

# ACT Profile Report - State

Graduating Class 2014

Minnesota



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This report provides information about the performance of your 2014 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2014. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

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

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

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

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

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

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

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

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

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

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

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

**The ACT:**

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

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

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores, updated in August of 2013, are:

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

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

## How to Improve Scores and Increase College Readiness

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:** 45,305 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. 86% 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, 16% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 21% 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 6% of the cohort took less than three years of natural science courses. 26% of these students were college ready. In comparison, 55% 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 30% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS:** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact ACT Customer Service at 319-337-1309 or [customerservices@act.org](mailto:customerservices@act.org).

# Section I

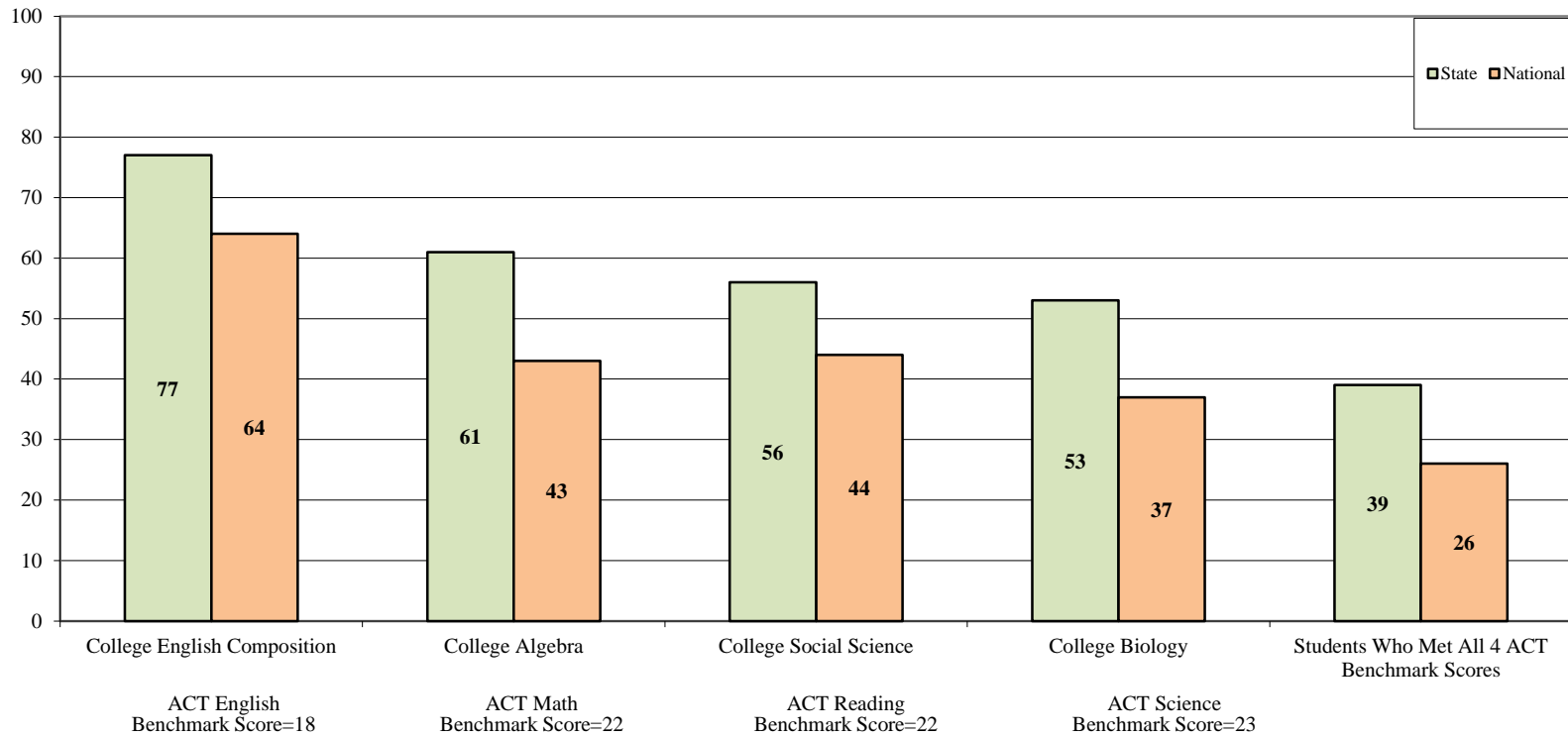
## Executive Summary

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

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

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

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



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



Total Students in Report: 45,305

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
	State	National	English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
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
<b>2014</b>	<b>45,305</b>	<b>1,845,787</b>	<b>77</b>	<b>64</b>	<b>61</b>	<b>43</b>	<b>56</b>	<b>44</b>	<b>53</b>	<b>37</b>	<b>39</b>	<b>26</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
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
<b>2014</b>	<b>45,305</b>	<b>1,845,787</b>	<b>22.1</b>	<b>20.3</b>	<b>23.0</b>	<b>20.9</b>	<b>23.1</b>	<b>21.3</b>	<b>22.9</b>	<b>20.8</b>	<b>22.9</b>	<b>21.0</b>

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

Year	Number of Students Tested		Average ACT Scores				
	State	National	English	Mathematics	Reading	Science	Composite
2010	44,323	1,568,835	20.5	21.0	21.3	20.9	21.0
2011	44,952	1,623,112	20.6	21.1	21.3	20.9	21.1
2012	44,977	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	44,676	1,799,243	20.2	20.9	21.1	20.7	20.9
<b>2014</b>	<b>45,305</b>	<b>1,845,787</b>	<b>20.3</b>	<b>20.9</b>	<b>21.3</b>	<b>20.8</b>	<b>21.0</b>

Total Students in Report: 45,305

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More <sup>1</sup>	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	Core or More	Less than Core	Core or More	Less than Core
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
<b>2014</b>	<b>38,813</b>	<b>5,430</b>	<b>86</b>	<b>12</b>	<b>22.6</b>	<b>19.6</b>	<b>23.4</b>	<b>20.5</b>	<b>23.5</b>	<b>21.0</b>	<b>23.3</b>	<b>20.6</b>	<b>23.3</b>	<b>20.6</b>

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>44,323</b>	<b>100</b>	<b>22.9</b>	<b>44,952</b>	<b>100</b>	<b>22.9</b>	<b>44,977</b>	<b>100</b>	<b>22.8</b>	<b>44,676</b>	<b>100</b>	<b>23.0</b>	<b>45,305</b>	<b>100</b>	<b>22.9</b>
Black/African American	1,995	5	17.7	2,095	5	17.9	2,047	5	17.9	2,140	5	18.0	2,412	5	17.9
American Indian/Alaska Native	307	1	20.5	232	1	20.2	211	0	20.3	210	0	19.7	208	0	19.9
White	36,213	82	23.5	36,070	80	23.5	35,159	78	23.4	34,279	77	23.6	33,895	75	23.7
Hispanic/Latino	976	2	20.0	1,389	3	20.1	1,757	4	20.4	1,913	4	20.2	2,204	5	19.8
Asian	2,375	5	20.8	2,641	6	20.6	2,628	6	20.7	2,535	6	20.7	2,790	6	20.7
Native Hawaiian/Other Pacific Islander	0	0	.	20	0	21.2	45	0	19.5	35	0	20.4	34	0	20.0
Two or more races	943	2	22.2	1,033	2	21.9	1,459	3	22.2	1,557	3	22.3	1,675	4	22.3
Prefer not to respond/No response	1,514	3	22.6	1,472	3	23.2	1,671	4	23.7	2,007	4	23.5	2,087	5	23.0

Total Students in Report: 45,305

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



**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	44,105	97	22.1	23.0	23.1	22.9	22.9
	Extended Time	1,200	3	20.6	21.1	23.3	22.3	22.0
	Total	45,305	100	22.1	23.0	23.1	22.9	22.9
National	Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

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

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	77	62	56	53	39
	Extended Time	66	44	58	47	33
	Total	77	61	56	53	39
National	Standard Time	65	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

# Section II

## Academic Achievement

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

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

Total Students in Report: 45,305

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	161	100	147	100	436	100	423	100	37	100	36
35	823	100	401	100	511	99	466	99	225	100	35
34	889	98	673	99	1,000	98	604	98	459	99	34
33	976	96	615	97	1,242	96	551	97	629	98	33
32	874	94	655	96	1,802	93	649	95	895	97	32
31	880	92	820	95	1,602	89	1,026	94	1,141	95	31
30	1,358	90	1,007	93	1,907	85	859	92	1,544	93	30
29	1,169	87	2,012	90	1,579	81	797	90	1,676	89	29
28	1,527	84	2,427	86	1,703	78	1,439	88	2,013	85	28
27	1,715	81	2,602	81	1,712	74	2,741	85	2,299	81	27
26	2,058	77	3,441	75	1,902	70	2,287	79	2,665	76	26
25	2,602	73	3,729	67	1,892	66	3,870	74	3,152	70	25
24	3,090	67	3,559	59	2,369	62	3,940	65	3,339	63	24
23	2,643	60	3,218	51	3,365	57	4,203	57	3,523	56	23
22	3,231	54	2,415	44	2,338	49	3,907	47	3,477	48	22
21	3,356	47	2,015	39	4,206	44	3,419	39	3,431	40	21
20	3,258	40	2,021	34	2,670	35	3,290	31	3,018	33	20
19	2,375	32	1,934	30	2,799	29	3,022	24	2,695	26	19
18	1,784	27	2,766	26	2,141	23	1,954	17	2,414	20	18
17	1,620	23	3,172	20	1,884	18	1,535	13	1,960	15	17
16	1,818	20	3,032	13	1,546	14	1,274	10	1,524	10	16
15	2,237	16	1,676	6	1,321	10	848	7	1,161	7	15
14	1,352	11	595	2	1,133	7	672	5	852	4	14
13	903	8	244	1	973	5	470	3	627	3	13
12	754	6	82	1	594	3	396	2	310	1	12
11	720	4	29	1	386	1	284	1	148	1	11
10	430	2	9	1	127	1	174	1	52	1	10
9	300	2	4	1	87	1	123	1	16	1	9
8	201	1	2	1	10	1	44	1	13	1	8
7	117	1	0	1	40	1	17	1	6	1	7
6	52	1	1	1	14	1	8	1	2	1	6
5	16	1	0	1	3	1	6	1	2	1	5
4	8	1	2	1	5	1	3	1	0	1	4
3	5	1	0	1	2	1	1	1	0	1	3
2	3	1	0	1	1	1	2	1	0	1	2
1	0	1	0	1	3	1	1	1	0	1	1
Avg (SD)	22.1 (6.1)		23.0 (5.1)		23.1 (6.0)		22.9 (5.1)		22.9 (5.0)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 45,305

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subscore Averages**

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	2,092	100	698	100	1,477	100	1,909	100	2,349	100	472	100	550	100	18
17	2,900	95	1,039	98	3,220	97	3,242	96	2,767	95	798	99	386	99	17
16	2,024	89	2,612	96	3,858	90	3,568	89	3,516	89	1,598	97	2,603	98	16
15	2,721	85	4,308	90	2,702	81	2,823	81	3,154	81	3,609	94	4,346	92	15
14	2,287	79	4,207	81	4,946	75	3,084	75	4,262	74	4,978	86	4,775	83	14
13	3,833	73	4,809	72	4,258	64	3,834	68	5,438	65	6,019	75	5,834	72	13
12	3,744	65	5,009	61	4,330	55	4,739	59	5,629	53	6,669	61	5,570	59	12
11	4,780	57	5,463	50	4,388	45	4,500	49	3,341	40	4,341	47	5,972	47	11
10	5,048	46	4,446	38	4,520	36	3,676	39	3,287	33	6,841	37	5,022	34	10
9	4,567	35	4,505	28	3,394	26	5,058	31	3,363	26	3,524	22	4,592	23	9
8	3,210	25	3,367	18	3,765	18	2,682	20	3,386	18	3,189	14	2,536	12	8
7	2,408	18	1,623	11	2,101	10	2,473	14	2,743	11	1,478	7	1,482	7	7
6	2,332	13	1,292	7	1,284	5	1,413	8	1,205	5	953	4	704	4	6
5	1,679	7	1,057	4	615	2	1,544	5	573	2	399	2	442	2	5
4	926	4	574	2	245	1	488	2	187	1	196	1	213	1	4
3	498	2	219	1	95	1	218	1	79	1	157	1	164	1	3
2	229	1	65	1	70	1	45	1	21	1	35	1	57	1	2
1	27	1	12	1	37	1	9	1	5	1	49	1	57	1	1
Avg (SD)	11.1 (3.8)		11.4 (3.2)		11.9 (3.4)		11.7 (3.6)		12.1 (3.4)		11.5 (2.8)		11.7 (2.8)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	26	27	28	26	26
Q2 (50th Percentile)	22	23	23	23	23
Q1 (25th Percentile)	18	18	19	20	19

Total Students in Report: 45,305

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>45,305</b>	<b>86</b>	<b>23.3</b>	<b>20.6</b>
	Black/African American	2,412	79	18.5	16.3
	American Indian/Alaska Native	208	75	20.8	18.5
	White	33,895	88	24.0	21.4
	Hispanic/Latino	2,204	80	20.4	18.0
	Asian	2,790	85	21.0	18.9
	Native Hawaiian/Other Pac. Isl.	34	79	21.1	18.4
	Two or more races	1,675	85	22.8	20.1
	Prefer not/No Response	2,087	68	24.2	20.8
National	<b>All Students</b>	<b>1,845,787</b>	<b>73</b>	<b>21.8</b>	<b>18.9</b>
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	22.1	23.0	23.1	22.9	22.9
	Black/African American	16.5	18.2	18.3	18.0	17.9
	American Indian/Alaska Native	18.6	19.8	20.6	20.0	19.9
	White	23.0	23.7	23.9	23.6	23.7
	Hispanic/Latino	18.5	20.0	20.1	19.9	19.8
	Asian	19.2	21.9	20.2	21.0	20.7
	Native Hawaiian/Other Pac. Isl.	19.4	20.1	20.0	20.1	20.0
	Two or more races	21.5	22.2	22.8	22.2	22.3
	Prefer not/No Response	22.4	22.7	23.6	22.8	23.0
National	<b>All Students</b>	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7



Total Students in Report: 45,305

**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	2,849	6	1,836	4	3,189	7	2,044	5
	28 to 32	5,808	13	6,921	15	8,593	19	4,770	11
	24 to 27	9,465	21	13,331	29	7,875	17	12,838	28
	20 to 23	12,488	28	9,669	21	12,579	28	14,819	33
	16 to 19	7,597	17	10,904	24	8,370	18	7,785	17
	13 to 15	4,492	10	2,515	6	3,427	8	1,990	4
	01 to 12	2,606	6	129	0	1,272	3	1,059	2
National	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	21,156	47	21.8	23.7	23.0	23.5	23.2
	Females	24,061	53	22.4	22.3	23.2	22.3	22.7
	Missing	88	0	12.7	16.1	15.4	15.1	14.9
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	75	66	55	58	42
	Females	78	57	57	48	36
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 45,305

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	38,813	80	22.6	65	23.4	59	23.5	56	23.3	42	23.3
	Less than Core	5,430	61	19.6	39	20.5	41	21.0	34	20.6	22	20.6
	Missing <sup>3</sup>	1,062	41	16.6	27	18.7	33	19.3	28	18.9	18	18.5
National	Core or More	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing	92,717	36	16.0	18	17.7	23	17.7	16	17.6	10	17.4

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.

<sup>2</sup> "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

<sup>3</sup> Zero years or no coursework information reported in one or more content areas.

<sup>4</sup> Composite CRB% results reflect students who met all four subject-area benchmarks.

**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	43,364	78	22.3	43,537	63	23.2	42,493	57	23.3	41,395	55	23.2
	Less than Core	954	54	18.4	745	16	17.6	1,785	48	22.1	2,892	26	19.9
	Missing <sup>3</sup>	987	42	16.8	1,023	27	18.7	1,027	34	19.4	1,018	28	19.1
National	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

<sup>1</sup> "Curriculum Taken" reflects content-specific curriculum in this table.

<sup>2</sup> "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

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

# Section III

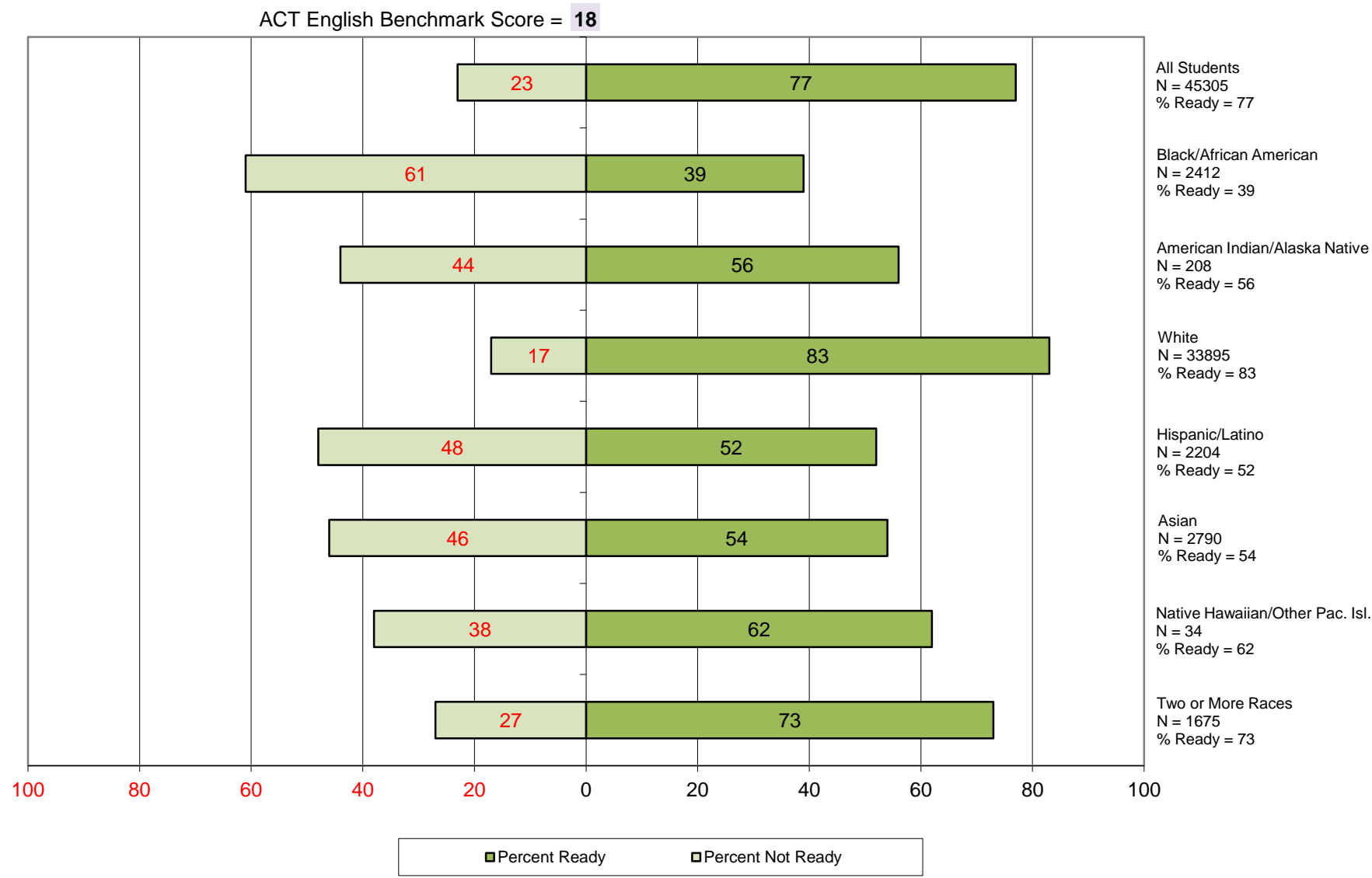
## College Readiness and the Impact of Course Rigor

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

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

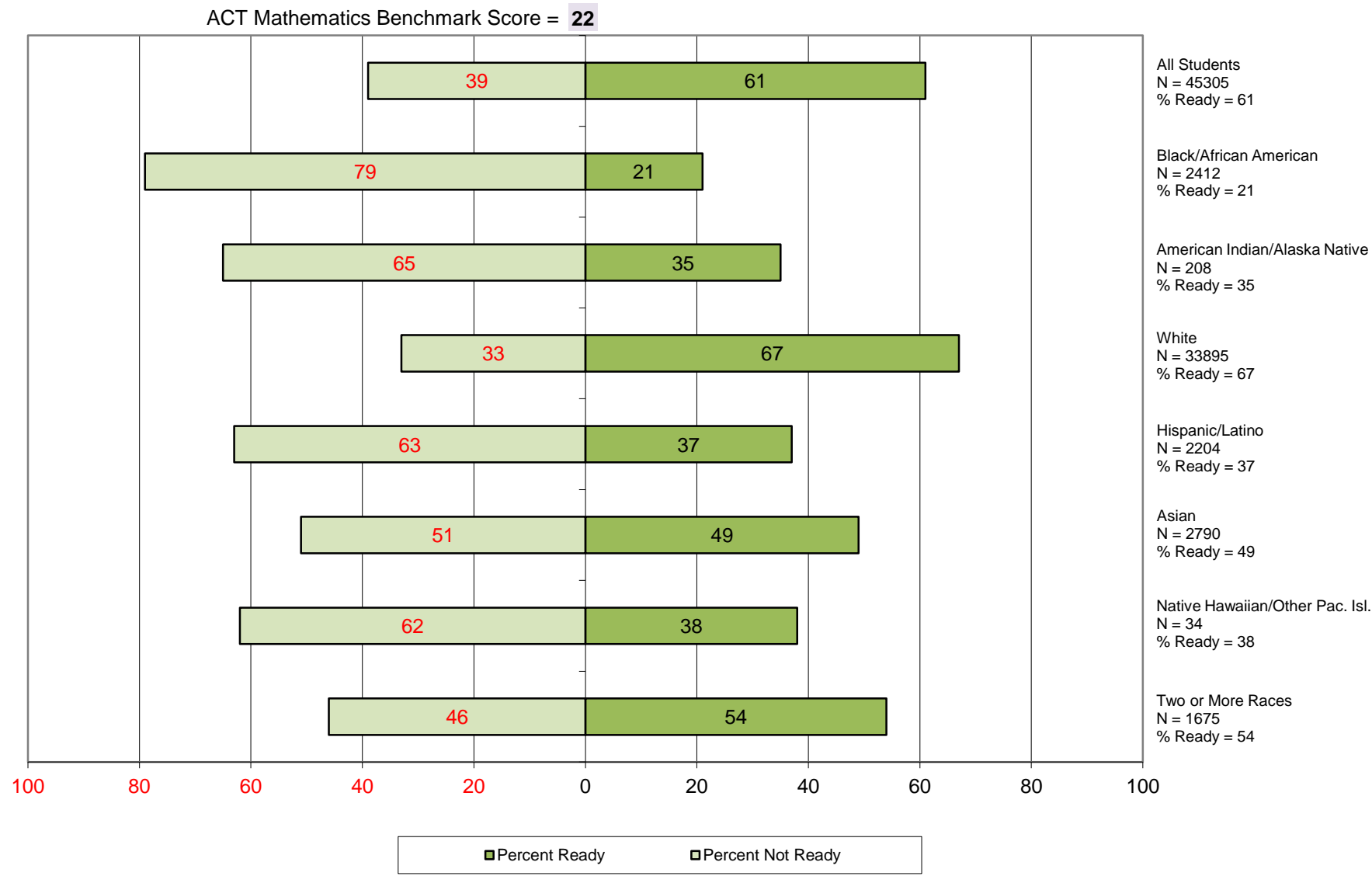
Total Students in Report: 45,305

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



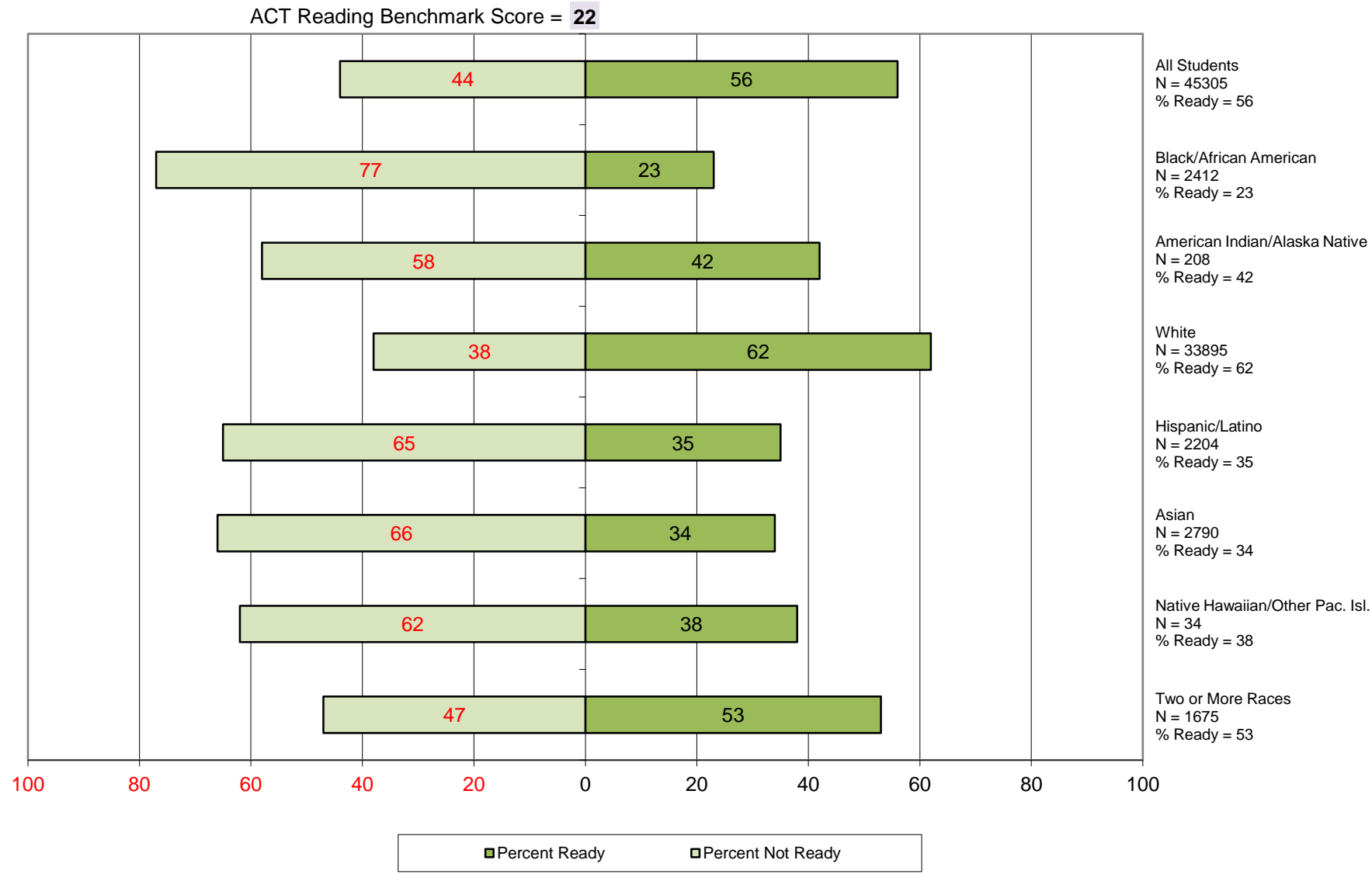
Total Students in Report: 45,305

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



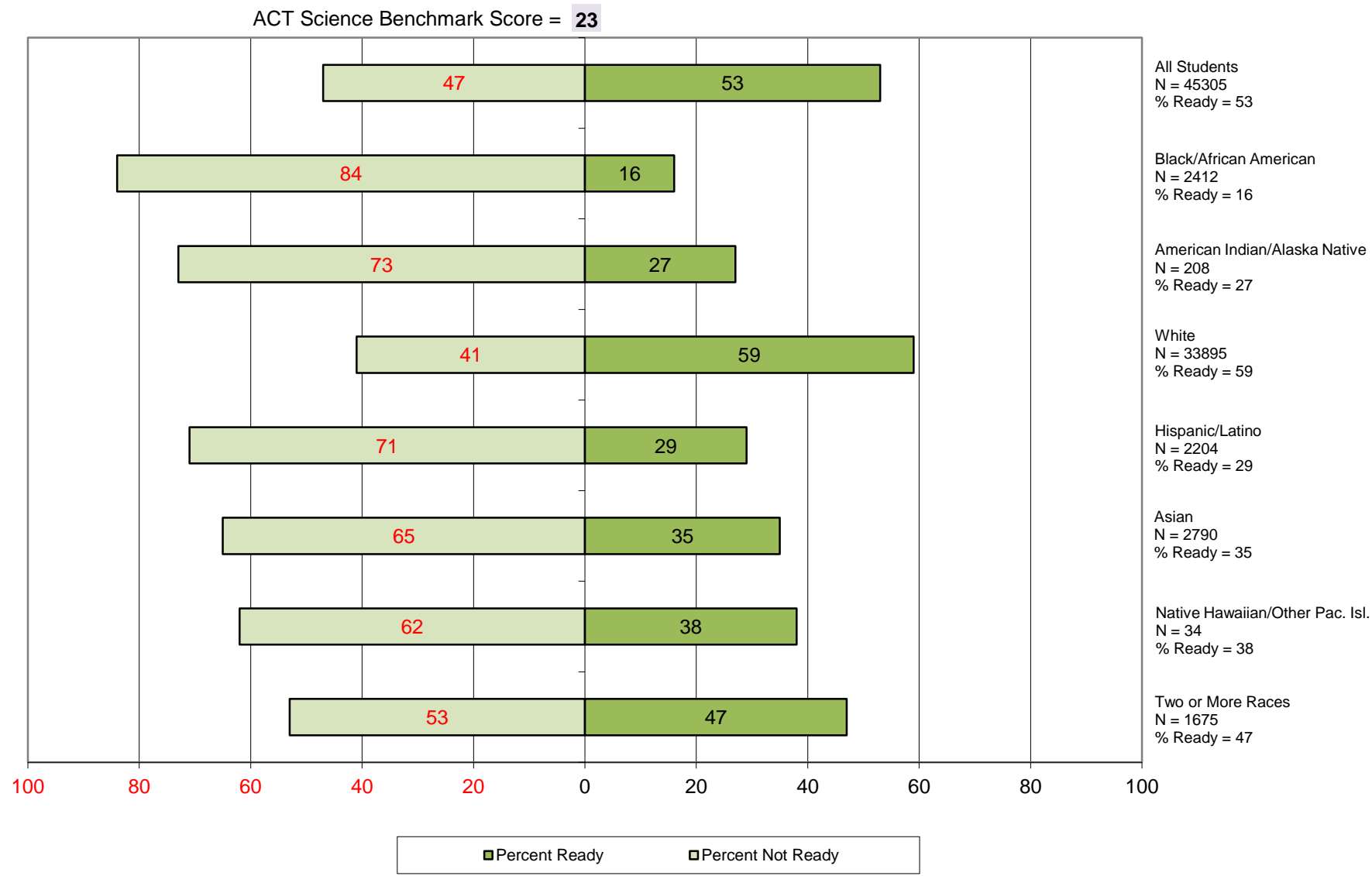
Total Students in Report: 45,305

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



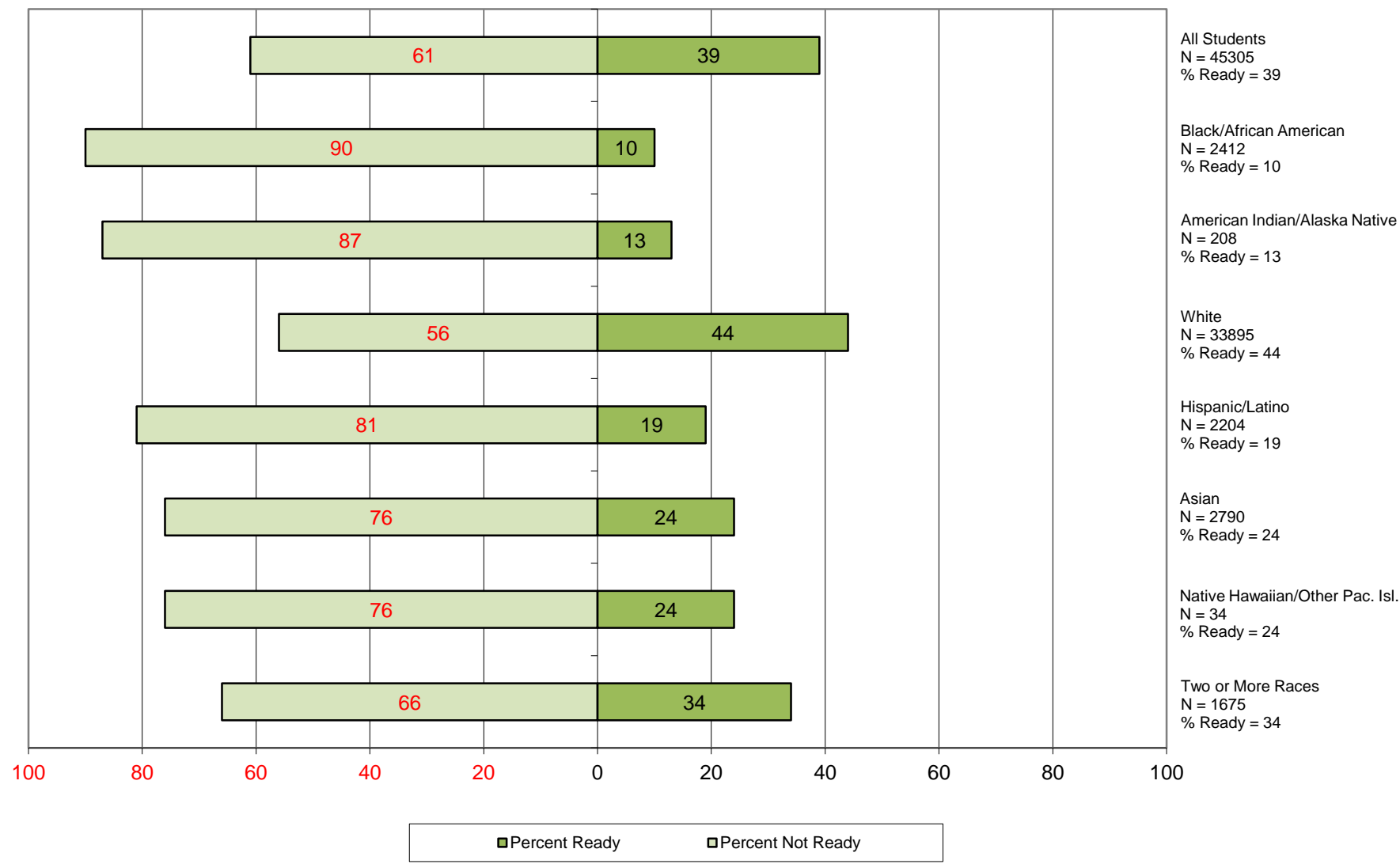
Total Students in Report: 45,305

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



Total Students in Report: 45,305

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





Total Students in Report: 45,305

**Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns**

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	14,271	31	22.6	4.2	6,093	29	22.3	4.5	8,175	34	22.9	3.7
Eng 9, Eng 10, Eng 11, Eng 12	29,093	64	22.1	3.7	14,049	66	22.0	4.2	15,020	62	22.3	3.1
Less than 4 years of English	954	2	18.4	-	490	2	17.8	-	459	2	19.2	-
Zero years / no English courses reported	987	2	16.8	-	524	2	17.4	-	407	2	16.8	-
<b>MATHEMATICS COURSE PATTERN</b>												
	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>
Alg 1, Alg 2, Geom, Trig, & Calc	3,150	7	25.4	7.8	1,494	7	26.1	8.2	1,655	7	24.7	7.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,953	11	22.7	5.1	2,072	10	23.3	5.4	2,878	12	22.4	5.0
Alg 1, Alg 2, Geom, & Trig	2,355	5	20.8	3.2	1,028	5	21.3	3.4	1,320	5	20.3	2.9
Alg 1, Alg 2, Geom, & Other Adv Math	7,386	16	21.1	3.5	2,919	14	21.5	3.6	4,464	19	20.8	3.4
Other comb of 4 or more years of Math	19,357	43	25.2	7.6	9,942	47	25.9	8.0	9,409	39	24.6	7.2
Alg 1, Alg 2, & Geom	4,609	10	18.5	0.9	2,016	10	18.9	1.0	2,585	11	18.2	0.8
Other comb of 3 or 3.5 years of Math	1,727	4	21.7	4.1	815	4	22.1	4.2	908	4	21.4	4.0
Less than 3 years of Math	745	2	17.6	-	330	2	17.9	-	415	2	17.4	-
Zero years / no Math courses reported	1,023	2	18.7	-	540	3	19.7	-	427	2	17.9	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>
US Hist, World Hist, Am Gov, & Other Hist	459	1	24.8	2.7	262	1	24.3	2.2	197	1	25.3	3.1
Other comb of 4 or more years Social Science	33,208	73	23.2	1.1	15,226	72	23.1	1.0	17,970	75	23.3	1.1
US Hist, World Hist, & Am Gov	460	1	23.3	1.2	241	1	22.9	0.8	219	1	23.6	1.4
Other comb of 3 or 3.5 years of Social Science	8,366	18	23.4	1.3	3,975	19	23.3	1.2	4,384	18	23.5	1.3
Less than 3 years of Social Science	1,785	4	22.1	-	902	4	22.1	-	871	4	22.2	-
Zero years / no Social Science courses reported	1,027	2	19.4	-	550	3	19.9	-	420	2	19.4	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	27,051	60	23.8	3.9	13,654	65	24.5	4.4	13,377	56	23.2	3.5
Bio, Chem, Phys	1,643	4	23.7	3.8	798	4	24.4	4.3	844	4	23.1	3.4
Gen Sci <sup>2</sup> , Bio, Chem	11,477	25	21.7	1.8	4,238	20	22.0	1.9	7,232	30	21.5	1.8
Other comb of 3 years of Natural Science	1,224	3	21.5	1.6	698	3	22.1	2.0	524	2	20.8	1.1
Less than 3 years of Natural Science	2,892	6	19.9	-	1,225	6	20.1	-	1,665	7	19.7	-
Zero years / no Natural Science courses reported	1,018	2	19.1	-	543	3	20.0	-	419	2	18.3	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

<sup>2</sup>Includes General, Physical and Earth Sciences.

Total Students in Report: 45,305

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

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	14,271	31	22.6	81	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	29,093	64	22.1	77	1,305,220	71	20.5	65
Less than 4 years of English	954	2	18.4	54	88,420	5	15.9	36
Zero years / no English courses reported	987	2	16.8	42	81,272	4	16.3	38
<b>MATHEMATICS COURSE PATTERN</b>								
	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	3,150	7	25.4	80	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,953	11	22.7	65	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	2,355	5	20.8	45	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	7,386	16	21.1	47	356,555	19	19.4	31
Other comb of 4 or more years of Math	19,357	43	25.2	78	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	4,609	10	18.5	21	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	1,727	4	21.7	51	90,105	5	19.8	35
Less than 3 years of Math	745	2	17.6	16	74,627	4	16.4	8
Zero years / no Math courses reported	1,023	2	18.7	27	84,966	5	17.8	19
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark
US Hist, World Hist, Am Gov, & Other Hist	459	1	24.8	67	48,992	3	22.3	50
Other comb of 4 or more years Social Science	33,208	73	23.2	57	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	460	1	23.3	56	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	8,366	18	23.4	57	504,877	27	21.3	43
Less than 3 years of Social Science	1,785	4	22.1	48	180,385	10	19.4	32
Zero years / no Social Science courses reported	1,027	2	19.4	34	85,294	5	17.8	24
<b>NATURAL SCIENCE COURSE PATTERN</b>								
	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	27,051	60	23.8	61	781,043	42	22.1	46
Bio, Chem, Phys	1,643	4	23.7	59	199,419	11	23.1	54
Gen Sci <sup>1</sup> , Bio, Chem	11,477	25	21.7	42	505,460	27	20.0	28
Other comb of 3 years of Natural Science	1,224	3	21.5	43	52,236	3	19.2	24
Less than 3 years of Natural Science	2,892	6	19.9	26	220,701	12	18.1	17
Zero years / no Natural Science courses reported	1,018	2	19.1	28	86,928	5	17.7	17

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

# Section IV

## Career and Educational Aspirations

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

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

Total Students in Report: 45,305

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	981	2	21.4	92	6	18.4	848	2	21.8
Architecture	393	1	22.7	11	1	18.4	355	1	23.0
Area, Ethnic, & Multidisciplinary Studies	67	0	23.3	2	0	10.5	55	0	24.7
Arts: Visual & Performing	2,130	5	22.0	105	7	18.3	1,869	5	22.4
Business	4,555	10	22.5	145	10	17.9	4,129	10	22.8
Communications	806	2	23.1	19	1	18.6	747	2	23.2
Community, Family, & Personal Services	889	2	19.8	99	7	17.3	722	2	20.2
Computer Science & Mathematics	1,334	3	24.5	40	3	19.9	1,200	3	24.9
Education	2,653	6	21.9	32	2	17.3	2,500	6	22.1
Engineering	3,678	8	25.3	58	4	18.4	3,410	9	25.5
Engineering Technology & Drafting	505	1	21.4	45	3	18.2	400	1	22.3
English & Foreign Languages	586	1	25.2	7	0	18.1	548	1	25.3
Health Administration & Assisting	1,239	3	19.4	78	5	16.7	1,049	3	19.8
Health Sciences & Technologies	7,410	16	22.8	183	12	18.9	6,840	17	23.0
Philosophy, Religion, & Theology	222	0	22.8	2	0	26.0	198	0	23.0
Repair, Production, & Construction	403	1	19.4	173	11	18.6	209	1	20.1
Sciences: Biological & Physical	3,240	7	25.3	26	2	18.4	3,028	8	25.4
Social Sciences & Law	3,118	7	22.8	51	3	18.0	2,894	7	23.1
Undecided	9,912	22	23.1	313	21	18.3	8,518	22	23.4
No Response	1,174	3	19.3	33	2	15.0	87	0	19.1

<sup>1</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

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

Total Students in Report: 45,305

**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	371	18.3	27	13.9	1	19.0	280	19.0	29	16.5
2-yr College Degree	1,146	18.1	53	14.4	8	16.6	850	18.9	97	15.5
Bachelors Degree	25,379	22.1	1,044	17.2	117	19.5	20,260	22.7	1,096	19.5
Graduate Study	6,569	25.5	208	20.0	14	22.7	5,257	26.0	247	22.8
Prof. Level Degree	7,664	25.3	614	20.1	43	22.5	5,388	26.1	368	22.7
Other	395	19.6	32	14.9	4	20.8	257	20.9	26	17.0
No Response	3,781	21.1	434	16.2	21	15.7	1,603	24.1	341	17.1

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	371	18.3	17	17.0	0	.	6	17.8	11	19.2
2-yr College Degree	1,146	18.1	78	15.0	0	.	32	18.4	28	17.0
Bachelors Degree	25,379	22.1	1,220	19.4	19	19.9	912	21.5	711	22.4
Graduate Study	6,569	25.5	321	23.3	4	19.0	238	24.6	280	26.0
Prof. Level Degree	7,664	25.3	572	24.7	5	20.4	335	24.2	339	26.1
Other	395	19.6	37	17.0	0	.	21	20.5	18	17.6
No Response	3,781	21.1	545	18.9	6	20.5	131	20.7	700	21.4

Total Students in Report: 45,305

**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	9,771	4,028	5,743	1	5	13	26	30	22	3
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	5,773	1,711	4,062	0	3	16	37	30	13	1
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	4,564	1,463	3,101	1	8	28	38	19	6	0
WINONA STATE UNIVERSITY	Minnesota	3,354	891	2,463	1	7	27	39	21	5	0
SAINT CLOUD STATE UNIVERSITY	Minnesota	3,333	901	2,432	2	8	28	36	20	6	0
NORTH DAKOTA STATE UNIVERSITY	North Dakota	3,272	992	2,280	0	3	17	37	29	13	2
UNIV OF WISCONSIN-MADISON	Wisconsin	2,471	625	1,846	0	1	5	16	34	38	6
BEMIDJI STATE UNIVERSITY	Minnesota	2,290	652	1,638	1	9	31	37	18	5	0
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	2,119	525	1,594	1	4	11	28	33	20	2
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,105	643	1,462	0	2	16	38	29	13	1
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	1,324	385	939	0	4	25	39	24	7	0
IOWA STATE UNIVERSITY	Iowa	1,298	318	980	0	2	7	27	34	26	3
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,190	271	919	0	2	14	37	31	15	1
AUGSBURG COLLEGE	Minnesota	1,084	288	796	5	14	30	27	17	7	1
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	1,082	378	704	0	3	20	37	29	11	0
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,062	273	789	1	4	23	42	22	9	0
BETHEL UNIVERSITY	Minnesota	1,035	383	652	0	3	14	30	31	19	3
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	993	287	706	1	4	15	31	32	16	2
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	967	234	733	0	2	11	25	33	27	3
HAMLIN UNIVERSITY	Minnesota	955	218	737	2	8	23	24	28	14	1
COLLEGE OF SAINT SCHOLASTICA	Minnesota	874	258	616	0	3	15	38	30	14	1
CONCORDIA COLLEGE-MOORHEAD	Minnesota	854	259	595	1	3	13	31	31	19	3
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	785	173	612	0	2	11	38	36	12	1
COLLEGE POSSIBLE-TWIN CITIES	Minnesota	770	728	42	3	19	39	28	9	2	0
ST OLAF COLLEGE	Minnesota	724	178	546	1	3	8	17	28	35	8
UNIVERSITY OF NORTHWESTERN-ST PAUL	Minnesota	714	272	442	0	4	15	32	28	18	3
UNIV OF WISCONSIN-STOUT	Wisconsin	710	217	493	1	5	24	41	22	6	1
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	682	216	466	1	7	31	35	21	4	0
ST CATHERINE UNIVERSITY	Minnesota	625	149	476	2	11	29	26	21	10	1
COLLEGE OF SAINT BENEDICT	Minnesota	602	221	381	0	2	10	26	37	24	1
All Other Institutions		31,406	8,764	22,642	2	7	18	26	24	19	4
<b>Total</b>		<b>88,788</b>	<b>26,901</b>	<b>61,887</b>	<b>1</b>	<b>6</b>	<b>19</b>	<b>30</b>	<b>26</b>	<b>16</b>	<b>3</b>

# Section V

## Optional Writing Test Results

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

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

Total Students in Report: 45,305

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing**

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
<b>All Students</b>	<b>27,944</b>	<b>976,031</b>	<b>22.9</b>	<b>21.3</b>	<b>7.3</b>	<b>7.1</b>	<b>22.0</b>	<b>20.6</b>
Black/African American	1,588	114,263	17.3	16.4	6.6	6.3	17.2	16.3
American Indian/Alaska Native	122	6,408	19.7	16.8	6.6	6.2	19.0	16.5
White	20,041	520,054	24.0	23.1	7.4	7.3	22.9	22.1
Hispanic/Latino	1,423	167,575	19.3	18.5	7.0	6.9	19.0	18.4
Asian	2,266	61,663	19.4	23.7	7.1	7.7	19.2	22.9
Native Hawaiian/Other Pac. Isl.	23	3,742	20.2	17.7	6.8	6.6	19.7	17.6
Two or more races	1,143	39,565	22.3	21.4	7.2	7.1	21.4	20.7
Prefer not/No Response	1,338	62,761	23.9	21.6	7.4	7.1	22.8	20.9
Males	12,816	438,500	22.8	21.1	7.1	6.9	21.7	20.2
Females	15,112	530,240	23.1	21.6	7.5	7.3	22.3	21.1
Missing	16	7,291	13.3	16.0	5.9	5.9	13.7	15.7





