

ACT Profile Report - State

Graduating Class 2013
North Dakota



ACT, INC. -- CONFIDENTIAL



Table of Contents

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

This report provides information about the performance of your 2013 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 2013. 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.

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 for 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

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: 7,102 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. 56% 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 14% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 24% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 21% of these students were college ready. In comparison, 66% 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. 15% 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 45% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

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.

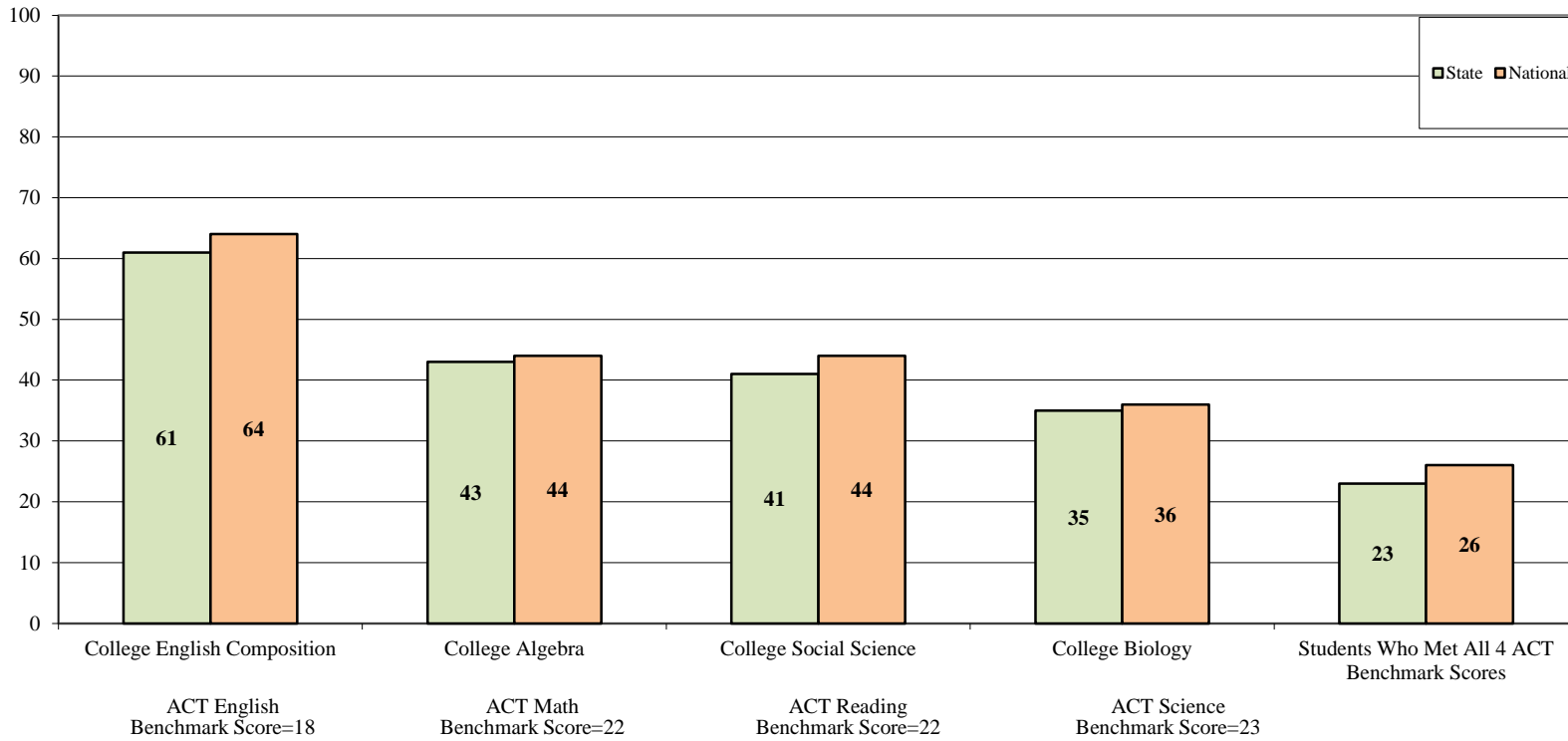
Section I

Executive Summary

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.

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.

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
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
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

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
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
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
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

Total Students in Report: 7,102

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
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
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

¹"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.

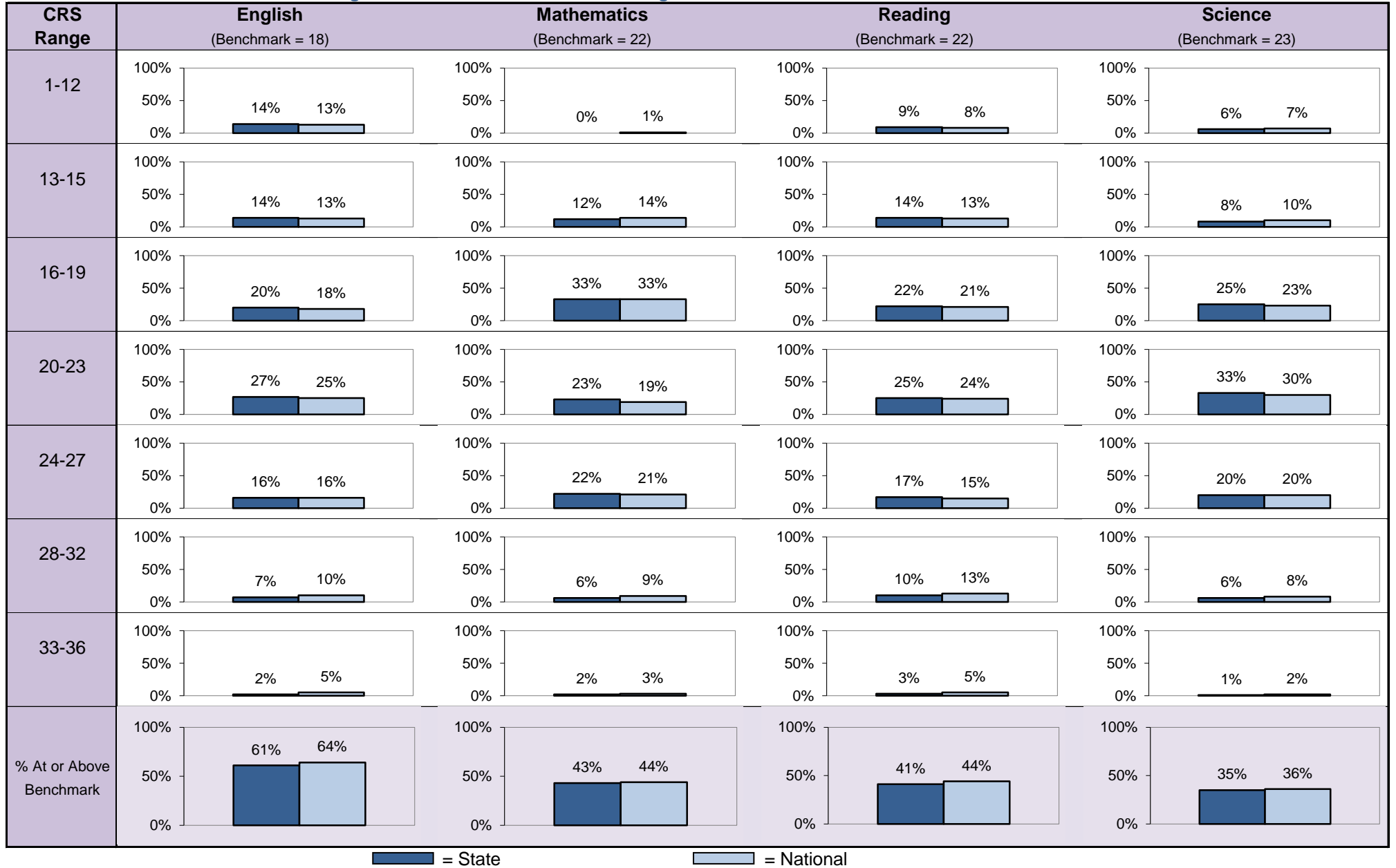
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	5,791	100	21.5	5,882	100	21.5	7,057	100	20.7	6,896	100	20.7	7,102	100	20.5
Black/African American	54	1	18.8	52	1	17.1	73	1	16.4	100	1	15.6	100	1	16.0
American Indian/Alaska Native	230	4	17.8	276	5	17.0	387	5	16.5	290	4	16.8	290	4	16.1
White	5,181	89	21.7	5,214	89	21.8	5,855	83	21.2	5,712	83	21.2	5,908	83	20.9
Hispanic/Latino	47	1	20.3	58	1	20.3	130	2	18.1	171	2	18.1	198	3	18.0
Asian	43	1	21.2	57	1	22.1	78	1	20.8	80	1	19.3	84	1	21.6
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	2	0	13.5	8	0	20.0	12	0	18.6
Two or more races	61	1	21.4	69	1	21.2	151	2	20.1	225	3	20.3	226	3	19.8
Prefer not to respond/No response	175	3	21.2	156	3	20.6	381	5	18.8	310	4	19.5	284	4	19.3

Total Students in Report: 7,102

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



Total Students in Report: 7,102

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	6,716	95	19.9	21.0	20.8	20.9	20.8
	Extended Time	386	5	13.5	16.3	16.0	17.0	15.8
	Total	7,102	100	19.5	20.8	20.5	20.7	20.5
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

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	64	45	43	36	24
	Extended Time	17	8	15	11	5
	Total	61	43	41	35	23
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	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: 7,102

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	8	100	11	100	28	100	8	100	1	100	36
35	51	100	15	100	13	100	20	100	5	100	35
34	33	99	58	100	82	99	17	100	24	100	34
33	55	99	55	99	109	98	36	99	35	100	33
32	55	98	31	98	110	97	53	99	72	99	32
31	100	97	57	98	144	95	66	98	55	98	31
30	98	96	83	97	171	93	103	97	105	97	30
29	83	94	106	96	94	91	106	96	124	96	29
28	167	93	178	94	192	89	122	94	146	94	28
27	183	91	289	92	199	87	177	93	213	92	27
26	262	88	380	88	234	84	293	90	300	89	26
25	302	85	404	82	272	81	346	86	385	85	25
24	395	80	514	77	503	77	601	81	504	79	24
23	389	75	479	69	305	70	546	73	393	72	23
22	503	69	415	63	485	65	452	65	534	67	22
21	493	62	382	57	468	59	713	59	511	59	21
20	553	55	388	51	540	52	651	48	561	52	20
19	320	47	443	46	412	44	643	39	556	44	19
18	316	43	441	40	350	39	430	30	553	36	18
17	335	39	663	33	505	34	286	24	447	29	17
16	444	34	818	24	291	27	448	20	382	22	16
15	419	28	527	13	416	22	236	14	371	17	15
14	294	22	252	5	267	17	216	11	323	12	14
13	246	18	79	2	298	13	139	8	261	7	13
12	242	14	24	1	293	9	146	6	158	3	12
11	275	11	2	1	126	5	167	3	66	1	11
10	226	7	6	1	105	3	41	1	15	1	10
9	115	4	1	1	49	1	22	1	1	1	9
8	91	2	1	1	20	1	9	1	0	1	8
7	33	1	0	1	12	1	6	1	1	1	7
6	10	1	0	1	4	1	1	1	0	1	6
5	4	1	0	1	0	1	0	1	0	1	5
4	2	1	0	1	3	1	1	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	1
Avg (SD)	19.5 (6.0)		20.8 (4.8)		20.5 (5.9)		20.7 (4.8)		20.5 (4.8)		Avg (SD)

¹CP 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: 7,102

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), 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	133	100	53	100	125	100	148	100	174	100	34	100	40	100	18
17	219	98	28	99	296	98	234	98	261	98	70	100	9	99	17
16	203	95	218	99	316	94	323	95	235	94	137	99	135	99	16
15	303	92	334	96	374	90	399	90	403	91	248	97	403	97	15
14	323	88	414	91	412	84	243	84	451	85	406	93	510	92	14
13	486	83	577	85	564	79	488	81	825	79	747	87	686	85	13
12	425	77	749	77	970	71	516	74	582	67	786	77	765	75	12
11	655	71	842	67	638	57	927	67	575	59	1,032	66	1,004	64	11
10	911	61	729	55	649	48	644	54	872	51	891	51	761	50	10
9	657	48	962	44	642	39	572	45	478	38	791	39	1,284	39	9
8	566	39	623	31	849	30	557	37	752	32	1,141	28	655	21	8
7	716	31	557	22	449	18	507	29	831	21	212	12	448	12	7
6	497	21	269	14	327	12	734	22	386	9	318	9	62	6	6
5	498	14	337	11	339	7	334	11	205	4	62	4	221	5	5
4	280	7	271	6	93	2	348	7	48	1	135	3	22	2	4
3	181	3	119	2	42	1	83	2	17	1	76	1	73	1	3
2	44	1	18	1	13	1	42	1	7	1	1	1	10	1	2
1	5	1	2	1	4	1	3	1	0	1	15	1	14	1	1
Avg (SD)	9.7 (3.7)		10.0 (3.2)		10.7 (3.4)		10.0 (3.8)		10.7 (3.4)		10.4 (2.8)		10.5 (2.8)		Avg (SD)

¹CP 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: 7,102

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 ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	7,102	56	22.3	18.1
	Black/African American	100	38	18.0	15.1
	American Indian/Alaska Native	290	43	17.2	15.3
	White	5,908	59	22.6	18.5
	Hispanic/Latino	198	39	20.4	16.6
	Asian	84	61	23.9	18.9
	Native Hawaiian/Other Pac. Isl.	12	67	20.3	11.0
	Two or more races	226	51	21.2	18.1
	Prefer not/No Response	284	42	22.0	17.7
National	All Students	1,799,243	74	21.7	18.7
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	18.4

¹"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	All Students	19.5	20.8	20.5	20.7	20.5
	Black/African American	14.4	16.9	15.9	16.3	16.0
	American Indian/Alaska Native	14.2	16.8	16.0	16.8	16.1
	White	20.0	21.2	20.9	21.1	20.9
	Hispanic/Latino	16.7	18.3	18.1	18.4	18.0
	Asian	20.3	23.2	20.8	21.9	21.6
	Native Hawaiian/Other Pac. Isl.	16.7	19.1	19.4	18.9	18.6
	Two or more races	18.7	20.0	20.0	19.8	19.8
	Prefer not/No Response	18.2	19.5	19.6	19.3	19.3
National	All Students	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7

Total Students in Report: 7,102

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	147	2	139	2	232	3	81	1
	28 to 32	503	7	455	6	711	10	450	6
	24 to 27	1,142	16	1,587	22	1,208	17	1,417	20
	20 to 23	1,938	27	1,664	23	1,798	25	2,362	33
	16 to 19	1,415	20	2,365	33	1,558	22	1,807	25
	13 to 15	959	14	858	12	981	14	591	8
	01 to 12	998	14	34	0	614	9	394	6
National	33 to 36	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	3,586	50	18.8	21.0	19.9	20.8	20.3
	Females	3,508	49	20.2	20.5	21.1	20.5	20.7
	Missing	8	0	16.5	17.9	15.8	17.8	17.3
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

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	56	45	37	37	23
	Females	67	41	46	33	22
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	4,011	76	21.6	60	22.6	53	22.3	48	22.3	33	22.3
	Less than Core	2,521	44	16.9	21	18.4	26	18.2	17	18.5	8	18.1
	Missing ³	570	39	16.5	26	18.6	26	17.9	23	18.4	13	18.0
National	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing	79,912	36	16.0	19	17.8	24	17.5	17	17.7	10	17.4

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "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.

³ Zero years or no coursework information reported in one or more content areas.

⁴ 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 ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	6,127	65	20.0	5,544	52	21.8	6,005	44	21.0	4,796	44	21.8
	Less than Core	514	40	16.1	1,021	7	16.6	630	22	16.8	1,812	15	18.2
	Missing ³	461	43	17.1	537	26	18.6	467	29	18.5	494	26	18.9
National	Core or More	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	17.8

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "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.

³ 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

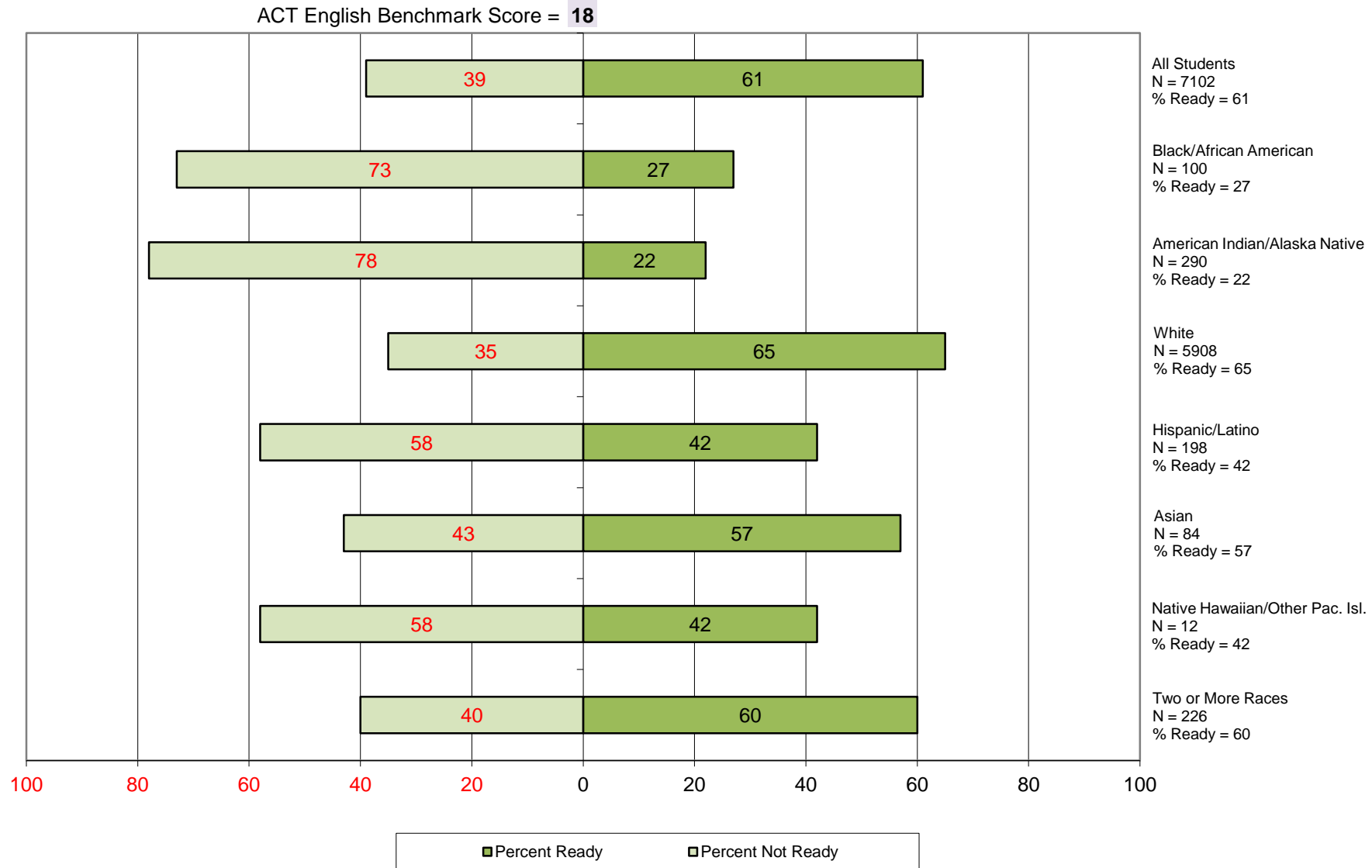


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

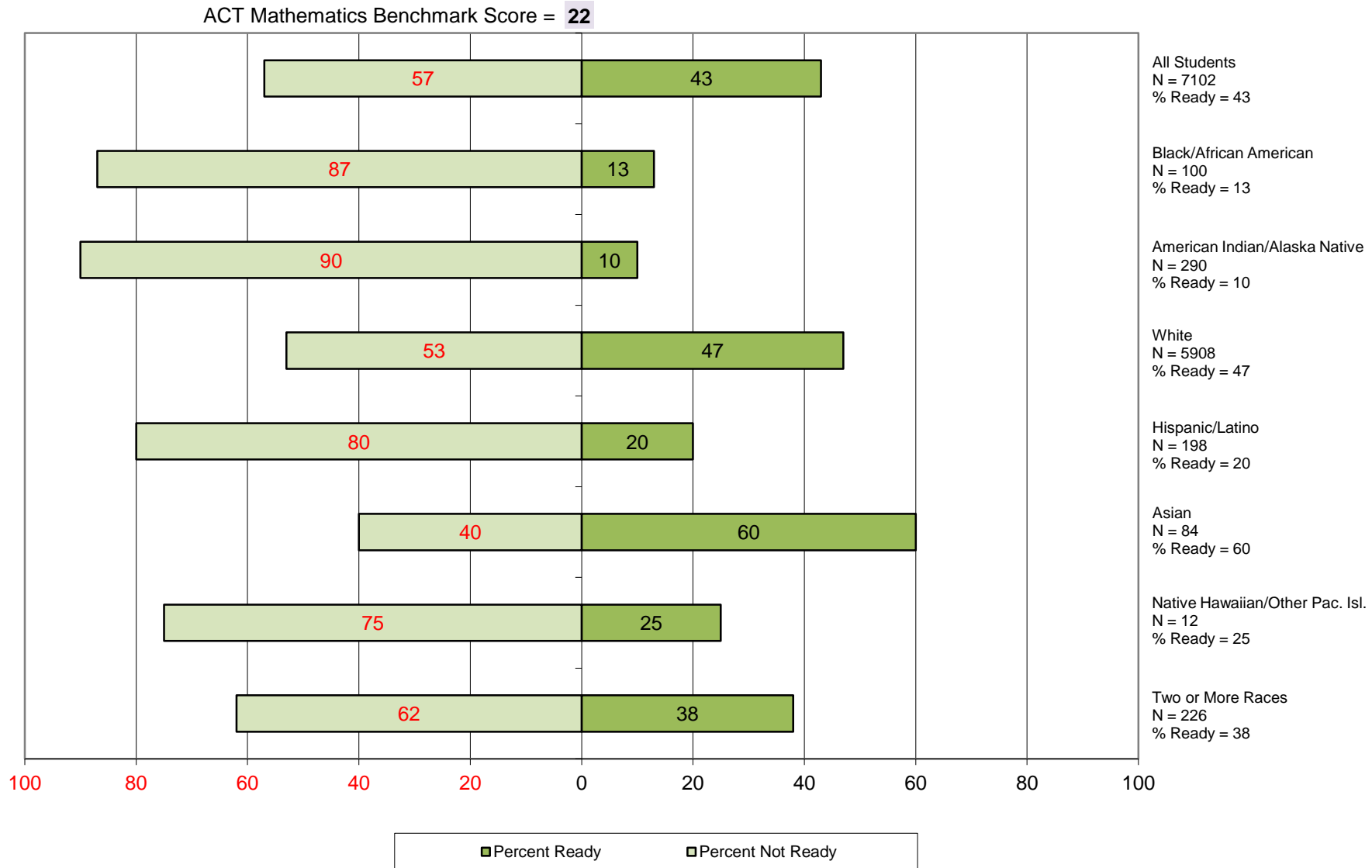


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

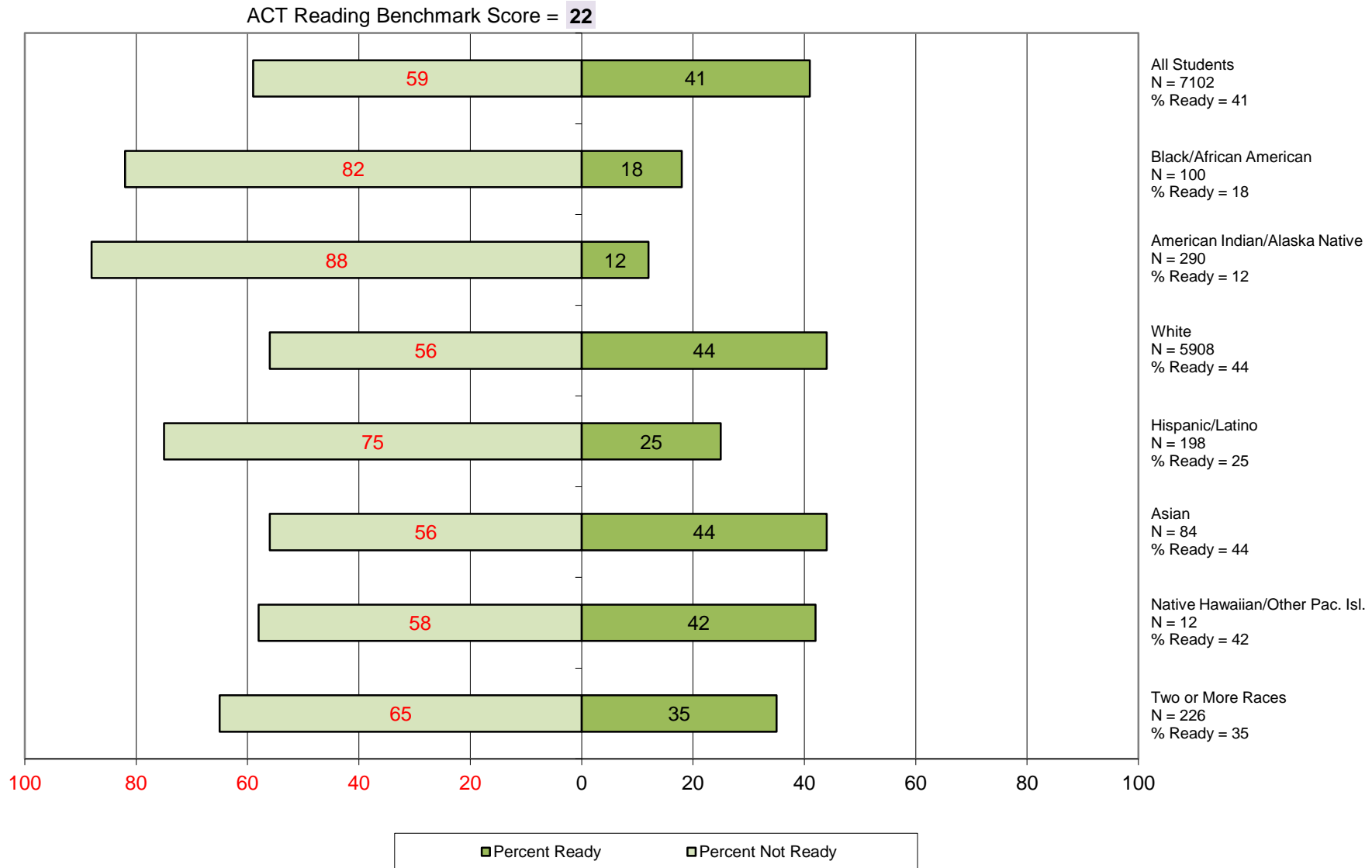


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

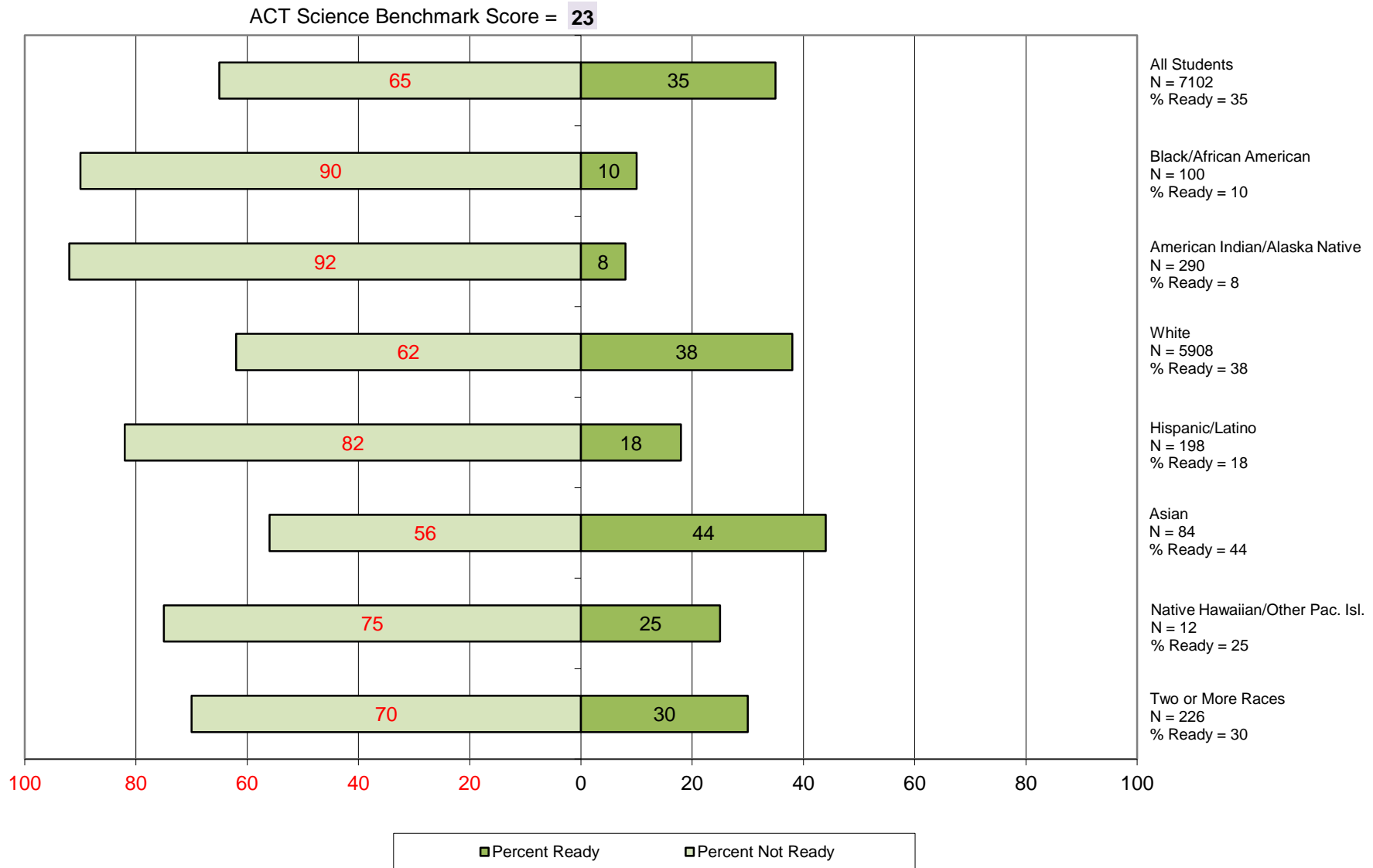
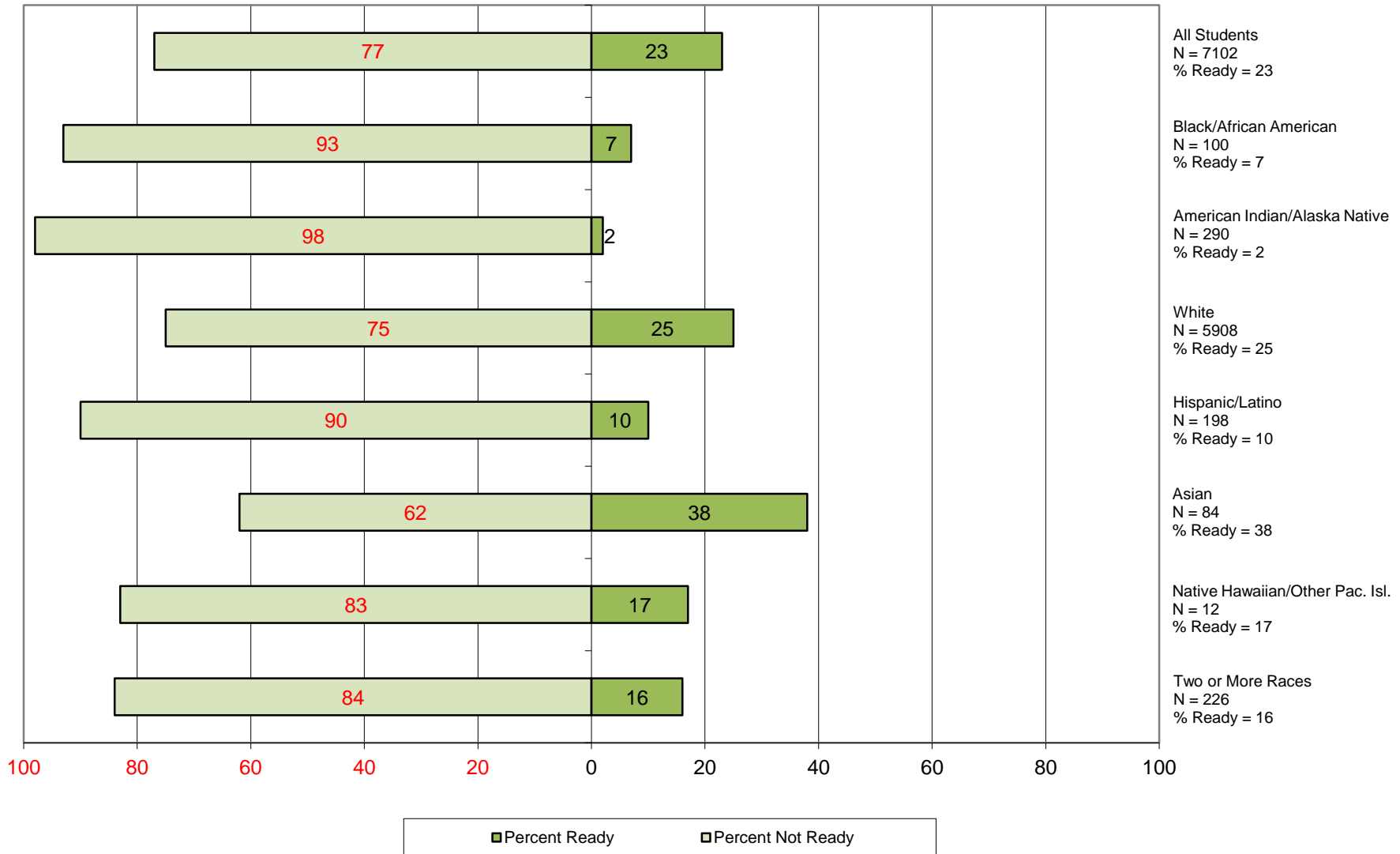


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 7,102

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 ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	1,820	26	21.3	5.2	792	22	20.8	5.3	1,027	29	21.7	4.6
Eng 9, Eng 10, Eng 11, Eng 12	4,307	61	19.4	3.3	2,248	63	18.9	3.4	2,054	59	20.0	2.9
Less than 4 years of English	514	7	16.1	-	298	8	15.5	-	215	6	17.1	-
Zero years / no English courses reported	461	6	17.1	-	248	7	16.6	-	212	6	17.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	111	2	24.9	8.3	60	2	24.8	8.0	51	1	25.2	8.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	501	7	23.8	7.2	208	6	24.6	7.8	293	8	23.3	6.9
Alg 1, Alg 2, Geom, & Trig	243	3	21.7	5.1	117	3	22.2	5.4	126	4	21.3	4.9
Alg 1, Alg 2, Geom, & Other Adv Math	1,734	24	22.3	5.7	722	20	22.9	6.1	1,012	29	21.9	5.5
Other comb of 4 or more years of Math	987	14	25.2	8.6	564	16	25.7	8.9	423	12	24.6	8.2
Alg 1, Alg 2, & Geom	1,735	24	18.6	2.0	885	25	19.0	2.2	848	24	18.2	1.8
Other comb of 3 or 3.5 years of Math	233	3	20.5	3.9	135	4	20.9	4.1	97	3	19.8	3.4
Less than 3 years of Math	1,021	14	16.6	-	600	17	16.8	-	417	12	16.4	-
Zero years / no Math courses reported	537	8	18.6	-	295	8	18.6	-	241	7	18.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	194	3	19.3	2.5	131	4	18.8	2.6	63	2	20.2	2.4
Other comb of 4 or more years Social Science	3,293	46	21.8	5.0	1,526	43	21.4	5.2	1,763	50	22.1	4.3
US Hist, World Hist, & Am Gov	506	7	19.5	2.7	275	8	18.7	2.5	230	7	20.4	2.6
Other comb of 3 or 3.5 years of Social Science	2,012	28	20.4	3.6	1,021	28	19.9	3.7	990	28	20.8	3.0
Less than 3 years of Social Science	630	9	16.8	-	381	11	16.2	-	248	7	17.8	-
Zero years / no Social Science courses reported	467	7	18.5	-	252	7	17.9	-	214	6	19.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,652	23	23.5	5.3	952	27	23.9	5.7	699	20	22.9	4.6
Bio, Chem, Phys	18	0	21.4	3.2	10	0	23.0	4.8	8	0	19.4	1.1
Gen Sci ² , Bio, Chem	2,868	40	20.9	2.7	1,211	34	20.9	2.7	1,654	47	21.0	2.7
Other comb of 3 years of Natural Science	258	4	19.9	1.7	169	5	19.8	1.6	89	3	20.2	1.9
Less than 3 years of Natural Science	1,812	26	18.2	-	976	27	18.2	-	834	24	18.3	-
Zero years / no Natural Science courses reported	494	7	18.9	-	268	7	19.1	-	224	6	18.7	-

¹Course 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.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 7,102

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
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	1,820	26	21.3	74	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	4,307	61	19.4	61	1,265,911	70	20.3	65
Less than 4 years of English	514	7	16.1	40	84,048	5	15.9	36
Zero years / no English courses reported	461	6	17.1	43	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	111	2	24.9	77	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	501	7	23.8	75	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	243	3	21.7	55	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	1,734	24	22.3	61	336,291	19	19.6	32
Other comb of 4 or more years of Math	987	14	25.2	79	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	1,735	24	18.6	21	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	233	3	20.5	39	88,866	5	19.7	34
Less than 3 years of Math	1,021	14	16.6	7	77,906	4	16.3	7
Zero years / no Math courses reported	537	8	18.6	26	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	194	3	19.3	28	50,989	3	22.2	51
Other comb of 4 or more years Social Science	3,293	46	21.8	50	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	506	7	19.5	35	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	2,012	28	20.4	39	489,586	27	21.0	43
Less than 3 years of Social Science	630	9	16.8	22	171,617	10	19.1	32
Zero years / no Social Science courses reported	467	7	18.5	29	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,652	23	23.5	60	767,293	43	21.9	46
Bio, Chem, Phys	18	0	21.4	50	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	2,868	40	20.9	35	504,165	28	19.9	28
Other comb of 3 years of Natural Science	258	4	19.9	30	51,822	3	19.1	25
Less than 3 years of Natural Science	1,812	26	18.2	15	218,267	12	18.0	17
Zero years / no Natural Science courses reported	494	7	18.9	26	74,011	4	17.8	18

¹Includes 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: 7,102

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 ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	302	4	19.3	113	10	18.1	175	4	20.3
Architecture	77	1	21.2	12	1	17.8	62	1	21.8
Area, Ethnic, & Multidisciplinary Studies	7	0	17.4	1	0	23.0	6	0	16.5
Arts: Visual & Performing	452	6	20.1	92	8	16.9	332	7	21.1
Business	428	6	21.4	46	4	17.8	367	8	21.9
Communications	71	1	23.0	2	0	15.0	67	1	23.2
Community, Family, & Personal Services	356	5	18.0	120	11	16.8	204	4	18.8
Computer Science & Mathematics	164	2	22.3	27	2	19.0	134	3	23.0
Education	426	6	21.0	30	3	16.3	387	8	21.4
Engineering	395	6	23.0	48	4	18.2	331	7	23.8
Engineering Technology & Drafting	131	2	19.3	51	4	17.1	67	1	21.0
English & Foreign Languages	63	1	23.3	2	0	19.5	61	1	23.4
Health Administration & Assisting	116	2	19.2	18	2	18.4	94	2	19.3
Health Sciences & Technologies	1,293	18	21.6	81	7	18.2	1,172	24	21.9
Philosophy, Religion, & Theology	30	0	23.6	2	0	14.5	26	1	24.3
Repair, Production, & Construction	400	6	17.6	286	25	17.0	97	2	19.8
Sciences: Biological & Physical	259	4	23.4	4	0	15.8	244	5	23.7
Social Sciences & Law	378	5	21.6	31	3	17.4	334	7	22.1
Undecided	784	11	20.4	123	11	17.0	588	12	21.4
No Response	953	13	18.4	39	3	15.0	50	1	17.5

¹2-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.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 7,102

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	222	16.5	2	14.5	13	13.5	180	16.8	12	15.0
2-yr College Degree	912	17.4	9	14.0	43	15.4	762	17.7	35	15.6
Bachelors Degree	3,144	20.9	43	15.8	131	16.4	2,681	21.3	75	18.5
Graduate Study	592	23.1	6	16.2	25	16.8	495	23.6	15	20.4
Prof. Level Degree	1,071	23.4	15	19.4	38	16.6	889	23.9	30	21.3
Other	161	17.1	1	11.0	11	13.9	110	17.8	8	16.1
No Response	1,000	18.9	24	15.3	29	16.2	791	19.4	23	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	222	16.5	0	.	0	.	8	15.9	7	17.7
2-yr College Degree	912	17.4	3	16.0	1	16.0	30	16.6	29	16.4
Bachelors Degree	3,144	20.9	29	18.9	6	17.8	95	19.9	84	20.7
Graduate Study	592	23.1	7	24.1	1	17.0	19	23.4	24	23.9
Prof. Level Degree	1,071	23.4	31	26.6	1	25.0	35	22.4	32	20.6
Other	161	17.1	1	14.0	0	.	12	16.4	18	16.2
No Response	1,000	18.9	13	16.4	3	19.3	27	19.3	90	17.9

Total Students in Report: 7,102

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	3,111	1,184	1,927	1	8	24	32	24	9	1
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,793	943	1,850	1	8	24	32	25	8	1
BISMARCK STATE COLLEGE	North Dakota	1,560	746	814	3	17	36	29	14	2	0
NORTH DAKOTA STATE COLLEGE OF SCIENCE	North Dakota	1,046	437	609	3	20	37	26	12	2	0
MINOT STATE UNIVERSITY	North Dakota	857	335	522	2	13	31	31	18	5	0
UNIVERSITY OF MARY	North Dakota	745	162	583	1	8	29	32	23	5	1
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	536	130	406	0	3	9	27	35	22	3
STATE-COLLEGE/NO REPORTS NOW	Iowa	530	530	0	7	24	32	22	12	4	1
VALLEY CITY STATE UNIVERSITY	North Dakota	494	94	400	3	17	34	26	16	4	0
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	493	126	367	1	8	27	35	21	8	0
JAMESTOWN COLLEGE	North Dakota	451	94	357	2	12	30	29	21	4	0
DICKINSON STATE UNIVERSITY	North Dakota	328	66	262	3	14	37	28	16	3	0
MAYVILLE STATE UNIVERSITY	North Dakota	307	75	232	3	15	36	27	17	3	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	301	70	231	1	2	14	25	38	19	2
LAKE REGION STATE COLLEGE	North Dakota	270	93	177	9	26	37	17	9	2	0
DAKOTA COLLEGE AT BOTTINEAU	North Dakota	204	44	160	6	23	41	22	7	1	0
NCAA ELIGIBILITY CENTER	Indiana	192	62	130	1	7	26	32	30	4	1
WILLISTON STATE COLLEGE	North Dakota	191	55	136	6	25	32	23	13	1	0
NORTHLAND COMM & TECH COLL-E GRAND FRKS	Minnesota	169	55	114	4	18	46	25	7	0	0
MINN ST COMM & TECH COLL-MOORHEAD	Minnesota	166	50	116	5	20	34	28	12	1	0
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	138	19	119	0	2	19	34	35	8	2
STATE-NO COLLEGE PLANS	Iowa	127	127	0	18	39	28	9	6	0	0
TURTLE MOUNTAIN COMMUNITY COLLEGE	North Dakota	116	54	62	15	41	34	9	3	0	0
ARIZONA STATE UNIVERSITY	Arizona	115	27	88	1	5	23	34	25	10	2
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	87	19	68	1	6	15	31	36	11	0
NORTHERN STATE UNIVERSITY	South Dakota	84	22	62	0	11	14	32	33	7	2
MEDCENTER ONE COLLEGE OF NURSING	North Dakota	83	9	74	4	13	30	37	16	0	0
HARVARD COLLEGE	Massachusetts	73	10	63	0	7	12	15	16	34	15
BEMIDJI STATE UNIVERSITY	Minnesota	70	15	55	1	6	17	50	20	6	0
ART INSTITUTES INTERNATIONAL MINNESOTA	Minnesota	69	15	54	3	10	33	32	14	7	0
All Other Institutions		4,074	874	3,200	2	10	21	29	23	12	3
Total		19,780	6,542	13,238	2	12	27	29	21	8	1

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: 7,102

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
All Students	5,206	942,769	19.0	21.3	5.9	7.0	17.8	20.5
Black/African American	79	114,751	14.1	16.3	4.9	6.1	13.4	16.0
American Indian/Alaska Native	232	6,031	14.1	16.8	5.0	6.1	13.4	16.4
White	4,272	518,407	19.6	22.9	5.9	7.2	18.3	21.9
Hispanic/Latino	151	151,504	16.3	18.6	5.5	6.8	15.4	18.3
Asian	65	54,580	21.2	23.5	6.6	7.6	20.1	22.7
Native Hawaiian/Other Pac. Isl.	10	2,812	15.9	19.5	6.0	6.9	15.7	19.2
Two or more races	169	35,355	18.1	21.5	5.7	7.0	17.0	20.6
Prefer not/No Response	228	59,329	17.8	21.8	5.7	7.1	16.7	20.9
Males	2,768	423,104	18.4	21.0	5.4	6.7	16.9	20.1
Females	2,430	513,945	19.8	21.6	6.4	7.2	18.9	20.9
Missing	8	5,720	16.5	16.6	4.9	6.3	15.1	16.5

