

ACT High School Profile Report

The Graduating Class of 2008
Minnesota



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This report provides information about the performance of your 2008 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 2008 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, 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

How to Improve Scores and Increase College Readiness

32% of 2008 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. 44,863 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. 67% 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 8% of the cohort took less than three years of math courses. Of these students, 33% were college ready. 13% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 24% of these students were college ready. In comparison, 64% 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 12% 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.

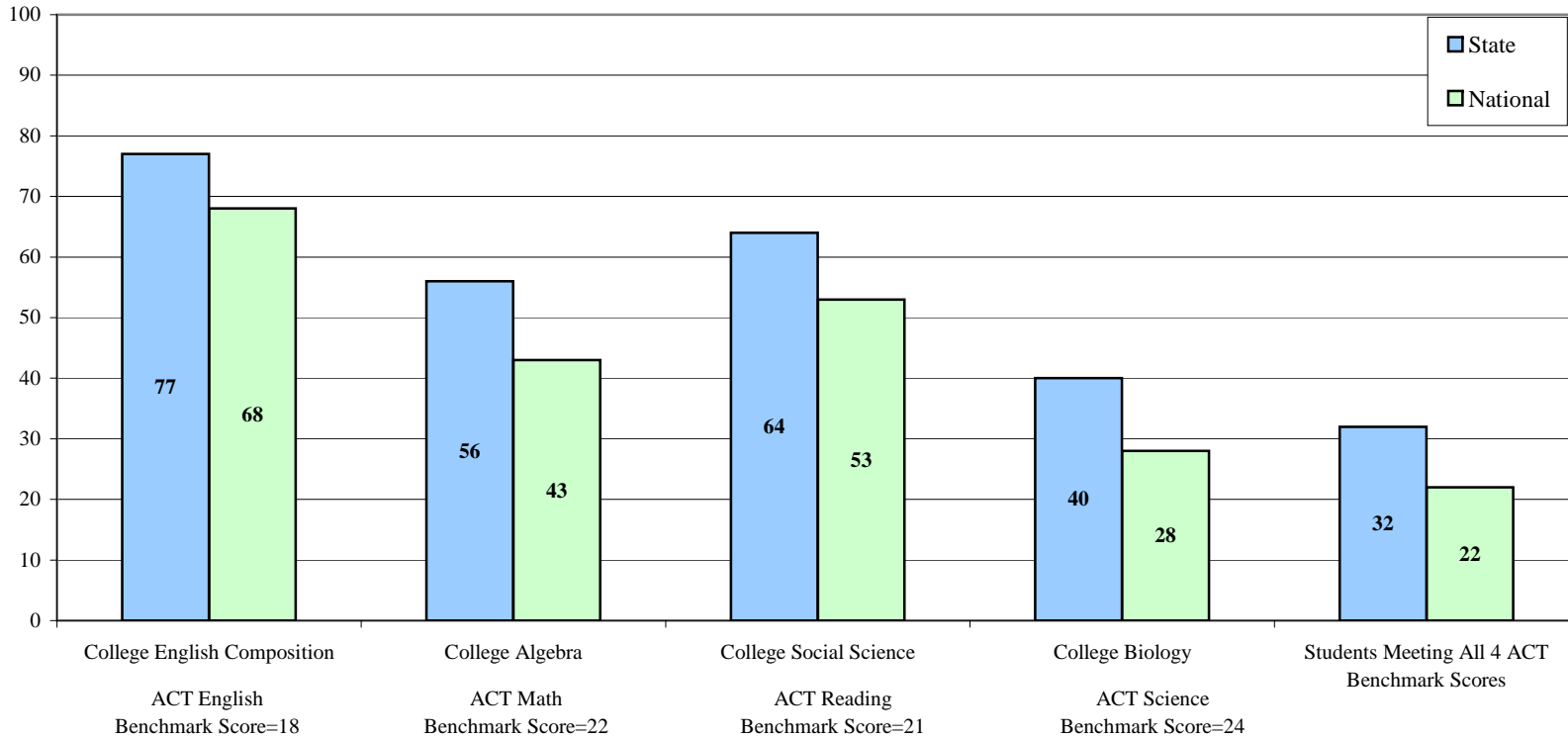
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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
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
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

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
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
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
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

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

Grad Year	Number of Students Tested		Percent ¹		Average ACT Scores									
					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	Core or More	Less than Core	Core or More	Less than Core
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
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

¹Percent 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

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	42,163	100	22.2	41,646	100	22.3	41,650	100	22.3	43,534	100	22.5	44,863	100	22.6
African American/Black	1,114	3	17.5	1,137	3	17.6	1,188	3	17.8	1,324	3	17.4	1,629	4	17.6
American Indian/Alaska Native	211	1	19.6	202	0	20.0	241	1	19.9	290	1	19.7	239	1	20.6
Caucasian American/White	35,130	83	22.5	34,579	83	22.6	33,426	80	22.6	32,692	75	22.9	35,010	78	23.0
Hispanic	553	1	20.1	609	1	20.4	578	1	20.1	681	2	20.5	812	2	20.3
Asian American/Pacific Islander	2,009	5	20.3	1,910	5	20.3	1,952	5	20.4	1,939	4	20.4	2,133	5	20.4
Other/No Response	3,146	7	22.6	3,209	8	22.8	4,265	10	22.4	6,608	15	22.8	5,040	11	23.2

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages for All Students

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
36	76	100	140	100	415	100	165	100	20	100	36
35	587	100	335	100	594	99	277	100	136	100	35
34	821	99	428	99	596	98	285	99	286	100	34
33	645	97	719	98	1,068	96	534	98	461	99	33
32	645	95	551	96	1,152	94	373	97	660	98	32
31	904	94	699	95	1,393	91	514	96	899	97	31
30	1,177	92	1,187	94	1,879	88	917	95	1,226	95	30
29	1,439	89	1,654	91	1,868	84	993	93	1,496	92	29
28	1,312	86	1,992	87	2,152	80	1,426	91	1,964	88	28
27	1,696	83	2,523	83	1,815	75	1,651	88	2,268	84	27
26	2,054	79	2,883	77	1,955	71	2,688	84	2,717	79	26
25	2,640	75	3,225	71	2,291	67	4,108	78	3,008	73	25
24	2,758	69	3,337	64	2,205	62	3,790	69	3,310	66	24
23	2,704	63	2,988	56	4,023	57	3,608	60	3,560	59	23
22	3,364	57	2,442	49	2,252	48	4,499	52	3,739	51	22
21	3,959	49	2,892	44	3,023	43	3,777	42	3,798	43	21
20	3,454	40	2,257	38	3,219	36	4,702	34	3,422	34	20
19	2,488	33	2,793	33	2,732	29	3,372	24	3,067	27	19
18	2,022	27	3,104	26	1,724	23	2,111	16	2,709	20	18
17	2,229	23	3,065	19	1,999	19	1,486	11	2,079	14	17
16	1,783	18	3,185	13	2,149	15	1,110	8	1,546	9	16
15	1,907	14	1,659	5	1,243	10	771	6	1,132	6	15
14	1,247	9	576	2	1,335	7	604	4	685	3	14
13	882	7	148	1	790	4	395	2	400	2	13
12	647	5	55	1	536	2	338	2	175	1	12
11	537	3	16	1	270	1	176	1	70	1	11
10	401	2	6	1	110	1	117	1	19	1	10
9	271	1	2	1	39	1	50	1	10	1	9
8	153	1	0	1	9	1	11	1	0	1	8
7	42	1	0	1	11	1	7	1	0	1	7
6	8	1	1	1	9	1	3	1	1	1	6
5	8	1	0	1	4	1	2	1	0	1	5
4	2	1	1	1	2	1	2	1	0	1	4
3	1	1	0	1	1	1	0	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
Avg (SD)	21.9 (5.7)		22.6 (5.0)		23.0 (5.8)		22.5 (4.5)		22.6 (4.6)		Avg (SD)

¹Note: 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 (CP¹), 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 ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
18	1,800	100	391	100	1,572	100	1,451	100	2,799	100	421	100	530	100	18
17	1,808	96	1,499	99	2,510	96	2,611	97	2,645	94	778	99	174	99	17
16	2,472	92	2,613	96	2,665	91	4,362	91	3,082	88	1,224	97	2,373	98	16
15	2,235	86	3,815	90	4,030	85	3,932	81	2,431	81	2,210	95	2,549	93	15
14	2,782	81	2,935	81	3,103	76	3,951	72	4,399	76	4,711	90	5,951	87	14
13	3,947	75	4,544	75	4,278	69	2,666	64	5,025	66	5,300	79	4,885	74	13
12	3,940	66	5,988	65	4,329	60	4,750	58	3,933	55	4,607	67	6,282	63	12
11	4,371	58	5,694	51	4,900	50	5,373	47	4,201	46	7,193	57	4,645	49	11
10	5,486	48	6,023	39	4,887	39	3,757	35	4,826	36	7,793	41	7,322	39	10
9	4,281	36	3,828	25	3,975	28	3,209	27	2,931	26	4,977	24	3,722	23	9
8	3,746	26	3,280	17	4,536	19	2,778	20	4,397	19	2,791	13	2,629	14	8
7	2,763	18	1,980	9	1,797	9	2,153	13	2,832	9	1,110	6	1,789	8	7
6	2,361	12	1,026	5	1,380	5	1,965	9	964	3	699	4	944	4	6
5	1,477	6	652	3	475	2	1,183	4	233	1	685	2	406	2	5
4	907	3	436	1	228	1	548	2	106	1	213	1	328	1	4
3	378	1	132	1	134	1	132	1	46	1	100	1	239	1	3
2	98	1	23	1	52	1	41	1	10	1	26	1	48	1	2
1	11	1	4	1	12	1	1	1	3	1	25	1	47	1	1
Avg (SD)	10.9 (3.6)		11.4 (3.0)		11.7 (3.3)		11.8 (3.6)		12.0 (3.4)		11.2 (2.6)		11.4 (2.8)		Avg (SD)

¹Note: 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)	26	26	27	25	26
Q2 (50th Percentile)	22	23	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	All Students	44,863	67	23.1	21.3
	African Am./Black	1,629	59	18.2	16.7
	Am. Indian/Alaska Native	239	61	21.3	19.2
	Caucasian Am./White	35,010	69	23.4	21.7
	Hispanic	812	64	20.9	19.3
	Asian Am./Pacific Islander	2,133	68	21.1	18.5
	Other/No Response	5,040	51	23.5	21.9
National	All Students	1,421,941	61	22.0	19.5
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.9	22.6	23.0	22.5	22.6
	African Am./Black	16.3	17.7	17.7	18.0	17.6
	Am. Indian/Alaska Native	19.4	20.4	21.6	20.8	20.6
	Caucasian Am./White	22.3	22.9	23.4	22.8	23.0
	Hispanic	19.2	20.2	20.9	20.5	20.3
	Asian Am./Pacific Islander	19.0	21.1	20.0	20.8	20.4
	Other/No Response	22.7	23.1	23.8	22.8	23.2
National	All Students	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

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	2,129	5	1,622	4	2,673	6	1,261	3
	28 to 32	5,477	12	6,083	14	8,444	19	4,223	9
	24 to 27	9,148	20	11,968	27	8,266	18	12,237	27
	20 to 23	13,481	30	10,579	24	12,517	28	16,586	37
	16 to 19	8,522	19	12,147	27	8,604	19	8,079	18
	13 to 15	4,036	9	2,383	5	3,368	8	1,770	4
	01 to 12	2,070	5	81	0	991	2	707	2
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	20,007	45	21.5	23.4	22.9	23.0	22.8
	Females	23,183	52	22.2	21.9	23.0	21.9	22.4
	Missing	1,673	4	23.2	23.8	24.3	23.2	23.8
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

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	75	62	63	45	36
	Females	79	50	64	34	28
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum

Student Group	Curriculum Taken ²	N	English		Mathematics		Reading		Science		Composite ¹	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	29,929	81	22.4	60	23.1	67	23.4	43	22.9	35	23.1
	Non-Core	10,196	67	20.4	42	21.0	55	21.9	29	21.3	22	21.3
	Missing	4,738	78	22.2	58	22.9	65	23.2	42	22.6	34	22.9
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

¹% under Composite heading reflects the percent of students who meet all four benchmarks

²"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core	37,337	77	21.9	37,121	58	22.8	36,705	64	23.0	35,581	41	22.7
	Non-Core	3,750	75	21.5	3,392	34	20.0	4,089	61	22.9	5,082	23	20.6
	Missing	3,776	80	22.6	4,350	59	22.9	4,069	67	23.5	4,200	43	22.8
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

¹"Curriculum Taken" reflects content-specific curriculum.

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

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

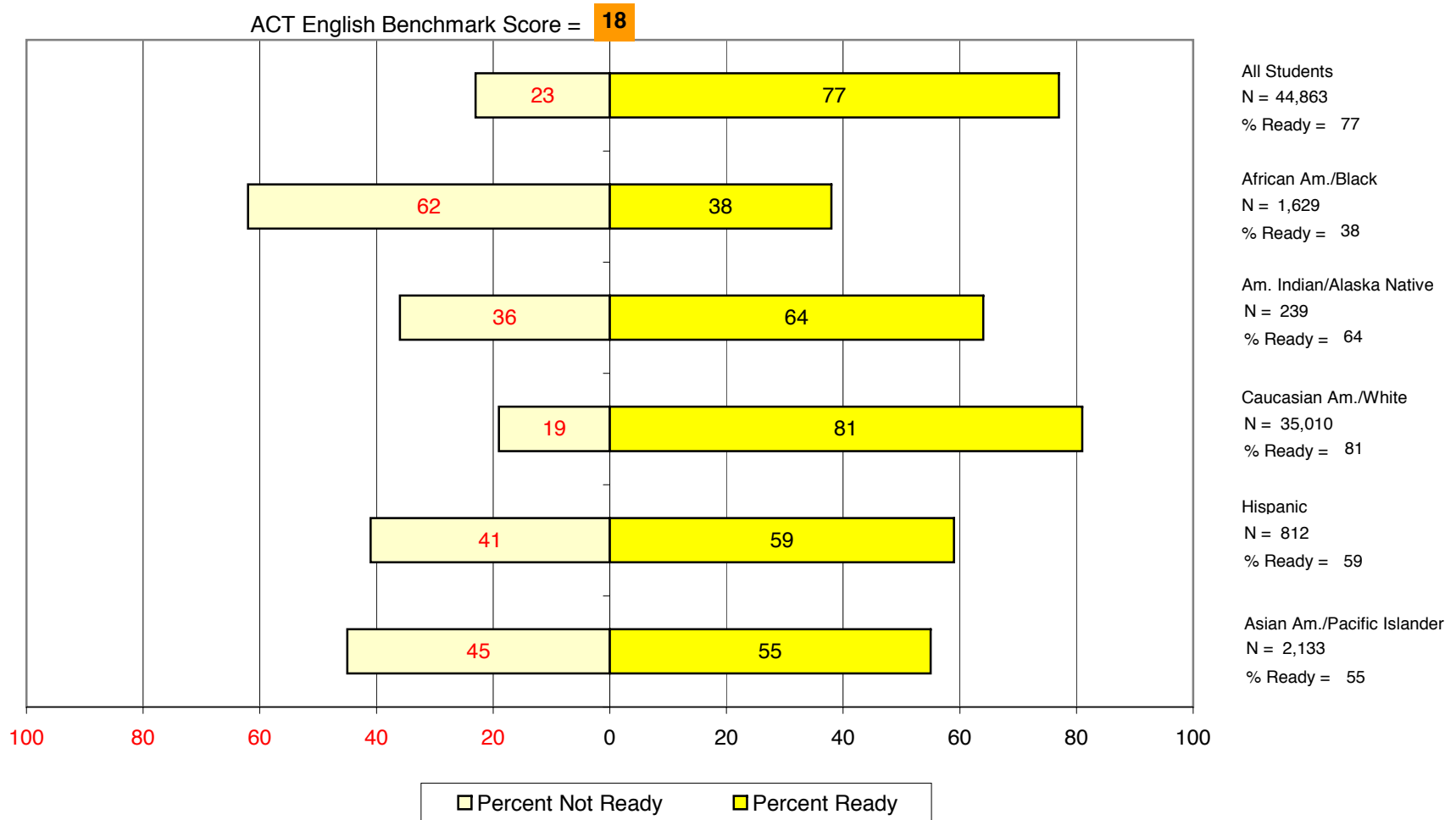


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

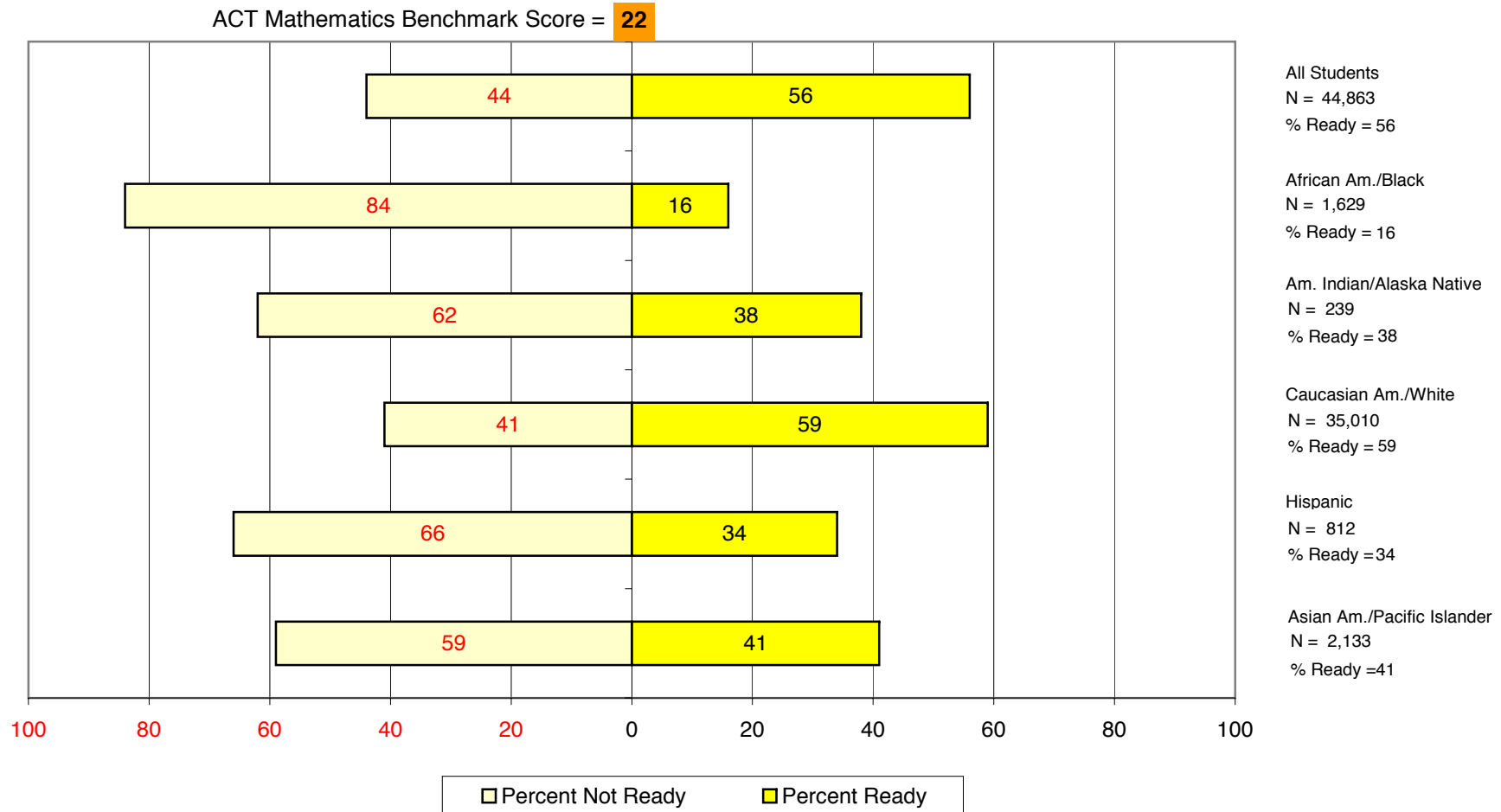


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

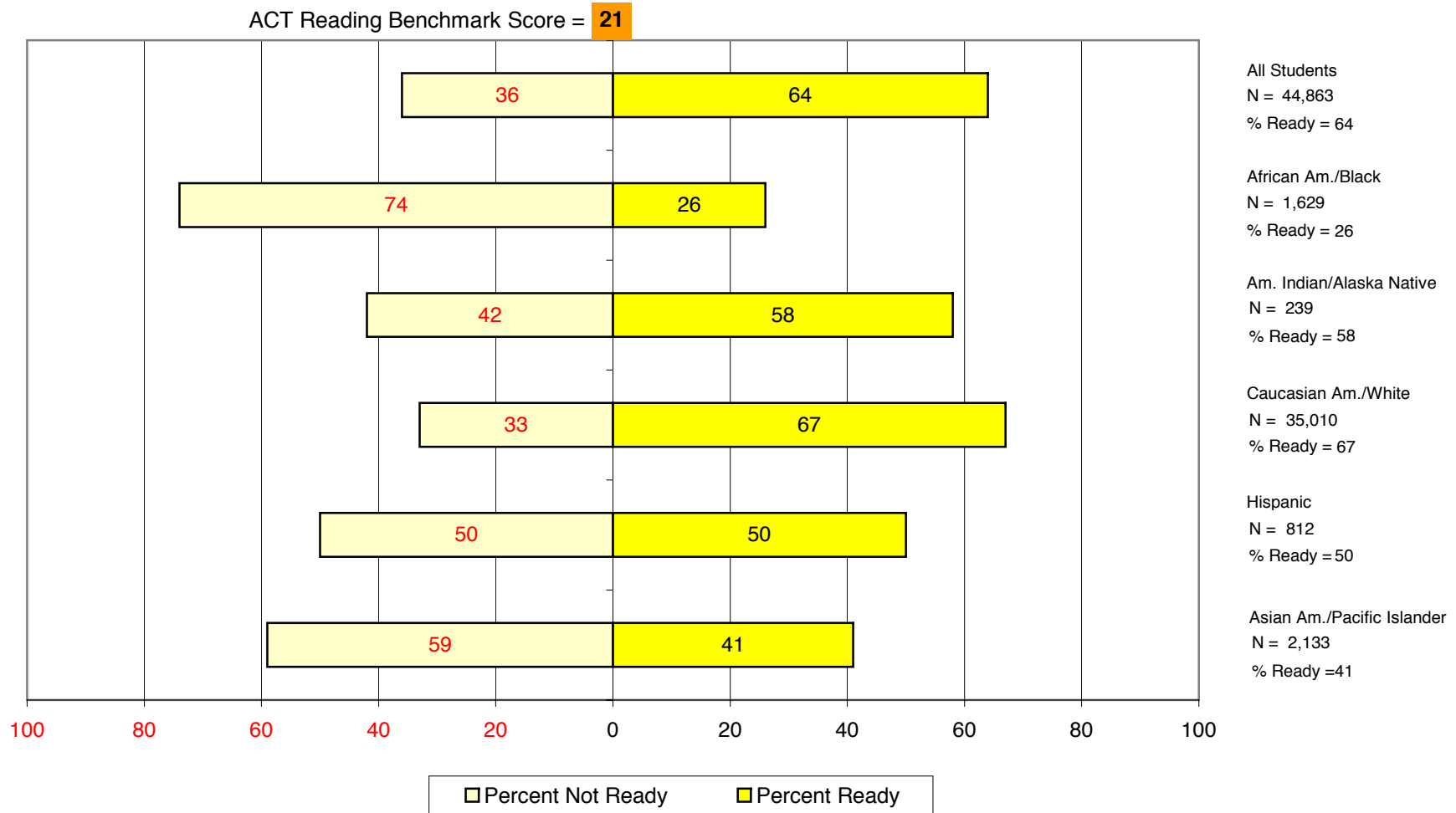


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24

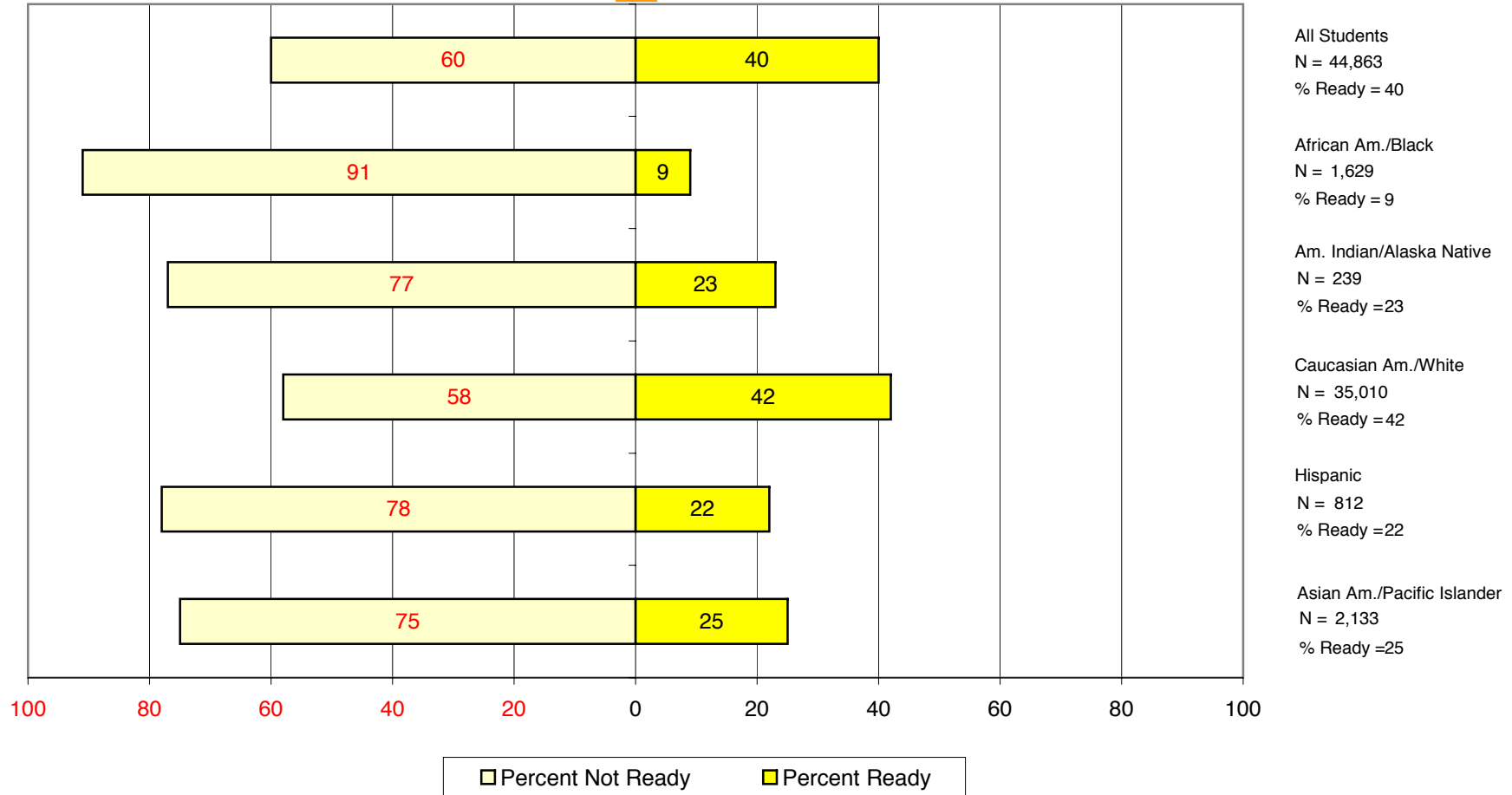


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

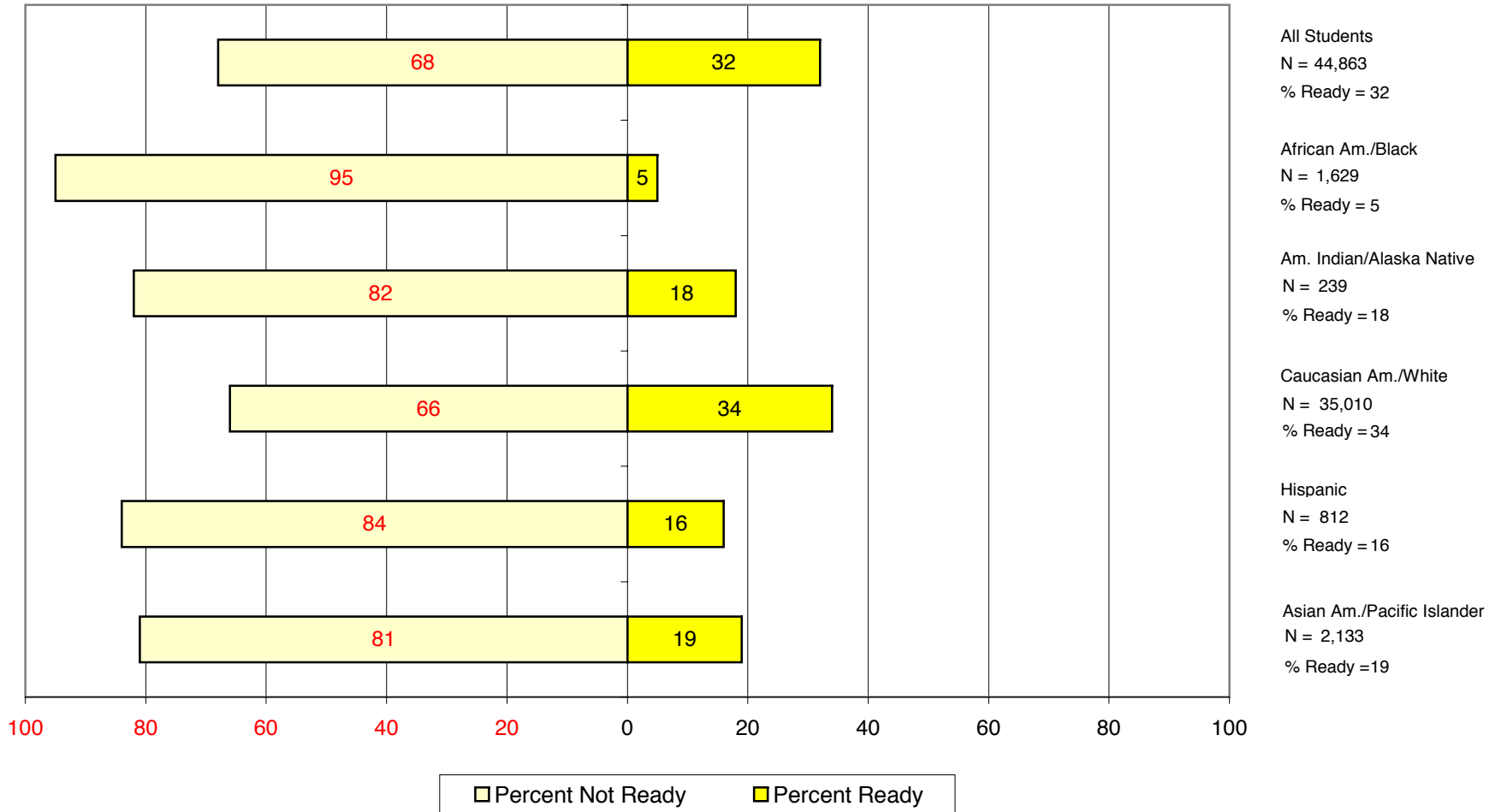


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	12,313	27	22.4	1.0	4,960	25	21.9	0.7	7,121	31	22.7	1.1
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	25,024	56	21.7	0.3	11,735	59	21.3	0.1	12,775	55	22.0	0.4
Less than 4 years of English	3,778	8	21.4	-	1,755	9	21.2	-	1,804	8	21.6	-
No English course/grade information reported	3,748	8	22.6	-	1,557	8	21.8	-	1,483	6	22.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	3,196	7	25.6	5.7	1,520	8	26.4	5.8	1,601	7	24.8	5.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,571	10	22.8	2.9	1,820	9	23.5	2.9	2,670	12	22.2	2.9
Alg 1, Alg 2, Geom, & Trig	3,200	7	21.1	1.2	1,385	7	21.8	1.2	1,735	7	20.4	1.1
Alg 1, Alg 2, Geom, & Other Adv Math	6,197	14	21.4	1.5	2,394	12	22.0	1.4	3,685	16	21.1	1.8
Other comb of 4 or more years of Math	12,082	27	25.1	5.2	6,147	31	25.8	5.2	5,681	25	24.4	5.1
Alg 1, Alg 2, & Geom (Min. Core)	5,782	13	19.1	-0.8	2,444	12	19.6	-1.0	3,208	14	18.6	-0.7
Other comb of 3 or 3.5 years of Math	2,093	5	22.1	2.2	1,006	5	22.4	1.8	1,032	4	21.7	2.4
Less than 3 years of Math	3,662	8	19.9	-	1,609	8	20.6	-	1,902	8	19.3	-
No Math course/grade information reported	4,080	9	23.1	-	1,682	8	23.4	-	1,669	7	22.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	734	2	23.9	1.0	383	2	23.4	0.6	335	1	24.4	1.5
Other comb of 4 or more years Social Science	25,161	56	22.9	0.0	10,984	55	22.9	0.1	13,694	59	22.9	0.0
US Hist, World Hist, & Am Gov (Min. Core)	1,034	2	22.2	-0.7	503	3	22.2	-0.6	506	2	22.1	-0.8
Other comb of 3 or 3.5 years of Social Science	9,776	22	23.1	0.2	4,512	23	23.0	0.2	5,051	22	23.1	0.2
Less than 3 years of Social Science	4,171	9	22.9	-	1,967	10	22.8	-	2,003	9	22.9	-
No Soc Sci course/grade information reported	3,987	9	23.5	-	1,658	8	23.2	-	1,594	7	23.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	19,504	43	23.5	2.9	9,473	47	24.2	3.4	9,602	41	22.8	2.5
Bio, Chem, Phys	1,327	3	23.7	3.1	621	3	24.4	3.6	664	3	23.0	2.7
Gen Sci ² , Bio, Chem (Min. Core)	13,383	30	21.6	1.0	5,083	25	21.9	1.1	8,023	35	21.4	1.1
Other comb of 3 years of Natural Science	1,367	3	21.8	1.2	800	4	22.2	1.4	542	2	21.3	1.0
Less than 3 years of Natural Science	5,271	12	20.6	-	2,343	12	20.8	-	2,762	12	20.3	-
No Nat Sci course/grade information reported	4,011	9	22.9	-	1,687	8	23.0	-	1,590	7	22.3	-

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

²Includes 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
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	12,313	27	22.4	81	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	25,024	56	21.7	76	949,721	67	20.5	68
Less than 4 years of English	3,778	8	21.4	75	112,496	8	18.8	56
No English course/grade information reported	3,748	8	22.6	80	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	3,196	7	25.6	81	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,571	10	22.8	62	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	3,200	7	21.1	44	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	6,197	14	21.4	48	204,909	14	20.4	38
Other comb of 4 or more years of Math	12,082	27	25.1	76	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	5,782	13	19.1	24	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	2,093	5	22.1	53	70,951	5	20.8	41
Less than 3 years of Math	3,662	8	19.9	33	131,252	9	17.4	14
No Math course/grade information reported	4,080	9	23.1	61	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	734	2	23.9	69	42,546	3	22.7	61
Other comb of 4 or more years Social Science	25,161	56	22.9	64	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	1,034	2	22.2	58	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	9,776	22	23.1	64	404,731	28	21.3	52
Less than 3 years of Social Science	4,171	9	22.9	61	185,561	13	20.4	45
No Soc Sci course/grade information reported	3,987	9	23.5	67	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	19,504	43	23.5	49	453,654	32	22.2	38
Bio, Chem, Phys	1,327	3	23.7	51	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	13,383	30	21.6	30	435,183	31	20.1	20
Other comb of 3 years of Natural Science	1,367	3	21.8	33	40,179	3	20.1	22
Less than 3 years of Natural Science	5,271	12	20.6	23	259,142	18	18.7	13
No Nat Sci course/grade information reported	4,011	9	22.9	44	99,750	7	20.6	29

¹Includes 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 ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	626	1	20.4	87	4	18.5	509	1	20.8
Architecture & Environmental Design	758	2	22.2	36	2	19.6	680	2	22.4
Business & Management	3,799	8	21.9	120	6	19.1	3,451	10	22.0
Business & Office	242	1	20.2	22	1	18.9	199	1	20.4
Marketing & Distribution	342	1	21.1	11	1	18.6	310	1	21.3
Communications & Comm. Technologies	862	2	22.7	41	2	18.8	769	2	22.9
Community & Personal Services	885	2	19.8	113	6	18.4	731	2	20.0
Computer & Information Sciences	806	2	23.1	53	3	20.1	713	2	23.2
Cross-Disciplinary Studies	67	0	23.4	3	0	19.3	60	0	23.8
Education	1,439	3	21.9	27	1	18.2	1,315	4	22.1
Teacher Education	960	2	21.3	15	1	17.2	885	2	21.4
Engineering	1,666	4	24.9	36	2	18.5	1,558	4	25.1
Engineering-Related Technologies	980	2	23.5	55	3	19.1	875	2	23.8
Foreign Languages	314	1	24.1	5	0	19.8	284	1	24.2
Health Sciences & Allied Health Fields	6,413	14	21.9	343	18	18.2	5,799	16	22.1
Human, Family & Consumer Science	321	1	20.2	42	2	18.9	256	1	20.4
Letters	315	1	25.7	4	0	18.8	293	1	25.8
Mathematics	330	1	25.8	5	0	22.4	295	1	26.0
Philosophy, Religion & Theology	240	1	22.9	7	0	19.3	213	1	23.1
Sciences (Biological & Physical)	2,246	5	24.6	20	1	21.0	2,109	6	24.6
Social Sciences	2,231	5	23.3	21	1	18.2	2,109	6	23.3
Trade & Industrial	371	1	19.5	192	10	18.8	156	0	20.3
Visual & Performing Arts	2,043	5	22.3	129	7	19.4	1,755	5	22.6
Undecided	9,027	20	22.5	432	22	18.6	7,814	22	22.8
No Response	7,580	17	23.4	132	7	18.6	2,872	8	23.9

¹2-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*.

²Percent 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	327	19.0	4	14.5	3	15.3	293	19.3	4	16.8	7	14.0	16	19.2
2-yr College Degree	1,624	18.7	61	14.3	10	17.3	1,323	19.0	35	17.6	65	17.1	130	18.1
Bachelors Degree	19,051	21.7	468	16.7	95	20.0	15,924	22.0	319	19.5	785	18.7	1,460	21.7
Graduate Study	6,911	24.4	192	18.8	32	21.4	5,618	24.8	103	22.9	311	22.0	655	24.6
Prof. Level Degree	10,048	24.0	563	18.8	70	21.9	7,494	24.6	236	21.7	632	22.6	1,053	24.4
Other	880	20.0	41	15.5	8	19.5	668	20.6	18	16.6	52	17.2	93	20.4
No Response	6,022	23.1	300	16.8	21	21.3	3,690	23.6	97	18.9	281	19.6	1,633	23.9

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	12,184	5,196	6,988	1	4	15	31	30	17	2
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	7,616	2,245	5,371	0	3	19	39	28	10	1
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	5,478	1,754	3,724	1	6	27	40	21	5	0
SAINT CLOUD STATE UNIVERSITY	Minnesota	5,420	1,538	3,882	0	5	28	40	21	5	0
WINONA STATE UNIVERSITY	Minnesota	3,377	957	2,420	0	4	26	41	23	6	0
NORTH DAKOTA STATE UNIVERSITY	North Dakota	3,028	869	2,159	0	2	21	37	27	11	1
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	2,970	659	2,311	1	4	15	31	31	17	1
UNIV OF WISCONSIN-MADISON	Wisconsin	2,615	606	2,009	0	0	5	21	38	30	5
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,122	582	1,540	0	2	21	37	29	10	1
BEMIDJI STATE UNIVERSITY	Minnesota	2,048	651	1,397	0	4	29	42	20	6	0
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	1,939	520	1,419	0	6	29	37	22	6	0
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	1,733	404	1,329	0	2	12	28	35	21	2
COLLEGE OF ST BENEDICT/ST JOHN'S UNIV	Minnesota	1,728	589	1,139	0	1	12	33	33	18	2
SAINT OLAF COLLEGE	Minnesota	1,485	365	1,120	0	2	9	20	31	32	6
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,474	292	1,182	0	1	17	38	31	12	0
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,333	344	989	0	5	25	42	21	7	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	1,293	379	914	0	2	14	32	33	17	1
BETHEL UNIVERSITY	Minnesota	1,292	421	871	0	3	16	35	28	16	1
HAMLIN UNIVERSITY	Minnesota	1,116	205	911	2	8	22	29	25	13	1
IOWA STATE UNIVERSITY	Iowa	1,116	262	854	0	1	11	29	33	23	4
AUGSBURG COLLEGE	Minnesota	1,115	278	837	2	11	23	31	22	10	1
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	1,053	211	842	0	1	14	38	33	13	1
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	1,029	223	806	0	4	20	33	28	14	2
UNIV OF WISCONSIN-STOUT	Wisconsin	999	230	769	0	4	26	45	20	6	0
NORTHWESTERN COLLEGE	Minnesota	991	322	669	0	3	15	34	30	16	2
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	955	307	648	0	2	24	37	27	8	1
COLLEGE OF SAINT SCHOLASTICA	Minnesota	890	277	613	0	3	17	35	29	14	1
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	825	226	599	1	6	29	39	20	5	0
CONCORDIA UNIV-SAINT PAUL	Minnesota	750	122	628	3	14	31	27	19	6	0
NORMANDALE COMMUNITY COLLEGE	Minnesota	736	241	495	2	11	30	35	18	4	0
All Other Institutions		37,773	9,572	28,201	1	6	21	28	24	16	3
Total		108,483	30,847	77,636	1	5	20	33	26	14	2

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
All Students	30,635	770,529	22.6	21.4	7.5	7.3	22.0	20.9
African Am./Black	1,183	86,049	16.5	16.6	6.7	6.5	16.8	16.6
Am. Indian/Alaska Native	164	5,148	19.9	18.9	6.9	6.7	19.4	18.5
Caucasian Am./White	23,295	464,177	23.1	22.5	7.6	7.4	22.4	21.8
Hispanic	601	71,060	19.8	18.3	7.3	7.1	19.8	18.5
Asian Am./Pacific Islander	1,707	37,359	19.5	23.1	7.3	7.9	19.4	22.6
Other/No Response	3,685	106,736	23.4	22.2	7.6	7.5	22.6	21.7
Males	13,171	327,613	22.3	20.9	7.2	7.0	21.5	20.2
Females	16,234	421,968	22.8	21.7	7.7	7.6	22.3	21.3
Missing	1,230	20,948	23.8	23.9	7.8	7.9	23.1	23.2

