

ACT High School Profile Report

The Graduating Class of 2007
Michigan



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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

How to Improve Scores and Increase College Readiness

26% 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. 78,135 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. 50% 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 14% of the cohort took less than three years of math courses. Of these students, 18% were college ready. 15% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 20% of these students were college ready. In comparison, 58% 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 22% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 38% 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 43% 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.

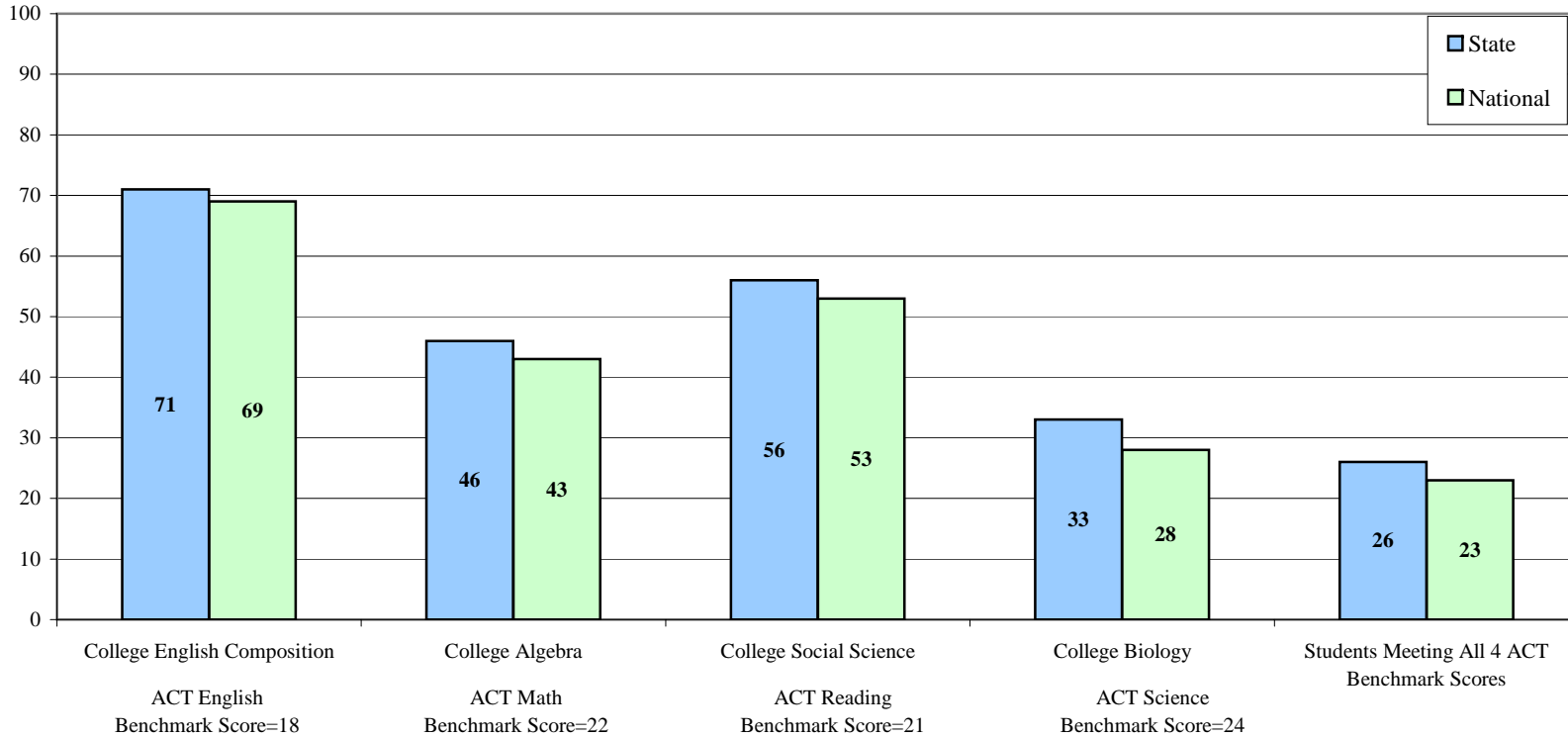
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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
2003	75,127	1,175,059	69	67	44	40	56	52	31	26	24	20
2004	73,434	1,171,460	69	68	44	40	56	52	31	26	24	21
2005	74,307	1,186,251	70	68	45	41	55	51	32	26	25	21
2006	72,751	1,206,455	70	69	45	42	56	53	32	27	25	21
2007	78,135	1,300,599	71	69	46	43	56	53	33	28	26	23

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	75,127	1,175,059	20.5	20.3	21.1	20.6	21.7	21.2	21.6	20.8	21.3	20.8
2004	73,434	1,171,460	20.5	20.4	21.1	20.7	21.8	21.3	21.5	20.9	21.4	20.9
2005	74,307	1,186,251	20.7	20.4	21.2	20.7	21.8	21.3	21.6	20.9	21.4	20.9
2006	72,751	1,206,455	20.7	20.6	21.2	20.8	21.8	21.4	21.7	20.9	21.5	21.1
2007	78,135	1,300,599	20.7	20.7	21.3	21.0	21.8	21.5	21.7	21.0	21.5	21.2

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
2007	1,300,599	20.7	21.0	21.5	21.0	21.2

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

Grad Year	Number of Students Tested		Percent ¹		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	41,237	30,638	55	41	21.7	18.8	22.3	19.3	22.8	20.3	22.5	20.3	22.5	19.8
2004	39,913	29,643	54	40	21.8	18.8	22.4	19.3	22.9	20.4	22.5	20.2	22.5	19.8
2005	39,706	29,963	53	40	21.9	19.0	22.4	19.5	22.9	20.4	22.6	20.3	22.6	19.9
2006	37,887	29,112	52	40	21.8	19.1	22.4	19.6	22.8	20.5	22.6	20.5	22.5	20.0
2007	38,703	30,454	50	39	21.9	19.2	22.5	19.8	22.8	20.6	22.6	20.5	22.6	20.1

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

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	75,127	100	21.3	73,434	100	21.4	74,307	100	21.4	72,751	100	21.5	78,135	100	21.5
African American/Black	7,677	10	17.1	7,706	10	17.0	8,216	11	17.0	7,985	11	17.1	9,285	12	16.9
American Indian/Alaska Native	442	1	19.9	465	1	20.2	440	1	20.2	456	1	20.1	500	1	20.4
Caucasian American/White	56,454	75	21.9	54,389	74	21.9	54,397	73	22.1	51,954	71	22.1	52,309	67	22.2
Hispanic	1,539	2	19.9	1,604	2	19.8	1,678	2	19.8	1,714	2	19.9	1,901	2	19.8
Asian American/Pacific Islander	2,002	3	22.5	1,908	3	23.0	2,100	3	23.0	2,019	3	23.1	1,935	2	23.5
Other/No Response	7,013	9	21.3	7,362	10	21.6	7,476	10	21.5	8,623	12	21.5	12,205	16	21.9

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	104	100	186	100	321	100	204	100	17	100	36
35	628	100	397	100	725	100	669	100	145	100	35
34	789	99	589	99	1,025	99	330	99	351	100	34
33	845	98	586	99	1,265	97	800	98	534	99	33
32	862	97	862	98	1,576	96	618	97	876	99	32
31	1,231	96	1,446	97	2,235	94	722	97	1,139	98	31
30	1,342	94	1,073	95	2,110	91	1,329	96	1,691	96	30
29	1,806	93	2,296	93	2,345	88	1,398	94	2,037	94	29
28	2,431	90	2,168	90	3,821	85	1,974	92	2,586	91	28
27	2,413	87	3,417	88	3,007	80	2,301	90	3,215	88	27
26	3,272	84	4,224	83	3,110	76	3,994	87	3,812	84	26
25	4,366	80	4,731	78	3,425	72	5,178	82	4,593	79	25
24	3,988	74	5,048	72	4,599	68	6,034	75	5,186	73	24
23	4,091	69	4,240	65	5,588	62	6,191	67	5,562	66	23
22	5,570	64	4,493	60	3,681	55	7,861	59	5,899	59	22
21	5,973	57	4,403	54	4,592	50	6,618	49	6,176	52	21
20	6,195	49	4,553	49	5,649	44	7,547	41	6,061	44	20
19	5,209	41	4,968	43	4,964	37	5,908	31	5,943	36	19
18	4,120	35	5,403	36	3,518	31	5,522	24	5,232	29	18
17	3,349	29	6,202	30	4,249	26	3,613	17	4,660	22	17
16	4,405	25	7,649	22	4,356	21	2,329	12	3,893	16	16
15	3,831	19	4,849	12	2,895	15	1,873	9	3,132	11	15
14	3,258	14	2,947	6	3,202	12	1,525	7	2,362	7	14
13	1,867	10	892	2	2,259	8	1,125	5	1,595	4	13
12	1,655	8	356	1	2,095	5	961	3	970	2	12
11	1,443	6	109	1	850	2	751	2	335	1	11
10	1,152	4	32	1	405	1	510	1	104	1	10
9	692	2	10	1	122	1	140	1	18	1	9
8	828	2	1	1	63	1	61	1	8	1	8
7	300	1	2	1	50	1	30	1	1	1	7
6	69	1	2	1	15	1	8	1	2	1	6
5	35	1	0	1	13	1	6	1	0	1	5
4	10	1	0	1	3	1	2	1	0	1	4
3	5	1	0	1	1	1	2	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	1	1	1	1	0	1	1	1	0	1	1
Avg (SD)	20.7 (5.8)		21.3 (5.1)		21.8 (5.9)		21.7 (4.8)		21.5 (4.8)		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	1,647	100	529	100	1,327	100	2,266	100	2,064	100	822	100	957	100	18
17	3,312	98	1,403	99	3,980	98	3,754	97	3,154	97	834	99	350	99	17
16	3,041	94	2,849	98	5,174	93	4,735	92	4,439	93	1,884	98	2,375	98	16
15	2,774	90	5,132	94	4,479	87	5,740	86	5,026	88	3,588	95	4,107	95	15
14	5,386	86	5,846	87	5,663	81	6,339	79	5,816	81	6,050	91	6,500	90	14
13	5,107	79	6,633	80	5,279	74	6,675	71	8,764	74	9,163	83	7,770	82	13
12	6,736	73	8,389	71	9,075	67	7,047	62	6,464	63	7,955	71	8,872	72	12
11	7,352	64	11,565	61	9,683	55	6,439	53	6,587	54	9,504	61	9,400	60	11
10	8,858	55	9,228	46	7,141	43	8,014	45	8,328	46	12,324	49	11,020	48	10
9	7,492	43	8,162	34	7,150	34	6,581	35	5,732	35	9,863	33	10,121	34	9
8	7,984	34	7,524	24	8,379	25	5,447	26	7,379	28	6,470	21	6,438	21	8
7	5,651	24	4,280	14	4,174	14	4,670	19	8,761	18	3,575	12	4,612	13	7
6	4,707	16	2,750	8	3,043	8	5,338	13	3,607	7	3,026	8	2,108	7	6
5	3,964	10	2,096	5	1,631	5	3,006	7	1,178	3	1,735	4	1,221	4	5
4	2,494	5	1,197	2	1,196	3	1,570	3	548	1	457	2	1,130	3	4
3	1,161	2	445	1	526	1	361	1	213	1	730	1	703	1	3
2	413	1	94	1	179	1	143	1	58	1	6	1	264	1	2
1	56	1	13	1	56	1	10	1	17	1	149	1	187	1	1
Avg (SD)	10.3 (3.7)		10.8 (3.1)		11.1 (3.4)		11.1 (3.7)		11.1 (3.4)		10.7 (2.9)		10.7 (3.0)		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)	25	25	26	24	25
Q2 (50th Percentile)	21	21	21	22	21
Q1 (25th Percentile)	16	17	17	19	18

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	78,135	50	22.6	20.1
	African Am./Black	9,285	55	17.5	16.1
	Am. Indian/Alaska Native	500	40	22.2	19.1
	Caucasian Am./White	52,309	51	23.5	20.7
	Hispanic	1,901	47	21.0	18.7
	Asian Am./Pacific Islander	1,935	58	24.3	21.9
	Other/No Response	12,205	40	22.8	20.5
National	All Students	1,300,599	51	22.0	19.8
	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	All Students	20.7	21.3	21.8	21.7	21.5
	African Am./Black	15.8	16.8	17.2	17.4	16.9
	Am. Indian/Alaska Native	19.3	20.1	21.0	20.9	20.4
	Caucasian Am./White	21.5	22.0	22.6	22.4	22.2
	Hispanic	18.7	19.6	20.2	20.2	19.8
	Asian Am./Pacific Islander	22.7	24.3	23.0	23.3	23.5
	Other/No Response	21.2	21.7	22.3	21.9	21.9
National	All Students	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	2,366	3	1,758	2	3,336	4	2,003	3
	28 to 32	7,672	10	7,845	10	12,087	15	6,041	8
	24 to 27	14,039	18	17,420	22	14,141	18	17,507	22
	20 to 23	21,829	28	17,689	23	19,510	25	28,217	36
	16 to 19	17,083	22	24,222	31	17,087	22	17,372	22
	13 to 15	8,956	11	8,688	11	8,356	11	4,523	6
	01 to 12	6,190	8	513	1	3,618	5	2,472	3
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	33,678	43	20.3	22.1	21.6	22.2	21.7
	Females	40,100	51	21.0	20.6	22.0	21.2	21.3
	Missing	4,357	6	21.2	21.8	22.3	22.0	21.9
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	68	52	54	38	30
	Females	72	40	57	28	22
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

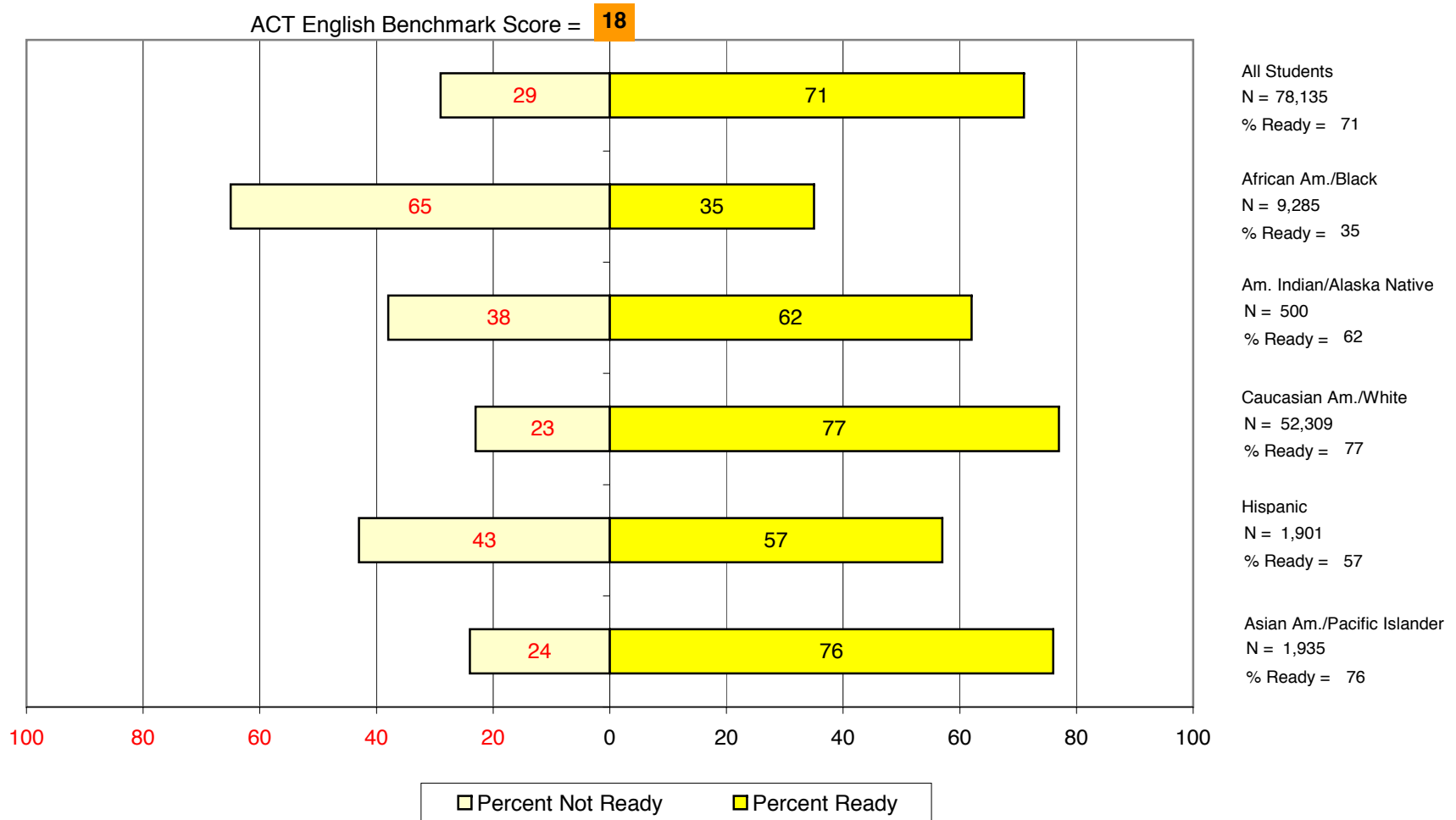


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

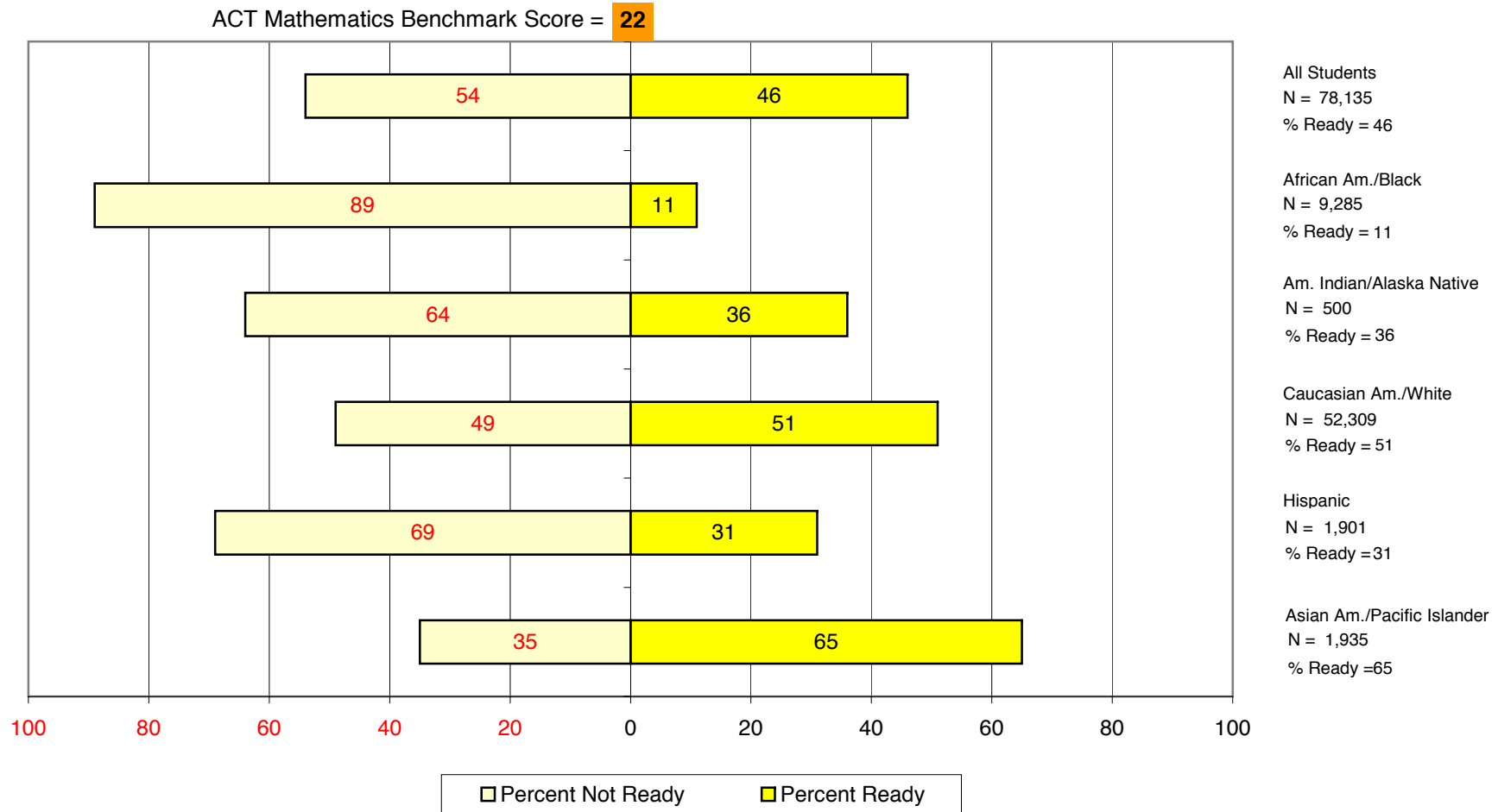


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

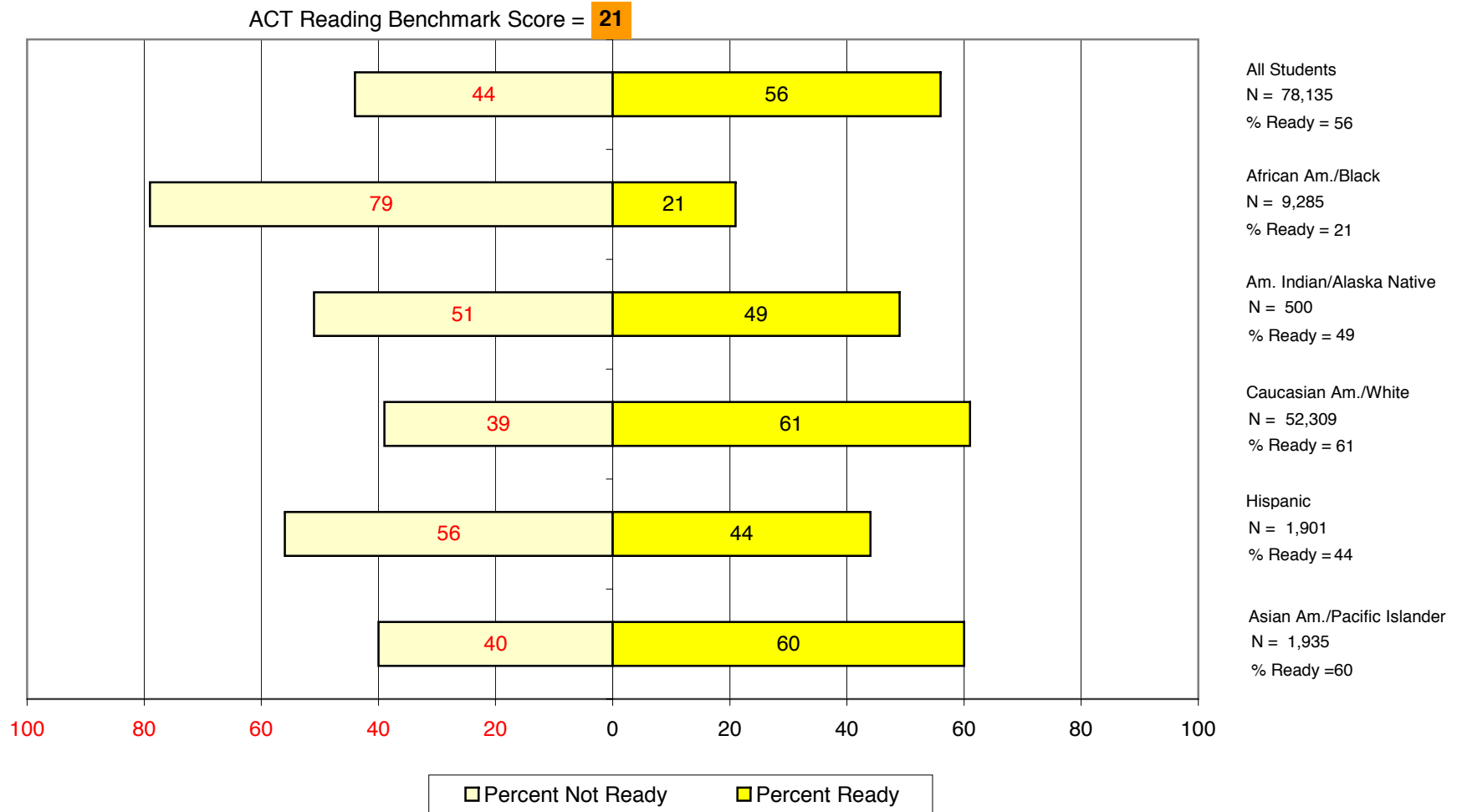


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

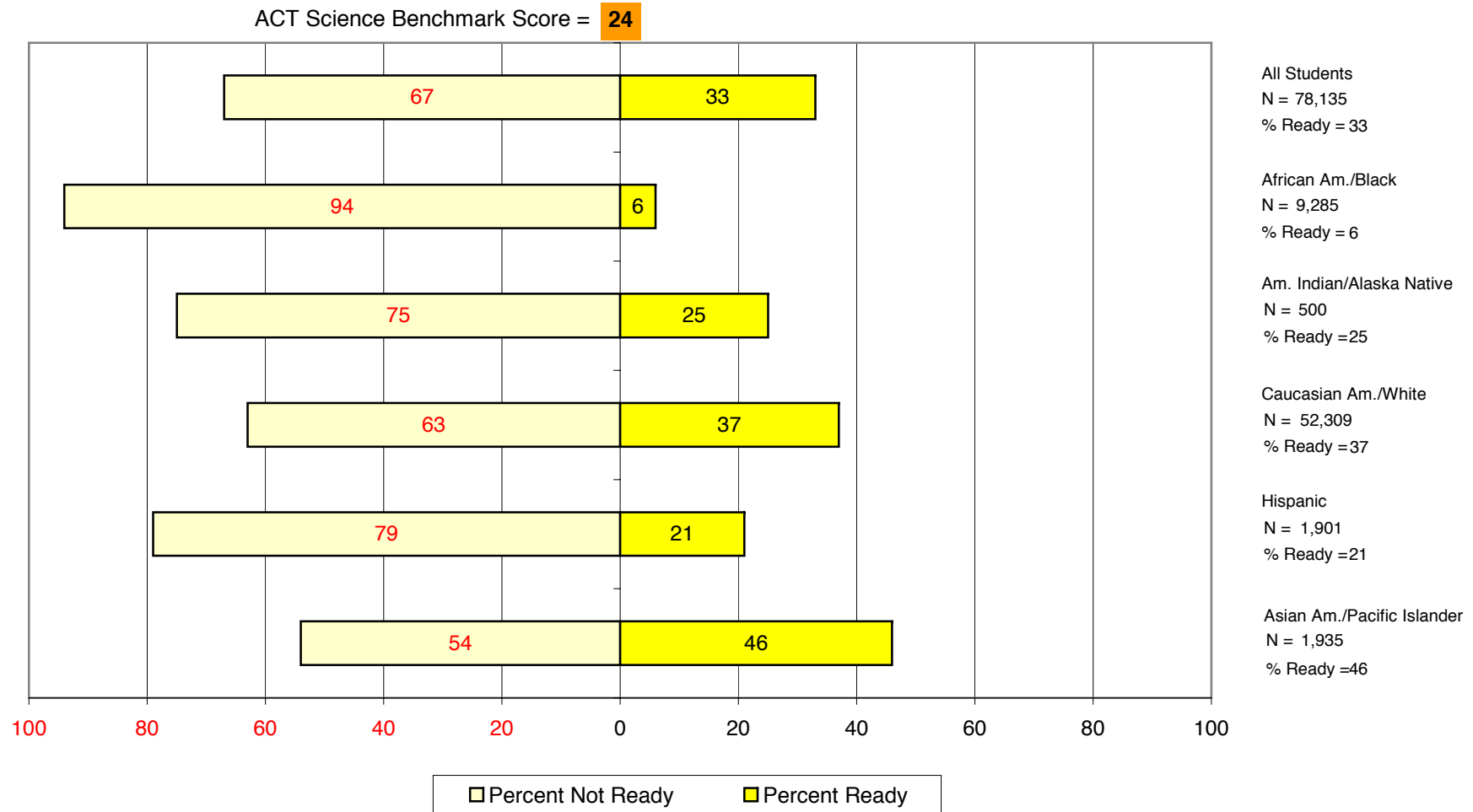


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

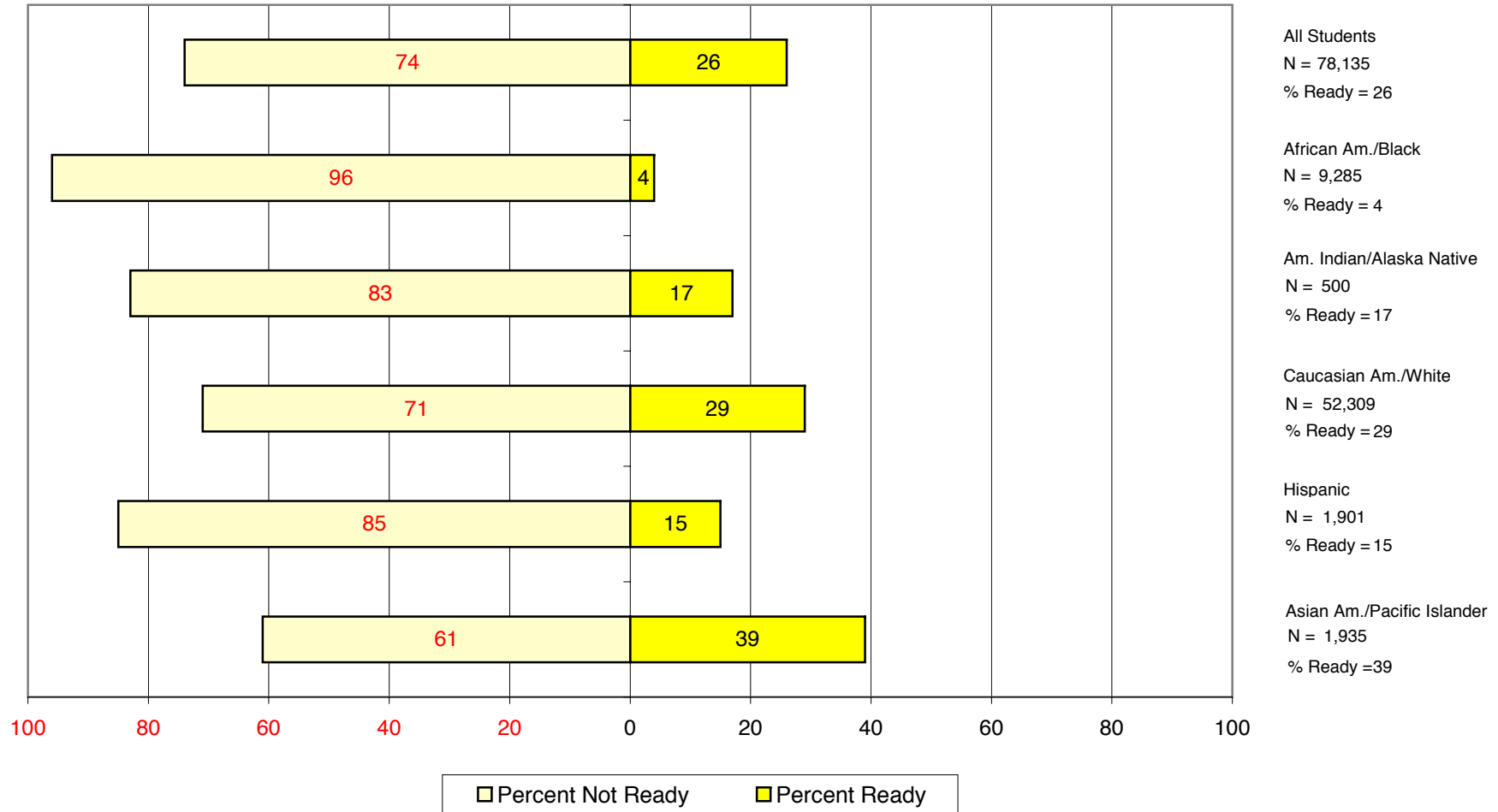


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added 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	17,010	22	22.1	2.7	6,170	18	21.6	2.5	10,226	26	22.4	2.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	40,719	52	20.5	1.1	18,305	54	20.3	1.2	21,027	52	20.6	1.0
Less than 4 years of English	11,144	14	19.4	-	5,264	16	19.1	-	5,267	13	19.6	-
No English course/grade information reported	9,262	12	20.9	-	3,939	12	20.1	-	3,580	9	21.3	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	4,874	6	24.9	6.8	2,241	7	25.6	7.1	2,452	6	24.2	6.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,841	7	22.6	4.5	2,233	7	23.4	4.9	3,434	9	22.1	4.5
Alg 1, Alg 2, Geom, & Trig	6,566	8	21.2	3.1	2,849	8	21.9	3.4	3,439	9	20.6	3.0
Alg 1, Alg 2, Geom, & Other Adv Math	8,092	10	20.3	2.2	2,978	9	20.9	2.4	4,813	12	19.9	2.3
Other comb of 4 or more years of Math	16,963	22	24.3	6.2	8,185	24	25.2	6.7	8,245	21	23.5	5.9
Alg 1, Alg 2, & Geom (Min. Core)	11,487	15	18.6	0.5	4,591	14	19.2	0.7	6,450	16	18.1	0.5
Other comb of 3 or 3.5 years of Math	3,697	5	20.5	2.4	1,731	5	21.3	2.8	1,844	5	19.8	2.2
Less than 3 years of Math	10,661	14	18.1	-	4,612	14	18.5	-	5,530	14	17.6	-
No Math course/grade information reported	9,954	13	21.4	-	4,258	13	21.7	-	3,893	10	20.7	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,342	2	24.0	3.0	688	2	23.9	3.1	601	1	24.2	3.1
Other comb of 4 or more years Social Science	27,468	35	22.2	1.2	11,504	34	22.0	1.2	14,995	37	22.4	1.3
US Hist, World Hist, & Am Gov (Min. Core)	3,074	4	22.0	1.0	1,567	5	21.9	1.1	1,361	3	22.2	1.1
Other comb of 3 or 3.5 years of Social Science	25,547	33	21.6	0.6	10,670	32	21.5	0.7	14,001	35	21.7	0.6
Less than 3 years of Social Science	10,916	14	21.0	-	5,035	15	20.8	-	5,374	13	21.1	-
No Soc Sci course/grade information reported	9,788	13	21.9	-	4,214	13	21.4	-	3,768	9	22.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	21,688	28	23.1	3.3	10,349	31	23.7	3.7	10,638	27	22.4	2.8
Bio, Chem, Phys	5,932	8	24.7	4.9	2,854	8	25.5	5.5	2,844	7	23.9	4.3
Gen Sci ² , Bio, Chem (Min. Core)	20,587	26	21.0	1.2	7,440	22	21.3	1.3	12,397	31	20.8	1.2
Other comb of 3 years of Natural Science	2,533	3	21.4	1.6	1,383	4	22.0	2.0	1,061	3	20.5	0.9
Less than 3 years of Natural Science	17,439	22	19.8	-	7,352	22	20.0	-	9,337	23	19.6	-
No Nat Sci course/grade information reported	9,956	13	21.7	-	4,300	13	21.8	-	3,823	10	21.2	-

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	17,010	22	22.1	79	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	40,719	52	20.5	69	766,001	59	20.5	68
Less than 4 years of English	11,144	14	19.4	62	141,777	11	19.7	64
No English course/grade information reported	9,262	12	20.9	72	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	4,874	6	24.9	77	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,841	7	22.6	61	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	6,566	8	21.2	47	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	8,092	10	20.3	39	163,562	13	20.4	38
Other comb of 4 or more years of Math	16,963	22	24.3	70	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	11,487	15	18.6	20	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	3,697	5	20.5	39	57,945	4	20.9	43
Less than 3 years of Math	10,661	14	18.1	18	145,617	11	18.3	21
No Math course/grade information reported	9,954	13	21.4	46	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,342	2	24.0	69	31,985	2	22.7	61
Other comb of 4 or more years Social Science	27,468	35	22.2	58	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	3,074	4	22.0	55	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	25,547	33	21.6	54	333,689	26	21.4	52
Less than 3 years of Social Science	10,916	14	21.0	49	201,605	16	20.6	47
No Soc Sci course/grade information reported	9,788	13	21.9	56	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	21,688	28	23.1	45	333,648	26	22.4	40
Bio, Chem, Phys	5,932	8	24.7	59	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	20,587	26	21.0	26	353,348	27	20.2	20
Other comb of 3 years of Natural Science	2,533	3	21.4	30	32,593	3	20.4	24
Less than 3 years of Natural Science	17,439	22	19.8	17	247,312	19	19.1	15
No Nat Sci course/grade information reported	9,956	13	21.7	33	218,401	17	20.9	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	596	1	19.4	88	3	17.1	486	1	20.0
Architecture & Environmental Design	1,352	2	21.1	76	2	17.3	1,215	2	21.4
Business & Management	5,876	8	20.5	295	9	17.1	5,347	9	20.8
Business & Office	312	0	20.1	40	1	18.4	259	0	20.4
Marketing & Distribution	467	1	20.5	16	1	18.8	436	1	20.6
Communications & Comm. Technologies	1,815	2	21.3	87	3	18.2	1,658	3	21.5
Community & Personal Services	2,023	3	19.0	231	7	17.4	1,700	3	19.2
Computer & Information Sciences	1,409	2	22.5	82	3	18.4	1,256	2	22.8
Cross-Disciplinary Studies	54	0	23.9	1	0	19.0	53	0	24.0
Education	2,716	3	21.3	46	1	16.3	2,566	4	21.4
Teacher Education	1,941	2	20.9	26	1	16.8	1,835	3	21.1
Engineering	2,887	4	22.7	103	3	16.6	2,677	4	23.1
Engineering-Related Technologies	1,868	2	22.2	107	3	17.6	1,704	3	22.5
Foreign Languages	310	0	23.7	8	0	17.5	292	0	23.9
Health Sciences & Allied Health Fields	12,314	16	21.0	482	15	17.5	11,395	19	21.3
Human, Family & Consumer Science	762	1	18.6	102	3	16.9	619	1	18.9
Letters	523	1	24.5	9	0	20.6	498	1	24.7
Mathematics	306	0	24.7	5	0	12.6	289	0	24.9
Philosophy, Religion & Theology	304	0	22.5	10	0	19.9	281	0	22.7
Sciences (Biological & Physical)	2,640	3	24.0	21	1	18.8	2,531	4	24.1
Social Sciences	3,983	5	22.2	31	1	18.5	3,816	6	22.3
Trade & Industrial	791	1	18.7	311	10	17.8	437	1	19.4
Visual & Performing Arts	3,662	5	21.2	245	8	17.7	3,201	5	21.6
Undecided	9,353	12	21.5	450	14	17.8	8,300	14	21.8
No Response	19,871	25	22.0	316	10	17.2	7,886	13	22.4

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	640	17.1	133	14.5	5	16.4	411	18.0	16	15.9	3	18.3	72	17.1
2-yr College Degree	2,548	17.6	353	14.3	22	16.7	1,760	18.4	86	16.1	36	16.4	291	17.6
Bachelors Degree	27,876	20.7	2,590	16.2	192	19.6	20,765	21.3	646	19.2	445	20.4	3,238	20.6
Graduate Study	13,365	23.1	1,360	18.0	85	21.9	9,638	23.8	292	21.8	335	24.3	1,655	23.2
Prof. Level Degree	19,496	22.4	3,142	17.8	122	21.9	12,095	23.5	540	20.9	755	25.2	2,842	22.6
Other	1,688	18.3	385	15.2	13	19.2	940	19.5	56	17.3	35	17.9	259	18.7
No Response	12,522	21.8	1,322	16.8	61	19.9	6,700	22.3	265	18.9	326	24.1	3,848	22.6

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
MICHIGAN STATE UNIVERSITY	Michigan	25,033	9,026	16,007	1	6	19	33	28	13	1
CENTRAL MICHIGAN UNIVERSITY	Michigan	16,426	4,045	12,381	1	7	29	37	20	6	0
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	15,963	5,980	9,983	1	3	12	25	32	23	3
GRAND VALLEY STATE UNIVERSITY	Michigan	15,853	4,277	11,576	1	6	23	36	25	9	0
WESTERN MICHIGAN UNIVERSITY	Michigan	14,018	2,656	11,362	1	6	27	37	22	7	0
EASTERN MICHIGAN UNIVERSITY	Michigan	9,346	2,285	7,061	2	13	32	31	16	5	0
FERRIS STATE UNIVERSITY	Michigan	9,080	2,488	6,592	1	10	33	34	16	5	0
WAYNE STATE UNIVERSITY	Michigan	8,473	2,209	6,264	4	16	32	27	15	5	0
OAKLAND UNIVERSITY	Michigan	7,235	1,810	5,425	2	10	29	34	19	6	0
SAGINAW VALLEY STATE UNIVERSITY	Michigan	5,079	1,196	3,883	2	11	33	34	16	4	0
NORTHERN MICHIGAN UNIVERSITY	Michigan	3,657	1,248	2,409	1	7	29	35	22	6	0
UNIVERSITY OF MICHIGAN-DEARBORN	Michigan	3,416	765	2,651	1	8	28	33	21	8	1
GRAND RAPIDS COMMUNITY COLLEGE	Michigan	3,396	1,222	2,174	2	12	35	33	15	4	0
MICHIGAN TECHNOLOGICAL UNIVERSITY	Michigan	3,205	878	2,327	1	4	16	28	31	18	2
MICHIGAN HIGHER EDUC ASST AUTHORITY	Michigan	2,179	1,067	1,112	3	11	20	29	24	12	1
HOPE COLLEGE	Michigan	2,087	461	1,626	1	4	15	29	32	18	2
LAKE SUPERIOR STATE UNIVERSITY	Michigan	1,897	474	1,423	1	7	31	35	19	6	0
OAKLAND COMMUNITY COLLEGE	Michigan	1,833	416	1,417	4	17	36	30	11	2	0
UNIVERSITY OF MICHIGAN-FLINT	Michigan	1,810	442	1,368	2	8	28	36	20	6	0
LANSING COMMUNITY COLLEGE	Michigan	1,797	579	1,218	2	12	34	33	14	5	0
UNIVERSITY OF DETROIT MERCY	Michigan	1,763	301	1,462	4	18	31	26	14	6	0
LAWRENCE TECHNOLOGICAL UNIVERSITY	Michigan	1,693	488	1,205	2	8	22	30	26	11	1
MACOMB COMMUNITY COLLEGE	Michigan	1,688	529	1,159	3	13	40	29	12	2	0
HENRY FORD COMMUNITY COLLEGE	Michigan	1,567	392	1,175	6	23	40	22	7	1	0
CALVIN COLLEGE	Michigan	1,536	545	991	1	3	15	27	31	21	2
ALBION COLLEGE	Michigan	1,509	326	1,183	0	4	16	29	33	17	1
DELTA COLLEGE	Michigan	1,433	566	867	2	10	34	36	15	3	0
SCHOOLCRAFT COLLEGE	Michigan	1,419	481	938	2	17	36	31	11	2	0
ALMA COLLEGE	Michigan	1,263	307	956	0	4	22	35	26	12	1
KALAMAZOO VALLEY COMMUNITY COLLEGE	Michigan	1,248	360	888	2	13	38	31	13	2	0
All Other Institutions		70,857	17,026	53,831	3	11	25	26	20	12	2
Total		237,759	64,845	172,914	2	9	25	31	21	10	1

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	48,926	532,943	21.7	22.3	7.3	7.6	21.1	21.8
African Am./Black	5,444	50,340	16.6	17.2	6.4	6.7	16.6	17.3
Am. Indian/Alaska Native	276	3,462	19.8	19.8	7.0	7.0	19.4	19.4
Caucasian Am./White	32,454	308,578	22.4	23.4	7.4	7.6	21.7	22.6
Hispanic	1,200	42,588	19.3	18.8	7.1	7.3	19.1	19.0
Asian Am./Pacific Islander	1,438	25,616	24.1	23.2	8.0	8.0	23.5	22.8
Other/No Response	8,114	102,359	22.2	23.2	7.5	7.8	21.6	22.7
Males	20,184	204,427	21.4	22.0	7.1	7.3	20.7	21.3
Females	25,870	285,556	21.8	22.5	7.5	7.7	21.4	22.1
Missing	2,872	42,960	22.0	23.0	7.5	7.8	21.5	22.6

