degree	3,021	21.1	24	19.1	1	17.0	62	19.6	107	19.6
Graduate Study	667	23.2	9	23.8	0	.	14	22.8	36	21.8
Prof. Level Degree	1,223	22.9	21	25.5	0	.	35	22.1	64	22.2
Other	192	17.9	3	19.7	0	.	3	17.7	21	16.2
No Response	656	19.2	9	18.7	1	10.0	11	19.0	72	16.2

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

Total Students in Report: 7,057

**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
NORTH DAKOTA STATE UNIVERSITY	North Dakota	2,693	1,060	1,633	1	7	26	31	24	9	1
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,509	915	1,594	1	8	26	32	23	9	1
BISMARCK STATE COLLEGE	North Dakota	1,397	670	727	2	15	39	27	14	2	0
MINOT STATE UNIVERSITY	North Dakota	918	315	603	2	11	35	32	16	5	0
NORTH DAKOTA STATE COLLEGE OF SCIENCE	North Dakota	833	328	505	3	16	44	25	10	2	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	663	663	0	4	20	34	26	12	3	0
UNIVERSITY OF MARY	North Dakota	655	145	510	1	6	25	33	26	9	1
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	536	129	407	1	4	30	35	21	8	0
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	485	112	373	1	4	12	25	32	23	3
DICKINSON STATE UNIVERSITY	North Dakota	382	120	262	2	12	38	32	12	4	0
VALLEY CITY STATE UNIVERSITY	North Dakota	376	86	290	2	12	39	28	15	4	0
JAMESTOWN COLLEGE	North Dakota	315	62	253	0	12	31	30	19	8	0
LAKE REGION STATE COLLEGE	North Dakota	282	115	167	5	20	41	24	7	1	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	263	63	200	1	2	17	29	27	23	2
MAYVILLE STATE UNIVERSITY	North Dakota	233	64	169	4	15	35	28	13	5	0
WILLISTON STATE COLLEGE	North Dakota	188	56	132	4	19	46	19	10	2	0
NORTHLAND COMM & TECH COLL-E GRAND FRKS	Minnesota	174	70	104	1	17	46	28	7	1	0
DAKOTA COLLEGE AT BOTTINEAU	North Dakota	166	34	132	4	16	44	28	7	2	0
MINN ST COMM & TECH COLL-MOORHEAD	Minnesota	149	54	95	5	19	42	28	5	1	0
TURTLE MOUNTAIN COMMUNITY COLLEGE	North Dakota	107	54	53	9	39	43	7	2	0	0
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	106	19	87	0	2	17	41	27	12	1
STATE-NO COLLEGE PLANS	Iowa	88	88	0	9	41	33	11	5	1	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	86	14	72	0	5	23	30	34	7	1
ART INSTITUTES INTERNATIONAL MINNESOTA	Minnesota	79	19	60	1	6	39	27	22	5	0
JZ TREND ACADEMY INC.	North Dakota	73	25	48	8	22	42	19	8	0	0
MEDCENTER ONE COLLEGE OF NURSING	North Dakota	69	8	61	3	12	38	33	13	1	0
UNIV OF MINNESOTA-CROOKSTON	Minnesota	67	13	54	0	16	39	27	15	3	0
UNITED TRIBES TECHNICAL COLLEGE	North Dakota	66	15	51	14	55	26	5	2	0	0
NCAA ELIGIBILITY CENTER	Indiana	59	22	37	2	0	19	37	36	7	0
NORTHERN STATE UNIVERSITY	South Dakota	59	9	50	0	3	39	25	24	5	3
All Other Institutions		3,541	824	2,717	2	10	24	27	21	14	2
<b>Total</b>		<b>17,617</b>	<b>6,171</b>	<b>11,446</b>	<b>2</b>	<b>11</b>	<b>30</b>	<b>29</b>	<b>19</b>	<b>8</b>	<b>1</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: 7,057

**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>892</b>	<b>905,035</b>	<b>24.4</b>	<b>21.5</b>	<b>7.1</b>	<b>7.1</b>	<b>22.9</b>	<b>20.8</b>
Black/African American	5	112,251	17.8	16.7	7.6	6.3	18.6	16.5
American Indian/Alaska Native	20	5,519	20.8	18.4	6.5	6.5	19.8	18.0
White	787	522,234	24.6	23.2	7.1	7.3	23.1	22.2
Hispanic/Latino	18	128,599	19.6	18.4	6.6	6.8	19.0	18.2
Asian	17	51,829	27.2	23.8	7.1	7.6	24.9	22.9
Native Hawaiian/Other Pac. Isl.	0	1,332	.	19.7	.	7.2	.	19.5
Two or more races	24	27,722	23.1	21.6	6.9	7.0	21.8	20.8
Prefer not/No Response	21	55,549	24.9	21.3	6.9	7.0	23.1	20.5
Males	360	399,206	24.4	21.3	6.8	6.8	22.6	20.3
Females	532	503,699	24.5	21.8	7.2	7.3	23.1	21.1
Missing	0	2,130	.	17.6	.	6.2	.	17.1

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





