



# Profile Report - State

Graduating Class 2015

Minnesota





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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](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:** 46,862 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 1% of the cohort took less than three years of math courses. Of these students, 18% were college ready. 9% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 19% of these students were college ready. In comparison, 65% 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 2% of the cohort took less than three years of natural science courses. 27% 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 31% 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

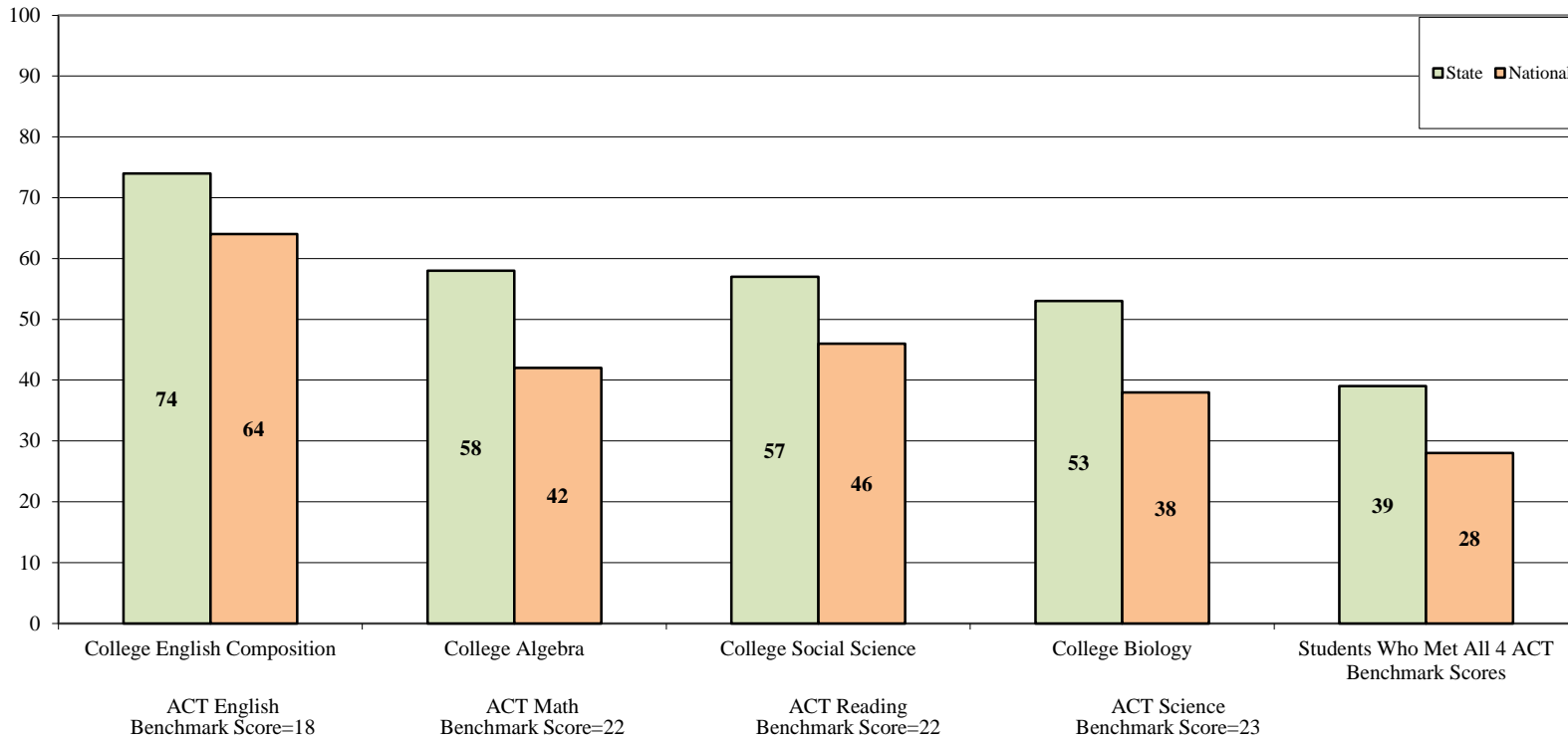
## Executive Summary

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: 46,862

**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	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
2014	45,305	1,845,787	77	64	61	43	56	44	53	37	39	26
<b>2015</b>	<b>46,862</b>	<b>1,924,436</b>	<b>74</b>	<b>64</b>	<b>58</b>	<b>42</b>	<b>57</b>	<b>46</b>	<b>53</b>	<b>38</b>	<b>39</b>	<b>28</b>

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

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
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
2014	45,305	1,845,787	22.1	20.3	23.0	20.9	23.1	21.3	22.9	20.8	22.9	21.0
<b>2015</b>	<b>46,862</b>	<b>1,924,436</b>	<b>21.8</b>	<b>20.4</b>	<b>22.8</b>	<b>20.8</b>	<b>23.0</b>	<b>21.4</b>	<b>22.7</b>	<b>20.9</b>	<b>22.7</b>	<b>21.0</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
<b>2015</b>	<b>1,924,436</b>	<b>20.4</b>	<b>20.8</b>	<b>21.4</b>	<b>20.9</b>	<b>21.0</b>

Total Students in Report: 46,862

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
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
2014	38,813	5,430	86	12	22.6	19.6	23.4	20.5	23.5	21.0	23.3	20.6	23.3	20.6
<b>2015</b>	<b>40,868</b>	<b>3,757</b>	<b>87</b>	<b>8</b>	<b>22.3</b>	<b>19.7</b>	<b>23.2</b>	<b>20.8</b>	<b>23.5</b>	<b>21.1</b>	<b>23.1</b>	<b>20.9</b>	<b>23.2</b>	<b>20.8</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**

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</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>	<b>46,862</b>	<b>100</b>	<b>22.7</b>
Black/African American	2,095	5	17.9	2,047	5	17.9	2,140	5	18.0	2,412	5	17.9	2,744	6	17.6
American Indian/Alaska Native	232	1	20.2	211	0	20.3	210	0	19.7	208	0	19.9	220	0	19.3
White	36,070	80	23.5	35,159	78	23.4	34,279	77	23.6	33,895	75	23.7	33,796	72	23.7
Hispanic/Latino	1,389	3	20.1	1,757	4	20.4	1,913	4	20.2	2,204	5	19.8	2,562	5	19.8
Asian	2,641	6	20.6	2,628	6	20.7	2,535	6	20.7	2,790	6	20.7	2,913	6	20.7
Native Hawaiian/Other Pacific Islander	20	0	21.2	45	0	19.5	35	0	20.4	34	0	20.0	34	0	20.1
Two or more races	1,033	2	21.9	1,459	3	22.2	1,557	3	22.3	1,675	4	22.3	1,683	4	22.2
Prefer not to respond/No response	1,472	3	23.2	1,671	4	23.7	2,007	4	23.5	2,087	5	23.0	2,910	6	21.3

Total Students in Report: 46,862

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



Total Students in Report: 46,862

**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	45,376	97	21.9	22.8	23.0	22.7	22.8
	Extended Time	1,486	3	20.2	20.7	23.0	21.7	21.5
	Total	46,862	100	21.8	22.8	23.0	22.7	22.7
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	74	59	57	53	40
	Extended Time	64	41	57	44	32
	Total	74	58	57	53	39
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: 46,862

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	195	100	214	100	471	100	348	100	58	100	36
35	784	100	361	100	551	99	541	99	275	100	35
34	1,017	98	676	99	1,081	98	722	98	491	99	34
33	877	96	518	97	1,629	96	521	97	739	98	33
32	1,225	94	834	96	1,716	92	985	95	936	97	32
31	1,103	91	781	94	1,594	88	629	93	1,163	95	31
30	994	89	1,158	93	1,823	85	990	92	1,552	92	30
29	1,145	87	1,573	90	1,600	81	900	90	1,683	89	29
28	1,743	84	2,681	87	1,718	78	1,387	88	2,060	85	28
27	1,356	81	3,037	81	1,874	74	2,010	85	2,335	81	27
26	2,172	78	3,642	75	1,917	70	2,834	81	2,699	76	26
25	2,882	73	2,803	67	1,963	66	4,059	75	3,074	70	25
24	2,583	67	3,430	61	2,568	62	4,486	66	3,292	64	24
23	3,048	61	3,304	54	3,161	56	4,203	56	3,335	57	23
22	2,750	55	2,368	47	3,145	49	3,040	47	3,479	49	22
21	3,405	49	2,031	42	3,063	43	4,167	41	3,382	42	21
20	3,162	42	2,446	37	2,893	36	3,086	32	3,139	35	20
19	2,147	35	2,487	32	2,634	30	3,033	26	2,820	28	19
18	2,095	30	2,645	27	2,423	24	2,168	19	2,497	22	18
17	1,673	26	3,427	21	1,746	19	1,661	14	2,036	17	17
16	2,136	22	3,215	14	1,692	16	1,468	11	1,756	12	16
15	2,499	18	1,875	7	1,629	12	1,066	8	1,357	9	15
14	1,518	13	812	3	1,301	8	722	5	1,091	6	14
13	968	9	340	1	1,043	6	664	4	805	3	13
12	851	7	130	1	844	3	513	3	493	2	12
11	824	5	45	1	343	2	296	1	193	1	11
10	709	4	20	1	253	1	160	1	67	1	10
9	444	2	6	1	77	1	100	1	29	1	9
8	297	1	2	1	48	1	51	1	15	1	8
7	143	1	0	1	27	1	22	1	7	1	7
6	54	1	1	1	21	1	17	1	4	1	6
5	35	1	0	1	1	1	3	1	0	1	5
4	17	1	0	1	12	1	5	1	0	1	4
3	4	1	0	1	0	1	4	1	0	1	3
2	2	1	0	1	0	1	0	1	0	1	2
1	5	1	0	1	1	1	1	1	0	1	1
Avg (SD)	21.8 (6.4)		22.8 (5.2)		23.0 (6.2)		22.7 (5.1)		22.7 (5.2)		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: 46,862

**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	2,186	100	893	100	1,913	100	2,388	100	2,482	100	469	100	567	100	18
17	3,092	95	974	98	3,257	96	2,866	95	2,368	95	595	99	214	99	17
16	1,842	89	3,499	96	3,906	89	3,332	89	3,738	90	1,488	98	2,773	98	16
15	3,244	85	3,677	89	3,605	81	4,261	82	3,494	82	4,119	95	4,362	92	15
14	2,156	78	3,701	81	3,162	73	3,919	73	3,792	74	6,242	86	5,241	83	14
13	3,234	73	4,625	73	4,994	66	3,898	64	5,125	66	5,886	72	5,420	72	13
12	3,701	66	4,863	63	4,696	56	4,126	56	5,394	55	4,661	60	5,632	60	12
11	5,251	58	5,746	53	4,406	46	3,827	47	3,510	44	6,567	50	5,208	48	11
10	4,843	47	4,283	40	4,944	36	3,723	39	3,910	36	6,167	36	5,796	37	10
9	3,838	37	4,849	31	3,295	26	3,681	31	3,613	28	4,737	23	4,853	25	9
8	3,876	29	3,625	21	3,573	19	2,800	23	3,410	20	2,795	13	2,922	15	8
7	3,135	20	2,000	13	2,559	11	2,678	17	3,547	13	1,656	7	1,649	8	7
6	2,548	14	1,589	9	1,361	5	2,918	11	1,471	5	512	3	947	5	6
5	1,779	8	1,253	5	670	3	1,280	5	607	2	541	2	710	3	5
4	1,088	5	827	3	252	1	893	2	262	1	101	1	164	1	4
3	723	2	334	1	118	1	212	1	114	1	262	1	279	1	3
2	250	1	108	1	98	1	51	1	21	1	7	1	15	1	2
1	76	1	16	1	53	1	9	1	4	1	57	1	110	1	1
Avg (SD)	10.9 (3.9)		11.2 (3.3)		11.9 (3.5)		11.6 (3.8)		11.9 (3.5)		11.6 (2.8)		11.5 (2.9)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	26	27	28	26	26
Q2 (50th Percentile)	22	23	23	23	23
Q1 (25th Percentile)	17	18	19	19	19

Total Students in Report: 46,862

**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>46,862</b>	<b>87</b>	<b>23.2</b>	<b>20.8</b>
	Black/African American	2,744	75	18.4	16.6
	American Indian/Alaska Native	220	78	20.0	18.1
	White	33,796	92	23.8	22.1
	Hispanic/Latino	2,562	81	20.4	18.2
	Asian	2,913	84	21.2	19.0
	Native Hawaiian/Other Pac. Isl.	34	79	20.4	19.3
	Two or more races	1,683	86	22.6	20.7
	Prefer not/No Response	2,910	55	23.8	19.7
National	<b>All Students</b>	<b>1,924,436</b>	<b>72</b>	<b>21.9</b>	<b>18.9</b>
	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

<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>	21.8	22.8	23.0	22.7	22.7
	Black/African American	16.1	17.9	18.0	17.9	17.6
	American Indian/Alaska Native	17.5	19.2	20.1	19.8	19.3
	White	23.0	23.6	24.0	23.6	23.7
	Hispanic/Latino	18.4	19.9	20.3	20.1	19.8
	Asian	19.0	21.8	20.3	21.1	20.7
	Native Hawaiian/Other Pac. Isl.	18.5	20.9	20.2	20.4	20.1
	Two or more races	21.2	22.0	22.8	22.2	22.2
	Prefer not/No Response	20.3	21.3	21.9	21.2	21.3
National	<b>All Students</b>	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: 46,862

**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	2,873	6	1,769	4	3,732	8	2,132	5
	28 to 32	6,210	13	7,027	15	8,451	18	4,891	10
	24 to 27	8,993	19	12,912	28	8,322	18	13,389	29
	20 to 23	12,365	26	10,149	22	12,262	26	14,496	31
	16 to 19	8,051	17	11,774	25	8,495	18	8,330	18
	13 to 15	4,985	11	3,027	6	3,973	8	2,452	5
	01 to 12	3,385	7	204	0	1,627	3	1,172	3
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	21,601	46	21.7	23.6	23.3	23.5	23.1
	Females	24,609	53	22.2	22.2	23.0	22.2	22.5
	Missing	652	1	13.5	17.0	16.2	16.0	15.8
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	73	64	58	58	44
	Females	76	54	57	49	36
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 46,862

**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>	40,868	77	22.3	62	23.2	60	23.5	56	23.1	42	23.2
	Less than Core	3,757	60	19.7	42	20.8	43	21.1	37	20.9	26	20.8
	Missing <sup>3</sup>	2,237	35	15.7	22	18.0	26	18.1	22	17.9	14	17.6
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

<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>	43,647	77	22.2	44,012	61	23.1	42,811	59	23.3	43,686	55	23.0
	Less than Core	1,093	48	17.5	683	18	17.8	1,886	48	21.8	1,010	27	19.7
	Missing <sup>3</sup>	2,122	35	15.8	2,167	21	18.0	2,165	26	18.2	2,166	22	18.0
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

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

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

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

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

# Section III

## College Readiness and the Impact of Course Rigor

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

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

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

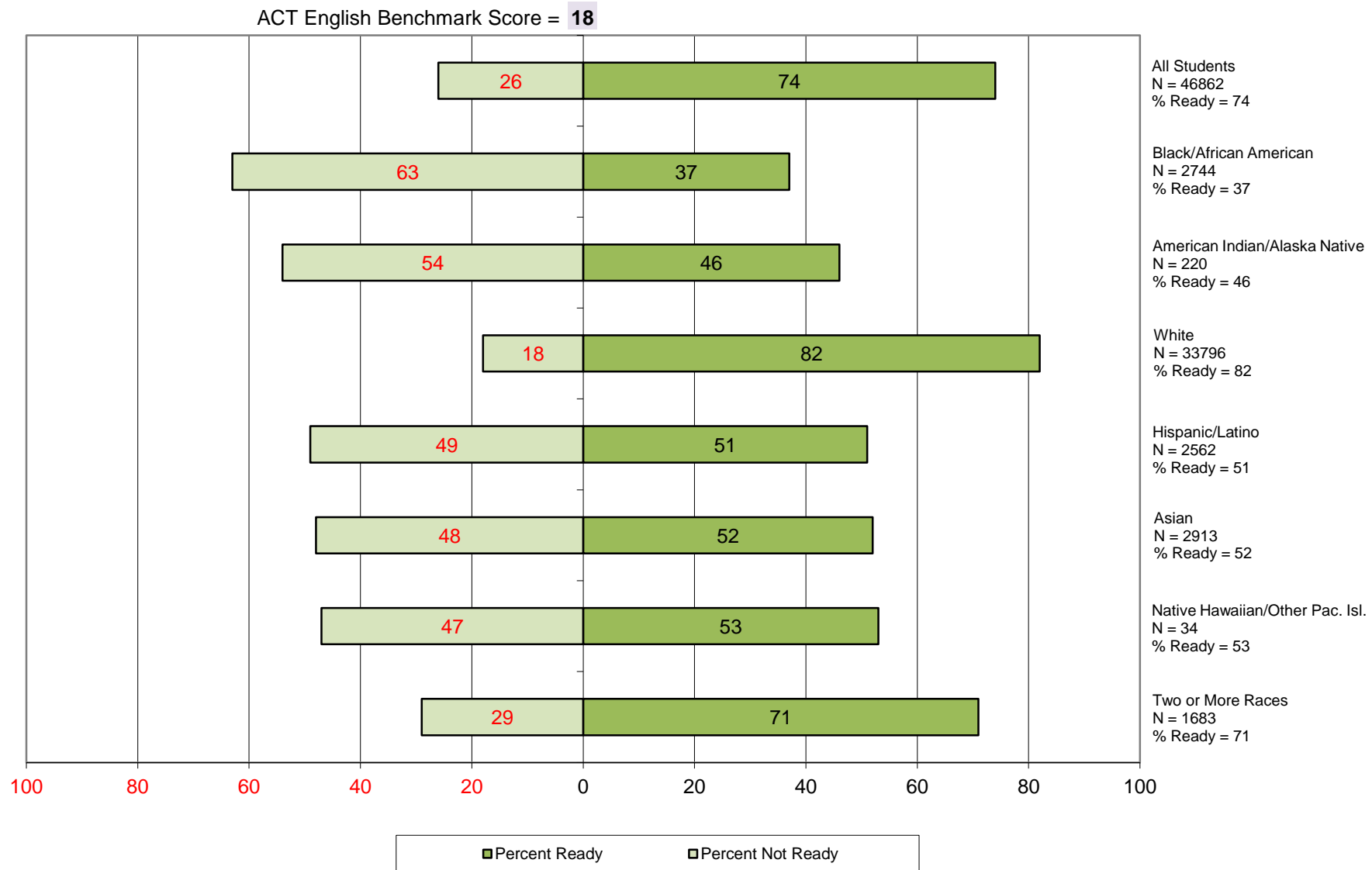


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

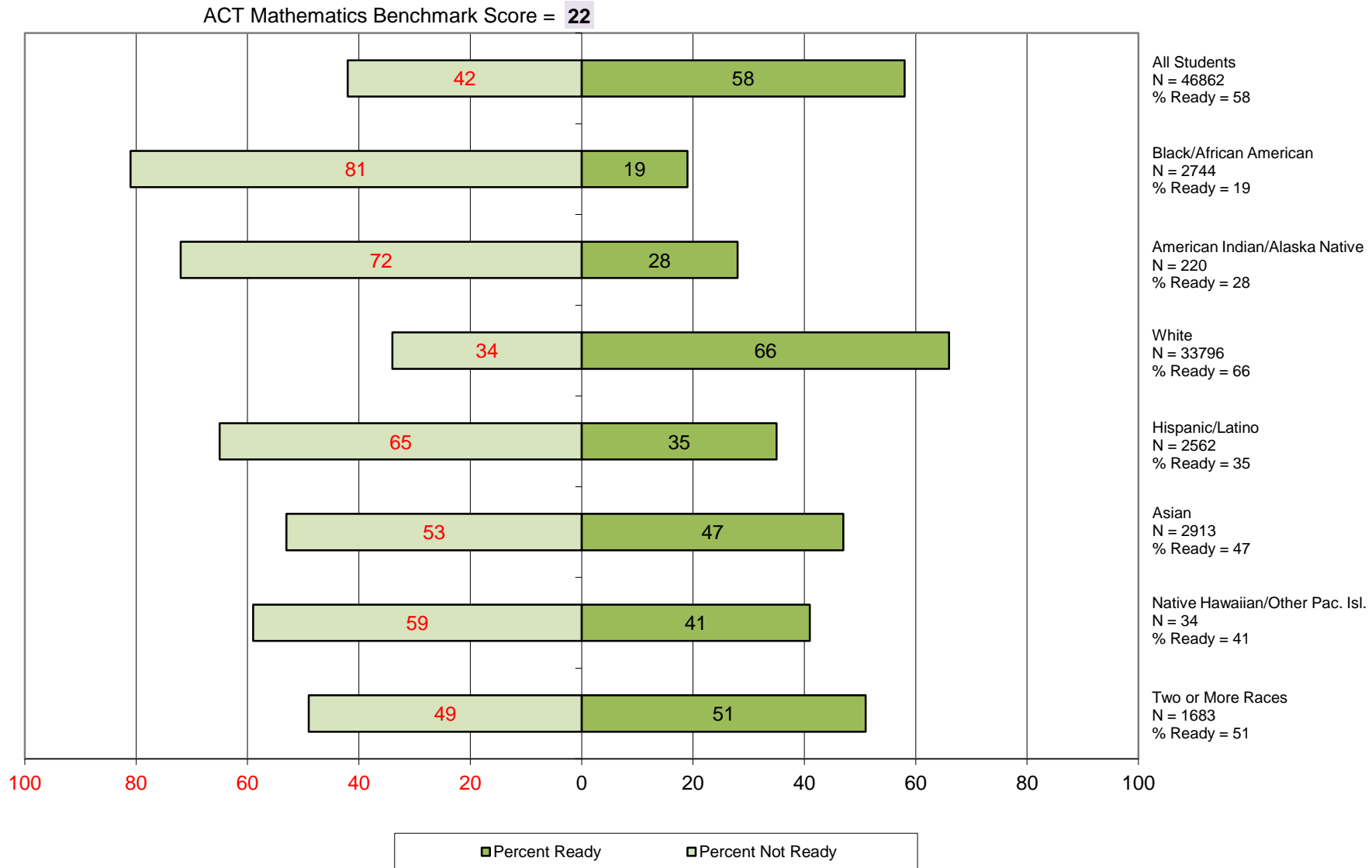


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

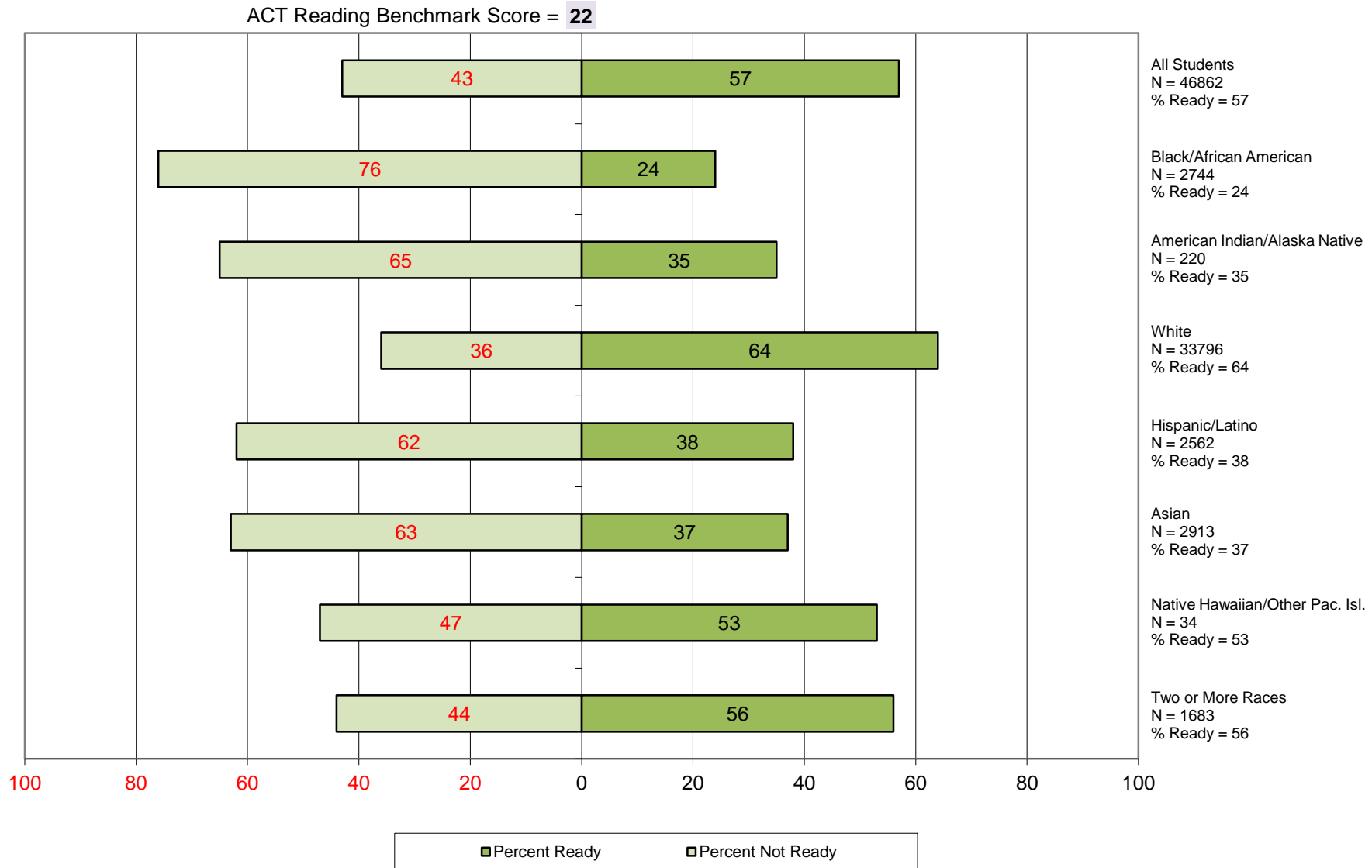


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

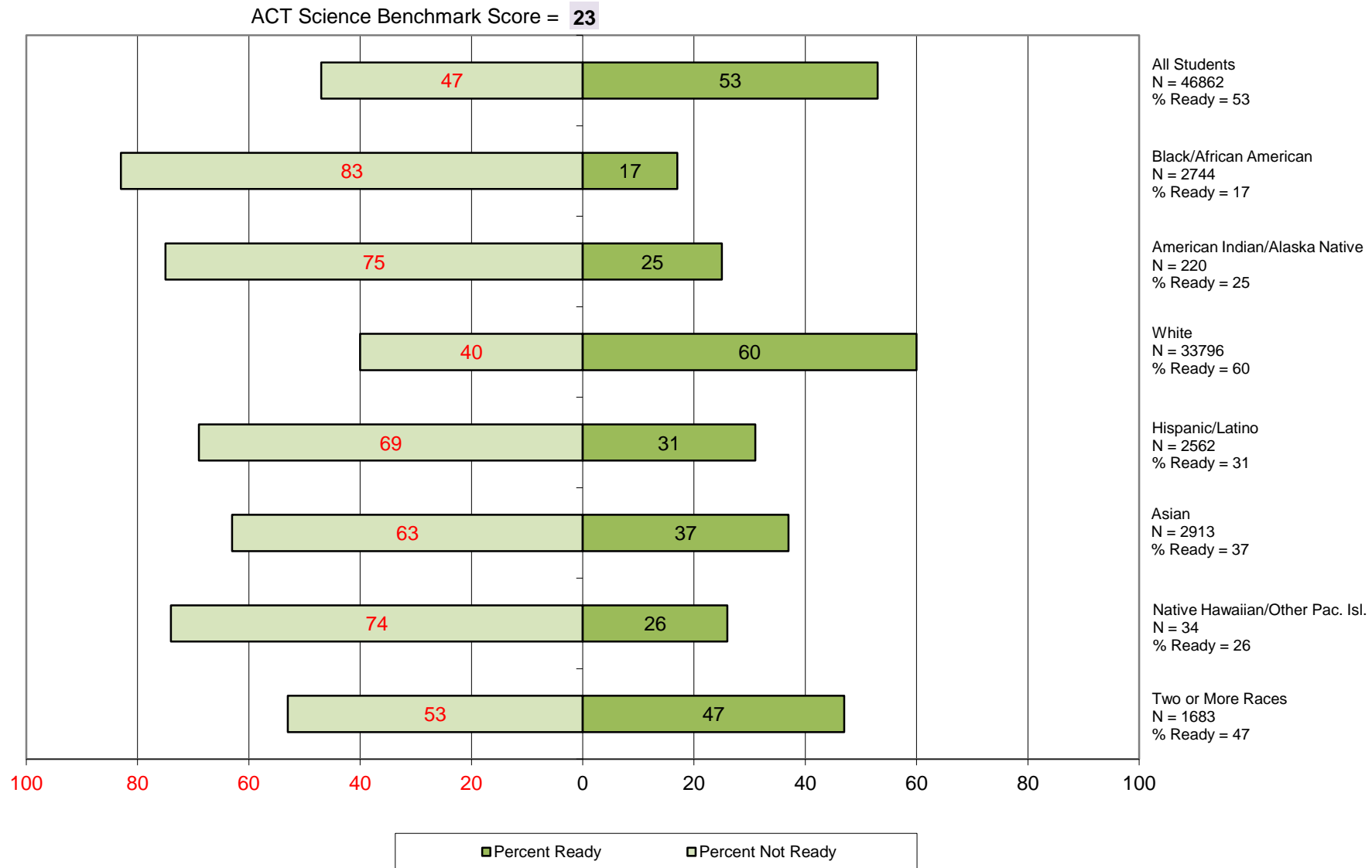
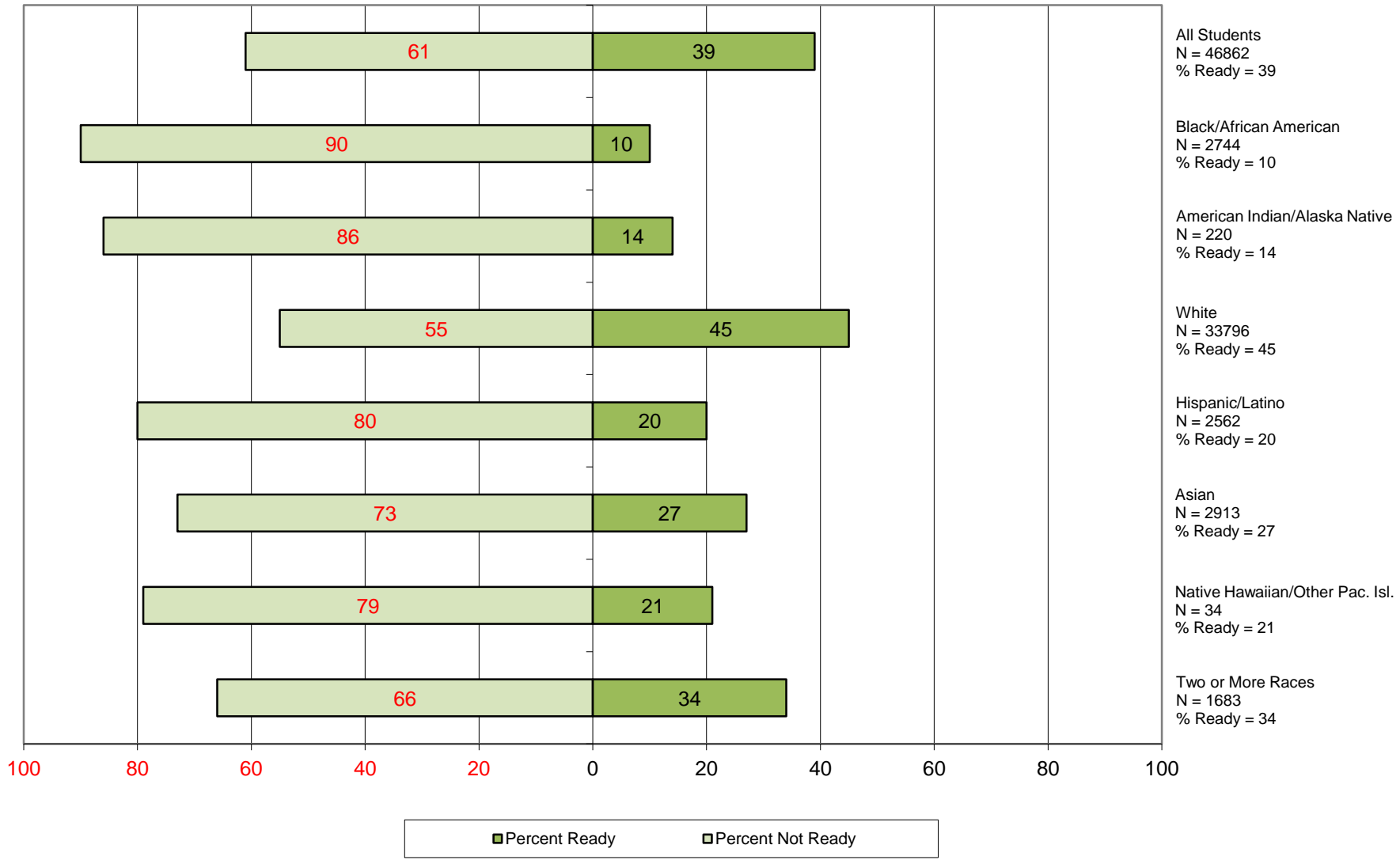


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 46,862

**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	14,091	30	22.6	5.1	5,973	28	22.3	5.3	8,102	33	22.8	4.5
Eng 9, Eng 10, Eng 11, Eng 12	29,556	63	22.0	4.5	14,188	66	21.9	4.9	15,299	62	22.2	3.9
Less than 4 years of English	1,093	2	17.5	-	545	3	17.0	-	516	2	18.3	-
Zero years / no English courses reported	2,122	5	15.8	-	895	4	16.5	-	692	3	16.6	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	3,145	7	24.9	7.1	1,485	7	25.8	8.0	1,656	7	24.1	6.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,902	10	22.6	4.8	1,929	9	23.3	5.5	2,967	12	22.2	4.4
Alg 1, Alg 2, Geom, & Trig	2,264	5	20.6	2.8	1,022	5	21.2	3.4	1,229	5	20.1	2.3
Alg 1, Alg 2, Geom, & Other Adv Math	7,734	17	20.9	3.1	2,998	14	21.4	3.6	4,712	19	20.6	2.8
Other comb of 4 or more years of Math	19,879	42	25.2	7.4	10,180	47	25.9	8.1	9,684	39	24.4	6.6
Alg 1, Alg 2, & Geom	4,321	9	18.3	0.5	1,908	9	18.8	1.0	2,379	10	17.9	0.1
Other comb of 3 or 3.5 years of Math	1,767	4	21.9	4.1	846	4	22.4	4.6	917	4	21.5	3.7
Less than 3 years of Math	683	1	17.8	-	311	1	17.8	-	358	1	17.8	-
Zero years / no Math courses reported	2,167	5	18.0	-	922	4	18.7	-	707	3	17.8	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	378	1	24.9	3.1	200	1	24.8	3.2	178	1	25.1	2.8
Other comb of 4 or more years Social Science	33,495	71	23.3	1.5	15,135	70	23.5	1.9	18,317	74	23.1	0.8
US Hist, World Hist, & Am Gov	409	1	22.5	0.7	224	1	22.5	0.9	184	1	22.6	0.3
Other comb of 3 or 3.5 years of Social Science	8,529	18	23.5	1.7	4,185	19	23.7	2.1	4,312	18	23.4	1.1
Less than 3 years of Social Science	1,886	4	21.8	-	929	4	21.6	-	919	4	22.3	-
Zero years / no Social Science courses reported	2,165	5	18.2	-	928	4	18.9	-	699	3	18.8	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	27,877	59	23.7	4.0	13,968	65	24.5	4.6	13,865	56	23.0	3.3
Bio, Chem, Phys	1,946	4	23.5	3.8	898	4	24.3	4.4	1,038	4	22.9	3.2
Gen Sci <sup>2</sup> , Bio, Chem	12,563	27	21.5	1.8	4,630	21	21.7	1.8	7,894	32	21.4	1.7
Other comb of 3 years of Natural Science	1,300	3	21.4	1.7	725	3	22.0	2.1	566	2	20.9	1.2
Less than 3 years of Natural Science	1,010	2	19.7	-	457	2	19.9	-	541	2	19.7	-
Zero years / no Natural Science courses reported	2,166	5	18.0	-	923	4	19.0	-	705	3	18.2	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

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

Total Students in Report: 46,862

**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	14,091	30	22.6	79	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	29,556	63	22.0	75	1,359,318	71	20.6	65
Less than 4 years of English	1,093	2	17.5	48	93,944	5	15.9	36
Zero years / no English courses reported	2,122	5	15.8	35	98,029	5	16.5	40
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	3,145	7	24.9	77	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,902	10	22.6	62	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	2,264	5	20.6	42	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	7,734	17	20.9	44	362,476	19	19.4	30
Other comb of 4 or more years of Math	19,879	42	25.2	77	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	4,321	9	18.3	19	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	1,767	4	21.9	51	95,502	5	19.8	34
Less than 3 years of Math	683	1	17.8	18	78,951	4	16.3	8
Zero years / no Math courses reported	2,167	5	18.0	21	102,364	5	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	378	1	24.9	68	48,944	3	22.3	51
Other comb of 4 or more years Social Science	33,495	71	23.3	59	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	409	1	22.5	55	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	8,529	18	23.5	59	527,956	27	21.4	46
Less than 3 years of Social Science	1,886	4	21.8	48	194,720	10	19.5	34
Zero years / no Social Science courses reported	2,165	5	18.2	26	102,027	5	18.1	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	27,877	59	23.7	61	807,744	42	22.2	48
Bio, Chem, Phys	1,946	4	23.5	58	217,893	11	23.2	55
Gen Sci <sup>1</sup> , Bio, Chem	12,563	27	21.5	42	512,754	27	20.1	30
Other comb of 3 years of Natural Science	1,300	3	21.4	41	54,439	3	19.1	24
Less than 3 years of Natural Science	1,010	2	19.7	27	227,926	12	18.1	18
Zero years / no Natural Science courses reported	2,166	5	18.0	22	103,680	5	18.0	20

<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: 46,862

**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	990	2	21.3	82	5	17.8	846	2	21.7
Architecture	378	1	22.3	7	0	18.3	346	1	22.5
Area, Ethnic, & Multidisciplinary Studies	57	0	22.2	4	0	12.3	47	0	23.9
Arts: Visual & Performing	2,155	5	22.0	140	8	18.2	1,842	5	22.4
Business	4,614	10	22.6	171	10	17.9	4,181	10	22.9
Communications	732	2	22.9	11	1	17.9	690	2	23.0
Community, Family, & Personal Services	929	2	19.6	92	5	17.0	780	2	20.0
Computer Science & Mathematics	1,526	3	24.7	59	3	18.9	1,345	3	25.1
Education	2,504	5	21.9	40	2	17.6	2,364	6	22.0
Engineering	3,866	8	25.5	58	3	18.1	3,584	9	25.8
Engineering Technology & Drafting	530	1	21.3	48	3	18.3	444	1	21.8
English & Foreign Languages	585	1	24.7	8	0	17.3	539	1	24.9
Health Administration & Assisting	1,196	3	19.5	68	4	17.3	1,021	3	19.9
Health Sciences & Technologies	7,392	16	22.6	183	11	18.2	6,866	17	22.9
Philosophy, Religion, & Theology	222	0	22.8	2	0	19.5	201	1	23.1
Repair, Production, & Construction	457	1	19.4	237	14	18.9	184	0	20.2
Sciences: Biological & Physical	3,385	7	25.3	17	1	18.7	3,200	8	25.4
Social Sciences & Law	2,854	6	22.8	43	3	18.0	2,649	7	22.9
Undecided	10,340	22	23.0	369	22	17.8	8,798	22	23.3
No Response	2,135	5	17.3	54	3	14.7	127	0	17.7

<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: 46,862

**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	388	18.1	29	14.4	4	18.3	269	19.1	23	15.7
2-yr College Degree	1,309	17.9	75	14.3	14	16.1	896	18.9	105	16.0
Bachelors Degree	25,451	22.1	1,052	17.2	128	19.1	20,064	22.7	1,270	19.5
Graduate Study	6,855	25.4	302	20.3	20	22.5	5,383	26.0	266	23.0
Prof. Level Degree	7,759	25.2	624	19.9	28	21.6	5,283	26.1	469	22.4
Other	413	19.8	44	16.1	1	13.0	263	21.1	17	17.2
No Response	4,687	19.9	618	15.5	25	17.4	1,638	23.8	412	17.0

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	388	18.1	27	16.3	1	14.0	12	16.8	23	16.3
2-yr College Degree	1,309	17.9	108	15.2	2	13.5	41	16.6	68	16.9
Bachelors Degree	25,451	22.1	1,214	19.5	21	18.4	874	21.3	828	22.0
Graduate Study	6,855	25.4	342	24.1	4	24.0	246	24.7	292	25.2
Prof. Level Degree	7,759	25.2	633	24.7	1	33.0	340	25.0	381	25.8
Other	413	19.8	41	16.6	0	.	15	19.3	32	20.3
No Response	4,687	19.9	548	18.1	5	25.8	155	19.5	1,286	19.0

Total Students in Report: 46,862

**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	9,940	4,289	5,651	1	6	15	25	29	21	4
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	5,678	1,794	3,884	1	3	17	36	29	13	1
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	4,639	1,481	3,158	1	8	29	36	20	5	0
ST CLOUD STATE UNIVERSITY	Minnesota	3,414	992	2,422	1	9	28	35	19	7	0
NORTH DAKOTA STATE UNIVERSITY	North Dakota	3,377	1,014	2,363	0	3	17	33	30	14	2
WINONA STATE UNIVERSITY	Minnesota	2,935	884	2,051	1	5	24	40	24	6	0
UNIV OF WISCONSIN-MADISON	Wisconsin	2,607	653	1,954	0	1	6	17	33	35	7
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	2,158	516	1,642	1	5	14	28	31	20	2
BEMIDJI STATE UNIVERSITY	Minnesota	2,060	693	1,367	0	6	30	38	20	5	0
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,022	601	1,421	0	3	16	35	30	14	1
IOWA STATE UNIVERSITY	Iowa	1,439	356	1,083	0	2	8	27	33	26	4
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,263	283	980	0	2	14	39	31	12	1
AUGSBURG COLLEGE	Minnesota	1,209	303	906	4	18	31	24	15	8	1
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	1,189	353	836	0	5	26	35	24	9	1
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	1,162	392	770	0	3	20	37	27	12	1
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,053	284	769	0	5	27	37	21	8	1
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	1,023	298	725	0	3	18	34	26	17	2
HAMLIN UNIVERSITY	Minnesota	1,011	221	790	2	9	23	28	23	14	1
BETHEL UNIVERSITY	Minnesota	978	318	660	1	5	16	32	26	17	2
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	905	221	684	0	3	12	25	33	24	3
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	872	174	698	0	3	13	36	34	13	1
COLLEGE POSSIBLE-TWIN CITIES	Minnesota	796	624	172	3	24	42	22	8	1	0
UNIV OF WISCONSIN-STOUT	Wisconsin	755	248	507	1	5	20	40	24	10	0
ST OLAF COLLEGE	Minnesota	753	187	566	1	4	9	18	29	33	6
COLLEGE OF SAINT SCHOLASTICA	Minnesota	724	211	513	0	3	16	38	29	13	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	722	223	499	0	2	13	31	31	20	2
ST CATHERINE UNIVERSITY	Minnesota	714	172	542	3	12	27	29	20	9	0
UNIVERSITY OF NORTHWESTERN-ST PAUL	Minnesota	701	257	444	0	4	16	29	30	20	1
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	684	212	472	1	8	27	38	20	6	0
CONCORDIA UNIV-SAINT PAUL	Minnesota	590	129	461	4	16	30	28	16	6	0
All Other Institutions		32,675	9,279	23,396	2	8	19	24	23	18	5
<b>Total</b>		<b>90,048</b>	<b>27,662</b>	<b>62,386</b>	<b>1</b>	<b>7</b>	<b>19</b>	<b>29</b>	<b>25</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: 46,862

**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>28,049</b>	<b>1,108,908</b>	<b>22.5</b>	<b>21.0</b>	<b>7.1</b>	<b>6.9</b>	<b>21.5</b>	<b>20.2</b>
Black/African American	1,775	136,380	16.6	16.3	6.3	6.0	16.4	15.9
American Indian/Alaska Native	126	7,142	18.0	16.5	6.3	5.9	17.5	16.0
White	19,097	567,060	24.0	22.8	7.3	7.1	22.8	21.8
Hispanic/Latino	1,637	196,970	19.0	18.4	6.8	6.7	18.7	18.1
Asian	2,296	68,736	19.2	23.9	6.9	7.6	18.9	23.0
Native Hawaiian/Other Pac. Isl.	22	4,070	17.8	18.0	6.3	6.5	17.3	17.6
Two or more races	1,100	45,517	21.8	21.3	7.0	6.9	20.8	20.4
Prefer not/No Response	1,996	83,033	20.7	20.8	6.6	6.7	19.7	19.9
Males	12,717	507,737	22.5	20.7	6.9	6.6	21.3	19.7
Females	14,765	590,537	22.8	21.4	7.4	7.1	22.0	20.8
Missing	567	10,634	13.6	16.0	5.2	5.6	13.3	15.4





