



Profile Report - State

Graduating Class 2015

North Dakota



Table of Contents

Section I: Executive Summary	Page 5
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	
Section II: Academic Achievement	Page 11
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	
Section III: College Readiness & Impact of Course Rigor	Page 17
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	
Section IV: Career and Educational Aspirations	Page 25
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	
Section V: Optional Writing Test Results	Page 29
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2015 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 2015. 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 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

How to Improve Scores and Increase College Readiness

24% 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: 7,162 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. 53% 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 13% of the cohort took less than three years of math courses. Of these students, 7% 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 23% of the cohort took less than three years of natural science courses. 18% of these students were college ready. In comparison, 48% 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.

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

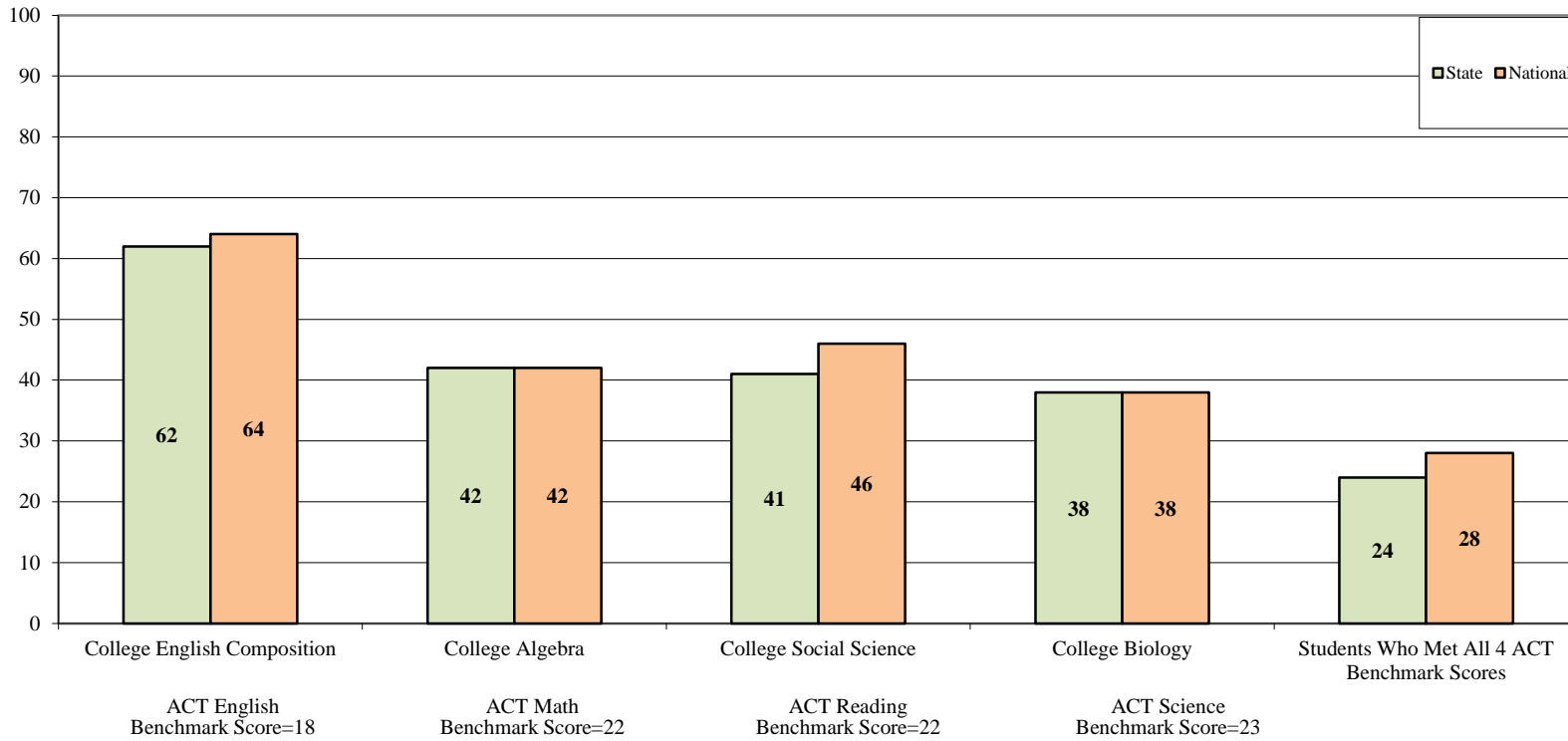
Executive Summary

Beginning 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: 7,162

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
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
2014	7,227	1,845,787	62	64	41	43	42	44	34	37	23	26
2015	7,162	1,924,436	62	64	42	42	41	46	38	38	24	28

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
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
2014	7,227	1,845,787	19.6	20.3	20.7	20.9	20.8	21.3	20.6	20.8	20.6	21.0
2015	7,162	1,924,436	19.6	20.4	20.6	20.8	20.7	21.4	20.8	20.9	20.6	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2014	1,845,787	20.3	20.9	21.3	20.8	21.0
2015	1,924,436	20.4	20.8	21.4	20.9	21.0

Total Students in Report: 7,162

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
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
2014	3,916	2,589	54	36	21.8	17.1	22.6	18.4	22.8	18.7	22.5	18.5	22.5	18.3
2015	3,817	2,348	53	33	21.7	17.1	22.5	18.3	22.5	18.5	22.5	18.7	22.4	18.3

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.

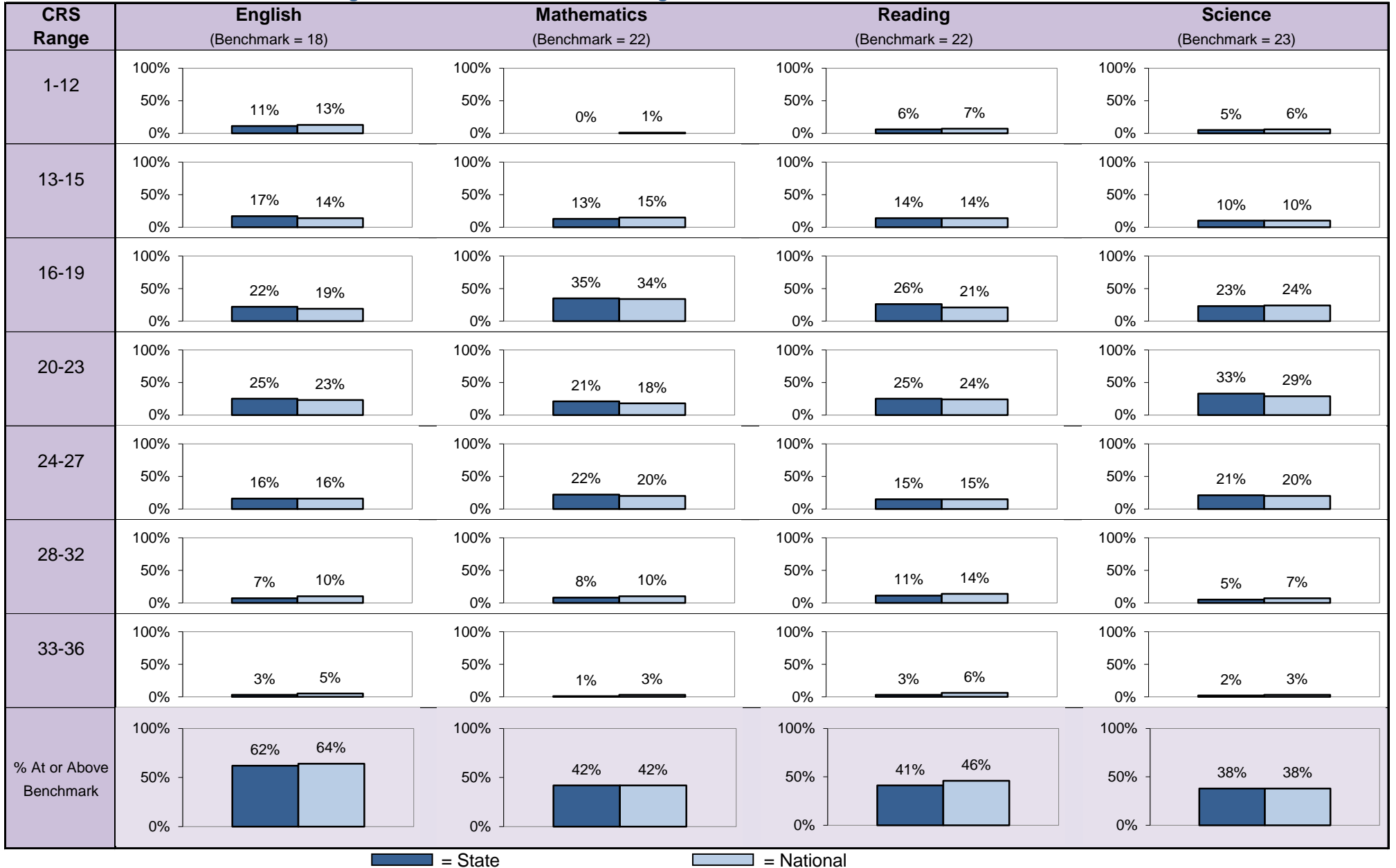
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	7,057	100	20.7	6,896	100	20.7	7,102	100	20.5	7,227	100	20.6	7,162	100	20.6
Black/African American	73	1	16.4	100	1	15.6	100	1	16.0	124	2	16.3	134	2	16.3
American Indian/Alaska Native	387	5	16.5	290	4	16.8	290	4	16.1	319	4	16.3	301	4	16.4
White	5,855	83	21.2	5,712	83	21.2	5,908	83	20.9	5,882	81	21.1	5,359	75	21.3
Hispanic/Latino	130	2	18.1	171	2	18.1	198	3	18.0	229	3	18.0	240	3	17.8
Asian	78	1	20.8	80	1	19.3	84	1	21.6	103	1	20.5	86	1	19.6
Native Hawaiian/Other Pacific Islander	2	0	13.5	8	0	20.0	12	0	18.6	10	0	16.4	13	0	18.1
Two or more races	151	2	20.1	225	3	20.3	226	3	19.8	282	4	19.9	225	3	19.4
Prefer not to respond/No response	381	5	18.8	310	4	19.5	284	4	19.3	278	4	19.7	804	11	19.5

Total Students in Report: 7,162

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



Total Students in Report: 7,162

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	6,732	94	20.0	20.9	21.0	21.1	20.9
	Extended Time	430	6	13.2	16.4	16.3	16.6	15.8
	Total	7,162	100	19.6	20.6	20.7	20.8	20.6
National	Standard Time	1,838,433	96	20.6	21.0	21.5	21.1	21.2
	Extended Time	86,003	4	16.5	18.1	18.8	18.3	18.1
	Total	1,924,436	100	20.4	20.8	21.4	20.9	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	44	42	40	25
	Extended Time	16	8	13	8	4
	Total	62	42	41	38	24
National	Standard Time	65	43	47	39	28
	Extended Time	38	22	32	23	16
	Total	64	42	46	38	28

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: 7,162

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	1	100	5	100	13	100	17	100	0	100	36
35	52	100	11	100	27	100	31	100	9	100	35
34	64	99	40	100	70	99	46	99	19	100	34
33	77	98	28	99	109	98	54	99	35	100	33
32	69	97	43	99	97	97	68	98	63	99	32
31	87	96	66	98	133	96	61	97	73	98	31
30	105	95	112	97	182	94	34	96	125	97	30
29	100	94	108	96	177	91	97	96	140	95	29
28	113	92	239	94	204	89	133	94	160	94	28
27	162	91	255	91	302	86	140	92	207	91	27
26	231	88	412	87	233	82	404	90	304	88	26
25	358	85	339	82	233	78	355	85	434	84	25
24	365	80	537	77	289	75	590	80	430	78	24
23	447	75	411	69	451	71	707	72	421	72	23
22	420	69	422	64	386	65	464	62	485	66	22
21	446	63	270	58	552	59	480	55	532	59	21
20	505	57	401	54	384	52	728	49	545	52	20
19	462	50	436	48	567	46	692	38	575	44	19
18	363	43	479	42	400	38	381	29	520	36	18
17	365	38	775	36	588	33	302	23	496	29	17
16	365	33	792	25	320	25	304	19	443	22	16
15	535	28	612	14	453	20	253	15	383	16	15
14	377	21	260	5	257	14	237	11	336	11	14
13	280	15	79	2	314	10	201	8	247	6	13
12	204	11	18	1	222	6	206	5	125	3	12
11	178	9	10	1	96	3	97	2	44	1	11
10	226	6	1	1	54	1	47	1	8	1	10
9	91	3	0	1	28	1	19	1	3	1	9
8	71	2	1	1	14	1	9	1	0	1	8
7	29	1	0	1	1	1	4	1	0	1	7
6	7	1	0	1	1	1	1	1	0	1	6
5	5	1	0	1	4	1	0	1	0	1	5
4	1	1	0	1	1	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)		20.6 (4.8)		20.7 (5.7)		20.8 (4.9)		20.6 (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: 7,162

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	156	100	36	100	66	100	149	100	155	100	34	100	38	100	18
17	226	98	92	99	251	99	245	98	195	98	21	100	4	99	17
16	187	95	193	98	416	96	347	94	338	95	102	99	153	99	16
15	336	92	369	96	427	90	236	90	380	90	330	98	412	97	15
14	245	87	478	90	422	84	464	86	475	85	548	93	451	92	14
13	382	84	518	84	763	78	448	80	597	78	779	86	779	85	13
12	479	79	649	76	612	67	796	74	656	70	629	75	673	74	12
11	692	72	856	67	615	59	562	63	817	61	778	66	1,054	65	11
10	879	62	858	55	1,185	50	577	55	622	50	1,344	55	855	50	10
9	689	50	751	43	627	34	915	47	476	41	816	36	1,139	38	9
8	714	40	899	33	684	25	492	34	790	34	657	25	552	22	8
7	631	30	359	20	455	15	492	27	924	23	510	16	416	15	7
6	561	22	484	15	405	9	754	20	438	10	293	9	305	9	6
5	537	14	308	9	149	3	336	10	218	4	215	4	193	5	5
4	243	6	210	4	35	1	249	5	51	1	8	1	38	2	4
3	136	3	88	1	28	1	81	1	26	1	81	1	68	1	3
2	58	1	12	1	9	1	17	1	3	1	5	1	9	1	2
1	11	1	2	1	13	1	2	1	1	1	12	1	23	1	1
Avg (SD)	9.7 (3.7)		10.1 (3.2)		10.9 (3.2)		10.2 (3.7)		10.6 (3.4)		10.4 (2.8)		10.4 (2.9)		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)	23	24	24	24	24
Q2 (50th Percentile)	20	20	20	21	20
Q1 (25th Percentile)	15	17	17	18	17

Total Students in Report: 7,162

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	7,162	53	22.4	18.3
	Black/African American	134	42	17.6	14.9
	American Indian/Alaska Native	301	42	17.3	15.5
	White	5,359	58	23.0	18.9
	Hispanic/Latino	240	42	19.7	16.3
	Asian	86	53	22.5	16.5
	Native Hawaiian/Other Pac. Isl.	13	15	18.0	14.8
	Two or more races	225	47	20.8	18.1
	Prefer not/No Response	804	36	21.6	17.1
National	All Students	1,924,436	72	21.9	18.9
	Black/African American	252,566	67	17.8	15.9
	American Indian/Alaska Native	14,711	61	19.0	16.5
	White	1,057,803	76	23.2	20.2
	Hispanic/Latino	299,920	71	19.6	17.4
	Asian	87,499	79	24.5	22.0
	Native Hawaiian/Other Pac. Isl.	6,090	62	20.3	16.5
	Two or more races	76,066	73	22.0	19.3
	Prefer not/No Response	129,781	54	22.6	18.5

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	19.6	20.6	20.7	20.8	20.6
	Black/African American	14.8	16.7	16.4	16.5	16.3
	American Indian/Alaska Native	14.6	16.9	16.9	16.6	16.4
	White	20.4	21.2	21.4	21.5	21.3
	Hispanic/Latino	16.5	18.1	18.0	18.2	17.8
	Asian	17.2	21.2	19.7	19.4	19.6
	Native Hawaiian/Other Pac. Isl.	17.2	18.2	18.9	17.5	18.1
	Two or more races	18.1	19.3	19.8	19.9	19.4
	Prefer not/No Response	18.3	19.7	19.7	19.9	19.5
National	All Students	20.4	20.8	21.4	20.9	21.0
	Black/African American	15.9	17.2	17.4	17.3	17.1
	American Indian/Alaska Native	16.6	18.1	18.4	18.2	17.9
	White	22.1	21.9	22.9	22.2	22.4
	Hispanic/Latino	17.8	19.1	19.2	19.0	18.9
	Asian	23.0	25.0	23.3	23.6	23.9
	Native Hawaiian/Other Pac. Isl.	17.7	19.2	18.9	18.8	18.8
	Two or more races	20.7	20.8	21.8	21.1	21.2
	Prefer not/No Response	19.9	20.5	21.1	20.5	20.6

Total Students in Report: 7,162

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	194	3	84	1	219	3	148	2
	28 to 32	474	7	568	8	793	11	393	5
	24 to 27	1,116	16	1,543	22	1,057	15	1,489	21
	20 to 23	1,818	25	1,504	21	1,773	25	2,379	33
	16 to 19	1,555	22	2,482	35	1,875	26	1,679	23
	13 to 15	1,192	17	951	13	1,024	14	691	10
	01 to 12	813	11	30	0	421	6	383	5
National	33 to 36	100,774	5	54,201	3	114,663	6	62,731	3
	28 to 32	198,676	10	185,515	10	261,565	14	140,666	7
	24 to 27	303,299	16	384,130	20	281,364	15	388,063	20
	20 to 23	444,997	23	352,854	18	463,232	24	559,967	29
	16 to 19	357,690	19	646,399	34	409,189	21	462,353	24
	13 to 15	277,710	14	283,831	15	264,288	14	200,383	10
	01 to 12	241,290	13	17,506	1	130,135	7	110,273	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	3,594	50	18.9	20.9	20.1	21.0	20.3
	Females	3,540	49	20.4	20.4	21.4	20.7	20.8
	Missing	28	0	14.7	16.6	15.8	16.9	16.2
National	Males	895,775	47	20.0	21.3	21.2	21.3	21.1
	Females	1,013,212	53	20.8	20.4	21.6	20.6	21.0
	Missing	15,449	1	15.7	17.7	17.6	17.5	17.3

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	57	44	36	40	23
	Females	67	41	45	37	25
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

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	3,817	77	21.7	59	22.5	54	22.5	52	22.5	35	22.4
	Less than Core	2,348	44	17.1	22	18.3	24	18.5	21	18.7	9	18.3
	Missing ³	997	46	17.4	27	18.9	30	19.1	26	19.1	15	18.8
National	Core or More	1,389,338	71	21.4	49	21.7	52	22.3	44	21.8	33	21.9
	Less than Core	424,562	48	18.0	27	18.9	32	19.3	24	19.0	16	18.9
	Missing	110,536	38	16.3	19	17.8	25	18.0	19	17.8	11	17.6

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	5,711	65	20.1	5,289	51	21.6	5,670	44	21.2	4,587	48	22.0
	Less than Core	573	45	17.0	908	7	16.4	595	18	17.6	1,655	18	18.4
	Missing ³	878	50	18.0	965	28	19.0	897	32	19.6	920	28	19.4
National	Core or More	1,732,463	67	20.8	1,743,121	45	21.2	1,627,689	49	21.8	1,592,830	42	21.5
	Less than Core	93,944	36	15.9	78,951	8	16.3	194,720	34	19.5	227,926	18	18.1
	Missing	98,029	40	16.5	102,364	20	17.8	102,027	26	18.1	103,680	20	18.0

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

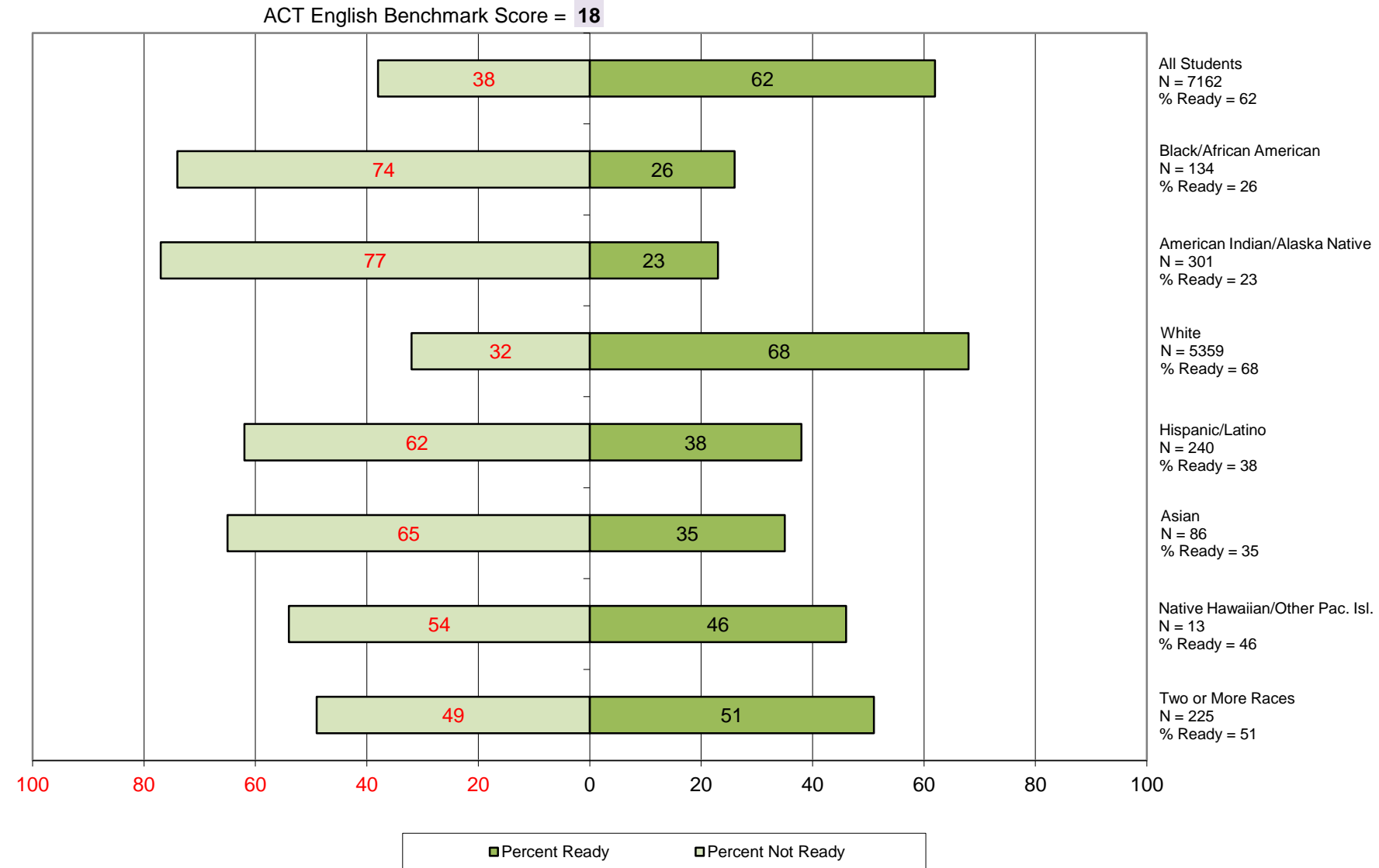


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

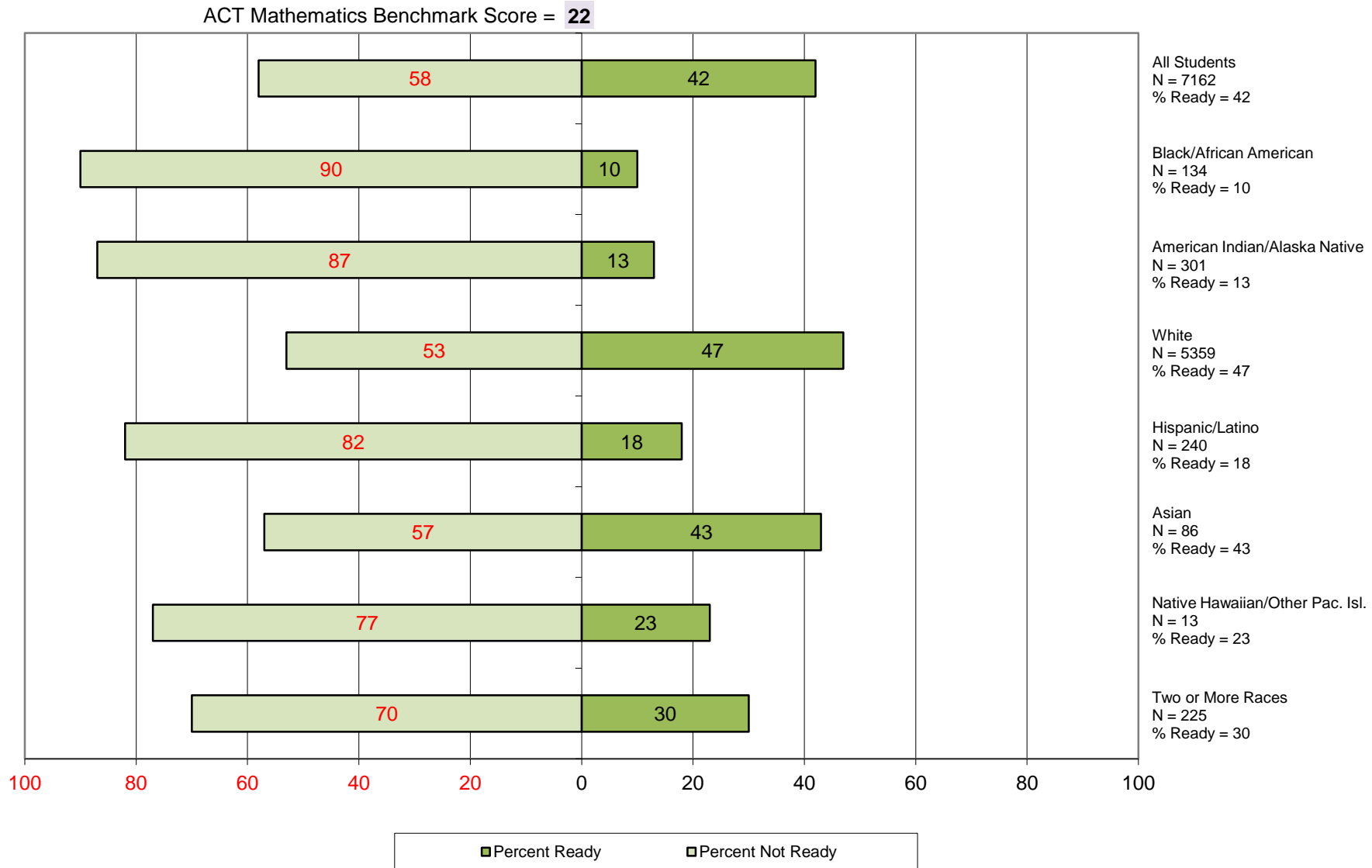


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

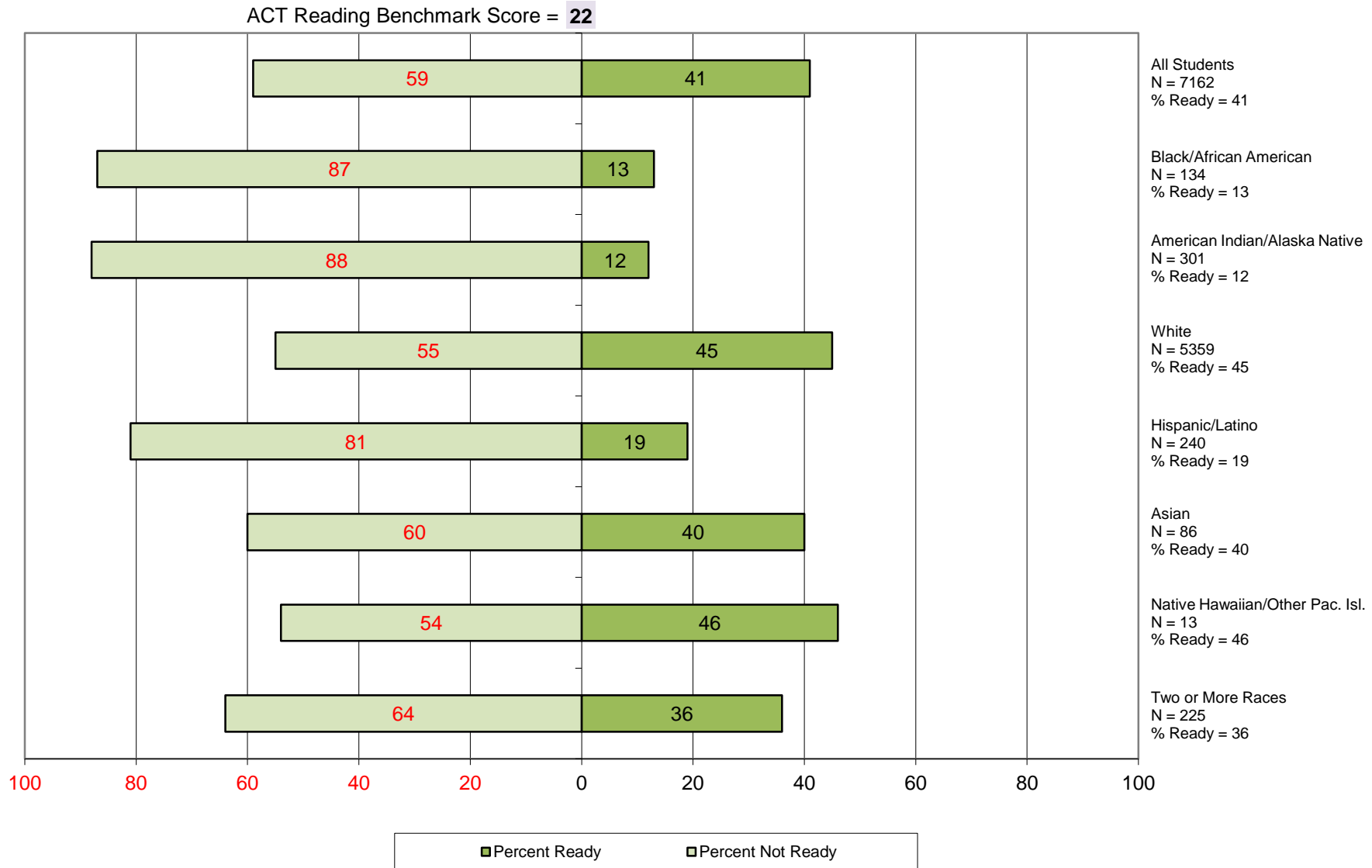


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

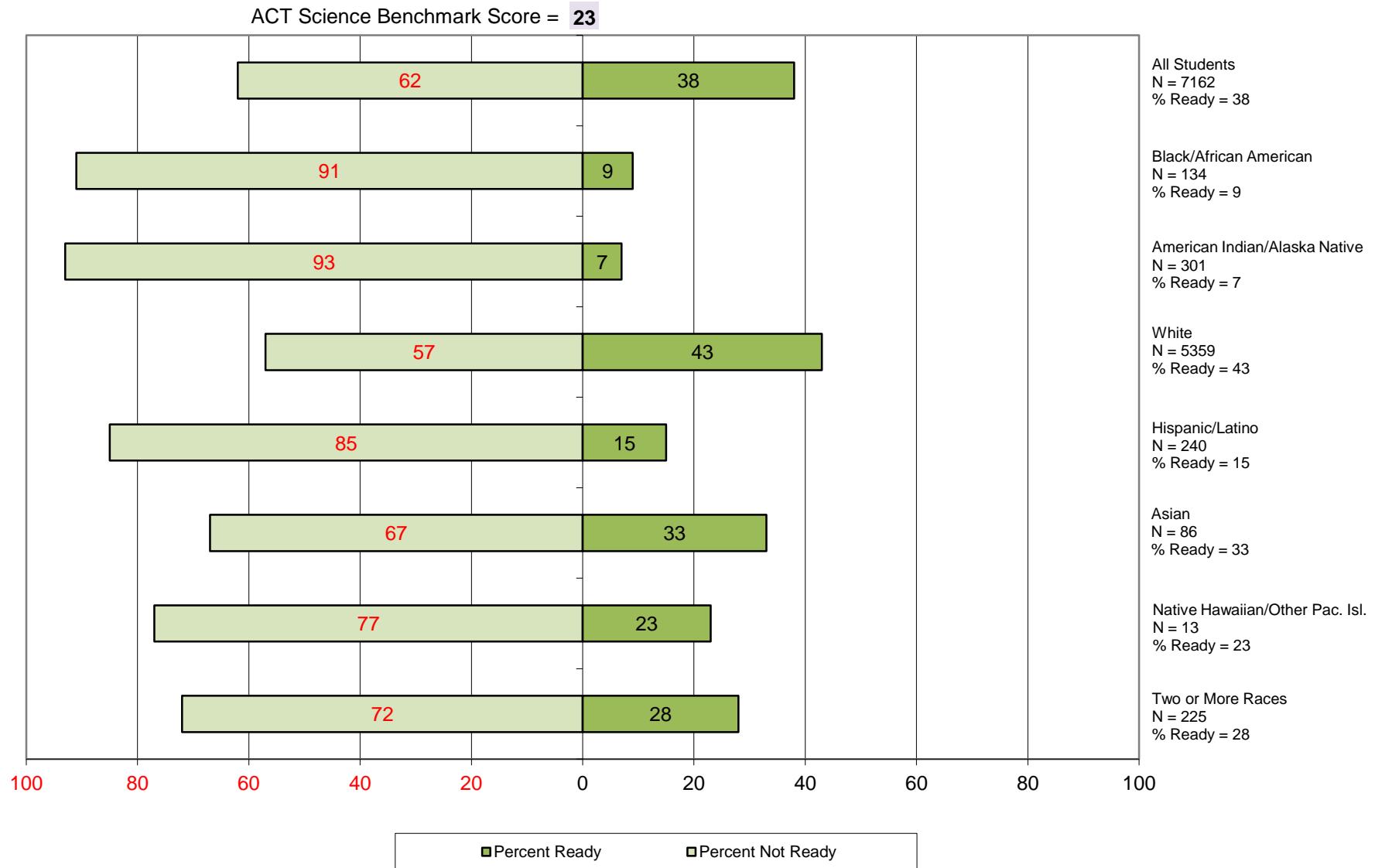
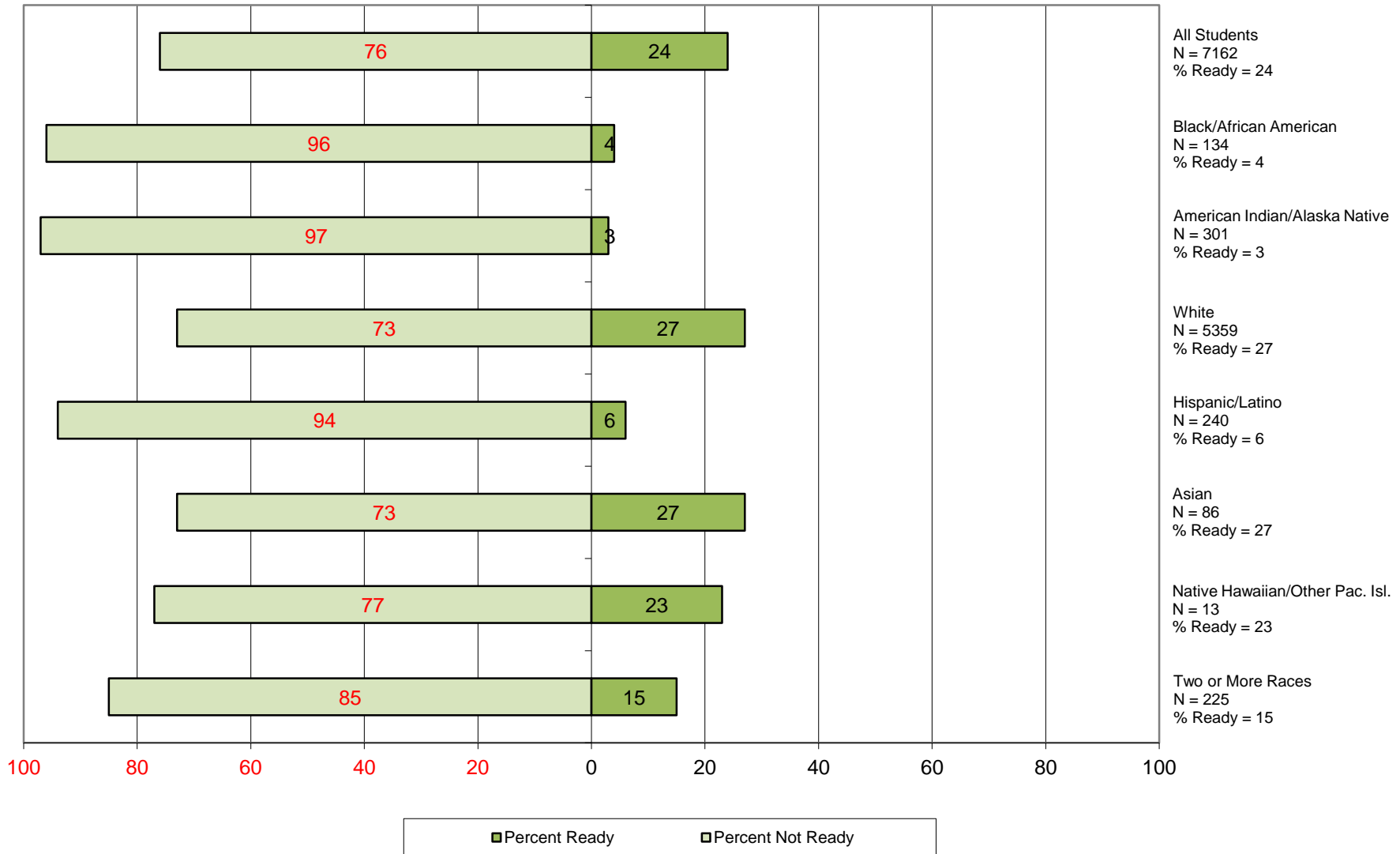


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 7,162

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	1,506	21	21.5	4.5	619	17	20.7	4.4	886	25	22.1	4.3
Eng 9, Eng 10, Eng 11, Eng 12	4,205	59	19.6	2.6	2,179	61	19.1	2.8	2,010	57	20.2	2.4
Less than 4 years of English	573	8	17.0	-	308	9	16.3	-	265	7	17.8	-
Zero years / no English courses reported	878	12	18.0	-	488	14	17.5	-	379	11	18.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	141	2	25.0	8.6	72	2	26.1	9.4	69	2	23.8	7.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	501	7	23.6	7.2	204	6	24.3	7.6	297	8	23.1	7.0
Alg 1, Alg 2, Geom, & Trig	277	4	21.5	5.1	126	4	22.4	5.7	150	4	20.9	4.8
Alg 1, Alg 2, Geom, & Other Adv Math	1,482	21	21.8	5.4	601	17	22.3	5.6	879	25	21.5	5.4
Other comb of 4 or more years of Math	1,045	15	25.0	8.6	552	15	25.6	8.9	493	14	24.2	8.1
Alg 1, Alg 2, & Geom	1,612	23	18.6	2.2	847	24	18.8	2.1	761	21	18.4	2.3
Other comb of 3 or 3.5 years of Math	231	3	20.6	4.2	123	3	21.1	4.4	106	3	20.2	4.1
Less than 3 years of Math	908	13	16.4	-	527	15	16.7	-	375	11	16.1	-
Zero years / no Math courses reported	965	13	19.0	-	542	15	19.3	-	410	12	18.7	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	172	2	20.2	2.6	94	3	19.7	2.5	78	2	20.8	2.7
Other comb of 4 or more years Social Science	3,162	44	21.7	4.1	1,445	40	21.2	4.0	1,704	48	22.2	4.1
US Hist, World Hist, & Am Gov	489	7	19.5	1.9	288	8	19.1	1.9	201	6	20.2	2.1
Other comb of 3 or 3.5 years of Social Science	1,847	26	20.9	3.3	928	26	20.4	3.2	917	26	21.3	3.2
Less than 3 years of Social Science	595	8	17.6	-	336	9	17.2	-	256	7	18.1	-
Zero years / no Social Science courses reported	897	13	19.6	-	503	14	18.9	-	384	11	20.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,552	22	23.2	4.8	855	24	23.8	5.3	692	20	22.4	4.0
Bio, Chem, Phys	83	1	25.6	7.2	41	1	27.0	8.5	42	1	24.3	5.9
Gen Sci ² , Bio, Chem	2,643	37	21.3	2.9	1,106	31	21.3	2.8	1,534	43	21.2	2.8
Other comb of 3 years of Natural Science	309	4	20.8	2.4	183	5	20.9	2.4	125	4	20.5	2.1
Less than 3 years of Natural Science	1,655	23	18.4	-	894	25	18.5	-	752	21	18.4	-
Zero years / no Natural Science courses reported	920	13	19.4	-	515	14	19.6	-	395	11	19.4	-

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: 7,162

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	1,506	21	21.5	74	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	4,205	59	19.6	62	1,359,318	71	20.6	65
Less than 4 years of English	573	8	17.0	45	93,944	5	15.9	36
Zero years / no English courses reported	878	12	18.0	50	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	141	2	25.0	74	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	501	7	23.6	74	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	277	4	21.5	51	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	1,482	21	21.8	56	362,476	19	19.4	30
Other comb of 4 or more years of Math	1,045	15	25.0	78	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	1,612	23	18.6	21	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	231	3	20.6	42	95,502	5	19.8	34
Less than 3 years of Math	908	13	16.4	7	78,951	4	16.3	8
Zero years / no Math courses reported	965	13	19.0	28	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	172	2	20.2	36	48,944	3	22.3	51
Other comb of 4 or more years Social Science	3,162	44	21.7	48	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	489	7	19.5	31	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	1,847	26	20.9	42	527,956	27	21.4	46
Less than 3 years of Social Science	595	8	17.6	18	194,720	10	19.5	34
Zero years / no Social Science courses reported	897	13	19.6	32	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,552	22	23.2	59	807,744	42	22.2	48
Bio, Chem, Phys	83	1	25.6	77	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	2,643	37	21.3	42	512,754	27	20.1	30
Other comb of 3 years of Natural Science	309	4	20.8	38	54,439	3	19.1	24
Less than 3 years of Natural Science	1,655	23	18.4	18	227,926	12	18.1	18
Zero years / no Natural Science courses reported	920	13	19.4	28	103,680	5	18.0	20

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: 7,162

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	340	5	19.9	111	10	18.5	216	5	20.8
Architecture	72	1	20.8	10	1	18.4	57	1	21.4
Area, Ethnic, & Multidisciplinary Studies	8	0	20.4	1	0	18.0	6	0	21.2
Arts: Visual & Performing	373	5	20.4	67	6	16.6	286	6	21.4
Business	432	6	21.1	63	6	17.3	361	8	21.8
Communications	75	1	21.5	11	1	17.8	64	1	22.2
Community, Family, & Personal Services	264	4	18.7	87	8	17.0	169	4	19.7
Computer Science & Mathematics	192	3	22.4	21	2	16.9	164	3	23.1
Education	405	6	21.0	22	2	17.4	375	8	21.2
Engineering	429	6	22.9	53	5	17.4	364	8	23.8
Engineering Technology & Drafting	132	2	19.0	57	5	17.2	68	1	20.9
English & Foreign Languages	54	1	22.9	7	1	20.0	46	1	23.3
Health Administration & Assisting	118	2	19.0	27	2	16.6	90	2	19.8
Health Sciences & Technologies	1,321	18	21.6	94	8	17.4	1,204	25	21.9
Philosophy, Religion, & Theology	25	0	22.4	1	0	15.0	21	0	22.3
Repair, Production, & Construction	389	5	18.0	265	23	17.6	106	2	19.3
Sciences: Biological & Physical	220	3	24.1	10	1	19.4	204	4	24.5
Social Sciences & Law	323	5	21.2	19	2	17.9	298	6	21.5
Undecided	835	12	20.6	143	13	17.2	599	13	21.8
No Response	1,144	16	18.7	62	5	15.5	71	1	18.0

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: 7,162

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	237	17.3	4	14.5	12	13.8	184	17.8	9	16.2
2-yr College Degree	899	17.3	20	14.7	44	15.3	663	17.7	30	16.5
Bachelors Degree	3,063	21.0	56	16.3	103	16.6	2,458	21.6	92	17.8
Graduate Study	633	22.9	10	17.0	26	17.1	514	23.7	13	19.8
Prof. Level Degree	1,077	23.3	20	17.9	68	17.0	819	24.1	41	20.0
Other	161	17.7	2	17.0	10	14.2	112	18.1	6	17.5
No Response	1,092	19.1	22	16.1	38	16.6	609	19.6	49	16.6

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	237	17.3	1	16.0	1	11.0	6	16.8	20	16.8
2-yr College Degree	899	17.3	11	14.5	1	14.0	27	16.3	103	17.0
Bachelors Degree	3,063	21.0	31	18.5	5	17.2	98	19.4	220	20.3
Graduate Study	633	22.9	4	25.0	0	.	15	21.1	51	20.5
Prof. Level Degree	1,077	23.3	24	24.8	1	14.0	35	23.2	69	22.4
Other	161	17.7	3	13.0	0	.	8	14.5	20	19.0
No Response	1,092	19.1	12	16.7	5	22.0	36	18.8	321	19.2

Total Students in Report: 7,162

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	3,109	1,251	1,858	1	7	24	32	24	10	1
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,751	970	1,781	1	7	25	31	25	11	1
BISMARCK STATE COLLEGE	North Dakota	1,530	712	818	2	16	35	29	14	4	0
NORTH DAKOTA STATE COLLEGE OF SCIENCE	North Dakota	1,061	433	628	2	18	39	27	11	3	0
MINOT STATE UNIVERSITY	North Dakota	703	229	474	1	15	34	26	19	5	0
UNIVERSITY OF MARY	North Dakota	663	163	500	1	8	25	33	25	7	0
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	570	120	450	0	2	11	26	34	24	2
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	533	107	426	2	11	30	29	23	6	0
VALLEY CITY STATE UNIVERSITY	North Dakota	489	131	358	2	11	33	34	16	4	0
UNIVERSITY OF JAMESTOWN	North Dakota	351	72	279	2	10	28	32	20	7	1
LAKE REGION STATE COLLEGE	North Dakota	293	98	195	3	25	35	25	10	2	0
DICKINSON STATE UNIVERSITY	North Dakota	283	87	196	2	17	32	31	16	2	0
STATE-NO COLLEGE PLANS	Iowa	279	279	0	9	39	32	16	4	1	0
MAYVILLE STATE UNIVERSITY	North Dakota	278	53	225	2	12	39	29	17	2	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	277	73	204	0	4	13	29	33	19	2
NCAA ELIGIBILITY CENTER	Indiana	228	71	157	0	5	26	35	26	9	0
WILLISTON STATE COLLEGE	North Dakota	200	72	128	2	21	44	22	10	3	0
NORTHLAND COMM & TECH COLLEGE	Minnesota	197	70	127	3	19	46	25	8	0	0
ARIZONA STATE UNIVERSITY	Arizona	183	59	124	1	9	25	32	27	5	1
DAKOTA COLLEGE AT BOTTINEAU	North Dakota	182	49	133	1	29	44	20	5	1	0
RASMUSSEN COLLEGE-FARGO	North Dakota	164	32	132	4	29	33	24	9	1	0
MINN ST COMM & TECH COLL-MOORHEAD	Minnesota	151	52	99	14	26	35	17	7	1	1
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	142	18	124	0	4	18	32	34	11	1
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	117	19	98	0	4	22	28	29	15	2
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	103	19	84	1	5	24	32	31	6	1
RASMUSSEN COLLEGE-BISMARCK	North Dakota	96	20	76	4	30	41	22	3	0	0
TURTLE MOUNTAIN COMMUNITY COLLEGE	North Dakota	96	35	61	13	41	40	6	1	0	0
HARVARD COLLEGE	Massachusetts	86	7	79	0	5	10	22	22	31	9
UNIV OF MINNESOTA-CROOKSTON	Minnesota	85	26	59	2	14	32	27	20	5	0
NORTHERN STATE UNIVERSITY	South Dakota	78	19	59	1	14	32	31	18	3	1
All Other Institutions		5,237	1,134	4,103	2	13	24	28	21	11	2
Total		20,515	6,480	14,035	2	12	28	29	20	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: 7,162

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	5,326	1,108,908	19.0	21.0	5.8	6.9	17.7	20.2
Black/African American	100	136,380	13.9	16.3	4.9	6.0	13.2	15.9
American Indian/Alaska Native	239	7,142	14.4	16.5	4.9	5.9	13.5	16.0
White	3,793	567,060	19.8	22.8	5.9	7.1	18.4	21.8
Hispanic/Latino	203	196,970	16.3	18.4	5.5	6.7	15.4	18.1
Asian	60	68,736	16.8	23.9	5.6	7.6	15.9	23.0
Native Hawaiian/Other Pac. Isl.	11	4,070	17.5	18.0	5.4	6.5	16.3	17.6
Two or more races	171	45,517	17.4	21.3	5.3	6.9	16.1	20.4
Prefer not/No Response	749	83,033	18.3	20.8	5.8	6.7	17.2	19.9
Males	2,796	507,737	18.3	20.7	5.4	6.6	16.8	19.7
Females	2,503	590,537	19.8	21.4	6.3	7.1	18.8	20.8
Missing	27	10,634	14.8	16.0	4.6	5.6	13.5	15.4

