

# ACT Profile Report - State

Graduating Class 2014

North Dakota





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This report provides information about the performance of your 2014 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 2014. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

**Performance** - student test performance in the context of college readiness

**Access** - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

**College Readiness** - percent of students meeting ACT College Readiness Benchmark Scores in each content area

**Awareness** - extent to which student aspirations match performance

**Articulation** - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students who met or exceeded ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at [www.act.org/standard/infoserv.html](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, updated in August of 2013, are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23

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

## How to Improve Scores and Increase College Readiness

23% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT:** 7,227 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. 54% 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 15% of the cohort took less than three years of math courses. Of these students, 4% were college ready. 23% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 21% of these students were college ready. In comparison, 64% 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 26% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 44% 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 ACT Customer Service at 319-337-1309 or [customerservices@act.org](mailto:customerservices@act.org).

# Section I

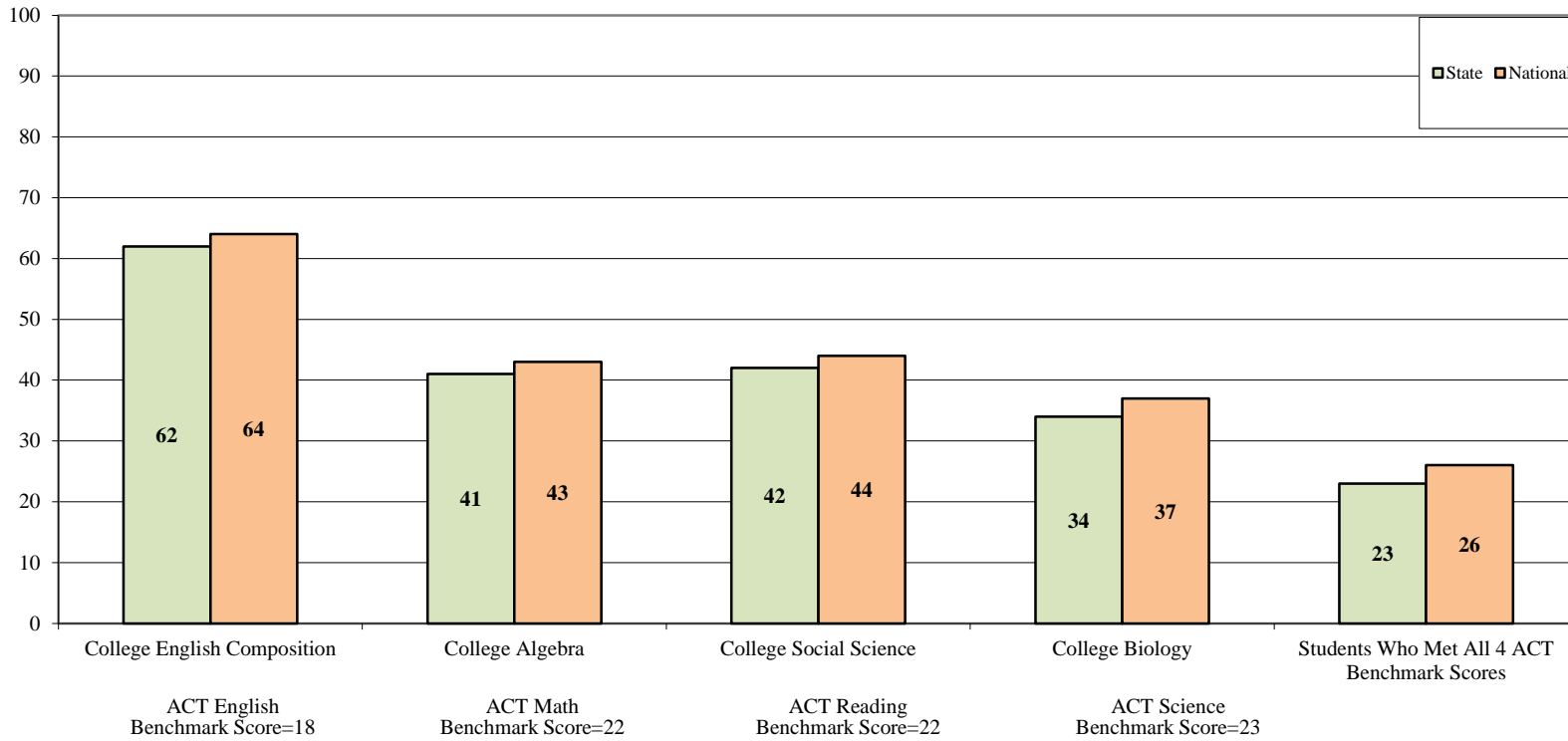
## Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning in August 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.



Total Students in Report: 7,227

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	5,882	1,568,835	71	66	48	43	56	52	31	29	24	24
2011	7,057	1,623,112	63	66	43	45	48	52	26	30	21	25
2012	6,896	1,666,017	64	67	45	46	49	52	30	31	23	25
2013	7,102	1,799,243	61	64	43	44	41	44	35	36	23	26
<b>2014</b>	<b>7,227</b>	<b>1,845,787</b>	<b>62</b>	<b>64</b>	<b>41</b>	<b>43</b>	<b>42</b>	<b>44</b>	<b>34</b>	<b>37</b>	<b>23</b>	<b>26</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
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
2011	7,057	1,623,112	19.8	20.6	20.8	21.1	20.8	21.3	20.8	20.9	20.7	21.1
2012	6,896	1,666,017	19.6	20.5	21.0	21.1	20.7	21.3	20.9	20.9	20.7	21.1
2013	7,102	1,799,243	19.5	20.2	20.8	20.9	20.5	21.1	20.7	20.7	20.5	20.9
<b>2014</b>	<b>7,227</b>	<b>1,845,787</b>	<b>19.6</b>	<b>20.3</b>	<b>20.7</b>	<b>20.9</b>	<b>20.8</b>	<b>21.3</b>	<b>20.6</b>	<b>20.8</b>	<b>20.6</b>	<b>21.0</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2010	1,568,835	20.5	21.0	21.3	20.9	21.0
2011	1,623,112	20.6	21.1	21.3	20.9	21.1
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	1,799,243	20.2	20.9	21.1	20.7	20.9
<b>2014</b>	<b>1,845,787</b>	<b>20.3</b>	<b>20.9</b>	<b>21.3</b>	<b>20.8</b>	<b>21.0</b>

**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
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
2011	4,117	2,574	58	36	21.6	17.3	22.4	18.5	22.3	18.6	22.4	18.8	22.3	18.4
2012	4,032	2,546	58	37	21.4	17.2	22.7	18.7	22.4	18.4	22.4	18.9	22.3	18.4
2013	4,011	2,521	56	35	21.6	16.9	22.6	18.4	22.3	18.2	22.3	18.5	22.3	18.1
<b>2014</b>	<b>3,916</b>	<b>2,589</b>	<b>54</b>	<b>36</b>	<b>21.8</b>	<b>17.1</b>	<b>22.6</b>	<b>18.4</b>	<b>22.8</b>	<b>18.7</b>	<b>22.5</b>	<b>18.5</b>	<b>22.5</b>	<b>18.3</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.

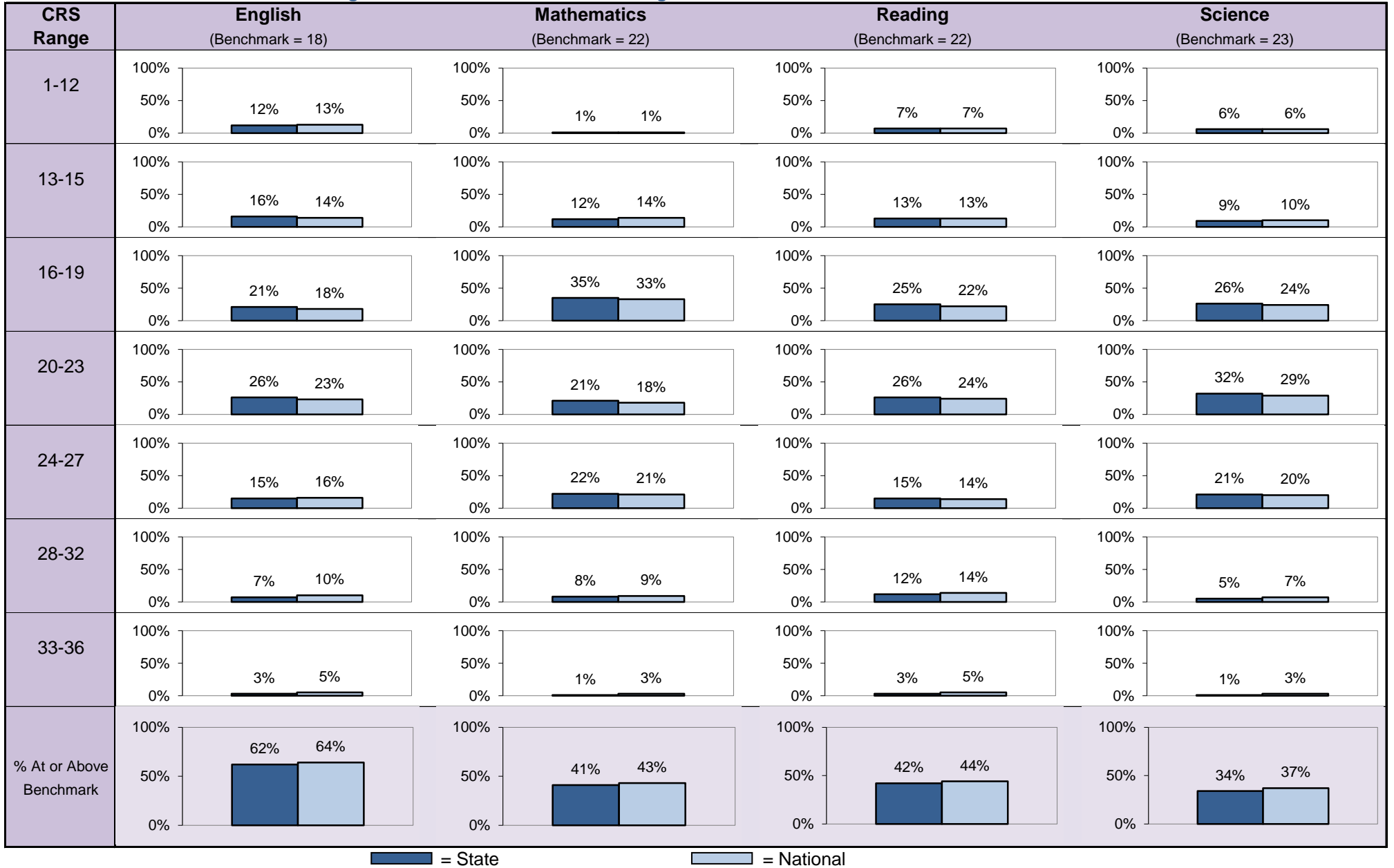
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>5,882</b>	<b>100</b>	<b>21.5</b>	<b>7,057</b>	<b>100</b>	<b>20.7</b>	<b>6,896</b>	<b>100</b>	<b>20.7</b>	<b>7,102</b>	<b>100</b>	<b>20.5</b>	<b>7,227</b>	<b>100</b>	<b>20.6</b>
Black/African American	52	1	17.1	73	1	16.4	100	1	15.6	100	1	16.0	124	2	16.3
American Indian/Alaska Native	276	5	17.0	387	5	16.5	290	4	16.8	290	4	16.1	319	4	16.3
White	5,214	89	21.8	5,855	83	21.2	5,712	83	21.2	5,908	83	20.9	5,882	81	21.1
Hispanic/Latino	58	1	20.3	130	2	18.1	171	2	18.1	198	3	18.0	229	3	18.0
Asian	57	1	22.1	78	1	20.8	80	1	19.3	84	1	21.6	103	1	20.5
Native Hawaiian/Other Pacific Islander	0	0	.	2	0	13.5	8	0	20.0	12	0	18.6	10	0	16.4
Two or more races	69	1	21.2	151	2	20.1	225	3	20.3	226	3	19.8	282	4	19.9
Prefer not to respond/No response	156	3	20.6	381	5	18.8	310	4	19.5	284	4	19.3	278	4	19.7

Total Students in Report: 7,227

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



Total Students in Report: 7,227

**Table 1.7. Average ACT College Reportable Scores by Test Session Duration**

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Standard Time	6,775	94	19.9	21.0	21.1	20.9	20.9
	Extended Time	452	6	14.2	16.5	16.1	17.1	16.1
	Total	7,227	100	19.6	20.7	20.8	20.6	20.6
National	Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

**Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration**

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	65	43	43	35	24
	Extended Time	21	8	15	14	4
	Total	62	41	42	34	23
National	Standard Time	65	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

# Section II

## Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 7,227

**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	10	100	5	100	29	100	17	100	1	100	36
35	28	100	21	100	11	100	21	100	8	100	35
34	78	99	44	100	56	99	27	99	22	100	34
33	66	98	27	99	131	99	33	99	35	100	33
32	89	97	49	99	145	97	50	99	47	99	32
31	70	96	56	98	153	95	48	98	75	98	31
30	90	95	114	97	152	93	72	97	113	97	30
29	120	94	149	96	182	91	80	96	146	96	29
28	145	92	211	94	208	88	147	95	171	94	28
27	157	90	246	91	216	85	201	93	237	91	27
26	203	88	393	87	245	82	206	90	279	88	26
25	314	85	411	82	225	79	540	88	411	84	25
24	407	81	549	76	383	76	581	80	447	79	24
23	337	75	429	69	510	70	426	72	408	72	23
22	499	71	269	63	359	63	713	66	528	67	22
21	574	64	379	59	667	58	653	56	585	59	21
20	494	56	416	54	341	49	512	47	571	51	20
19	472	49	417	48	671	44	679	40	556	43	19
18	341	43	470	42	326	35	382	31	520	36	18
17	248	38	737	36	338	31	495	25	443	29	17
16	473	34	898	25	468	26	290	19	445	22	16
15	485	28	578	13	295	20	238	15	390	16	15
14	381	21	242	5	436	15	222	11	337	11	14
13	276	16	79	2	204	9	190	8	227	6	13
12	240	12	22	1	260	7	149	6	160	3	12
11	234	9	16	1	93	3	104	4	49	1	11
10	203	5	0	1	82	2	75	2	11	1	10
9	106	3	0	1	23	1	59	1	5	1	9
8	48	1	0	1	4	1	8	1	0	1	8
7	28	1	0	1	8	1	5	1	0	1	7
6	7	1	0	1	5	1	2	1	0	1	6
5	3	1	0	1	1	1	2	1	0	1	5
4	0	1	0	1	0	1	0	1	0	1	4
3	1	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)	19.6 (5.9)		20.7 (4.9)		20.8 (5.8)		20.6 (4.9)		20.6 (4.8)		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: 7,227

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subscore 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	127	100	46	100	82	100	106	100	138	100	37	100	29	100	18
17	280	98	35	99	322	99	289	99	224	98	23	99	11	100	17
16	180	94	240	99	370	94	296	95	310	95	107	99	204	99	16
15	362	92	345	96	343	89	425	90	399	91	303	98	308	97	15
14	248	87	331	91	509	85	414	85	525	85	541	93	643	92	14
13	485	83	598	86	863	78	515	79	846	78	689	86	559	83	13
12	550	77	632	78	709	66	578	72	660	66	630	76	723	76	12
11	730	69	922	69	645	56	643	64	563	57	1,070	68	1,113	66	11
10	727	59	730	56	661	47	570	55	533	49	963	53	721	50	10
9	712	49	976	46	646	38	1,108	47	765	42	1,314	40	1,132	40	9
8	855	39	685	33	690	29	546	32	745	31	663	21	913	25	8
7	525	27	569	23	785	19	513	24	742	21	443	12	413	12	7
6	496	20	449	15	287	8	406	17	471	11	135	6	55	6	6
5	429	13	325	9	177	4	526	11	217	4	194	4	234	6	5
4	270	7	273	5	88	2	157	4	60	1	12	2	55	2	4
3	207	3	56	1	31	1	100	2	19	1	91	1	66	2	3
2	37	1	13	1	15	1	33	1	9	1	2	1	24	1	2
1	7	1	2	1	4	1	2	1	1	1	10	1	24	1	1
Avg (SD)	9.8 (3.7)		9.9 (3.2)		10.9 (3.4)		10.3 (3.7)		10.7 (3.4)		10.4 (2.7)		10.4 (2.9)		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)	23	24	24	24	24
Q2 (50th Percentile)	20	20	21	21	20
Q1 (25th Percentile)	15	16	16	17	17

Total Students in Report: 7,227

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>7,227</b>	<b>54</b>	<b>22.5</b>	<b>18.3</b>
	Black/African American	124	46	18.1	15.0
	American Indian/Alaska Native	319	39	17.6	15.4
	White	5,882	56	22.9	18.7
	Hispanic/Latino	229	40	20.0	16.9
	Asian	103	66	23.1	16.0
	Native Hawaiian/Other Pac. Isl.	10	40	17.5	15.7
	Two or more races	282	52	21.6	18.0
	Prefer not/No Response	278	42	22.3	17.4
National	<b>All Students</b>	<b>1,845,787</b>	<b>73</b>	<b>21.8</b>	<b>18.9</b>
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

<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.

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	19.6	20.7	20.8	20.6	20.6
	Black/African American	14.5	17.0	16.8	16.6	16.3
	American Indian/Alaska Native	14.6	16.8	16.6	16.6	16.3
	White	20.1	21.1	21.3	21.1	21.1
	Hispanic/Latino	16.7	18.4	18.3	18.2	18.0
	Asian	18.9	22.0	20.1	20.5	20.5
	Native Hawaiian/Other Pac. Isl.	16.7	15.6	17.2	15.8	16.4
	Two or more races	19.0	20.2	20.0	20.0	19.9
	Prefer not/No Response	18.6	19.7	20.0	19.7	19.7
National	<b>All Students</b>	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7



Total Students in Report: 7,227

**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	182	3	97	1	227	3	98	1
	28 to 32	514	7	579	8	840	12	397	5
	24 to 27	1,081	15	1,599	22	1,069	15	1,528	21
	20 to 23	1,904	26	1,493	21	1,877	26	2,304	32
	16 to 19	1,534	21	2,522	35	1,803	25	1,846	26
	13 to 15	1,142	16	899	12	935	13	650	9
	01 to 12	870	12	38	1	476	7	404	6
National	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	3,558	49	19.0	21.0	20.5	20.8	20.5
	Females	3,658	51	20.1	20.4	21.1	20.4	20.6
	Missing	11	0	16.0	16.8	18.0	17.9	17.4
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	58	43	40	36	24
	Females	66	39	43	32	21
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

**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>	3,916	78	21.8	58	22.6	55	22.8	48	22.5	34	22.5
	Less than Core	2,589	44	17.1	20	18.4	27	18.7	17	18.5	9	18.3
	Missing <sup>3</sup>	722	39	16.4	22	18.4	24	18.1	18	18.1	10	17.9
National	Core or More	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing	92,717	36	16.0	18	17.7	23	17.7	16	17.6	10	17.4

<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 met 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>	6,057	66	20.1	5,463	51	21.8	5,901	45	21.4	4,736	44	21.9
	Less than Core	587	43	16.8	1,075	4	16.4	726	22	17.7	1,871	14	18.1
	Missing <sup>3</sup>	583	45	17.2	689	23	18.5	600	27	18.7	620	20	18.6
National	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

<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

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Figure 3.1. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

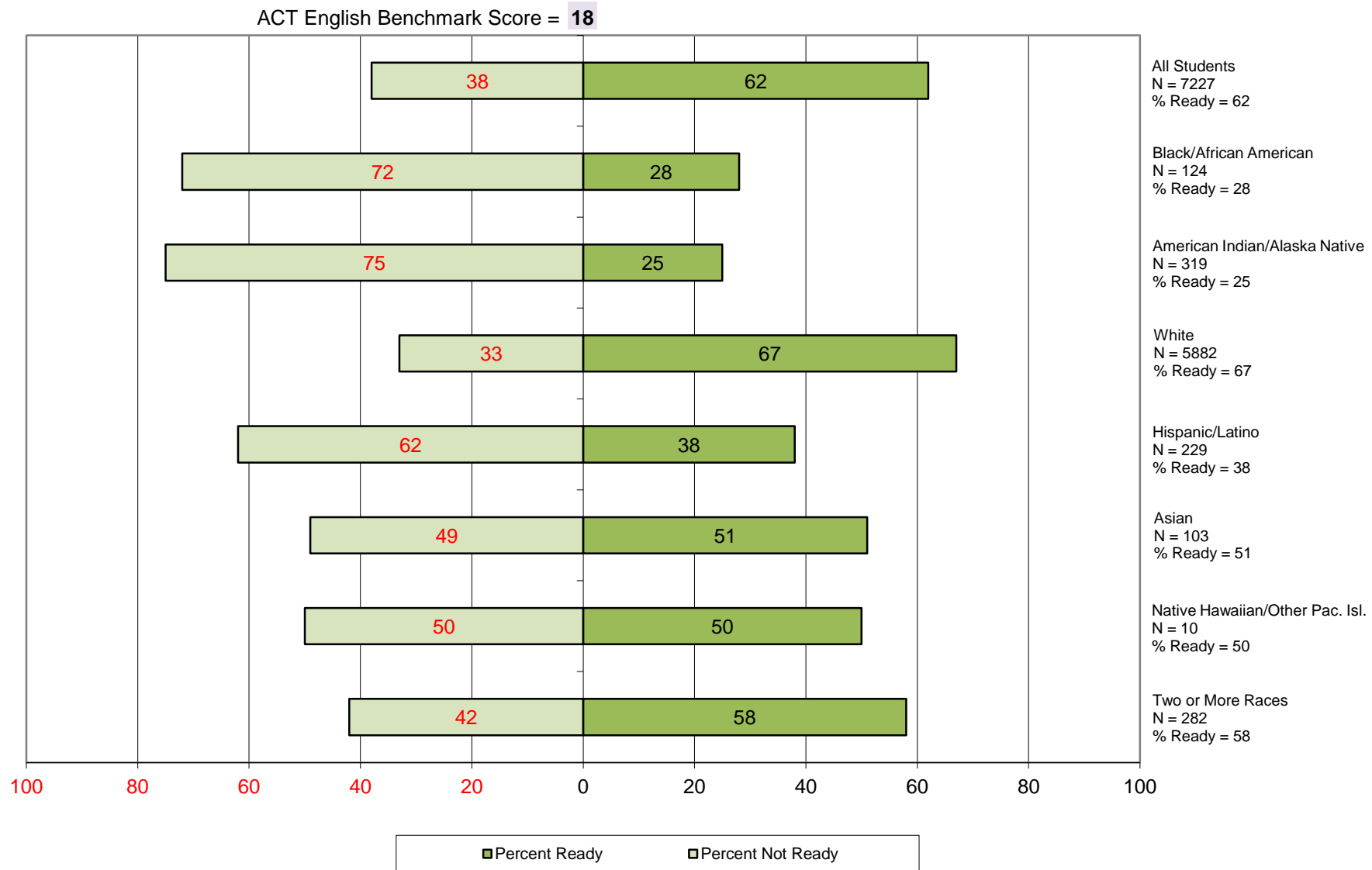


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

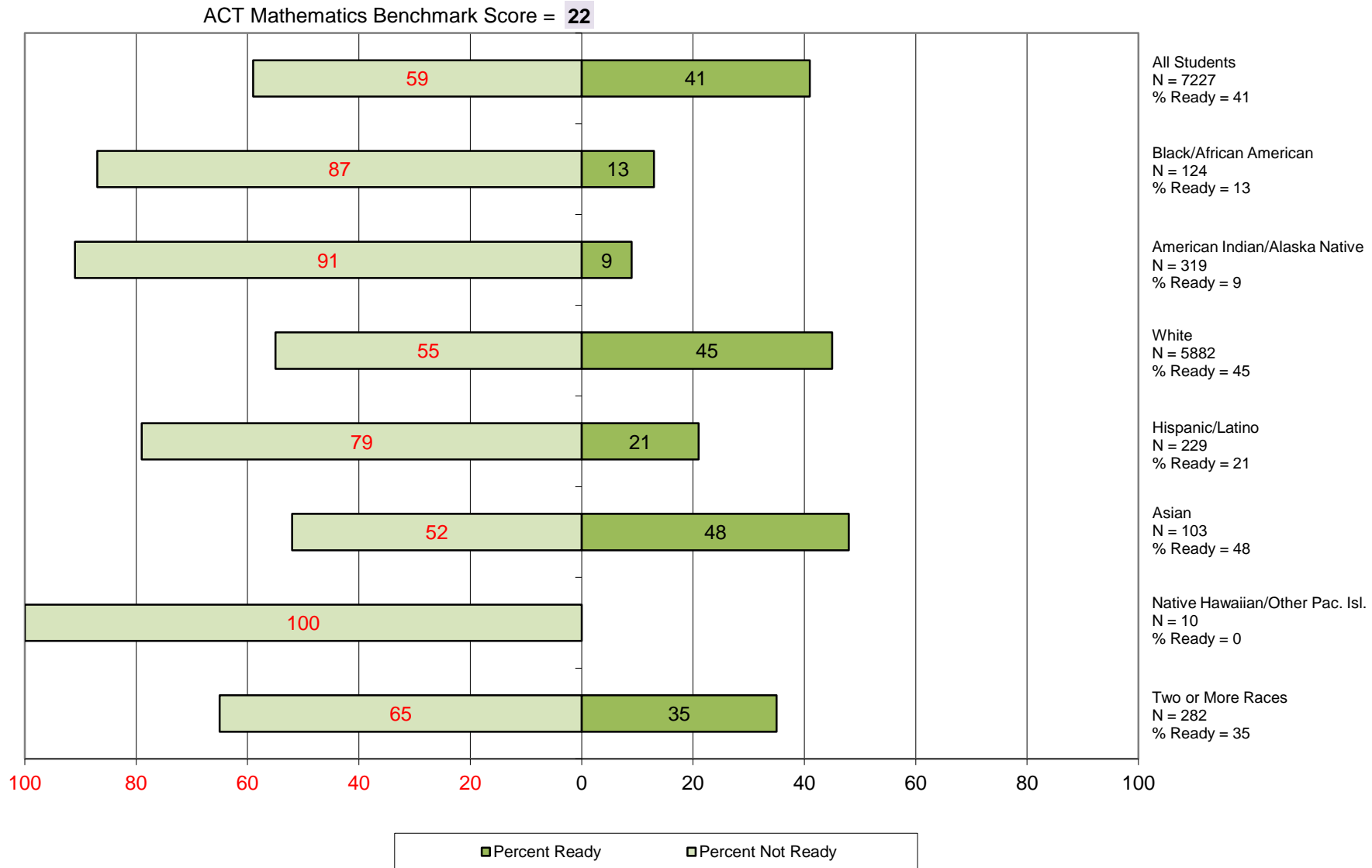


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

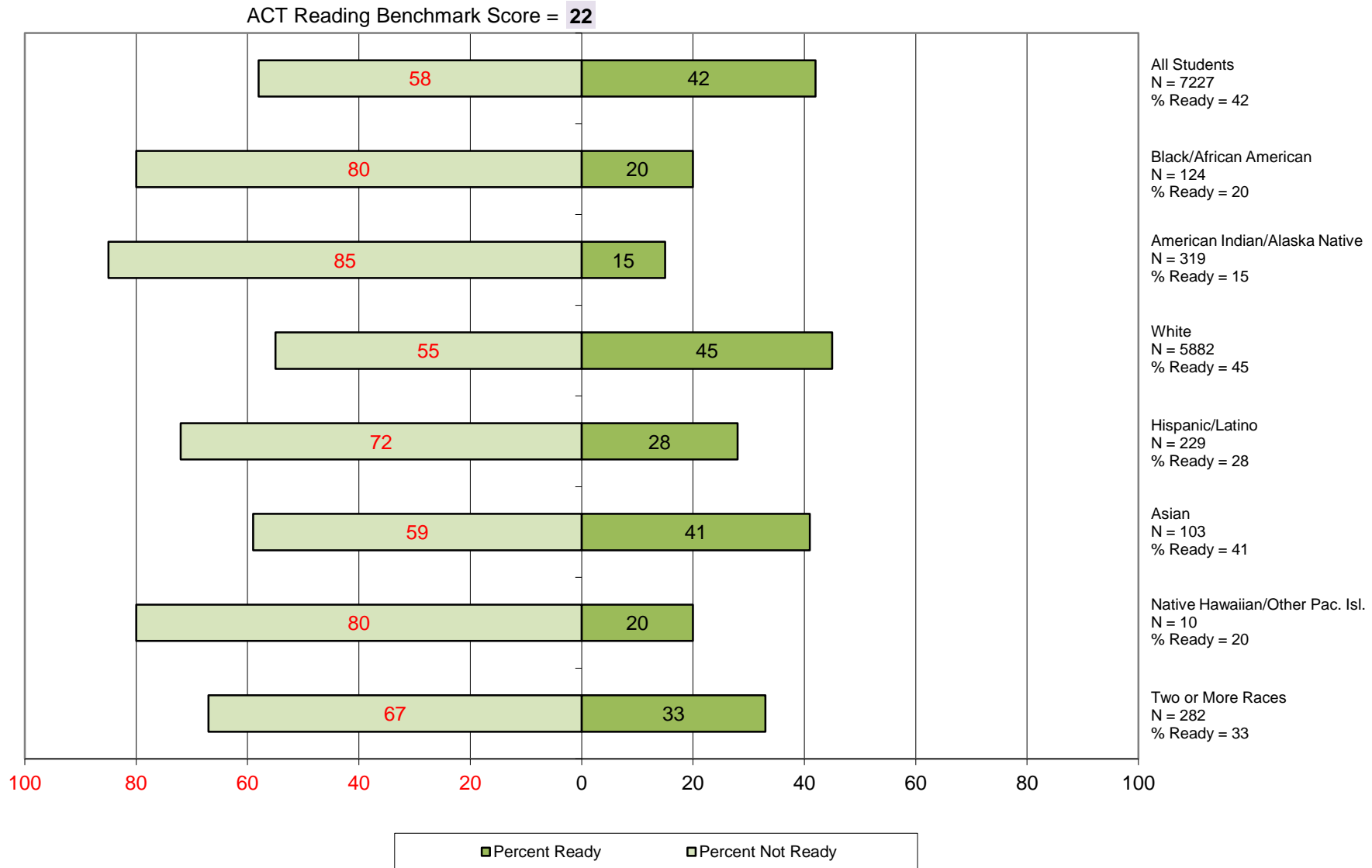


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

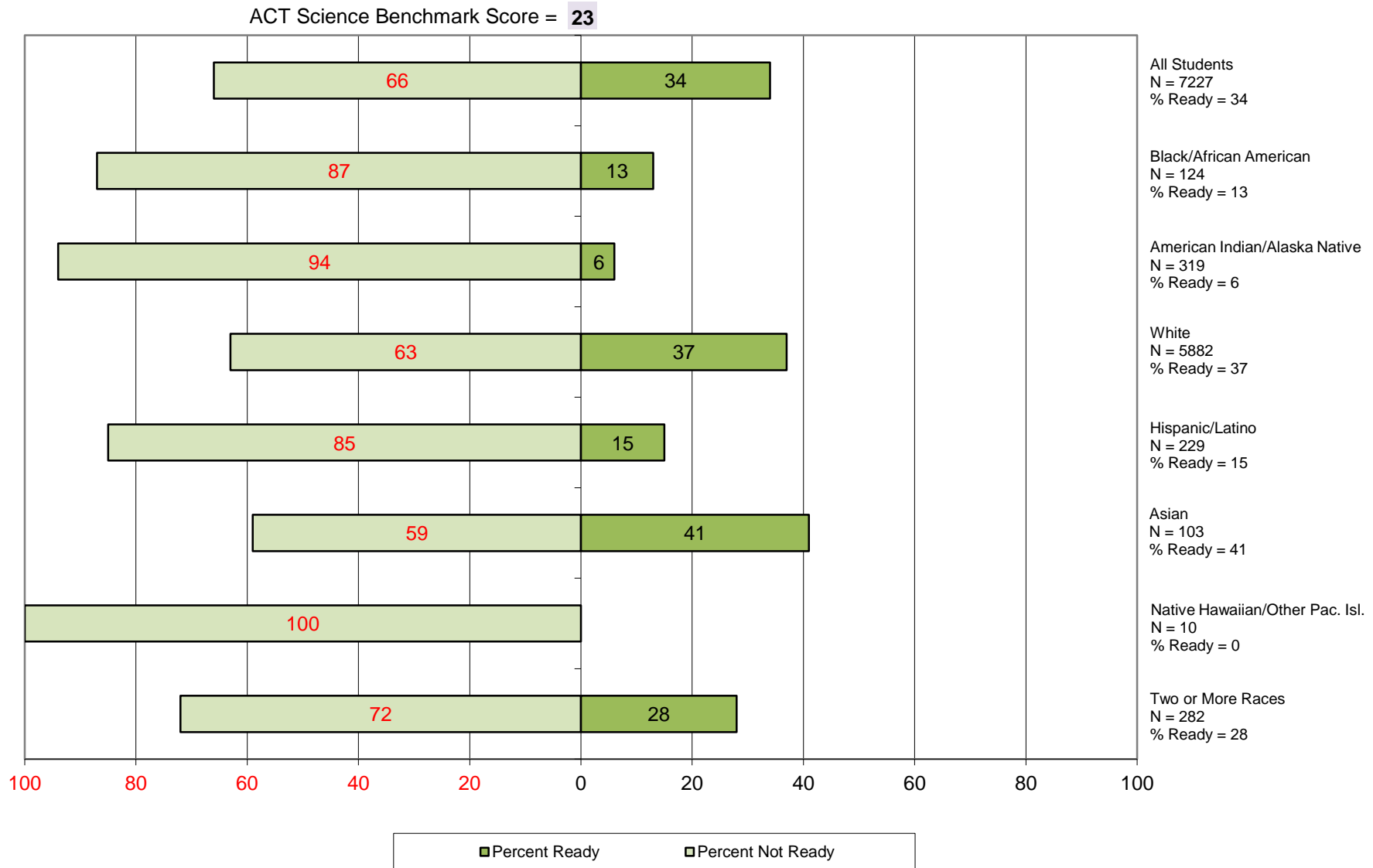
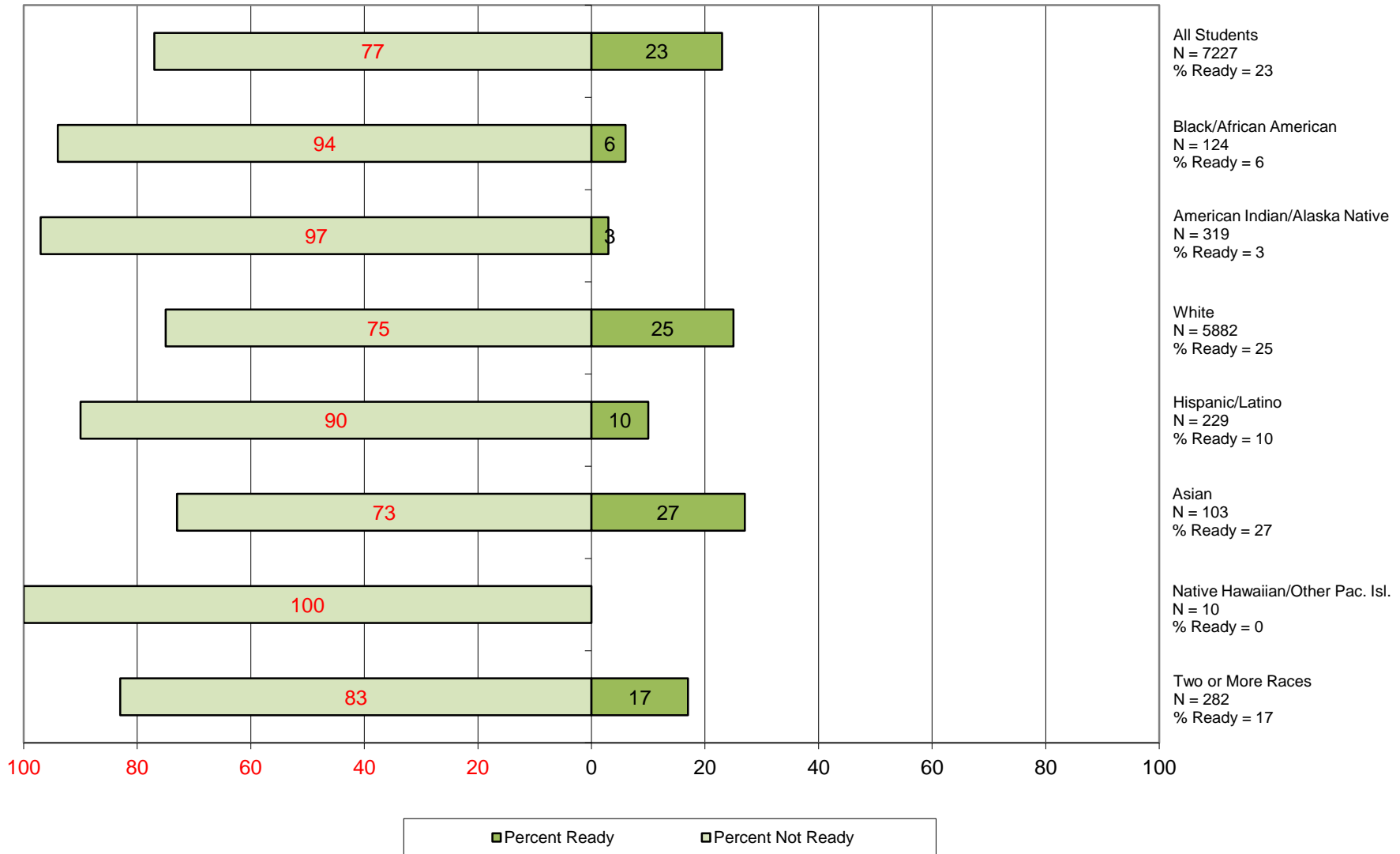


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 7,227

**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	1,692	23	21.6	4.8	655	18	20.9	4.4	1,037	28	21.9	4.7
Eng 9, Eng 10, Eng 11, Eng 12	4,365	60	19.5	2.7	2,261	64	19.1	2.6	2,099	57	19.9	2.7
Less than 4 years of English	587	8	16.8	-	309	9	16.5	-	276	8	17.2	-
Zero years / no English courses reported	583	8	17.2	-	333	9	16.9	-	246	7	17.6	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	112	2	25.0	8.6	62	2	26.3	9.7	50	1	23.4	7.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	559	8	23.6	7.2	234	7	24.5	7.9	324	9	23.0	6.9
Alg 1, Alg 2, Geom, & Trig	289	4	21.7	5.3	132	4	22.1	5.5	157	4	21.3	5.2
Alg 1, Alg 2, Geom, & Other Adv Math	1,581	22	22.2	5.8	649	18	22.7	6.1	932	25	21.9	5.8
Other comb of 4 or more years of Math	1,032	14	25.1	8.7	545	15	25.9	9.3	486	13	24.2	8.1
Alg 1, Alg 2, & Geom	1,668	23	18.7	2.3	838	24	19.2	2.6	827	23	18.3	2.2
Other comb of 3 or 3.5 years of Math	222	3	21.1	4.7	113	3	22.2	5.6	109	3	19.9	3.8
Less than 3 years of Math	1,075	15	16.4	-	592	17	16.6	-	481	13	16.1	-
Zero years / no Math courses reported	689	10	18.5	-	393	11	18.7	-	292	8	18.3	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	176	2	20.7	3.0	118	3	20.2	2.9	58	2	21.7	3.4
Other comb of 4 or more years Social Science	3,235	45	22.1	4.4	1,423	40	22.0	4.7	1,809	49	22.2	3.9
US Hist, World Hist, & Am Gov	524	7	19.6	1.9	309	9	19.4	2.1	214	6	20.0	1.7
Other comb of 3 or 3.5 years of Social Science	1,966	27	20.9	3.2	941	26	20.8	3.5	1,024	28	21.0	2.7
Less than 3 years of Social Science	726	10	17.7	-	420	12	17.3	-	304	8	18.3	-
Zero years / no Social Science courses reported	600	8	18.7	-	347	10	18.5	-	249	7	18.8	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	1,627	23	23.2	5.1	902	25	23.8	5.7	724	20	22.5	4.4
Bio, Chem, Phys	49	1	22.8	4.7	24	1	23.3	5.2	24	1	22.4	4.3
Gen Sci <sup>2</sup> , Bio, Chem	2,743	38	21.2	3.1	1,104	31	21.4	3.3	1,637	45	21.1	3.0
Other comb of 3 years of Natural Science	317	4	20.6	2.5	215	6	20.7	2.6	101	3	20.4	2.3
Less than 3 years of Natural Science	1,871	26	18.1	-	961	27	18.1	-	908	25	18.1	-
Zero years / no Natural Science courses reported	620	9	18.6	-	352	10	18.9	-	264	7	18.2	-

<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: 7,227

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

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	1,692	23	21.6	76	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	4,365	60	19.5	62	1,305,220	71	20.5	65
Less than 4 years of English	587	8	16.8	43	88,420	5	15.9	36
Zero years / no English courses reported	583	8	17.2	45	81,272	4	16.3	38
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	112	2	25.0	77	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	559	8	23.6	72	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	289	4	21.7	49	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	1,581	22	22.2	57	356,555	19	19.4	31
Other comb of 4 or more years of Math	1,032	14	25.1	77	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	1,668	23	18.7	21	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	222	3	21.1	44	90,105	5	19.8	35
Less than 3 years of Math	1,075	15	16.4	4	74,627	4	16.4	8
Zero years / no Math courses reported	689	10	18.5	23	84,966	5	17.8	19
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	176	2	20.7	39	48,992	3	22.3	50
Other comb of 4 or more years Social Science	3,235	45	22.1	51	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	524	7	19.6	32	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	1,966	27	20.9	41	504,877	27	21.3	43
Less than 3 years of Social Science	726	10	17.7	22	180,385	10	19.4	32
Zero years / no Social Science courses reported	600	8	18.7	27	85,294	5	17.8	24
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	1,627	23	23.2	58	781,043	42	22.1	46
Bio, Chem, Phys	49	1	22.8	59	199,419	11	23.1	54
Gen Sci <sup>1</sup> , Bio, Chem	2,743	38	21.2	36	505,460	27	20.0	28
Other comb of 3 years of Natural Science	317	4	20.6	35	52,236	3	19.2	24
Less than 3 years of Natural Science	1,871	26	18.1	14	220,701	12	18.1	17
Zero years / no Natural Science courses reported	620	9	18.6	20	86,928	5	17.7	17

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

# Section IV

## Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 7,227

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	293	4	20.0	79	7	17.9	202	4	20.9
Architecture	70	1	22.2	5	0	19.6	62	1	22.3
Area, Ethnic, & Multidisciplinary Studies	4	0	25.3	0	0	.	4	0	25.3
Arts: Visual & Performing	408	6	20.4	77	7	17.4	310	6	21.3
Business	421	6	21.6	46	4	17.9	368	7	22.1
Communications	67	1	21.4	9	1	18.1	55	1	22.1
Community, Family, & Personal Services	326	5	18.1	115	10	16.8	195	4	19.0
Computer Science & Mathematics	162	2	23.0	19	2	19.7	138	3	23.5
Education	432	6	20.9	23	2	16.7	395	8	21.3
Engineering	406	6	22.8	56	5	17.3	334	7	23.9
Engineering Technology & Drafting	141	2	20.0	48	4	17.8	89	2	21.3
English & Foreign Languages	68	1	22.2	4	0	17.3	61	1	22.6
Health Administration & Assisting	126	2	18.7	23	2	16.7	99	2	19.3
Health Sciences & Technologies	1,454	20	21.4	96	8	17.1	1,323	26	21.8
Philosophy, Religion, & Theology	31	0	22.5	1	0	20.0	26	1	22.7
Repair, Production, & Construction	421	6	18.0	292	26	17.6	107	2	19.4
Sciences: Biological & Physical	221	3	23.9	6	1	19.0	209	4	24.0
Social Sciences & Law	403	6	21.5	24	2	18.0	369	7	21.8
Undecided	868	12	20.3	161	14	17.1	625	12	21.5
No Response	884	12	18.3	47	4	15.3	68	1	18.4

<sup>1</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>2</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 7,227

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic 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	225	17.1	2	15.5	9	16.0	183	17.6	6	15.0
2-yr College Degree	915	17.4	15	15.9	39	14.5	748	17.7	37	16.3
Bachelors Degree	3,247	20.9	58	16.1	140	16.3	2,702	21.4	97	17.9
Graduate Study	629	23.0	9	18.8	22	16.9	526	23.6	11	21.5
Prof. Level Degree	1,172	23.4	20	18.6	54	18.3	935	23.9	41	20.6
Other	175	16.9	5	12.4	21	15.5	114	17.5	11	15.4
No Response	864	18.8	15	14.4	34	15.3	674	19.1	26	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	225	17.1	1	14.0	0	.	7	14.6	17	15.5
2-yr College Degree	915	17.4	6	17.7	2	18.0	34	17.5	34	16.1
Bachelors Degree	3,247	20.9	41	18.0	4	17.5	116	19.9	89	20.9
Graduate Study	629	23.0	6	19.3	1	12.0	28	21.7	26	21.3
Prof. Level Degree	1,172	23.4	37	25.9	1	18.0	51	22.3	33	23.5
Other	175	16.9	4	12.3	1	17.0	5	19.0	14	17.4
No Response	864	18.8	8	16.4	1	11.0	41	18.8	65	18.7

Total Students in Report: 7,227

**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	2,953	1,205	1,748	2	8	21	35	25	9	1
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,748	960	1,788	1	8	23	33	25	9	1
BISMARCK STATE COLLEGE	North Dakota	1,614	749	865	3	16	34	29	14	3	0
NORTH DAKOTA STATE COLLEGE OF SCIENCE	North Dakota	1,056	454	602	3	18	35	30	11	2	0
MINOT STATE UNIVERSITY	North Dakota	805	222	583	1	14	30	31	18	6	0
UNIVERSITY OF MARY	North Dakota	705	153	552	1	9	24	34	25	7	0
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	518	122	396	0	3	10	28	36	22	2
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	498	109	389	3	7	24	36	23	6	1
VALLEY CITY STATE UNIVERSITY	North Dakota	498	95	403	1	12	31	32	20	4	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	466	466	0	5	22	34	22	10	6	2
UNIVERSITY OF JAMESTOWN	North Dakota	432	109	323	3	8	29	34	20	6	0
DICKINSON STATE UNIVERSITY	North Dakota	319	62	257	3	15	30	30	19	3	0
MAYVILLE STATE UNIVERSITY	North Dakota	309	67	242	4	16	34	26	16	4	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	302	62	240	2	4	16	31	31	15	1
WILLISTON STATE COLLEGE	North Dakota	283	174	109	5	18	35	26	13	3	0
LAKE REGION STATE COLLEGE	North Dakota	280	94	186	6	23	31	22	13	4	0
NCAA ELIGIBILITY CENTER	Indiana	222	60	162	3	7	25	32	25	7	1
DAKOTA COLLEGE AT BOTTINEAU	North Dakota	174	43	131	2	26	43	24	6	0	0
MINN ST COMM & TECH COLL-MOORHEAD	Minnesota	164	56	108	9	20	35	31	4	2	0
STATE-NO COLLEGE PLANS	Iowa	153	153	0	19	37	29	11	3	1	0
RASMUSSEN COLLEGE-FARGO	North Dakota	147	29	118	3	20	41	20	12	3	1
ARIZONA STATE UNIVERSITY	Arizona	129	29	100	1	3	26	42	18	9	1
NORTHLAND COMM & TECH COLL-E GRAND FRKS	Minnesota	129	53	76	4	18	40	29	9	1	0
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	116	19	97	1	3	24	35	25	12	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	106	28	78	1	6	21	30	28	14	0
TURTLE MOUNTAIN COMMUNITY COLLEGE	North Dakota	97	50	47	6	38	42	11	1	1	0
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	96	15	81	0	4	31	30	23	11	0
RASMUSSEN COLLEGE-BISMARCK	North Dakota	84	12	72	1	21	43	24	10	0	1
UNIV OF MINNESOTA-CROOKSTON	Minnesota	76	19	57	1	12	30	41	8	8	0
BEMIDJI STATE UNIVERSITY	Minnesota	73	14	59	1	3	33	40	16	7	0
All Other Institutions		4,837	1,014	3,823	3	11	24	28	20	12	2
<b>Total</b>		<b>20,389</b>	<b>6,697</b>	<b>13,692</b>	<b>3</b>	<b>12</b>	<b>26</b>	<b>30</b>	<b>20</b>	<b>8</b>	<b>1</b>

# Section V

## Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 7,227

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity 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>5,340</b>	<b>976,031</b>	<b>19.0</b>	<b>21.3</b>	<b>6.2</b>	<b>7.1</b>	<b>18.1</b>	<b>20.6</b>
Black/African American	95	114,263	14.5	16.4	5.6	6.3	14.3	16.3
American Indian/Alaska Native	249	6,408	14.6	16.8	5.5	6.2	14.2	16.5
White	4,271	520,054	19.6	23.1	6.2	7.3	18.6	22.1
Hispanic/Latino	180	167,575	16.2	18.5	5.8	6.9	15.7	18.4
Asian	76	61,663	18.7	23.7	6.5	7.7	18.2	22.9
Native Hawaiian/Other Pac. Isl.	10	3,742	16.7	17.7	6.1	6.6	16.2	17.6
Two or more races	221	39,565	18.5	21.4	6.1	7.1	17.7	20.7
Prefer not/No Response	238	62,761	18.1	21.6	6.0	7.1	17.2	20.9
Males	2,793	438,500	18.5	21.1	5.8	6.9	17.4	20.2
Females	2,536	530,240	19.6	21.6	6.6	7.3	18.9	21.1
Missing	11	7,291	16.0	16.0	6.1	5.9	15.6	15.7





