

# ACT High School Profile Report

The Graduating Class of 2007  
Minnesota





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This report provides information about the performance of your 2007 graduating seniors who took the ACT as sophomores, juniors, or seniors.

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, the graduating class data for a school, district, state, and the nation 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, state, or the nation.

Further, 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.

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

31% of 2007 graduates 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.** 43,534 ACT-tested graduates 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. 54% 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 11% of the cohort took less than three years of math courses. Of these students, 34% were college ready. 12% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 25% of these students were college ready. In comparison, 66% of the students who advanced beyond minimum core 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 13% of the cohort took less than three years of natural science courses. 23% of these students were college ready. In comparison, 41% 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 32% 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).

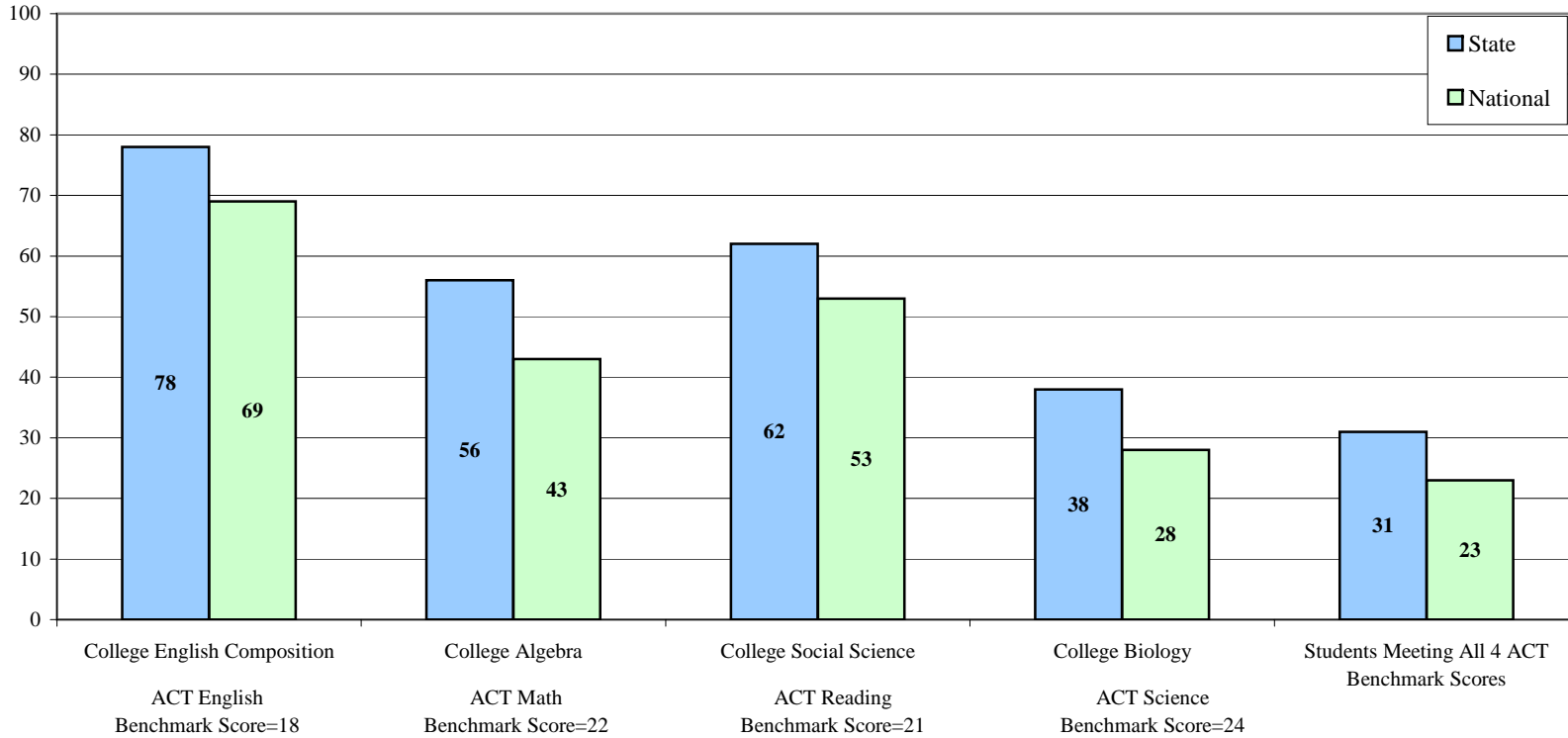
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic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

**Figure 1.1. Percent of ACT-Tested 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.**



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

Grad 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
2003	42,892	1,175,059	75	67	49	40	61	52	35	26	27	20
2004	42,163	1,171,460	76	68	51	40	61	52	36	26	28	21
2005	41,646	1,186,251	76	68	53	41	61	51	37	26	29	21
2006	41,650	1,206,455	76	69	52	42	62	53	37	27	28	21
<b>2007</b>	<b>43,534</b>	<b>1,300,599</b>	<b>78</b>	<b>69</b>	<b>56</b>	<b>43</b>	<b>62</b>	<b>53</b>	<b>38</b>	<b>28</b>	<b>31</b>	<b>23</b>

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

Grad 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
2003	42,892	1,175,059	21.2	20.3	21.8	20.6	22.4	21.2	22.2	20.8	22.0	20.8
2004	42,163	1,171,460	21.4	20.4	22.0	20.7	22.6	21.3	22.3	20.9	22.2	20.9
2005	41,646	1,186,251	21.6	20.4	22.1	20.7	22.7	21.3	22.4	20.9	22.3	20.9
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
<b>2007</b>	<b>43,534</b>	<b>1,300,599</b>	<b>21.8</b>	<b>20.7</b>	<b>22.5</b>	<b>21.0</b>	<b>22.8</b>	<b>21.5</b>	<b>22.5</b>	<b>21.0</b>	<b>22.5</b>	<b>21.2</b>

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

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
<b>2007</b>	<b>1,300,599</b>	<b>20.7</b>	<b>21.0</b>	<b>21.5</b>	<b>21.0</b>	<b>21.2</b>

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

Grad Year	Number of Students Tested		Percent <sup>1</sup>		Average ACT Scores									
	Core or More	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
2003	27,557	12,415	64	29	22.0	19.3	22.7	19.8	23.2	20.8	22.9	20.8	22.8	20.3
2004	26,465	12,199	63	29	22.2	19.6	22.8	20.1	23.3	21.1	22.9	20.9	22.9	20.6
2005	25,926	11,868	62	28	22.3	19.9	22.9	20.5	23.3	21.2	23.0	21.1	23.0	20.8
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
<b>2007</b>	<b>23,486</b>	<b>13,094</b>	<b>54</b>	<b>30</b>	<b>22.6</b>	<b>20.4</b>	<b>23.3</b>	<b>21.1</b>	<b>23.5</b>	<b>21.6</b>	<b>23.1</b>	<b>21.4</b>	<b>23.3</b>	<b>21.3</b>

<sup>1</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity**

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>42,892</b>	<b>100</b>	<b>22.0</b>	<b>42,163</b>	<b>100</b>	<b>22.2</b>	<b>41,646</b>	<b>100</b>	<b>22.3</b>	<b>41,650</b>	<b>100</b>	<b>22.3</b>	<b>43,534</b>	<b>100</b>	<b>22.5</b>
African American/Black	1,162	3	17.0	1,114	3	17.5	1,137	3	17.6	1,188	3	17.8	1,324	3	17.4
American Indian/Alaska Native	174	0	19.7	211	1	19.6	202	0	20.0	241	1	19.9	290	1	19.7
Caucasian American/White	36,110	84	22.3	35,130	83	22.5	34,579	83	22.6	33,426	80	22.6	32,692	75	22.9
Hispanic	518	1	20.1	553	1	20.1	609	1	20.4	578	1	20.1	681	2	20.5
Asian American/Pacific Islander	1,950	5	19.9	2,009	5	20.3	1,910	5	20.3	1,952	5	20.4	1,939	4	20.4
Other/No Response	2,978	7	22.2	3,146	7	22.6	3,209	8	22.8	4,265	10	22.4	6,608	15	22.8

# Section II

# Academic Achievement

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
36	59	100	115	100	256	100	147	100	11	100	36
35	477	100	290	100	536	99	461	100	114	100	35
34	623	99	389	99	776	98	179	99	239	100	34
33	578	97	474	98	940	96	518	98	417	99	33
32	638	96	607	97	1,012	94	405	97	618	98	32
31	814	95	998	96	1,406	92	476	96	872	97	31
30	886	93	809	93	1,401	89	921	95	1,160	95	30
29	1,241	91	1,655	92	1,460	85	954	93	1,377	92	29
28	1,709	88	1,504	88	2,524	82	1,195	91	1,730	89	28
27	1,581	84	2,331	84	1,828	76	1,472	88	2,160	85	27
26	2,179	80	2,900	79	1,898	72	2,798	85	2,619	80	26
25	2,807	75	3,279	72	1,987	68	3,236	78	2,910	74	25
24	2,415	69	3,338	65	2,862	63	3,819	71	3,360	67	24
23	2,651	63	2,716	57	3,407	57	3,894	62	3,461	60	23
22	3,325	57	2,798	51	2,172	49	4,837	53	3,688	52	22
21	3,418	50	2,741	44	2,669	44	3,997	42	3,786	43	21
20	3,525	42	2,595	38	3,199	38	4,211	33	3,317	34	20
19	2,820	34	2,770	32	2,782	30	2,843	23	3,021	27	19
18	2,174	27	2,820	26	1,813	24	2,711	16	2,653	20	18
17	1,675	22	2,933	19	2,156	20	1,455	10	2,014	14	17
16	2,229	18	3,152	13	1,903	15	798	7	1,578	9	16
15	1,708	13	1,445	5	1,371	10	691	5	1,077	6	15
14	1,316	9	635	2	1,334	7	494	3	647	3	14
13	735	6	173	1	763	4	345	2	393	2	13
12	632	4	47	1	639	2	279	2	221	1	12
11	462	3	12	1	253	1	207	1	68	1	11
10	329	2	5	1	108	1	117	1	14	1	10
9	211	1	1	1	37	1	41	1	5	1	9
8	212	1	0	1	22	1	24	1	2	1	8
7	74	1	0	1	6	1	3	1	2	1	7
6	20	1	1	1	4	1	3	1	0	1	6
5	7	1	0	1	4	1	2	1	0	1	5
4	3	1	1	1	0	1	1	1	0	1	4
3	0	1	0	1	2	1	0	1	0	1	3
2	1	1	0	1	3	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	1
Avg (SD)	21.8 (5.6)		22.5 (4.9)		22.8 (5.8)		22.5 (4.5)		22.5 (4.6)		Avg (SD)

<sup>1</sup>Note: CP is the cumulative percent of students at or below a score point. Also, shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

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

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 <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	1,215	100	359	100	1,007	100	1,665	100	1,497	100	575	100	689	100	18
17	2,318	97	996	99	2,668	98	2,490	96	2,270	97	634	99	259	98	17
16	1,998	92	1,994	97	3,270	92	3,223	90	3,131	91	1,332	97	1,665	98	16
15	1,819	87	3,547	92	2,833	84	3,738	83	3,333	84	2,384	94	3,010	94	15
14	3,534	83	3,769	84	3,406	78	4,012	74	3,894	76	4,009	89	4,738	87	14
13	3,362	75	4,243	76	3,260	70	3,970	65	5,797	68	6,285	79	5,243	76	13
12	4,218	67	5,053	66	5,425	62	4,084	56	3,841	54	4,706	65	6,169	64	12
11	4,393	58	6,857	54	5,734	50	3,612	47	3,877	45	5,663	54	5,572	50	11
10	5,168	47	5,005	38	3,845	37	4,521	38	4,654	37	6,928	41	6,222	37	10
9	3,945	36	4,092	27	3,721	28	3,299	28	2,843	26	4,723	25	4,560	23	9
8	4,235	27	3,473	18	4,236	19	2,594	20	3,671	19	2,854	14	2,353	12	8
7	2,686	17	1,836	10	1,797	9	2,110	15	3,324	11	1,507	8	1,533	7	7
6	1,914	11	1,120	5	1,117	5	2,414	10	998	3	1,081	4	719	3	6
5	1,459	6	657	3	559	3	1,103	4	258	1	504	2	261	2	5
4	783	3	399	1	417	2	563	2	96	1	110	1	309	1	4
3	355	1	102	1	173	1	98	1	35	1	201	1	146	1	3
2	118	1	31	1	54	1	31	1	12	1	2	1	54	1	2
1	14	1	1	1	12	1	7	1	3	1	36	1	32	1	1
Avg (SD)	10.9 (3.5)		11.3 (2.9)		11.6 (3.3)		11.7 (3.6)		11.9 (3.3)		11.3 (2.7)		11.5 (2.7)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values for All Students**

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

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>43,534</b>	<b>54</b>	<b>23.3</b>	<b>21.3</b>
	African Am./Black	1,324	45	18.3	16.6
	Am. Indian/Alaska Native	290	52	20.3	18.7
	Caucasian Am./White	32,692	57	23.6	21.6
	Hispanic	681	49	21.4	19.5
	Asian Am./Pacific Islander	1,939	56	20.9	19.4
	Other/No Response	6,608	38	23.5	21.7
National	<b>All Students</b>	<b>1,300,599</b>	<b>51</b>	<b>22.0</b>	<b>19.8</b>
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

**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	22.5	22.8	22.5	22.5
	African Am./Black	16.0	17.7	17.6	17.8	17.4
	Am. Indian/Alaska Native	18.3	19.7	20.2	19.9	19.7
	Caucasian Am./White	22.2	22.8	23.2	22.8	22.9
	Hispanic	19.6	20.4	21.0	20.5	20.5
	Asian Am./Pacific Islander	19.1	21.1	20.0	20.8	20.4
	Other/No Response	22.3	22.7	23.2	22.7	22.8
National	<b>All Students</b>	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

**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	1,737	4	1,268	3	2,508	6	1,305	3
	28 to 32	5,288	12	5,573	13	7,803	18	3,951	9
	24 to 27	8,982	21	11,848	27	8,575	20	11,325	26
	20 to 23	12,919	30	10,850	25	11,447	26	16,939	39
	16 to 19	8,898	20	11,675	27	8,654	20	7,807	18
	13 to 15	3,759	9	2,253	5	3,468	8	1,530	4
	01 to 12	1,951	4	67	0	1,079	2	677	2
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	18,397	42	21.4	23.3	22.7	23.1	22.8
	Females	22,210	51	22.1	21.8	22.9	22.0	22.4
	Missing	2,927	7	22.0	22.5	22.8	22.4	22.5
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	76	62	61	44	36
	Females	80	50	63	33	28
National	Males	66	47	51	32	26
	Females	71	38	53	24	20





# Section III

## College Readiness and the Impact of Course Rigor

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

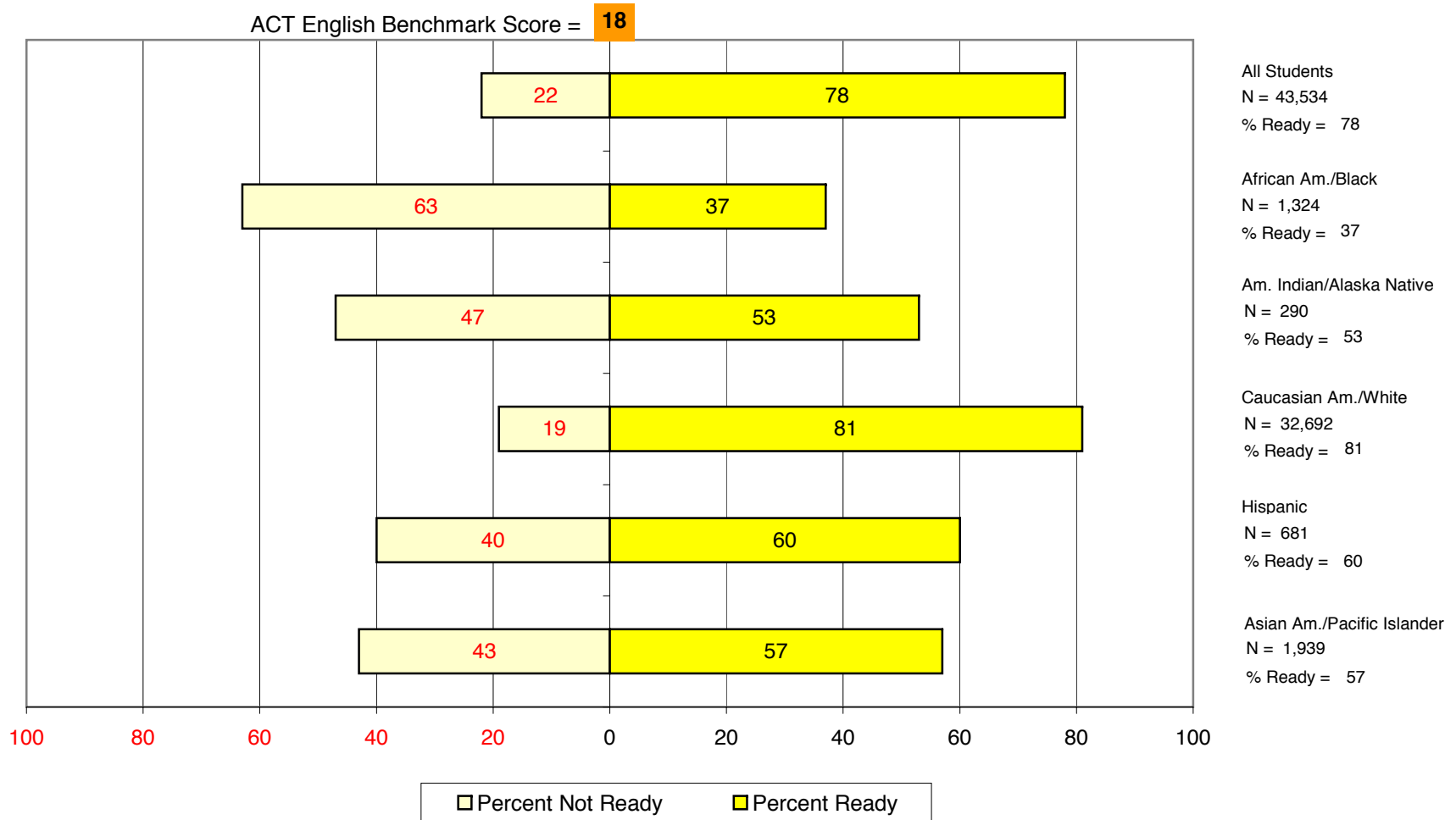
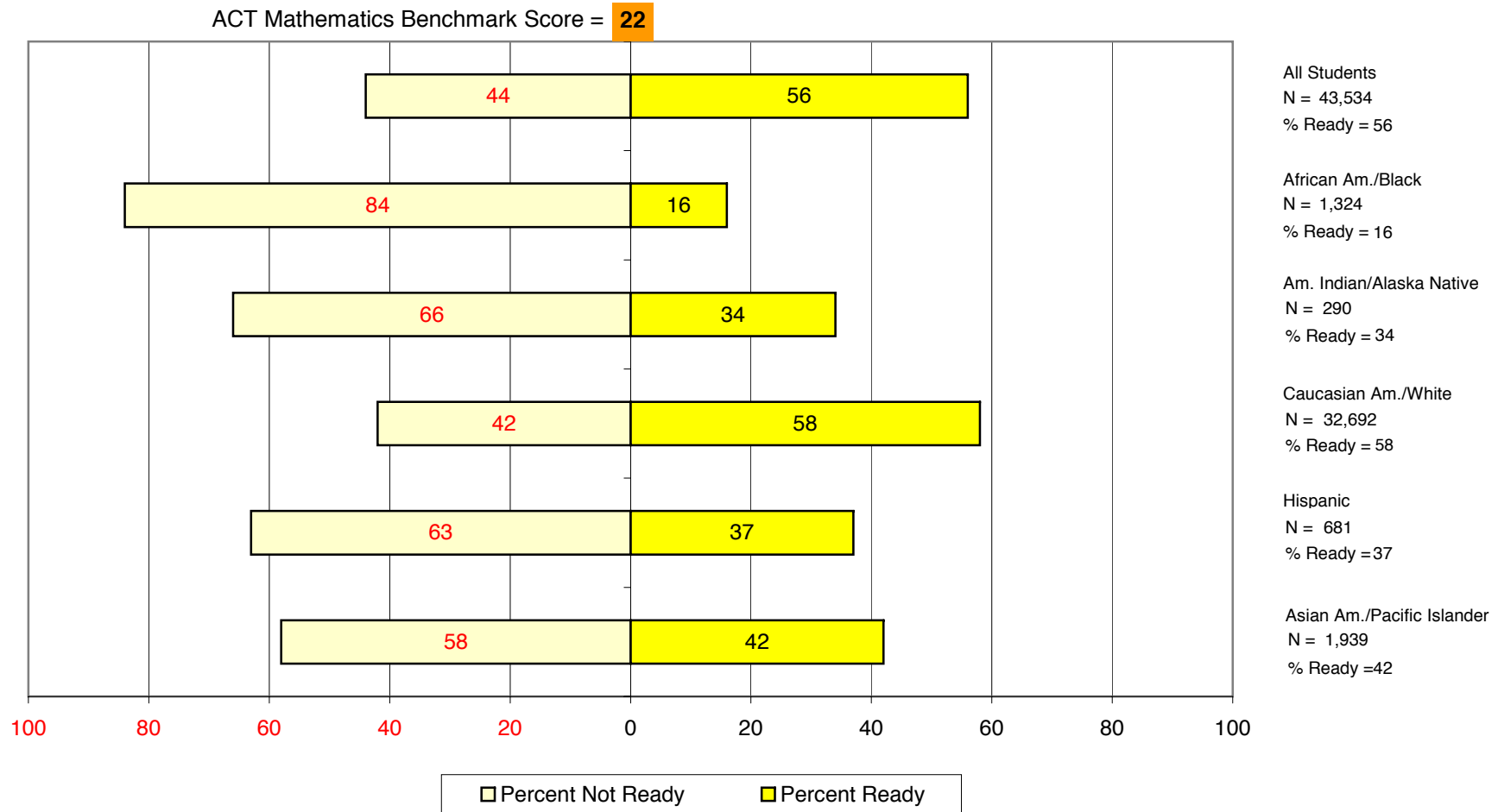


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS



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

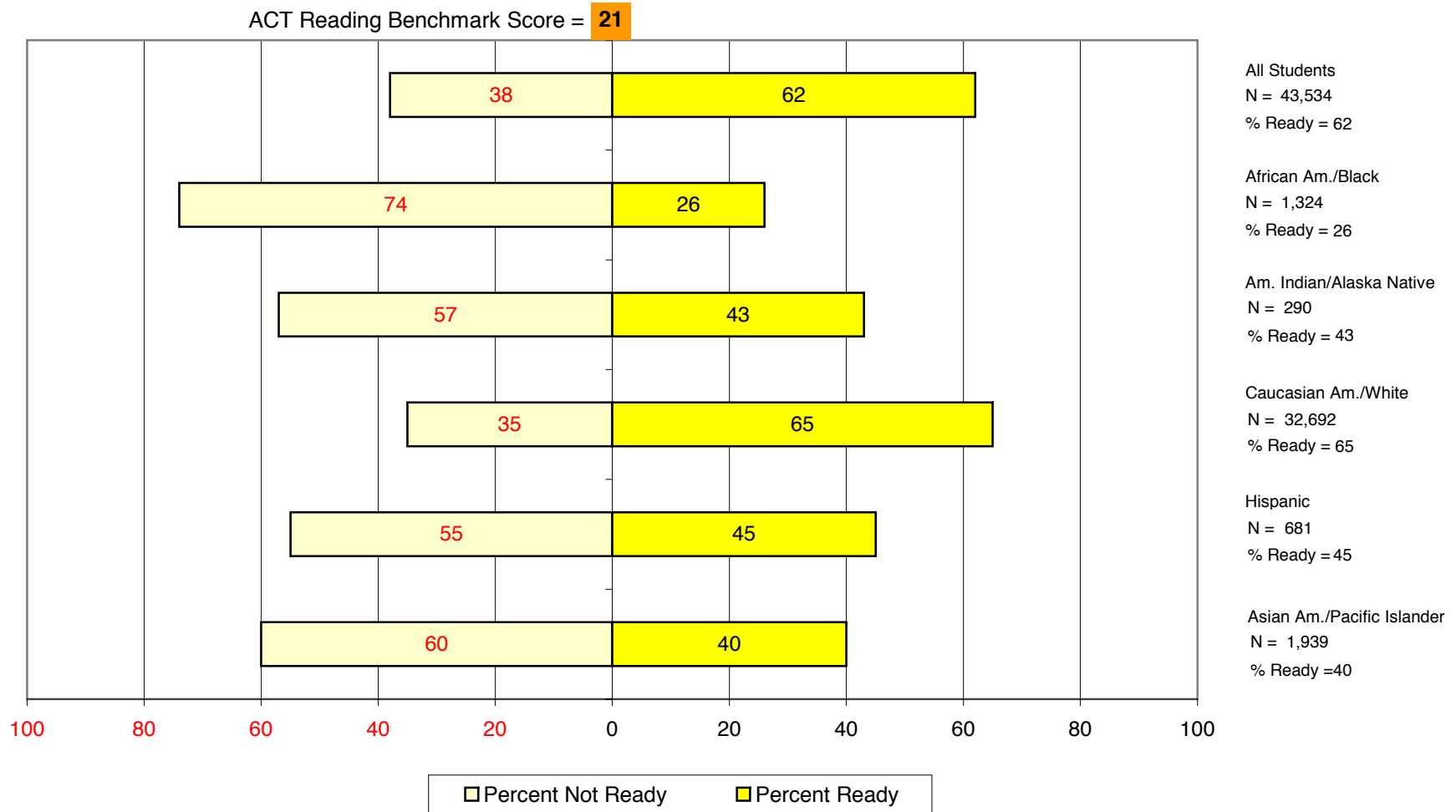


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

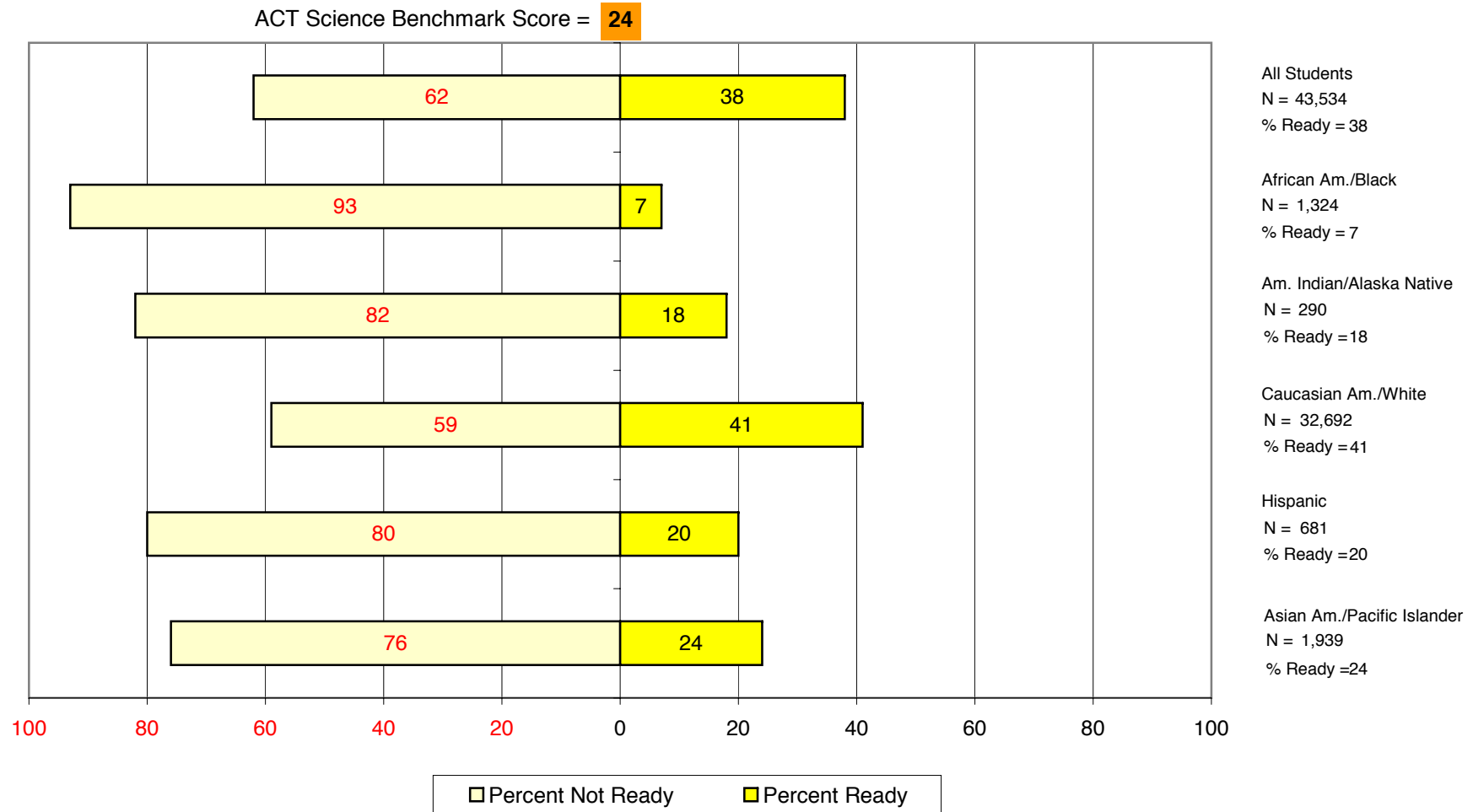
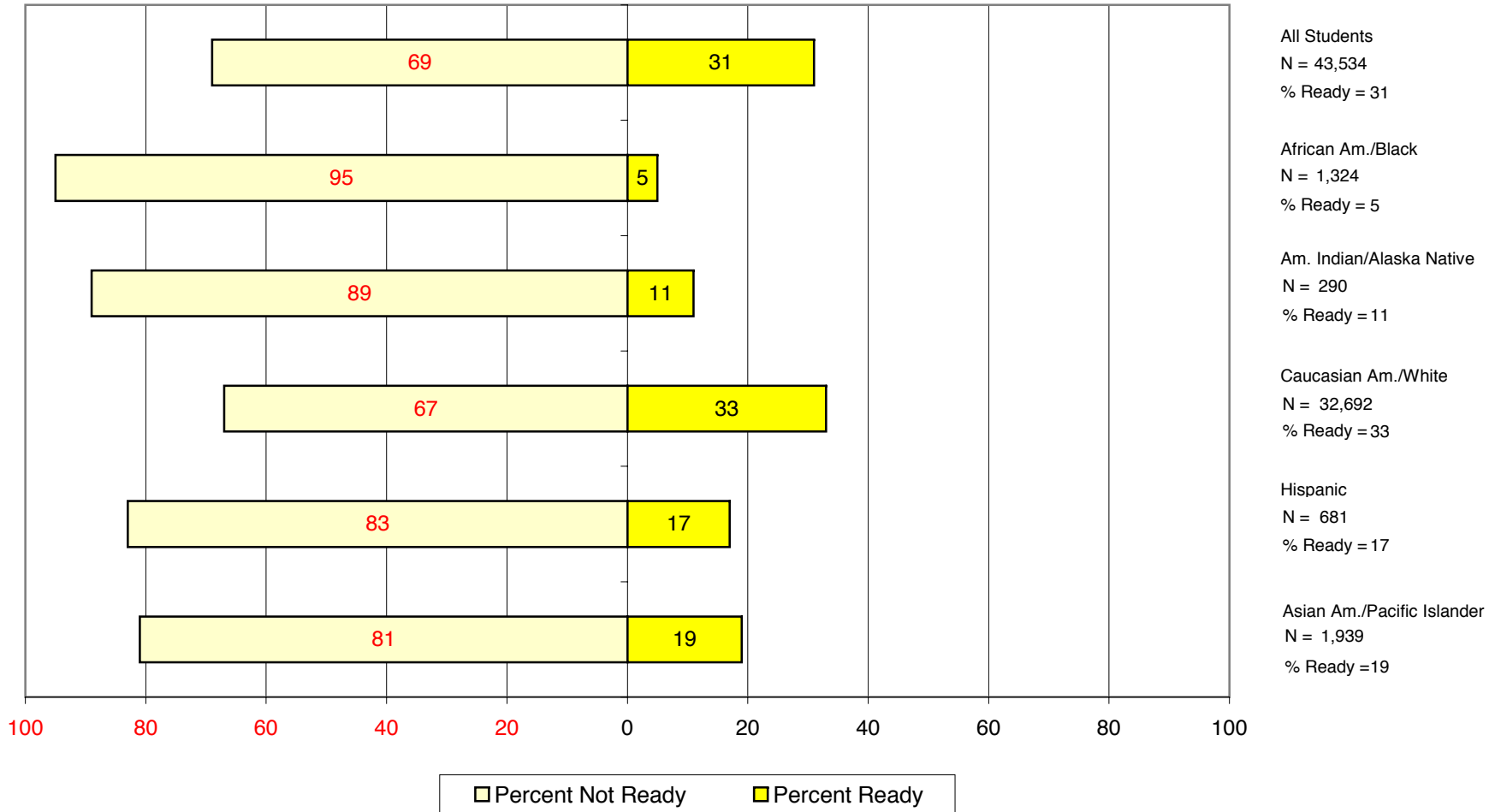


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**Table 3.1. Average ACT Scores and ACT Average 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	9,913	23	22.6	1.5	3,655	20	22.4	1.6	5,862	26	22.8	1.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,472	49	21.6	0.5	9,600	52	21.2	0.4	11,043	50	21.9	0.5
Less than 4 years of English	5,005	11	21.1	-	2,185	12	20.8	-	2,493	11	21.4	-
No English course/grade information reported	7,144	16	21.9	-	2,957	16	21.4	-	2,812	13	22.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	3,085	7	25.5	5.4	1,322	7	26.3	5.5	1,646	7	24.9	5.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,645	8	22.7	2.6	1,392	8	23.5	2.7	2,121	10	22.2	2.7
Alg 1, Alg 2, Geom, & Trig	3,141	7	21.2	1.1	1,248	7	21.8	1.0	1,753	8	20.7	1.2
Alg 1, Alg 2, Geom, & Other Adv Math	4,707	11	21.6	1.5	1,796	10	22.3	1.5	2,725	12	21.2	1.7
Other comb of 4 or more years of Math	9,689	22	25.4	5.3	4,586	25	26.2	5.4	4,761	21	24.6	5.1
Alg 1, Alg 2, & Geom (Min. Core)	5,170	12	19.2	-0.9	2,078	11	20.0	-0.8	2,844	13	18.6	-0.9
Other comb of 3 or 3.5 years of Math	1,690	4	22.5	2.4	797	4	23.1	2.3	831	4	21.8	2.3
Less than 3 years of Math	4,726	11	20.1	-	1,984	11	20.8	-	2,452	11	19.5	-
No Math course/grade information reported	7,681	18	22.3	-	3,194	17	22.8	-	3,077	14	21.5	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	644	1	23.7	1.5	321	2	22.7	0.6	285	1	24.9	2.6
Other comb of 4 or more years Social Science	18,801	43	23.0	0.8	7,587	41	22.9	0.8	10,479	47	23.0	0.7
US Hist, World Hist, & Am Gov (Min. Core)	1,020	2	22.2	0.0	540	3	22.0	-0.1	438	2	22.4	0.1
Other comb of 3 or 3.5 years of Social Science	9,736	22	23.0	0.8	4,193	23	22.9	0.8	5,199	23	23.1	0.8
Less than 3 years of Social Science	5,845	13	22.2	-	2,635	14	22.1	-	2,863	13	22.3	-
No Soc Sci course/grade information reported	7,488	17	22.7	-	3,121	17	22.4	-	2,946	13	22.9	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	15,996	37	23.8	3.1	7,376	40	24.6	3.6	8,021	36	23.1	2.7
Bio, Chem, Phys	1,194	3	24.3	3.6	553	3	25.0	4.0	577	3	23.6	3.2
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	11,617	27	21.6	0.9	4,137	22	21.9	0.9	7,026	32	21.4	1.0
Other comb of 3 years of Natural Science	1,273	3	22.4	1.7	691	4	23.0	2.0	520	2	21.7	1.3
Less than 3 years of Natural Science	5,871	13	20.7	-	2,460	13	21.0	-	3,091	14	20.4	-
No Nat Sci course/grade information reported	7,583	17	22.3	-	3,180	17	22.8	-	2,975	13	21.8	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to a less than core course sequence.

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

**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	9,913	23	22.6	83	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,472	49	21.6	76	766,001	59	20.5	68
Less than 4 years of English	5,005	11	21.1	75	141,777	11	19.7	64
No English course/grade information reported	7,144	16	21.9	79	201,619	16	20.7	69
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	3,085	7	25.5	81	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,645	8	22.7	61	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	3,141	7	21.2	46	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	4,707	11	21.6	50	163,562	13	20.4	38
Other comb of 4 or more years of Math	9,689	22	25.4	79	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	5,170	12	19.2	25	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	1,690	4	22.5	56	57,945	4	20.9	43
Less than 3 years of Math	4,726	11	20.1	34	145,617	11	18.3	21
No Math course/grade information reported	7,681	18	22.3	54	211,787	16	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	644	1	23.7	66	31,985	2	22.7	61
Other comb of 4 or more years Social Science	18,801	43	23.0	64	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	1,020	2	22.2	59	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	9,736	22	23.0	63	333,689	26	21.4	52
Less than 3 years of Social Science	5,845	13	22.2	58	201,605	16	20.6	47
No Soc Sci course/grade information reported	7,488	17	22.7	61	212,012	16	21.5	53
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	15,996	37	23.8	50	333,648	26	22.4	40
Bio, Chem, Phys	1,194	3	24.3	55	115,297	9	23.4	48
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	11,617	27	21.6	28	353,348	27	20.2	20
Other comb of 3 years of Natural Science	1,273	3	22.4	37	32,593	3	20.4	24
Less than 3 years of Natural Science	5,871	13	20.7	23	247,312	19	19.1	15
No Nat Sci course/grade information reported	7,583	17	22.3	37	218,401	17	20.9	29

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



# Section IV

## Career and Educational Aspirations

**Table 4.1. Distribution of Planned Educational Majors for All Students and 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	489	1	20.5	66	3	18.4	392	1	21.0
Architecture & Environmental Design	685	2	21.9	34	2	18.4	624	2	22.2
Business & Management	2,833	7	21.8	126	7	18.2	2,604	8	22.1
Business & Office	151	0	20.7	26	1	19.2	118	0	21.1
Marketing & Distribution	255	1	21.3	13	1	20.0	233	1	21.4
Communications & Comm. Technologies	742	2	22.9	30	2	19.3	677	2	23.1
Community & Personal Services	798	2	19.7	100	5	18.0	656	2	20.1
Computer & Information Sciences	659	2	23.4	48	3	19.1	592	2	23.8
Cross-Disciplinary Studies	51	0	24.5	3	0	17.3	47	0	25.0
Education	1,237	3	22.1	28	1	18.3	1,156	4	22.3
Teacher Education	800	2	21.5	12	1	18.8	743	2	21.7
Engineering	1,279	3	24.5	53	3	18.3	1,178	4	24.9
Engineering-Related Technologies	751	2	23.6	46	2	19.5	682	2	23.9
Foreign Languages	233	1	24.0	8	0	21.4	212	1	24.1
Health Sciences & Allied Health Fields	5,286	12	21.8	331	17	18.5	4,760	15	22.1
Human, Family & Consumer Science	276	1	20.3	36	2	18.2	226	1	20.8
Letters	267	1	25.3	3	0	27.3	257	1	25.4
Mathematics	224	1	25.6	2	0	20.0	215	1	25.7
Philosophy, Religion & Theology	213	0	23.3	0	0	.	203	1	23.4
Sciences (Biological & Physical)	1,772	4	24.9	15	1	18.5	1,702	5	25.1
Social Sciences	1,972	5	23.1	27	1	18.4	1,887	6	23.2
Trade & Industrial	327	1	19.8	162	8	19.0	156	0	20.7
Visual & Performing Arts	1,722	4	22.3	118	6	18.9	1,510	5	22.7
Undecided	6,384	15	22.2	346	18	18.7	5,583	17	22.6
No Response	14,128	32	22.8	282	15	18.6	5,536	17	23.2

<sup>1</sup>2-Year and 4-Year N's do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N for *All Students*.

<sup>2</sup>Percent of students tested.

**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-Am./ Black		Am. Indian/ Alaska Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	346	18.6	4	14.5	4	18.8	285	18.8	4	16.5	10	16.7	39	18.3
2-yr College Degree	1,569	18.7	43	15.5	16	16.6	1,220	19.0	24	17.1	82	15.9	184	18.6
Bachelors Degree	16,337	21.7	379	17.0	112	19.0	13,341	22.0	215	19.3	654	18.8	1,636	21.8
Graduate Study	6,496	24.3	169	18.0	36	21.4	5,180	24.6	105	22.2	284	22.2	722	24.4
Prof. Level Degree	9,116	23.8	398	18.6	76	20.6	6,741	24.3	200	21.6	540	22.2	1,161	23.8
Other	903	19.3	54	14.9	15	17.4	622	20.1	13	16.6	70	17.0	129	19.3
No Response	8,767	22.7	277	16.6	31	20.4	5,303	23.0	120	20.4	299	21.0	2,737	23.2

**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	12,631	5,514	7,117	1	4	17	32	30	15	2
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	8,009	2,351	5,658	0	3	21	39	27	10	1
SAINT CLOUD STATE UNIVERSITY	Minnesota	6,000	1,691	4,309	1	5	30	40	18	5	0
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	5,582	1,814	3,768	1	5	30	40	19	5	0
WINONA STATE UNIVERSITY	Minnesota	3,289	838	2,451	0	4	26	41	22	7	0
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	3,143	689	2,454	1	5	16	31	31	15	1
NORTH DAKOTA STATE UNIVERSITY	North Dakota	2,796	777	2,019	0	2	22	38	26	10	1
UNIV OF WISCONSIN-MADISON	Wisconsin	2,582	538	2,044	0	1	5	24	38	28	4
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	2,123	560	1,563	0	5	29	38	21	6	0
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,045	573	1,472	0	3	21	41	26	9	1
BEMIDJI STATE UNIVERSITY	Minnesota	2,018	651	1,367	0	5	31	39	18	6	0
COLLEGE OF ST BENEDICT/ST JOHN'S UNIV	Minnesota	1,825	614	1,211	0	1	12	34	34	17	2
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	1,806	411	1,395	0	2	12	29	34	21	2
SAINT OLAF COLLEGE	Minnesota	1,633	406	1,227	1	2	11	24	31	29	3
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,593	284	1,309	0	2	15	40	32	10	1
CONCORDIA COLLEGE-MOORHEAD	Minnesota	1,406	425	981	0	2	18	35	28	15	1
BETHEL UNIVERSITY	Minnesota	1,388	465	923	1	3	18	32	30	14	1
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,371	289	1,082	1	5	25	39	23	6	1
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	1,218	262	956	0	3	18	32	29	16	2
HAMLIN UNIVERSITY	Minnesota	1,185	220	965	1	8	19	32	26	13	1
AUGSBURG COLLEGE	Minnesota	1,174	250	924	2	10	24	32	21	10	1
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	1,071	196	875	0	2	16	39	34	9	0
NORTHWESTERN COLLEGE	Minnesota	1,060	350	710	1	4	18	33	30	13	1
UNIV OF WISCONSIN-STOUT	Wisconsin	1,034	247	787	0	4	29	42	21	4	0
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	951	285	666	0	2	24	39	25	9	1
IOWA STATE UNIVERSITY	Iowa	942	212	730	0	1	10	28	36	23	3
COLLEGE OF SAINT SCHOLASTICA	Minnesota	909	252	657	0	3	19	37	28	11	1
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	862	205	657	1	7	31	36	18	6	0
NORMANDEALE COMMUNITY COLLEGE	Minnesota	826	256	570	2	10	33	34	17	3	0
COLL OF ST CATHERINE-ST PAUL CAMPUS	Minnesota	810	218	592	2	9	26	29	25	8	1
All Other Institutions		39,854	9,762	30,092	1	7	22	29	23	16	3
<b>Total</b>		<b>113,136</b>	<b>31,605</b>	<b>81,531</b>	<b>1</b>	<b>5</b>	<b>21</b>	<b>33</b>	<b>25</b>	<b>13</b>	<b>2</b>

# Section V

# Optional Writing Test Results

**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>28,270</b>	<b>532,943</b>	<b>22.6</b>	<b>22.3</b>	<b>7.6</b>	<b>7.6</b>	<b>22.0</b>	<b>21.8</b>
African Am./Black	896	50,340	16.5	17.2	6.6	6.7	16.7	17.3
Am. Indian/Alaska Native	186	3,462	19.0	19.8	6.8	7.0	18.7	19.4
Caucasian Am./White	20,851	308,578	23.1	23.4	7.6	7.6	22.4	22.6
Hispanic	448	42,588	20.2	18.8	7.5	7.3	20.2	19.0
Asian Am./Pacific Islander	1,405	25,616	19.8	23.2	7.3	8.0	19.7	22.8
Other/No Response	4,484	102,359	23.1	23.2	7.7	7.8	22.5	22.7
Males	11,519	204,427	22.4	22.0	7.3	7.3	21.6	21.3
Females	14,826	285,556	22.8	22.5	7.7	7.7	22.3	22.1
Missing	1,925	42,960	22.7	23.0	7.7	7.8	22.3	22.6



