

# ACT Profile Report - State

Graduating Class 2010  
Minnesota



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This report provides information about the performance of your 2010 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 2010 and tested under standard time conditions.

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 meeting or exceeding 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 are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

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

## How to Improve Scores and Increase College Readiness

35% 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:** 44,323 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. 85% 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 3% of the cohort took less than three years of math courses. Of these students, 19% were college ready. 11% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 24% of these students were college ready. In comparison, 67% 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 8% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 44% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES:** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 29% 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.

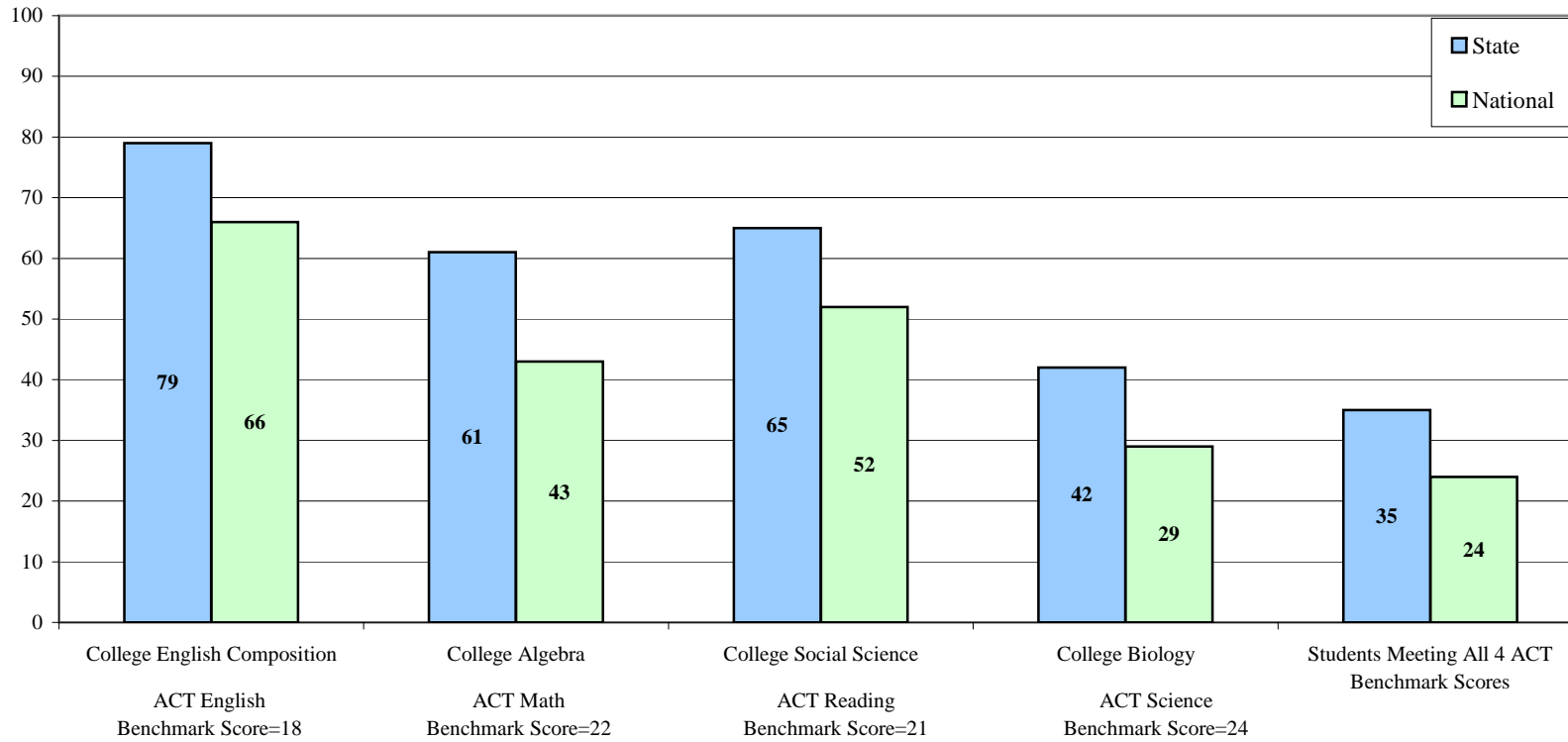
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

# Section I

## Executive Summary

Total Students in Report: 44,323

**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: 44,323

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

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2006	41,650	1,206,455	76	69	52	42	62	53	37	27	28	21
2007	43,534	1,300,599	78	69	56	43	62	53	38	28	31	23
2008	44,863	1,421,941	77	68	56	43	64	53	40	28	32	22
2009	43,642	1,480,469	78	67	57	42	65	53	39	28	32	23
<b>2010</b>	<b>44,323</b>	<b>1,568,835</b>	<b>79</b>	<b>66</b>	<b>61</b>	<b>43</b>	<b>65</b>	<b>52</b>	<b>42</b>	<b>29</b>	<b>35</b>	<b>24</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
2006	41,650	1,206,455	21.6	20.6	22.1	20.8	22.6	21.4	22.3	20.9	22.3	21.1
2007	43,534	1,300,599	21.8	20.7	22.5	21.0	22.8	21.5	22.5	21.0	22.5	21.2
2008	44,863	1,421,941	21.9	20.6	22.6	21.0	23.0	21.4	22.5	20.8	22.6	21.1
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
<b>2010</b>	<b>44,323</b>	<b>1,568,835</b>	<b>22.3</b>	<b>20.5</b>	<b>22.9</b>	<b>21.0</b>	<b>23.2</b>	<b>21.3</b>	<b>22.8</b>	<b>20.9</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				
		English	Mathematics	Reading	Science	Composite
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
<b>2010</b>	<b>1,568,835</b>	<b>20.5</b>	<b>21.0</b>	<b>21.3</b>	<b>20.9</b>	<b>21.0</b>

Total Students in Report: 44,323

**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
2006	24,263	12,426	58	30	22.4	20.0	22.9	20.5	23.3	21.3	22.9	21.2	23.0	20.9
2007	23,486	13,094	54	30	22.6	20.4	23.3	21.1	23.5	21.6	23.1	21.4	23.3	21.3
2008	29,929	10,196	67	23	22.4	20.4	23.1	21.0	23.4	21.9	22.9	21.3	23.1	21.3
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
<b>2010</b>	<b>37,587</b>	<b>6,344</b>	<b>85</b>	<b>14</b>	<b>22.7</b>	<b>19.8</b>	<b>23.4</b>	<b>20.5</b>	<b>23.5</b>	<b>21.1</b>	<b>23.1</b>	<b>20.8</b>	<b>23.3</b>	<b>20.7</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.

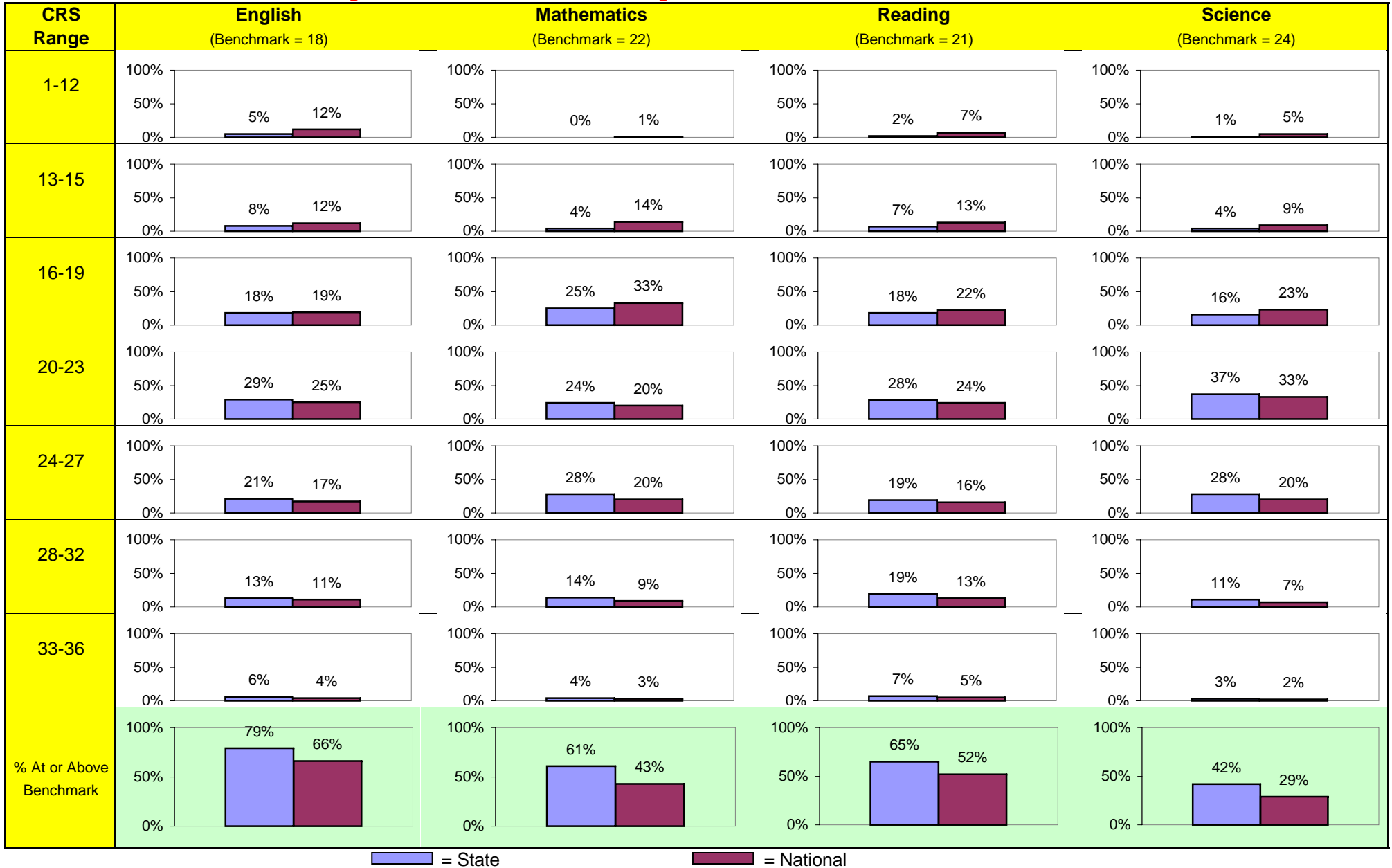
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>41,650</b>	<b>100</b>	<b>22.3</b>	<b>43,534</b>	<b>100</b>	<b>22.5</b>	<b>44,863</b>	<b>100</b>	<b>22.6</b>	<b>43,642</b>	<b>100</b>	<b>22.7</b>	<b>44,323</b>	<b>100</b>	<b>22.9</b>
African American/Black	1,188	3	17.8	1,324	3	17.4	1,629	4	17.6	1,786	4	17.8	1,995	5	17.7
American Indian/Alaska Native	241	1	19.9	290	1	19.7	239	1	20.6	275	1	20.2	307	1	20.5
Caucasian American/White	33,426	80	22.6	32,692	75	22.9	35,010	78	23.0	35,563	81	23.2	36,213	82	23.5
Hispanic	578	1	20.1	681	2	20.5	812	2	20.3	871	2	20.4	976	2	20.0
Asian American/Pacific Islander	1,952	5	20.4	1,939	4	20.4	2,133	5	20.4	2,265	5	20.4	2,375	5	20.8
Other/No Response	4,265	10	22.4	6,608	15	22.8	5,040	11	23.2	2,882	7	22.8	2,457	6	22.5

Total Students in Report: 44,323

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





# Section II

# Academic Achievement

Total Students in Report: 44,323

**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	187	100	152	100	418	100	201	100	24	100	36
35	738	100	446	100	507	99	336	100	185	100	35
34	881	98	596	99	1,056	98	360	99	369	100	34
33	801	96	719	97	969	96	441	98	533	99	33
32	708	94	757	96	1,339	93	268	97	789	97	32
31	915	93	835	94	1,335	90	778	96	1,015	96	31
30	1,244	90	1,236	92	1,759	87	977	95	1,406	93	30
29	1,155	88	1,154	89	1,848	83	1,161	92	1,580	90	29
28	1,798	85	2,054	87	1,945	79	1,505	90	1,990	87	28
27	1,778	81	2,560	82	1,883	75	2,343	86	2,273	82	27
26	2,494	77	2,899	76	1,939	71	2,237	81	2,729	77	26
25	2,468	71	3,135	70	2,459	66	4,100	76	3,146	71	25
24	2,679	66	3,974	63	2,304	61	3,796	67	3,451	64	24
23	2,944	60	3,472	54	3,068	55	4,404	58	3,456	56	23
22	2,928	53	2,877	46	3,187	48	3,700	48	3,664	48	22
21	3,740	46	1,826	39	2,694	41	4,150	40	3,545	40	21
20	3,132	38	2,500	35	3,349	35	4,017	31	3,218	32	20
19	2,626	31	2,522	30	2,331	28	2,450	22	2,823	25	19
18	1,749	25	2,670	24	1,897	22	2,399	16	2,335	18	18
17	1,693	21	3,072	18	2,333	18	1,343	11	1,886	13	17
16	1,969	17	2,807	11	1,508	13	951	8	1,420	9	16
15	1,584	13	1,325	5	1,257	9	873	5	980	6	15
14	1,204	9	527	2	1,241	7	534	3	696	3	14
13	587	7	134	1	636	4	474	2	445	2	13
12	646	5	51	1	518	2	216	1	253	1	12
11	621	4	18	1	299	1	158	1	78	1	11
10	410	2	4	1	142	1	86	1	26	1	10
9	357	1	1	1	46	1	35	1	5	1	9
8	185	1	0	1	38	1	15	1	3	1	8
7	64	1	0	1	9	1	6	1	0	1	7
6	25	1	0	1	7	1	5	1	0	1	6
5	7	1	0	1	2	1	2	1	0	1	5
4	6	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
<b>Avg (SD)</b>	22.3 (5.9)		22.9 (5.0)		23.2 (5.8)		22.8 (4.6)		22.9 (4.8)		<b>Avg (SD)</b>

<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: 44,323

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		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	2,194	100	703	100	1,542	100	1,707	100	2,636	100	589	100	456	100	18
17	1,934	95	640	98	2,532	97	4,710	96	3,033	94	757	99	656	99	17
16	2,641	91	3,120	97	3,698	91	1,998	86	3,306	87	1,763	97	2,097	97	16
15	2,772	85	4,035	90	3,437	82	4,225	81	3,758	80	2,010	93	3,778	93	15
14	3,029	78	3,761	81	3,669	75	2,858	71	3,867	71	5,279	88	4,864	84	14
13	3,131	72	4,696	72	3,464	66	4,235	65	3,868	63	5,461	77	6,509	73	13
12	3,688	65	5,671	62	4,803	59	4,040	55	4,542	54	5,416	64	5,748	59	12
11	4,150	56	6,293	49	4,604	48	5,140	46	4,606	44	6,939	52	4,869	46	11
10	6,006	47	4,048	35	4,665	37	3,914	35	3,745	33	5,671	36	6,248	35	10
9	4,102	33	4,334	26	4,771	27	2,872	26	3,653	25	5,117	24	3,522	21	9
8	3,110	24	2,823	16	2,965	16	2,727	19	3,545	16	2,810	12	2,653	13	8
7	2,679	17	1,798	9	2,336	9	2,094	13	2,415	8	1,185	6	1,251	7	7
6	2,161	11	776	5	973	4	1,659	9	950	3	524	3	812	4	6
5	1,219	6	779	4	488	2	1,380	5	239	1	456	2	357	2	5
4	885	3	580	2	206	1	456	2	108	1	109	1	221	1	4
3	454	1	221	1	123	1	244	1	36	1	194	1	152	1	3
2	151	1	39	1	41	1	60	1	16	1	1	1	108	1	2
1	17	1	6	1	6	1	4	1	0	1	42	1	22	1	1
Avg (SD)	11.1 (3.7)		11.5 (3.1)		11.9 (3.3)		11.9 (3.6)		12.2 (3.4)		11.5 (2.7)		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	26	28	25	26
Q2 (50th Percentile)	22	23	23	23	23
Q1 (25th Percentile)	18	19	19	20	20

Total Students in Report: 44,323

**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>44,323</b>	<b>85</b>	<b>23.3</b>	<b>20.7</b>
	African American/Black	1,995	78	18.1	16.4
	American Indian/Alaska Native	307	72	21.2	18.7
	Caucasian American/White	36,213	86	23.8	21.2
	Hispanic	976	82	20.4	18.3
	Asian American/Pacific Islander	2,375	85	21.2	19.0
	Other/No Response	2,457	82	23.0	20.2
National	<b>All Students</b>	<b>1,568,835</b>	<b>71</b>	<b>22.0</b>	<b>18.9</b>
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

<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>	22.3	22.9	23.2	22.8	22.9
	African American/Black	16.2	18.0	17.8	18.2	17.7
	American Indian/Alaska Native	19.4	20.4	21.2	20.6	20.5
	Caucasian American/White	22.9	23.4	23.7	23.3	23.5
	Hispanic	18.8	20.2	20.3	20.1	20.0
	Asian American/Pacific Islander	19.4	21.8	20.5	21.1	20.8
	Other/No Response	21.9	22.4	22.8	22.2	22.5
National	<b>All Students</b>	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6



Total Students in Report: 44,323

**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	2,607	6	1,913	4	2,950	7	1,338	3
	28 to 32	5,820	13	6,036	14	8,226	19	4,689	11
	24 to 27	9,419	21	12,568	28	8,585	19	12,476	28
	20 to 23	12,744	29	10,675	24	12,298	28	16,271	37
	16 to 19	8,037	18	11,071	25	8,069	18	7,143	16
	13 to 15	3,375	8	1,986	4	3,134	7	1,881	4
	01 to 12	2,321	5	74	0	1,061	2	525	1
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	20,525	46	21.9	23.7	23.1	23.5	23.2
	Females	23,773	54	22.6	22.3	23.2	22.2	22.7
	Missing	25	0	18.1	21.4	19.4	20.9	20.2
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	77	66	64	48	40
	Females	80	56	65	36	31
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 44,323

**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>	37,587	82	22.7	65	23.4	68	23.5	45	23.1	38	23.3
	Less than Core	6,344	63	19.8	38	20.5	50	21.1	24	20.8	18	20.7
	Missing <sup>3</sup>	392	42	16.7	26	18.5	33	18.3	15	18.8	11	18.2
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

<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 meet 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>	43,090	79	22.4	42,551	62	23.1	42,262	65	23.2	40,458	44	23.0
	Less than Core	959	63	19.5	1,437	19	18.2	1,773	56	22.2	3,549	17	20.0
	Missing <sup>3</sup>	274	43	16.9	335	25	18.5	288	35	18.5	316	16	18.9
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

<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.

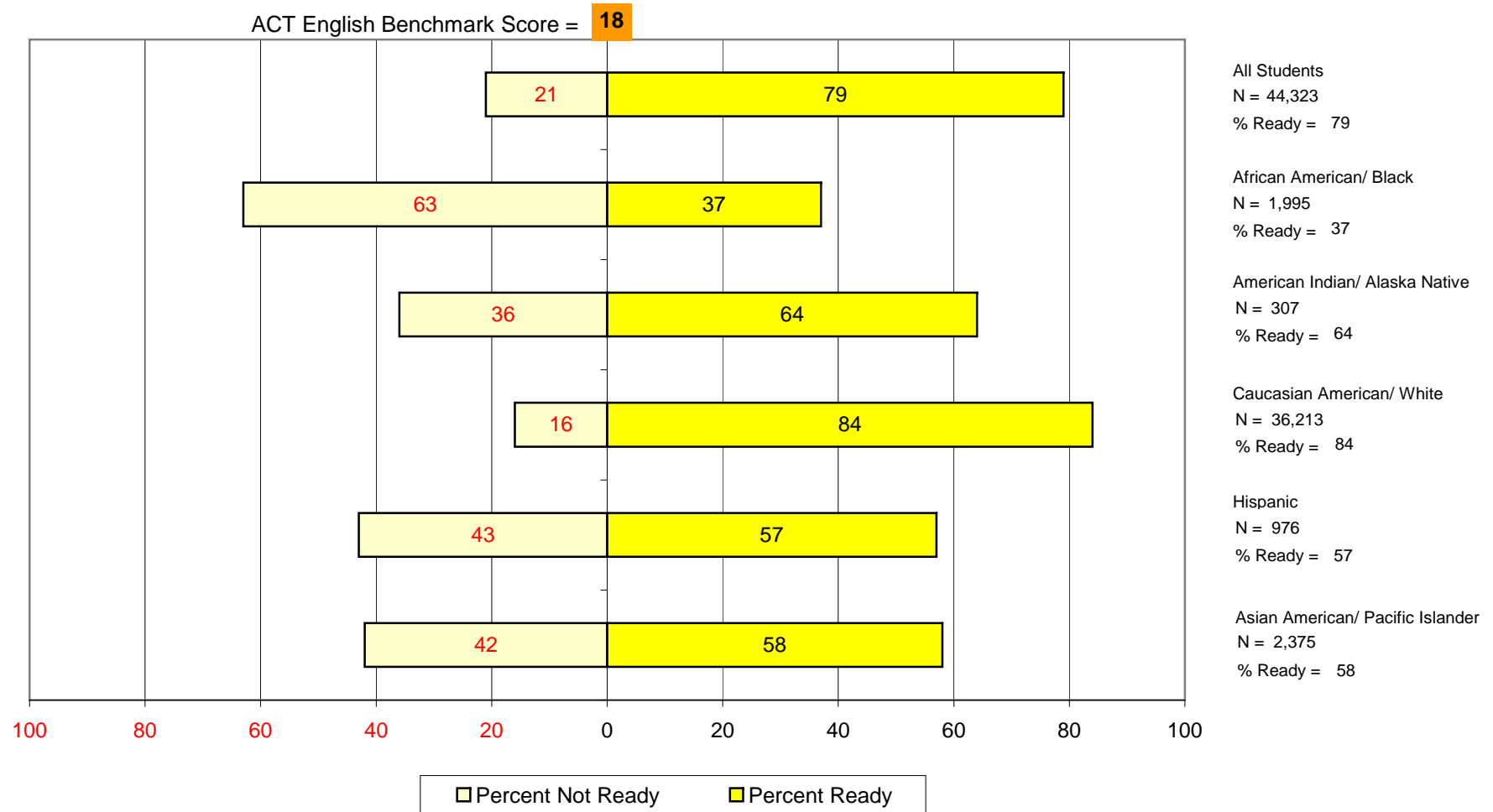
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

## College Readiness and the Impact of Course Rigor

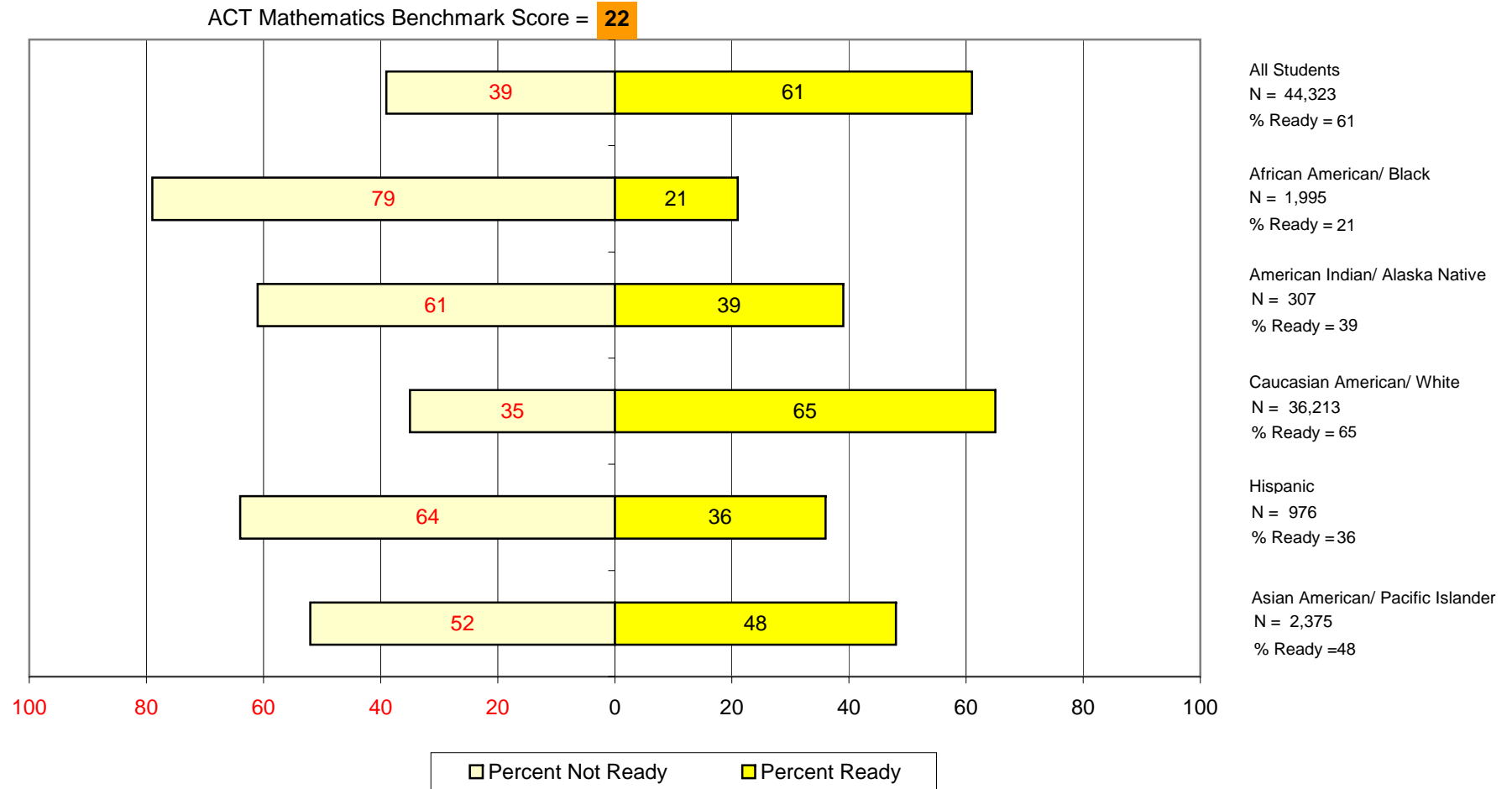
Total Students in Report: 44,323

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



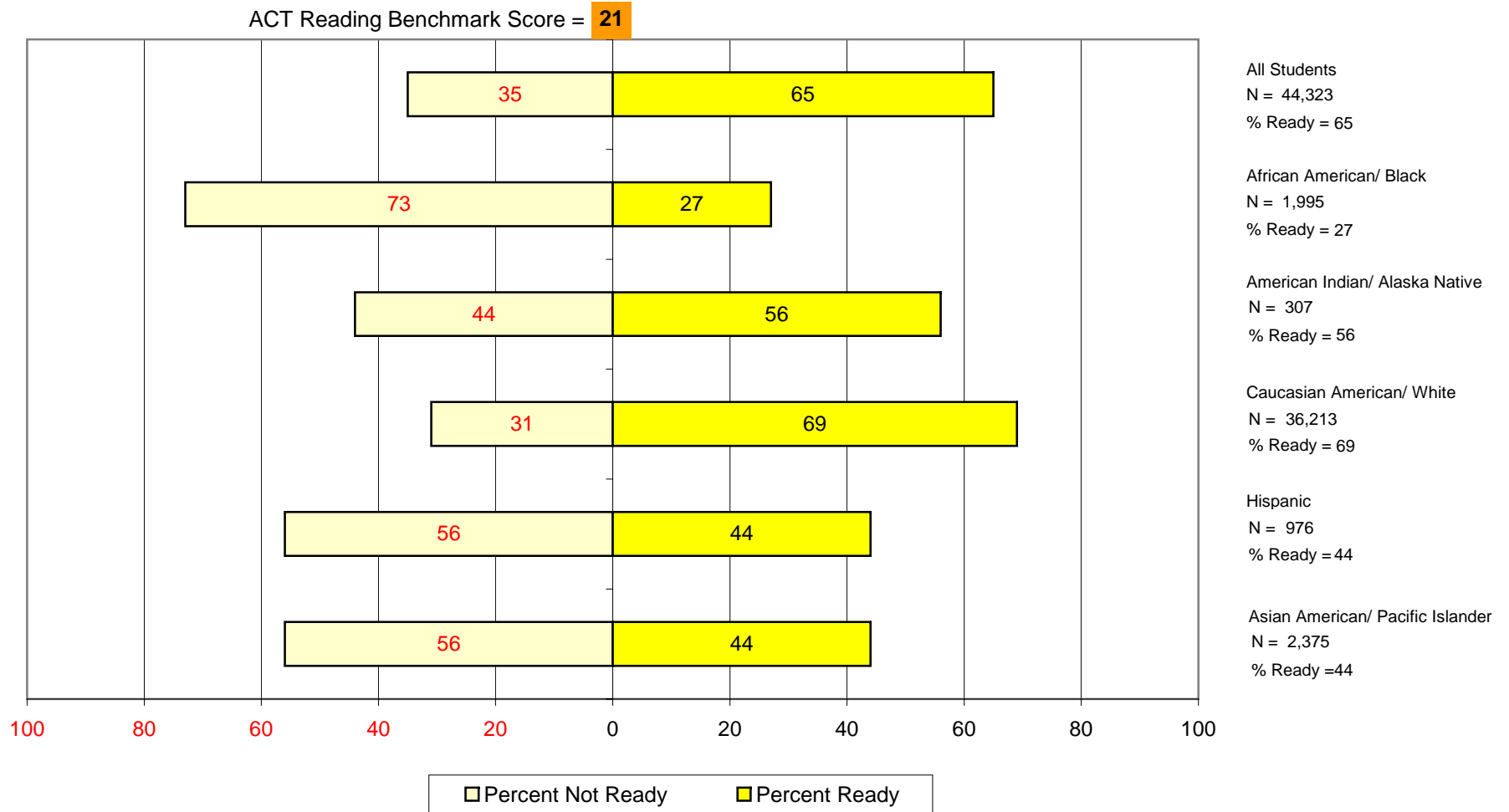
Total Students in Report: 44,323

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



Total Students in Report: 44,323

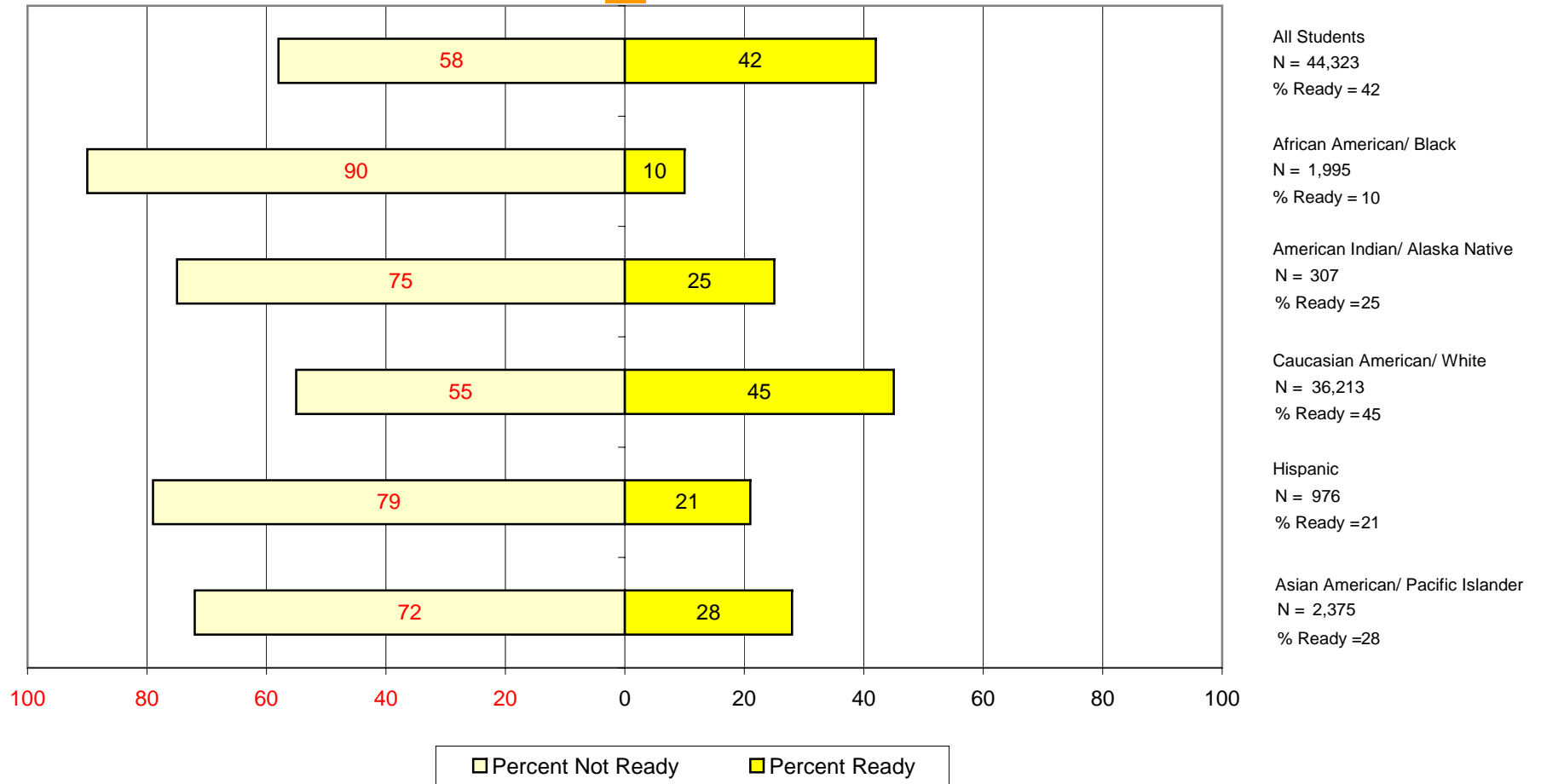
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING**



Total Students in Report: 44,323

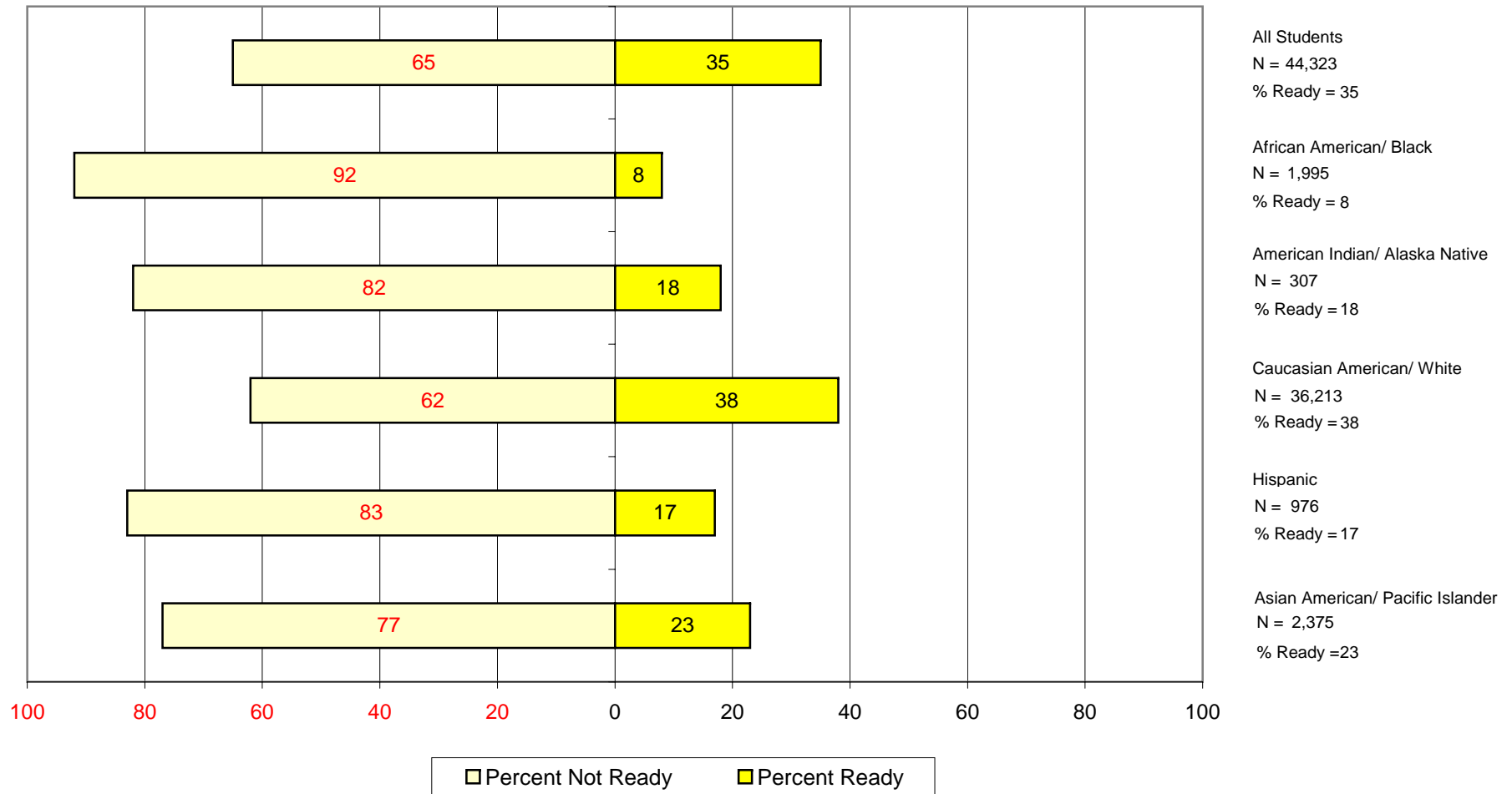
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 44,323

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





Total Students in Report: 44,323

**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	16,315	37	22.8	3.3	6,790	33	22.5	2.9	9,519	40	23.1	3.7
Eng 9, Eng 10, Eng 11, Eng 12	26,775	60	22.1	2.6	13,138	64	21.8	2.2	13,624	57	22.4	3.0
Less than 4 years of English	959	2	19.5	-	456	2	19.6	-	500	2	19.4	-
Zero years / no English courses reported	274	1	16.9	-	141	1	16.4	-	130	1	17.6	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	2,973	7	25.2	7.0	1,394	7	26.0	7.3	1,578	7	24.5	6.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,083	11	22.8	4.6	2,065	10	23.5	4.8	3,017	13	22.4	4.6
Alg 1, Alg 2, Geom, & Trig	2,482	6	20.8	2.6	1,080	5	21.2	2.5	1,401	6	20.4	2.6
Alg 1, Alg 2, Geom, & Other Adv Math	7,236	16	21.3	3.1	2,926	14	21.7	3.0	4,305	18	21.0	3.2
Other comb of 4 or more years of Math	17,955	41	25.2	7.0	9,203	45	25.9	7.2	8,745	37	24.5	6.7
Alg 1, Alg 2, & Geom	4,968	11	18.9	0.7	2,135	10	19.3	0.6	2,829	12	18.5	0.7
Other comb of 3 or 3.5 years of Math	1,854	4	21.9	3.7	910	4	22.5	3.8	942	4	21.4	3.6
Less than 3 years of Math	1,437	3	18.2	-	645	3	18.7	-	791	3	17.8	-
Zero years / no Math courses reported	335	1	18.5	-	167	1	19.1	-	165	1	18.0	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	456	1	24.2	2.0	240	1	23.9	1.8	216	1	24.6	2.3
Other comb of 4 or more years Social Science	32,634	74	23.2	1.0	14,857	72	23.1	1.0	17,767	75	23.2	0.9
US Hist, World Hist, & Am Gov	552	1	22.8	0.6	307	1	22.8	0.7	244	1	22.8	0.5
Other comb of 3 or 3.5 years of Social Science	8,620	19	23.4	1.2	4,080	20	23.2	1.1	4,534	19	23.5	1.2
Less than 3 years of Social Science	1,773	4	22.2	-	896	4	22.1	-	872	4	22.3	-
Zero years / no Social Science courses reported	288	1	18.5	-	145	1	18.1	-	140	1	19.0	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	25,499	58	23.7	3.7	12,732	62	24.4	4.1	12,757	54	23.0	3.2
Bio, Chem, Phys	1,298	3	23.9	3.9	595	3	24.9	4.6	703	3	23.1	3.3
Gen Sci <sup>2</sup> , Bio, Chem	12,376	28	21.8	1.8	4,657	23	22.1	1.8	7,712	32	21.5	1.7
Other comb of 3 years of Natural Science	1,285	3	22.0	2.0	744	4	22.6	2.3	541	2	21.1	1.3
Less than 3 years of Natural Science	3,549	8	20.0	-	1,640	8	20.3	-	1,904	8	19.8	-
Zero years / no Natural Science courses reported	316	1	18.9	-	157	1	19.5	-	156	1	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 and three years of English and non-English content areas, respectively.

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

Total Students in Report: 44,323

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

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	16,315	37	22.8	82	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	26,775	60	22.1	78	1,096,437	70	20.5	66
Less than 4 years of English	959	2	19.5	63	74,180	5	16.4	39
Zero years / no English courses reported	274	1	16.9	43	43,106	3	15.7	34
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,973	7	25.2	79	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,083	11	22.8	65	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	2,482	6	20.8	45	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	7,236	16	21.3	50	239,289	15	20.0	36
Other comb of 4 or more years of Math	17,955	41	25.2	78	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	4,968	11	18.9	24	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	1,854	4	21.9	52	74,720	5	19.9	35
Less than 3 years of Math	1,437	3	18.2	19	97,949	6	16.4	7
Zero years / no Math courses reported	335	1	18.5	25	47,380	3	17.5	16
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	456	1	24.2	70	47,523	3	22.6	60
Other comb of 4 or more years Social Science	32,634	74	23.2	65	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	552	1	22.8	62	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	8,620	19	23.4	65	439,520	28	21.2	51
Less than 3 years of Social Science	1,773	4	22.2	56	156,679	10	19.5	39
Zero years / no Social Science courses reported	288	1	18.5	35	45,555	3	17.3	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	25,499	58	23.7	51	620,765	40	22.2	40
Bio, Chem, Phys	1,298	3	23.9	52	152,001	10	23.2	48
Gen Sci <sup>1</sup> , Bio, Chem	12,376	28	21.8	31	474,375	30	20.1	21
Other comb of 3 years of Natural Science	1,285	3	22.0	34	43,231	3	19.7	21
Less than 3 years of Natural Science	3,549	8	20.0	17	231,566	15	18.3	12
Zero years / no Natural Science courses reported	316	1	18.9	16	46,897	3	17.4	10

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

# Section IV

## Career and Educational Aspirations

Total Students in Report: 44,323

**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 Sciences & Technologies	672	2	21.0	91	5	18.7	541	1	21.5
Architecture & Environmental Design	761	2	22.5	32	2	18.2	683	2	22.8
Business & Management	4,185	9	22.3	131	7	18.5	3,829	10	22.5
Business & Office	314	1	20.5	27	1	17.8	256	1	20.9
Marketing & Distribution	417	1	22.1	15	1	18.1	385	1	22.3
Communications & Comm. Technologies	899	2	23.3	18	1	19.1	831	2	23.4
Community & Personal Services	996	2	19.9	128	7	18.4	825	2	20.3
Computer & Information Sciences	888	2	23.3	51	3	20.0	766	2	23.8
Cross-Disciplinary Studies	101	0	25.5	1	0	16.0	95	0	25.6
Education	1,704	4	22.1	51	3	17.4	1,569	4	22.4
Teacher Education	1,216	3	21.5	29	2	17.7	1,128	3	21.7
Engineering	1,907	4	25.5	37	2	19.9	1,771	5	25.7
Engineering-Related Technologies	1,485	3	23.9	74	4	18.8	1,341	3	24.3
Foreign Languages	336	1	24.2	13	1	18.8	292	1	24.7
Health Sciences & Allied Health Fields	7,841	18	22.3	380	20	18.5	7,099	18	22.6
Human, Family & Consumer Science	413	1	20.3	51	3	18.8	328	1	20.8
Letters	320	1	25.6	7	0	21.3	297	1	25.8
Mathematics	548	1	25.6	9	0	17.1	515	1	25.9
Philosophy, Religion & Theology	281	1	23.2	3	0	18.7	257	1	23.4
Sciences (Biological & Physical)	3,275	7	25.1	31	2	19.7	3,104	8	25.3
Social Sciences	2,849	6	23.7	38	2	18.9	2,696	7	23.8
Trade & Industrial	390	1	20.0	169	9	19.1	183	0	21.0
Visual & Performing Arts	2,440	6	22.6	121	6	19.0	2,134	5	22.9
Undecided	9,586	22	23.0	396	21	18.7	8,198	21	23.4
No Response	499	1	19.0	17	1	16.7	99	0	20.5

<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: 44,323

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations**

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/ Black		American Indian/ Alaska Native		Caucasian American/White		Hispanic		Asian American/ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	281	19.1	3	13.7	3	15.7	253	19.2	5	16.6	4	16.5	13	19.6
2-yr College Degree	1,639	18.6	91	14.4	23	17.5	1,297	19.2	57	16.6	92	16.2	79	17.2
Bachelors Degree	22,012	22.1	696	17.1	142	20.4	18,944	22.5	407	19.3	888	19.5	935	21.3
Graduate Study	7,030	25.1	214	19.3	29	21.8	5,990	25.5	120	22.3	296	23.3	381	24.1
Prof. Level Degree	10,180	24.5	672	18.9	83	21.8	7,673	25.3	273	21.8	743	23.3	736	24.3
Other	770	20.3	35	16.1	10	17.9	592	20.9	20	18.3	51	17.3	62	20.6
No Response	2,411	21.5	284	16.0	17	20.0	1,464	23.5	94	17.6	301	18.4	251	21.0

Total Students in Report: 44,323

**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	10,320	4,280	6,040	1	4	14	28	31	19	3	
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	6,187	1,837	4,350	0	2	17	38	31	11	1	
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	4,411	1,389	3,022	1	5	26	39	22	5	0	
SAINT CLOUD STATE UNIVERSITY	Minnesota	4,112	1,198	2,914	1	6	27	39	21	6	0	
NORTH DAKOTA STATE UNIVERSITY	North Dakota	2,920	927	1,993	0	3	18	36	28	14	1	
WINONA STATE UNIVERSITY	Minnesota	2,856	810	2,046	0	4	23	39	26	7	0	
UNIV OF WISCONSIN-MADISON	Wisconsin	2,175	549	1,626	0	1	5	19	38	32	5	
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	2,050	414	1,636	1	4	12	28	33	20	2	
BEMIDJI STATE UNIVERSITY	Minnesota	1,996	682	1,314	1	4	26	43	21	6	0	
UNIVERSITY OF NORTH DAKOTA	North Dakota	1,914	559	1,355	0	2	19	37	30	12	1	
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	1,542	393	1,149	1	5	25	39	24	6	0	
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,253	293	960	0	2	13	36	34	13	1	
COLLEGE OF ST BENEDICT/ST JOHN'S UNIV	Minnesota	1,238	425	813	0	1	9	28	36	23	2	
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	1,151	254	897	0	2	10	26	35	24	3	
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,112	280	832	1	4	22	38	26	9	0	
CONCORDIA COLLEGE-MOORHEAD	Minnesota	1,000	283	717	0	1	13	29	33	22	2	
BETHEL UNIVERSITY	Minnesota	974	356	618	0	3	14	29	30	21	3	
SAINT OLAF COLLEGE	Minnesota	959	227	732	0	2	9	19	32	33	6	
IOWA STATE UNIVERSITY	Iowa	924	196	728	0	1	10	25	37	24	3	
AUGSBURG COLLEGE	Minnesota	904	210	694	4	12	24	31	21	8	1	
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	903	280	623	0	3	20	37	29	11	0	
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	897	243	654	0	4	14	31	32	18	1	
COLLEGE OF SAINT SCHOLASTICA	Minnesota	886	267	619	0	3	15	36	33	12	0	
HAMLIN UNIVERSITY	Minnesota	827	169	658	2	8	18	31	25	14	1	
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	827	174	653	0	2	13	34	35	15	1	
NORTHWESTERN COLLEGE	Minnesota	810	288	522	0	2	15	33	26	21	2	
UNIV OF WISCONSIN-STOUT	Wisconsin	796	217	579	0	4	22	44	24	5	0	
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	778	257	521	1	7	27	35	24	6	0	
ADMISSION POSSIBLE	Minnesota	668	632	36	6	27	42	18	6	1	0	
NORMANDEALE COMMUNITY COLLEGE	Minnesota	558	202	356	4	11	30	33	15	7	1	
All Other Institutions		29,508	7,751	21,757	1	6	19	28	25	18	4	
<b>Total</b>		<b>87,456</b>	<b>26,042</b>	<b>61,414</b>	<b>1</b>	<b>5</b>	<b>18</b>	<b>32</b>	<b>27</b>	<b>15</b>	<b>2</b>	

# Section V Optional Writing Test Results

Total Students in Report: 44,323

**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
<b>All Students</b>	<b>30,341</b>	<b>869,014</b>	<b>22.9</b>	<b>21.4</b>	<b>7.3</b>	<b>7.1</b>	<b>22.0</b>	<b>20.8</b>
African American/Black	1,527	107,638	16.3	16.4	6.4	6.4	16.4	16.4
American Indian/Alaska Native	220	6,232	19.8	18.9	6.7	6.6	19.2	18.4
Caucasian American/White	24,065	518,004	23.7	23.0	7.4	7.3	22.6	22.1
Hispanic	712	101,126	19.3	18.1	7.0	6.9	19.1	18.1
Asian American/Pacific Islander	1,971	49,922	19.7	23.6	7.2	7.7	19.6	22.9
Other/No Response	1,846	86,092	22.6	21.0	7.3	7.1	21.7	20.4
Males	13,694	384,152	22.6	21.1	7.0	6.9	21.5	20.3
Females	16,627	484,023	23.1	21.7	7.5	7.3	22.3	21.2
Missing	20	839	18.6	16.8	6.6	6.3	18.2	16.6





