

ACT Profile Report - State

Graduating Class 2013
Minnesota



ACT, INC. -- CONFIDENTIAL



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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

39% 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: 44,676 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. 87% 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 2% of the cohort took less than three years of math courses. Of these students, 18% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 23% of these students were college ready. In comparison, 68% 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 7% of the cohort took less than three years of natural science courses. 25% of these students were college ready. In comparison, 54% 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 28% 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.

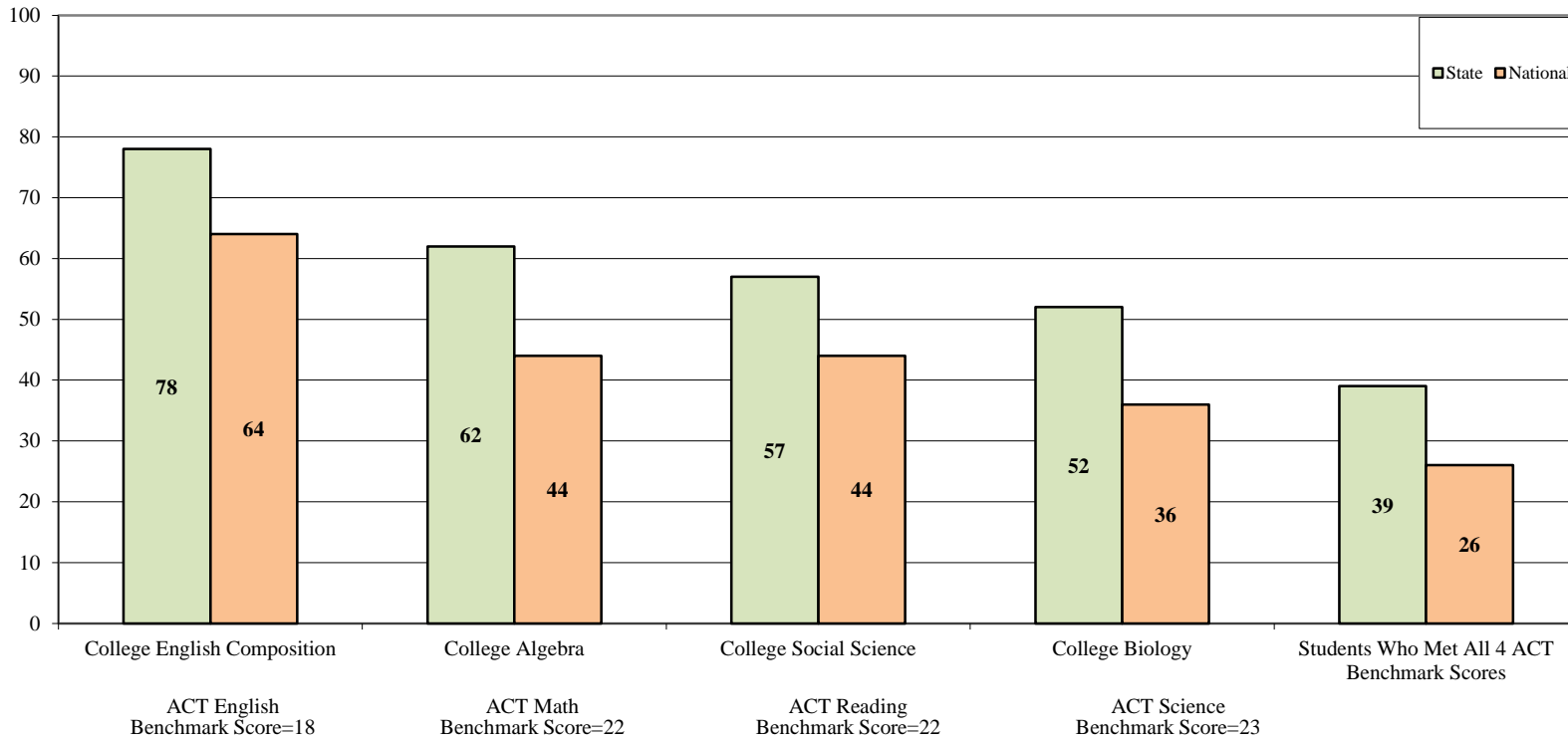
Section I

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.

Total Students in Report: 44,676

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	43,642	1,480,469	78	67	57	42	65	53	39	28	32	23
2010	44,323	1,568,835	79	66	61	43	65	52	42	29	35	24
2011	44,952	1,623,112	78	66	62	45	64	52	43	30	36	25
2012	44,977	1,666,017	78	67	62	46	64	52	42	31	36	25
2013	44,676	1,799,243	78	64	62	44	57	44	52	36	39	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	43,642	1,480,469	22.0	20.6	22.7	21.0	23.1	21.4	22.6	20.9	22.7	21.1
2010	44,323	1,568,835	22.3	20.5	22.9	21.0	23.2	21.3	22.8	20.9	22.9	21.0
2011	44,952	1,623,112	22.3	20.6	23.0	21.1	22.9	21.3	22.8	20.9	22.9	21.1
2012	44,977	1,666,017	22.1	20.5	23.0	21.1	22.9	21.3	22.7	20.9	22.8	21.1
2013	44,676	1,799,243	22.2	20.2	23.1	20.9	23.1	21.1	22.9	20.7	23.0	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: 44,676

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	36,057	7,072	83	16	22.6	19.7	23.2	20.3	23.5	21.1	23.0	20.7	23.2	20.6
2010	37,587	6,344	85	14	22.7	19.8	23.4	20.5	23.5	21.1	23.1	20.8	23.3	20.7
2011	38,468	6,115	86	14	22.7	19.9	23.5	20.7	23.3	21.1	23.2	20.9	23.3	20.8
2012	38,933	5,813	87	13	22.5	19.7	23.4	20.7	23.2	21.0	23.1	20.8	23.2	20.7
2013	38,746	5,367	87	12	22.6	19.6	23.4	20.7	23.5	21.0	23.2	20.8	23.3	20.6

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	43,642	100	22.7	44,323	100	22.9	44,952	100	22.9	44,977	100	22.8	44,676	100	23.0
Black/African American	1,786	4	17.8	1,995	5	17.7	2,095	5	17.9	2,047	5	17.9	2,140	5	18.0
American Indian/Alaska Native	275	1	20.2	307	1	20.5	232	1	20.2	211	0	20.3	210	0	19.7
White	35,563	81	23.2	36,213	82	23.5	36,070	80	23.5	35,159	78	23.4	34,279	77	23.6
Hispanic/Latino	871	2	20.4	976	2	20.0	1,389	3	20.1	1,757	4	20.4	1,913	4	20.2
Asian	2,265	5	20.4	2,375	5	20.8	2,641	6	20.6	2,628	6	20.7	2,535	6	20.7
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	20	0	21.2	45	0	19.5	35	0	20.4
Two or more races	784	2	21.9	943	2	22.2	1,033	2	21.9	1,459	3	22.2	1,557	3	22.3
Prefer not to respond/No response	2,098	5	23.2	1,514	3	22.6	1,472	3	23.2	1,671	4	23.7	2,007	4	23.5

Total Students in Report: 44,676

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



Total Students in Report: 44,676

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	43,655	98	22.2	23.1	23.1	22.9	23.0
	Extended Time	1,021	2	20.4	21.1	23.0	22.1	21.8
	Total	44,676	100	22.2	23.1	23.1	22.9	23.0
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	78	63	57	52	39
	Extended Time	67	43	57	44	32
	Total	78	62	57	52	39
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: 44,676

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	275	100	218	100	635	100	326	100	55	100	36
35	617	99	331	100	208	99	410	99	224	100	35
34	933	98	670	99	1,037	98	370	98	402	99	34
33	949	96	543	97	1,264	96	337	98	604	98	33
32	780	94	767	96	1,311	93	692	97	821	97	32
31	1,041	92	684	94	2,002	90	829	95	1,056	95	31
30	1,118	90	1,072	93	1,611	86	1,099	93	1,446	93	30
29	1,215	87	1,386	90	1,619	82	1,293	91	1,591	90	29
28	1,589	84	2,201	87	1,678	78	1,520	88	1,952	86	28
27	1,552	81	2,984	82	1,739	75	1,808	85	2,432	82	27
26	2,110	77	3,447	76	1,823	71	2,502	81	2,738	76	26
25	2,428	73	3,690	68	1,919	67	4,275	75	3,055	70	25
24	3,028	67	3,812	60	3,093	62	4,446	65	3,392	63	24
23	3,210	61	3,377	51	2,412	55	3,235	55	3,535	56	23
22	2,875	53	2,693	44	3,245	50	4,102	48	3,552	48	22
21	3,573	47	2,493	38	3,232	43	4,476	39	3,590	40	21
20	3,398	39	1,640	32	3,133	35	3,120	29	3,157	32	20
19	2,326	31	2,492	28	2,479	28	2,854	22	2,712	25	19
18	1,766	26	2,351	23	2,518	23	2,009	16	2,401	19	18
17	1,584	22	3,045	18	1,655	17	1,289	11	1,872	13	17
16	1,973	19	2,721	11	1,720	14	1,110	8	1,461	9	16
15	1,928	14	1,390	5	1,502	10	795	6	1,065	6	15
14	1,216	10	455	1	973	6	570	4	747	3	14
13	928	7	140	1	870	4	415	3	451	2	13
12	633	5	43	1	514	2	305	2	253	1	12
11	605	4	18	1	273	1	263	1	69	1	11
10	493	2	7	1	120	1	127	1	28	1	10
9	251	1	3	1	39	1	63	1	11	1	9
8	171	1	2	1	19	1	22	1	3	1	8
7	76	1	0	1	14	1	7	1	1	1	7
6	19	1	1	1	12	1	4	1	0	1	6
5	11	1	0	1	3	1	1	1	0	1	5
4	4	1	0	1	3	1	0	1	0	1	4
3	1	1	0	1	0	1	2	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.2 (6.0)		23.1 (5.0)		23.1 (5.9)		22.9 (4.8)		23.0 (4.9)		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: 44,676

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	1,959	100	1,230	100	1,910	100	1,923	100	2,750	100	416	100	648	100	18
17	2,561	96	422	97	2,904	96	2,463	96	2,598	94	771	99	147	99	17
16	2,196	90	3,378	96	3,202	89	3,338	90	2,831	88	1,318	97	2,599	98	16
15	2,539	85	3,434	89	3,706	82	3,554	83	3,978	82	3,644	94	3,927	92	15
14	2,757	79	4,189	81	3,377	74	3,706	75	3,830	73	5,195	86	5,007	84	14
13	3,047	73	4,596	72	4,236	66	3,775	66	4,870	64	6,370	75	5,762	72	13
12	3,534	66	6,089	61	5,387	57	3,973	58	4,992	53	6,164	60	7,666	60	12
11	5,580	58	4,597	48	4,729	45	4,793	49	4,952	42	5,440	47	4,595	42	11
10	5,212	46	4,477	37	3,950	34	4,204	38	3,479	31	6,007	34	4,389	32	10
9	4,199	34	4,583	27	3,744	25	3,327	29	3,041	23	3,824	21	4,844	22	9
8	3,425	25	3,137	17	3,124	17	3,520	22	3,214	16	2,939	12	2,427	11	8
7	2,688	17	1,780	10	2,394	10	2,590	14	2,652	9	1,104	6	1,217	6	7
6	1,902	11	1,165	6	1,187	5	1,575	8	915	3	796	3	801	3	6
5	1,614	7	873	4	465	2	1,274	4	377	1	354	2	202	1	5
4	820	3	491	2	220	1	482	1	146	1	141	1	285	1	4
3	435	1	193	1	61	1	119	1	39	1	116	1	60	1	3
2	187	1	35	1	59	1	58	1	10	1	32	1	64	1	2
1	21	1	7	1	21	1	2	1	2	1	45	1	36	1	1
Avg (SD)	11.1 (3.7)		11.5 (3.2)		12.0 (3.3)		11.7 (3.6)		12.2 (3.3)		11.6 (2.7)		11.7 (2.7)		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)	26	26	28	26	26
Q2 (50th Percentile)	22	23	23	23	23
Q1 (25th Percentile)	18	19	19	20	20

Total Students in Report: 44,676

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	44,676	87	23.3	20.6
	Black/African American	2,140	84	18.3	16.2
	American Indian/Alaska Native	210	79	20.2	17.9
	White	34,279	88	23.9	21.3
	Hispanic/Latino	1,913	84	20.6	18.2
	Asian	2,535	88	21.0	18.9
	Native Hawaiian/Other Pac. Isl.	35	89	20.5	19.3
	Two or more races	1,557	88	22.5	20.5
	Prefer not/No Response	2,007	73	24.1	21.6
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	22.2	23.1	23.1	22.9	23.0
	Black/African American	16.6	18.3	18.2	18.2	18.0
	American Indian/Alaska Native	18.2	19.8	20.2	20.3	19.7
	White	23.0	23.7	23.8	23.5	23.6
	Hispanic/Latino	18.9	20.4	20.6	20.4	20.2
	Asian	19.0	22.1	20.3	21.0	20.7
	Native Hawaiian/Other Pac. Isl.	19.6	20.7	20.4	20.3	20.4
	Two or more races	21.6	22.1	22.6	22.2	22.3
	Prefer not/No Response	22.9	23.1	24.1	23.2	23.5
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: 44,676

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	2,774	6	1,762	4	3,144	7	1,443	3
	28 to 32	5,743	13	6,110	14	8,221	18	5,433	12
	24 to 27	9,118	20	13,933	31	8,574	19	13,031	29
	20 to 23	13,056	29	10,203	23	12,022	27	14,933	33
	16 to 19	7,649	17	10,609	24	8,372	19	7,262	16
	13 to 15	4,072	9	1,985	4	3,345	7	1,780	4
	01 to 12	2,264	5	74	0	998	2	794	2
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	20,890	47	21.9	23.8	23.1	23.6	23.2
	Females	23,724	53	22.4	22.5	23.2	22.3	22.7
	Missing	62	0	20.3	23.0	21.2	22.5	21.9
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	77	67	57	57	43
	Females	79	58	57	47	36
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

Total Students in Report: 44,676

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	38,746	80	22.6	66	23.4	60	23.5	55	23.2	41	23.3
	Less than Core	5,367	62	19.6	41	20.7	41	21.0	32	20.8	21	20.6
	Missing ³	563	62	20.0	41	20.9	50	22.2	43	21.8	30	21.4
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	43,316	78	22.3	43,334	63	23.2	42,516	58	23.2	41,114	54	23.1
	Less than Core	832	62	19.2	796	18	18.2	1,630	49	22.1	3,025	25	20.0
	Missing ³	528	65	20.3	546	41	20.9	530	52	22.6	537	45	22.0
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

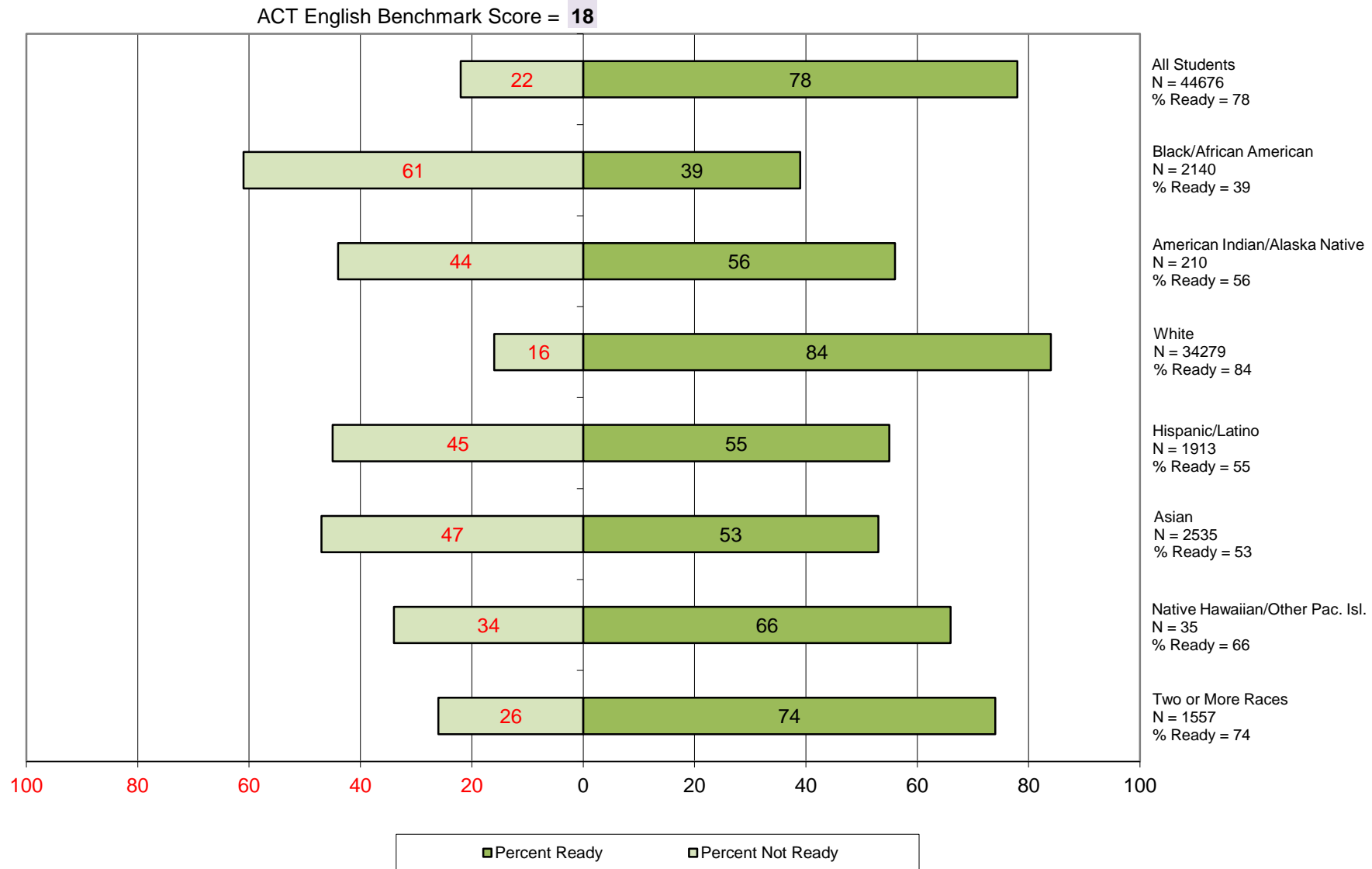


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

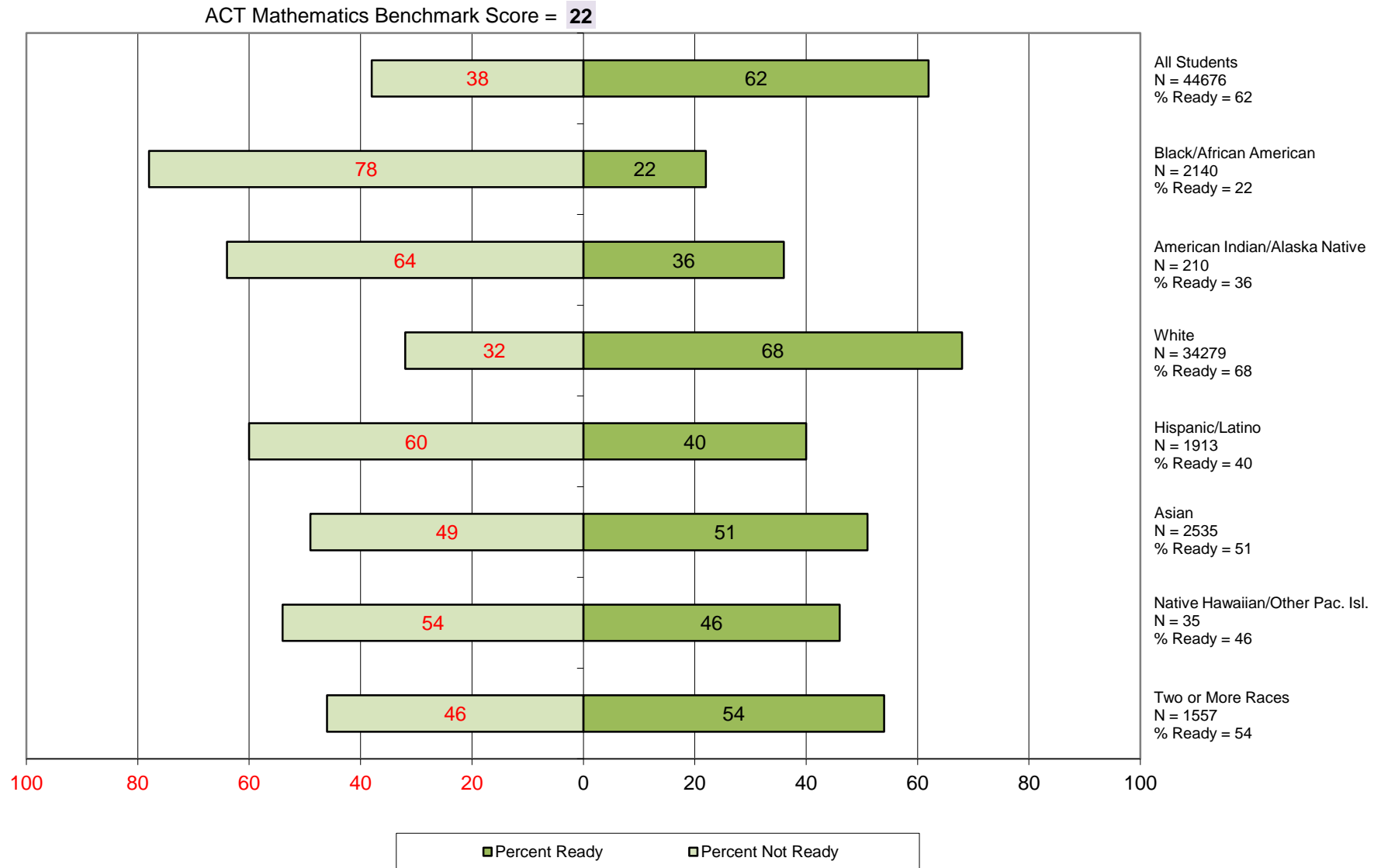


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

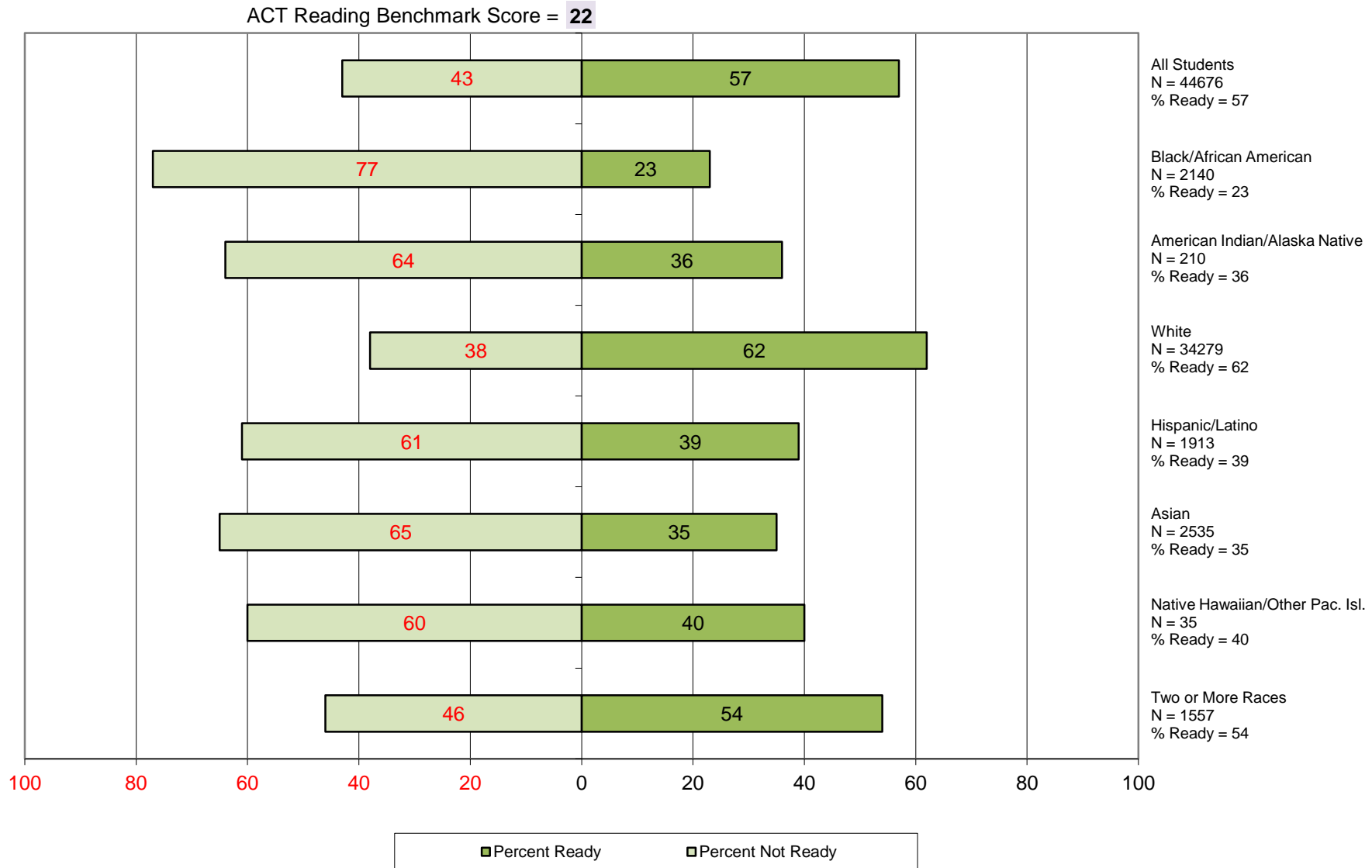


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

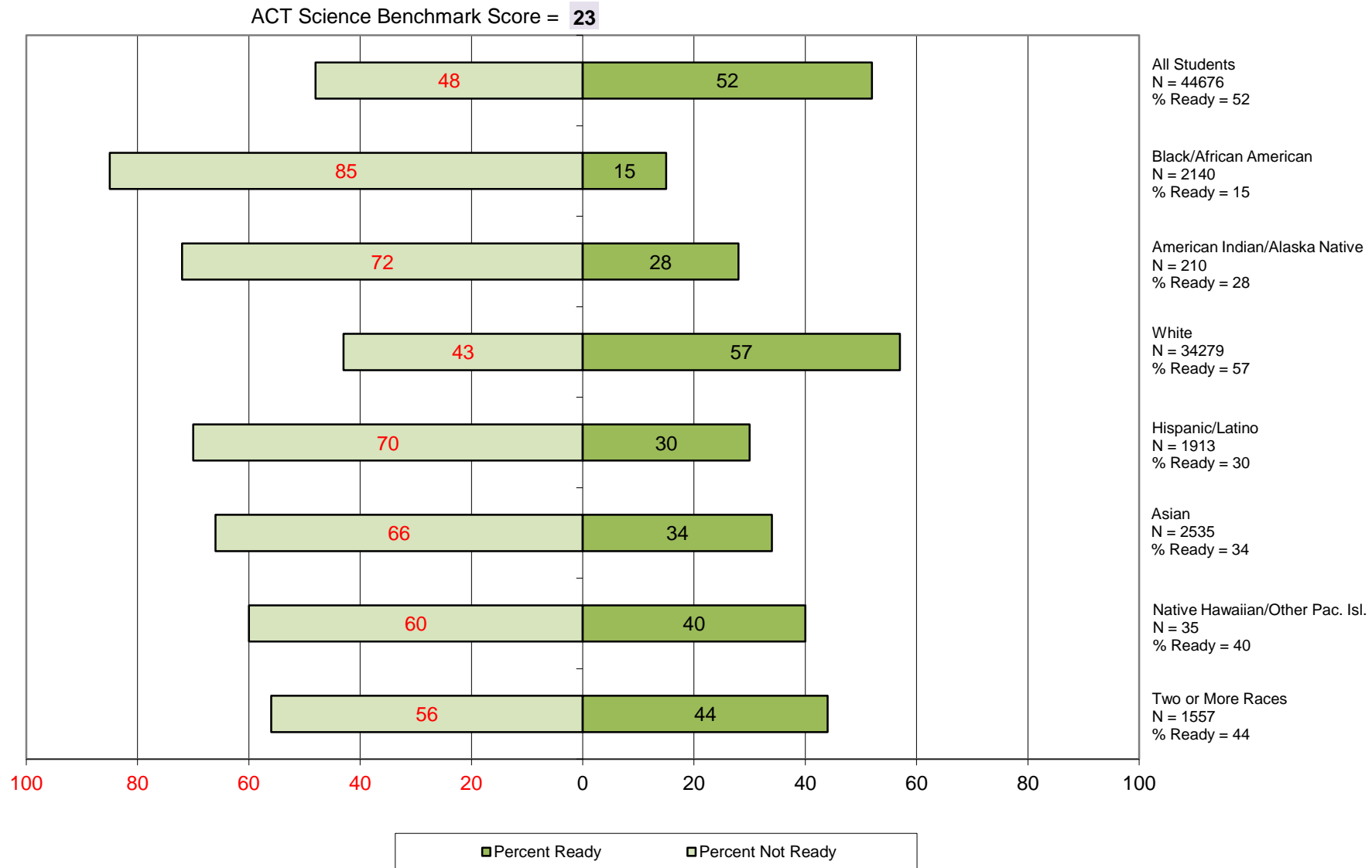
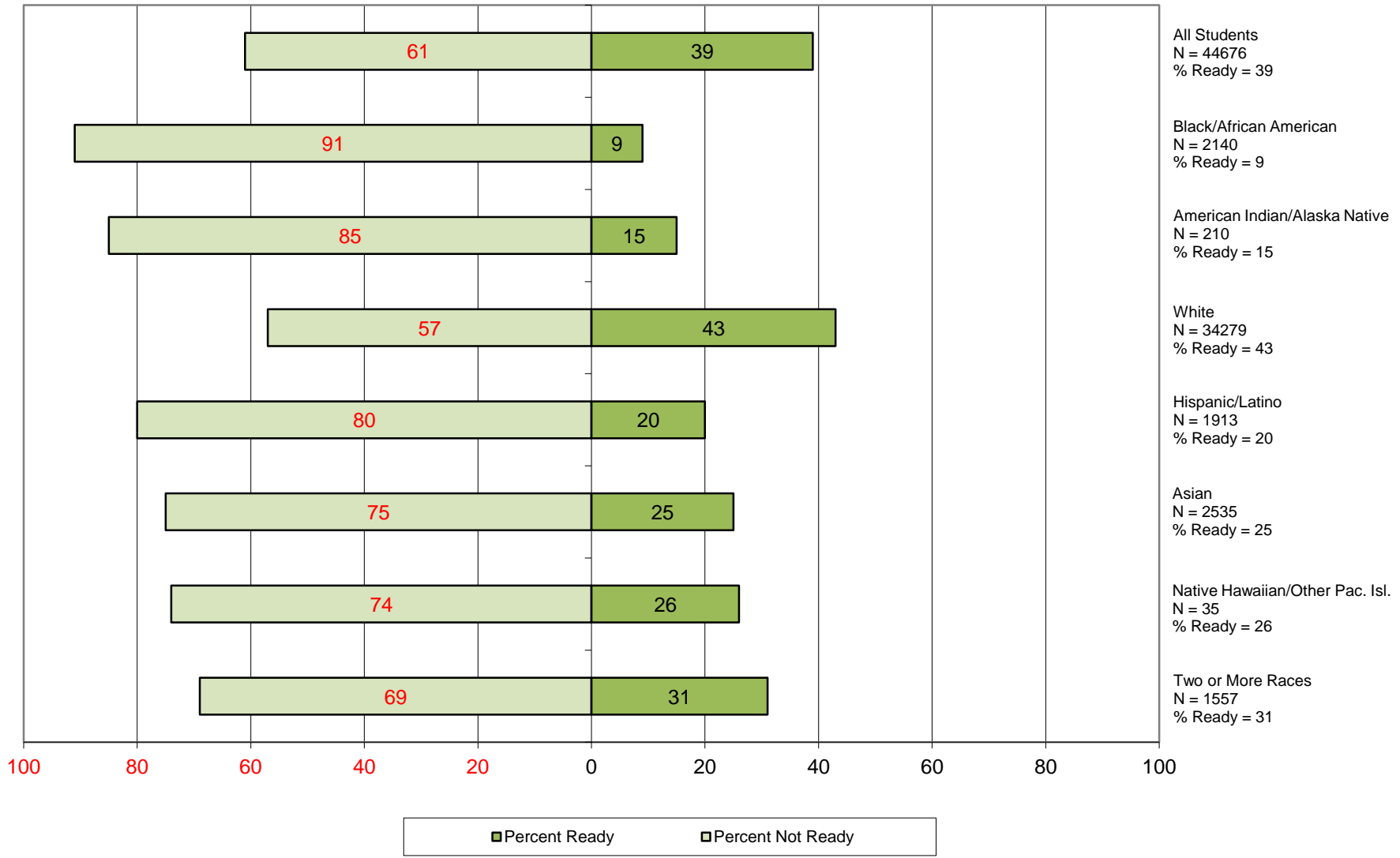


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 44,676

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	15,367	34	22.7	3.5	6,565	31	22.4	3.6	8,788	37	22.9	3.4
Eng 9, Eng 10, Eng 11, Eng 12	27,949	63	22.1	2.9	13,600	65	21.8	3.0	14,311	60	22.3	2.8
Less than 4 years of English	832	2	19.2	-	405	2	18.8	-	418	2	19.5	-
Zero years / no English courses reported	528	1	20.3	-	320	2	20.5	-	207	1	20.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	3,079	7	25.2	7.0	1,453	7	25.7	7.3	1,611	7	24.6	6.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,784	11	22.9	4.7	1,931	9	23.3	4.9	2,852	12	22.6	4.6
Alg 1, Alg 2, Geom, & Trig	2,338	5	20.8	2.6	1,015	5	21.3	2.9	1,316	6	20.5	2.5
Alg 1, Alg 2, Geom, & Other Adv Math	7,312	16	21.2	3.0	2,867	14	21.6	3.2	4,438	19	21.0	3.0
Other comb of 4 or more years of Math	19,514	44	25.2	7.0	10,071	48	25.8	7.4	9,431	40	24.5	6.5
Alg 1, Alg 2, & Geom	4,569	10	18.7	0.5	1,993	10	18.9	0.5	2,559	11	18.4	0.4
Other comb of 3 or 3.5 years of Math	1,738	4	21.7	3.5	859	4	22.2	3.8	878	4	21.2	3.2
Less than 3 years of Math	796	2	18.2	-	371	2	18.4	-	424	2	18.0	-
Zero years / no Math courses reported	546	1	20.9	-	330	2	21.5	-	215	1	19.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	425	1	24.6	2.5	215	1	24.2	2.2	210	1	25.1	2.7
Other comb of 4 or more years Social Science	33,122	74	23.1	1.0	15,190	73	23.1	1.1	17,915	76	23.1	0.7
US Hist, World Hist, & Am Gov	508	1	22.9	0.8	254	1	22.8	0.8	254	1	22.9	0.5
Other comb of 3 or 3.5 years of Social Science	8,461	19	23.3	1.2	4,084	20	23.2	1.2	4,346	18	23.5	1.1
Less than 3 years of Social Science	1,630	4	22.1	-	823	4	22.0	-	794	3	22.4	-
Zero years / no Social Science courses reported	530	1	22.6	-	324	2	22.8	-	205	1	22.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	26,821	60	23.7	3.7	13,496	65	24.5	4.3	13,291	56	23.0	3.2
Bio, Chem, Phys	1,403	3	24.1	4.1	663	3	25.0	4.8	738	3	23.2	3.4
Gen Sci ² , Bio, Chem	11,607	26	21.8	1.8	4,313	21	22.1	1.9	7,279	31	21.5	1.7
Other comb of 3 years of Natural Science	1,283	3	21.6	1.6	753	4	22.0	1.8	529	2	21.1	1.3
Less than 3 years of Natural Science	3,025	7	20.0	-	1,336	6	20.2	-	1,680	7	19.8	-
Zero years / no Natural Science courses reported	537	1	22.0	-	329	2	22.7	-	207	1	21.0	-

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: 44,676

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	15,367	34	22.7	81	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	27,949	63	22.1	77	1,265,911	70	20.3	65
Less than 4 years of English	832	2	19.2	62	84,048	5	15.9	36
Zero years / no English courses reported	528	1	20.3	65	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	3,079	7	25.2	79	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,784	11	22.9	67	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	2,338	5	20.8	44	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	7,312	16	21.2	49	336,291	19	19.6	32
Other comb of 4 or more years of Math	19,514	44	25.2	78	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	4,569	10	18.7	23	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	1,738	4	21.7	51	88,866	5	19.7	34
Less than 3 years of Math	796	2	18.2	18	77,906	4	16.3	7
Zero years / no Math courses reported	546	1	20.9	41	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	425	1	24.6	67	50,989	3	22.2	51
Other comb of 4 or more years Social Science	33,122	74	23.1	58	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	508	1	22.9	54	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	8,461	19	23.3	58	489,586	27	21.0	43
Less than 3 years of Social Science	1,630	4	22.1	49	171,617	10	19.1	32
Zero years / no Social Science courses reported	530	1	22.6	52	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	26,821	60	23.7	59	767,293	43	21.9	46
Bio, Chem, Phys	1,403	3	24.1	61	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	11,607	26	21.8	42	504,165	28	19.9	28
Other comb of 3 years of Natural Science	1,283	3	21.6	40	51,822	3	19.1	25
Less than 3 years of Natural Science	3,025	7	20.0	25	218,267	12	18.0	17
Zero years / no Natural Science courses reported	537	1	22.0	45	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: 44,676

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	932	2	21.2	84	6	18.6	799	2	21.5
Architecture	437	1	22.8	14	1	20.1	405	1	22.9
Area, Ethnic, & Multidisciplinary Studies	54	0	23.1	0	0	.	48	0	23.3
Arts: Visual & Performing	2,296	5	22.0	110	8	18.8	1,961	5	22.5
Business	4,453	10	22.4	144	10	18.5	4,036	10	22.6
Communications	842	2	23.0	17	1	16.6	788	2	23.1
Community, Family, & Personal Services	923	2	20.1	72	5	19.1	788	2	20.4
Computer Science & Mathematics	1,154	3	24.4	45	3	19.9	1,025	3	24.7
Education	2,553	6	22.0	33	2	17.6	2,420	6	22.1
Engineering	3,490	8	25.4	47	3	17.9	3,247	8	25.6
Engineering Technology & Drafting	490	1	21.4	41	3	17.1	400	1	22.1
English & Foreign Languages	663	1	24.7	11	1	21.2	585	1	24.9
Health Administration & Assisting	1,160	3	19.4	72	5	17.7	981	2	19.7
Health Sciences & Technologies	7,391	17	22.7	176	13	19.0	6,853	17	22.9
Philosophy, Religion, & Theology	257	1	22.4	10	1	18.5	228	1	22.7
Repair, Production, & Construction	372	1	19.7	169	12	18.8	179	0	20.6
Sciences: Biological & Physical	3,233	7	25.4	11	1	19.9	3,045	8	25.5
Social Sciences & Law	3,163	7	22.9	47	3	18.9	2,928	7	23.1
Undecided	10,153	23	23.1	275	20	18.8	8,689	22	23.3
No Response	651	1	22.0	16	1	16.4	80	0	20.6

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: 44,676

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	338	19.1	24	15.8	1	22.0	261	19.8	21	15.7
2-yr College Degree	1,058	18.5	52	15.0	14	17.0	786	19.3	73	16.2
Bachelors Degree	25,120	22.0	945	17.2	124	19.3	20,337	22.6	1,037	19.7
Graduate Study	6,509	25.4	205	20.1	20	20.6	5,276	25.9	210	23.0
Prof. Level Degree	7,862	25.1	577	19.6	34	23.2	5,625	26.0	358	22.1
Other	406	19.8	28	16.6	4	16.0	280	20.7	22	17.7
No Response	3,383	22.1	309	16.6	13	17.6	1,714	24.1	192	18.8

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	338	19.1	17	17.6	0	.	6	18.3	8	18.1
2-yr College Degree	1,058	18.5	72	15.3	1	19.0	33	18.4	27	18.1
Bachelors Degree	25,120	22.0	1,084	19.3	20	20.1	842	21.1	731	22.0
Graduate Study	6,509	25.4	296	23.8	5	22.4	238	24.5	259	26.0
Prof. Level Degree	7,862	25.1	567	24.2	6	23.3	317	24.5	378	26.0
Other	406	19.8	37	17.3	1	15.0	22	18.0	12	24.7
No Response	3,383	22.1	462	19.0	2	13.5	99	21.6	592	22.8

Total Students in Report: 44,676

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
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	9,138	3,582	5,556	1	4	14	27	31	20	3
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	5,881	1,912	3,969	0	2	17	38	30	11	1
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	4,344	1,422	2,922	1	7	26	41	20	5	0
SAINT CLOUD STATE UNIVERSITY	Minnesota	3,284	946	2,338	1	8	27	38	20	6	0
NORTH DAKOTA STATE UNIVERSITY	North Dakota	3,270	1,028	2,242	0	3	18	37	29	12	1
WINONA STATE UNIVERSITY	Minnesota	3,269	918	2,351	1	6	25	41	22	5	0
UNIV OF WISCONSIN-MADISON	Wisconsin	2,508	625	1,883	0	1	6	18	34	34	6
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,196	660	1,536	0	2	16	39	29	13	1
BEMIDJI STATE UNIVERSITY	Minnesota	2,175	658	1,517	1	6	30	39	19	4	0
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	1,973	483	1,490	1	3	12	29	35	18	2
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	1,472	378	1,094	0	3	26	39	25	6	0
IOWA STATE UNIVERSITY	Iowa	1,210	339	871	0	2	7	26	35	27	4
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,208	255	953	0	2	15	37	34	11	1
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,144	316	828	0	6	28	38	22	5	0
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	1,086	275	811	0	1	9	26	36	24	3
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	1,084	365	719	0	3	20	37	29	11	1
AUGSBURG COLLEGE	Minnesota	1,057	256	801	2	11	30	29	20	8	1
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	1,007	302	705	0	3	17	32	30	16	1
BETHEL UNIVERSITY	Minnesota	1,002	365	637	1	3	13	30	34	17	3
HAMLIN UNIVERSITY	Minnesota	998	232	766	1	7	21	30	26	13	1
CONCORDIA COLLEGE-MOORHEAD	Minnesota	938	314	624	0	2	14	28	35	20	2
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	915	175	740	1	3	12	39	34	10	1
COLLEGE OF SAINT SCHOLASTICA	Minnesota	834	223	611	0	3	18	33	33	12	1
UNIV OF WISCONSIN-STOUT	Wisconsin	801	239	562	0	4	26	38	24	7	0
NORTHWESTERN COLLEGE	Minnesota	783	293	490	0	3	15	27	35	17	2
ST OLAF COLLEGE	Minnesota	752	199	553	0	3	8	18	33	32	6
COLLEGE POSSIBLE-TWIN CITIES	Minnesota	723	683	40	3	18	41	25	10	3	0
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	701	217	484	1	5	24	41	22	7	0
COLLEGE OF SAINT BENEDICT	Minnesota	642	221	421	0	2	10	28	38	19	2
ST CATHERINE UNIVERSITY	Minnesota	625	146	479	2	11	28	30	21	8	1
All Other Institutions		29,644	8,211	21,433	1	6	18	28	25	18	4
Total		86,664	26,238	60,426	1	5	18	31	27	15	3

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: 44,676

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	28,966	942,769	22.8	21.3	7.2	7.0	21.8	20.5
Black/African American	1,611	114,751	16.7	16.3	6.3	6.1	16.5	16.0
American Indian/Alaska Native	139	6,031	18.6	16.8	6.7	6.1	18.3	16.4
White	21,128	518,407	23.9	22.9	7.3	7.2	22.7	21.9
Hispanic/Latino	1,345	151,504	19.2	18.6	6.8	6.8	18.8	18.3
Asian	2,149	54,580	19.2	23.5	6.9	7.6	18.9	22.7
Native Hawaiian/Other Pac. Isl.	26	2,812	20.0	19.5	7.3	6.9	19.8	19.2
Two or more races	1,112	35,355	22.2	21.5	7.0	7.0	21.2	20.6
Prefer not/No Response	1,456	59,329	23.5	21.8	7.2	7.1	22.3	20.9
Males	13,231	423,104	22.6	21.0	6.9	6.7	21.4	20.1
Females	15,674	513,945	23.0	21.6	7.4	7.2	22.1	20.9
Missing	61	5,720	20.4	16.6	6.9	6.3	19.8	16.5

