

ACT High School Profile Report

The Graduating Class of 2006
Michigan



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This report provides information about the performance of your 2006 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 - college 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: A Test Like No Other

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

25% of 2006 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. 72,751 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. 52% 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, 15% were college ready. 15% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 19% of these students were college ready. In comparison, 57% 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 23% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 37% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES. Table 2.4 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.

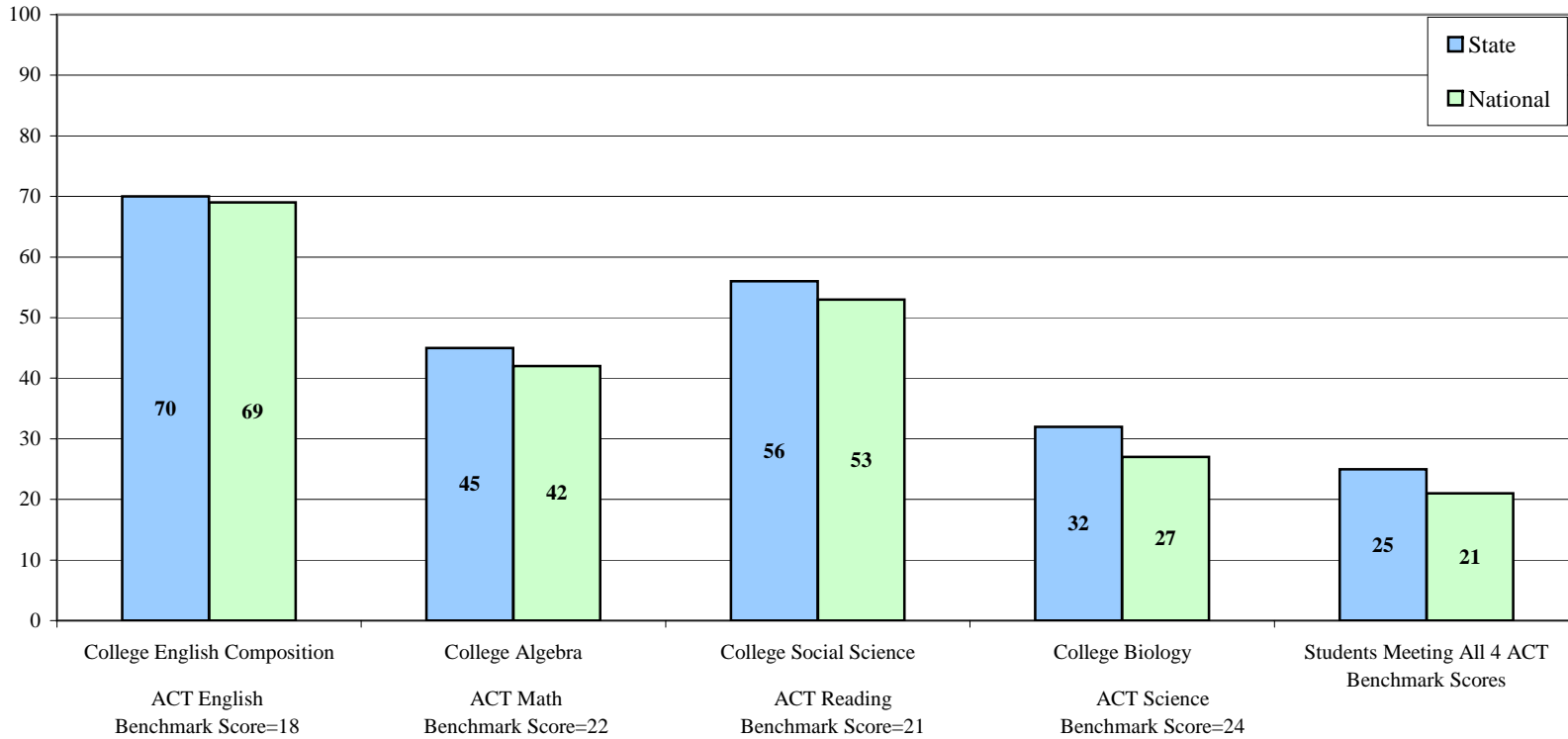
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 courses.

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
2002	71,882	1,116,082	69	67	44	39	57	53	30	26	24	20
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

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
2002	71,882	1,116,082	20.4	20.2	21.2	20.6	21.7	21.1	21.6	20.8	21.3	20.8
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2002	1,116,082	20.2	20.6	21.1	20.8	20.8
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

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
2002	39,912	29,449	56	41	21.6	18.8	22.4	19.5	22.7	20.2	22.5	20.3	22.5	19.8
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

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

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	71,882	100	21.3	75,127	100	21.3	73,434	100	21.4	74,307	100	21.4	72,751	100	21.5
African American/Black	7,185	10	17.0	7,677	10	17.1	7,706	10	17.0	8,216	11	17.0	7,985	11	17.1
American Indian/Alaskan Native	451	1	20.3	442	1	19.9	465	1	20.2	440	1	20.2	456	1	20.1
Caucasian American/White	54,182	75	21.9	56,454	75	21.9	54,389	74	21.9	54,397	73	22.1	51,954	71	22.1
Hispanic	1,527	2	19.9	1,539	2	19.9	1,604	2	19.8	1,678	2	19.8	1,714	2	19.9
Asian American/Pacific Islander	1,923	3	22.5	2,002	3	22.5	1,908	3	23.0	2,100	3	23.0	2,019	3	23.1
Other/No Response	6,614	9	21.3	7,013	9	21.3	7,362	10	21.6	7,476	10	21.5	8,623	12	21.5

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	125	100	155	100	384	100	140	100	25	100	36
35	496	100	243	100	729	99	333	100	114	100	35
34	708	99	626	99	1,190	98	364	99	245	100	34
33	703	98	502	99	1,300	97	451	99	442	99	33
32	788	97	582	98	983	95	758	98	661	99	32
31	937	96	901	97	1,706	94	696	97	1,010	98	31
30	1,385	95	1,412	96	1,795	91	487	96	1,460	97	30
29	1,971	93	1,737	94	2,439	89	1,345	96	1,878	95	29
28	2,339	90	2,188	92	2,356	86	1,953	94	2,380	92	28
27	1,877	87	3,340	89	3,784	82	2,093	91	2,889	89	27
26	2,891	84	3,943	84	3,174	77	5,056	88	3,712	85	26
25	3,985	80	4,578	79	3,812	73	4,177	81	4,109	80	25
24	3,495	75	4,460	72	4,122	67	5,548	75	4,681	74	24
23	3,731	70	4,148	66	4,395	62	6,281	68	5,215	68	23
22	4,983	65	3,629	60	4,366	56	6,581	59	5,640	60	22
21	5,364	58	4,330	55	4,381	50	6,634	50	5,988	53	21
20	5,969	51	4,514	49	4,143	44	7,068	41	5,924	44	20
19	4,953	43	4,466	43	5,294	38	6,520	31	5,602	36	19
18	4,289	36	5,276	37	3,493	31	4,844	22	5,181	29	18
17	3,642	30	6,794	30	4,203	26	3,632	16	4,624	21	17
16	4,187	25	6,375	21	3,364	20	2,308	11	3,835	15	16
15	3,952	19	4,378	12	2,769	16	1,810	8	2,861	10	15
14	3,167	14	2,716	6	3,418	12	1,187	5	1,958	6	14
13	1,666	9	956	2	2,059	7	890	3	1,315	3	13
12	1,388	7	359	1	1,751	4	652	2	673	1	12
11	1,268	5	92	1	847	2	503	1	239	1	11
10	934	3	28	1	248	1	237	1	67	1	10
9	661	2	14	1	131	1	116	1	17	1	9
8	571	1	3	1	60	1	55	1	5	1	8
7	243	1	2	1	25	1	18	1	1	1	7
6	48	1	2	1	16	1	9	1	0	1	6
5	25	1	1	1	9	1	2	1	0	1	5
4	9	1	1	1	2	1	0	1	0	1	4
3	1	1	0	1	2	1	3	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	1
Average	20.7		21.2		21.8		21.7		21.5		Average

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	1,753	100	461	100	1,109	100	1,972	100	2,118	100	584	100	673	100	18
17	2,600	98	1,538	99	3,892	98	3,346	97	2,456	97	1,098	99	781	99	17
16	2,690	94	2,597	97	3,752	93	4,402	93	4,561	94	1,154	98	1,816	98	16
15	3,338	90	4,605	94	5,116	88	5,162	87	4,014	87	2,976	96	3,998	96	15
14	4,940	86	5,693	87	4,790	81	5,541	80	4,764	82	6,479	92	5,891	90	14
13	3,627	79	6,187	80	6,384	74	5,937	72	7,956	75	4,612	83	8,099	82	13
12	5,946	74	7,034	71	7,382	66	7,113	64	8,248	64	10,788	77	8,024	71	12
11	6,855	66	10,128	61	8,021	55	6,190	54	5,575	53	8,316	62	7,249	60	11
10	9,249	56	8,772	47	6,540	44	7,592	45	6,546	45	11,333	51	13,064	50	10
9	7,058	44	9,177	35	8,293	35	6,975	35	6,083	36	11,902	35	7,254	32	9
8	6,898	34	6,595	23	7,298	24	4,814	25	8,497	28	5,668	19	6,022	22	8
7	6,192	24	4,065	14	4,027	14	4,525	19	7,189	16	1,722	11	4,091	14	7
6	5,080	16	2,553	8	3,342	8	4,792	13	3,083	7	2,716	8	2,912	8	6
5	2,981	9	2,016	5	1,409	4	2,573	6	985	2	2,051	5	384	4	5
4	2,204	5	901	2	726	2	1,301	2	427	1	525	2	1,651	3	4
3	1,003	2	320	1	473	1	402	1	191	1	640	1	146	1	3
2	307	1	104	1	141	1	104	1	50	1	47	1	535	1	2
1	30	1	5	1	56	1	10	1	8	1	140	1	161	1	1
Average	10.2		10.8		11.1		11.1		11.1		10.6		10.7		Average

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

Table 2.3. 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	72,751	52	22.5	20.0
	African Am./Black	7,985	58	17.6	16.2
	Am. Indian/Alaskan Native	456	48	21.3	18.7
	Caucasian Am./White	51,954	52	23.4	20.6
	Hispanic	1,714	48	21.1	18.8
	Asian Am./Pacific Islander	2,019	63	23.8	21.1
	Other/No Response	8,623	45	22.5	20.0
National	All Students	1,206,455	54	22.0	19.7
	African Am./Black	139,118	53	17.8	16.2
	Am. Indian/Alaskan Native	13,635	48	20.2	17.5
	Caucasian Am./White	760,084	56	22.9	20.6
	Hispanic	85,796	52	19.5	17.6
	Asian Am./Pacific Islander	39,867	60	22.9	21.1
	Other/No Response	167,955	41	22.2	19.8

Table 2.4. 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	2,032	3	1,526	2	3,603	5	1,288	2
	28 to 32	7,420	10	6,820	9	9,279	13	5,239	7
	24 to 27	12,248	17	16,321	22	14,892	20	16,874	23
	20 to 23	20,047	28	16,621	23	17,285	24	26,564	37
	16 to 19	17,071	23	22,911	31	16,354	22	17,304	24
	13 to 15	8,785	12	8,050	11	8,246	11	3,887	5
	01 to 12	5,148	7	502	1	3,092	4	1,595	2
National	33 to 36	35,933	3	24,395	2	56,816	5	18,798	2
	28 to 32	126,394	10	103,455	9	150,082	12	67,815	6
	24 to 27	205,310	17	250,510	21	224,470	19	238,007	20
	20 to 23	321,306	27	264,179	22	280,741	23	419,135	35
	16 to 19	267,738	22	399,519	33	269,040	22	326,445	27
	13 to 15	149,825	12	154,528	13	156,903	13	90,944	8
	01 to 12	99,949	8	9,869	1	68,403	6	45,311	4

Table 2.5. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	32,235	44	20.3	22.0	21.5	22.4	21.7
	Females	38,832	53	21.0	20.6	22.1	21.1	21.3
	Missing	1,684	2	20.1	20.8	21.3	21.2	21.0
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

Table 2.6. 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	51	54	39	29
	Females	72	40	58	27	21
National	Males	66	47	51	32	25
	Females	71	37	55	23	18

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

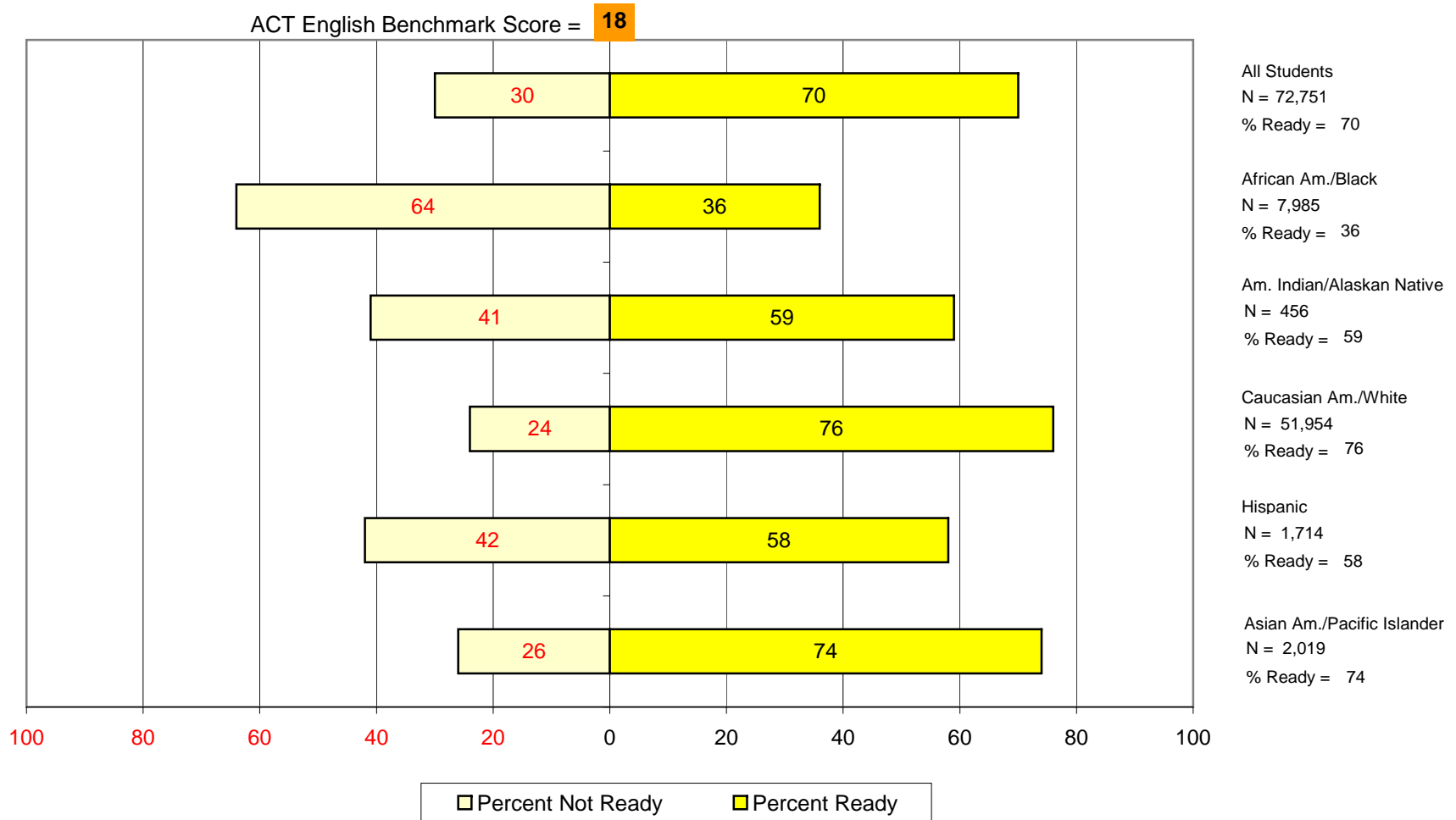


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

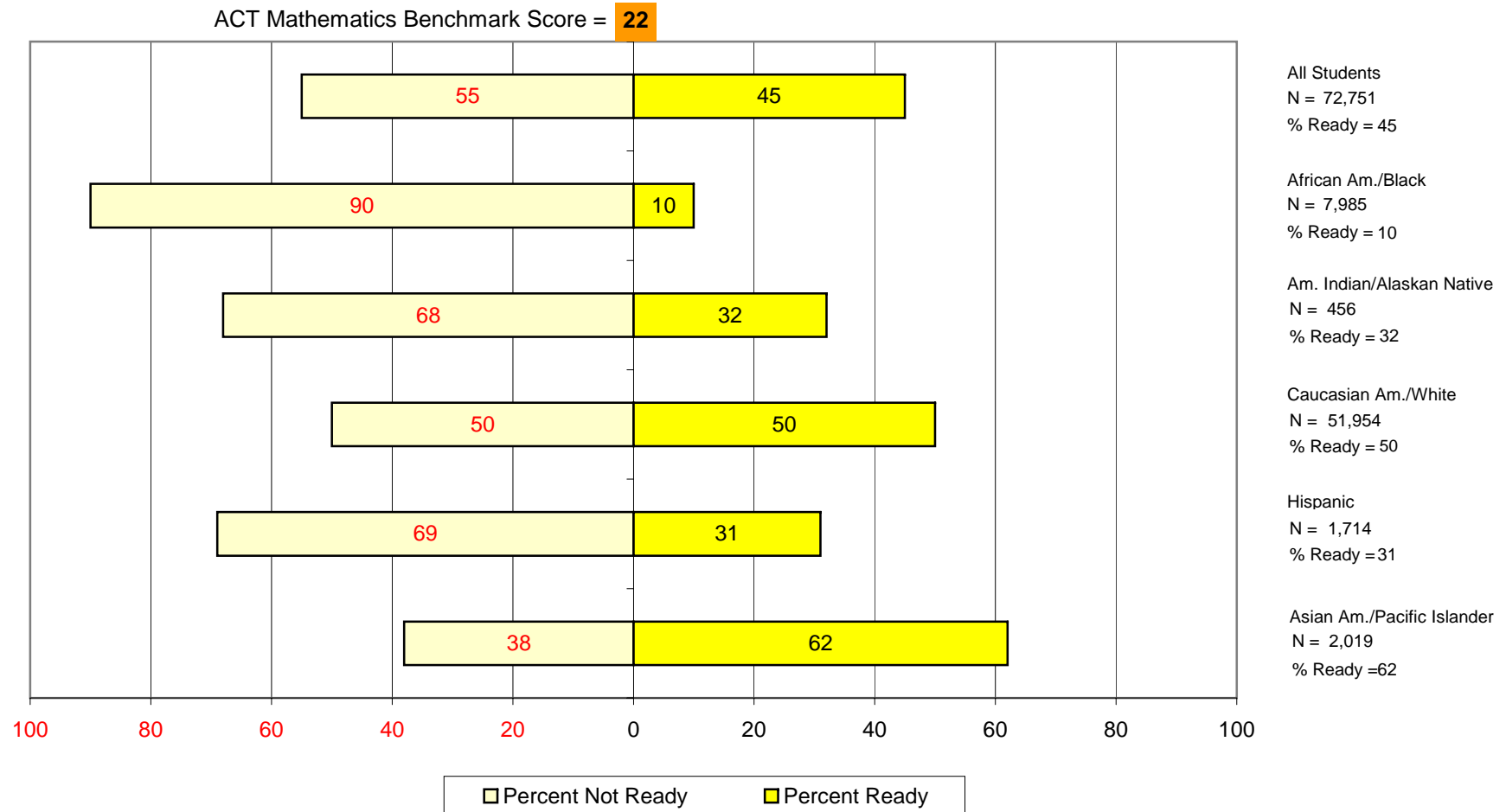


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

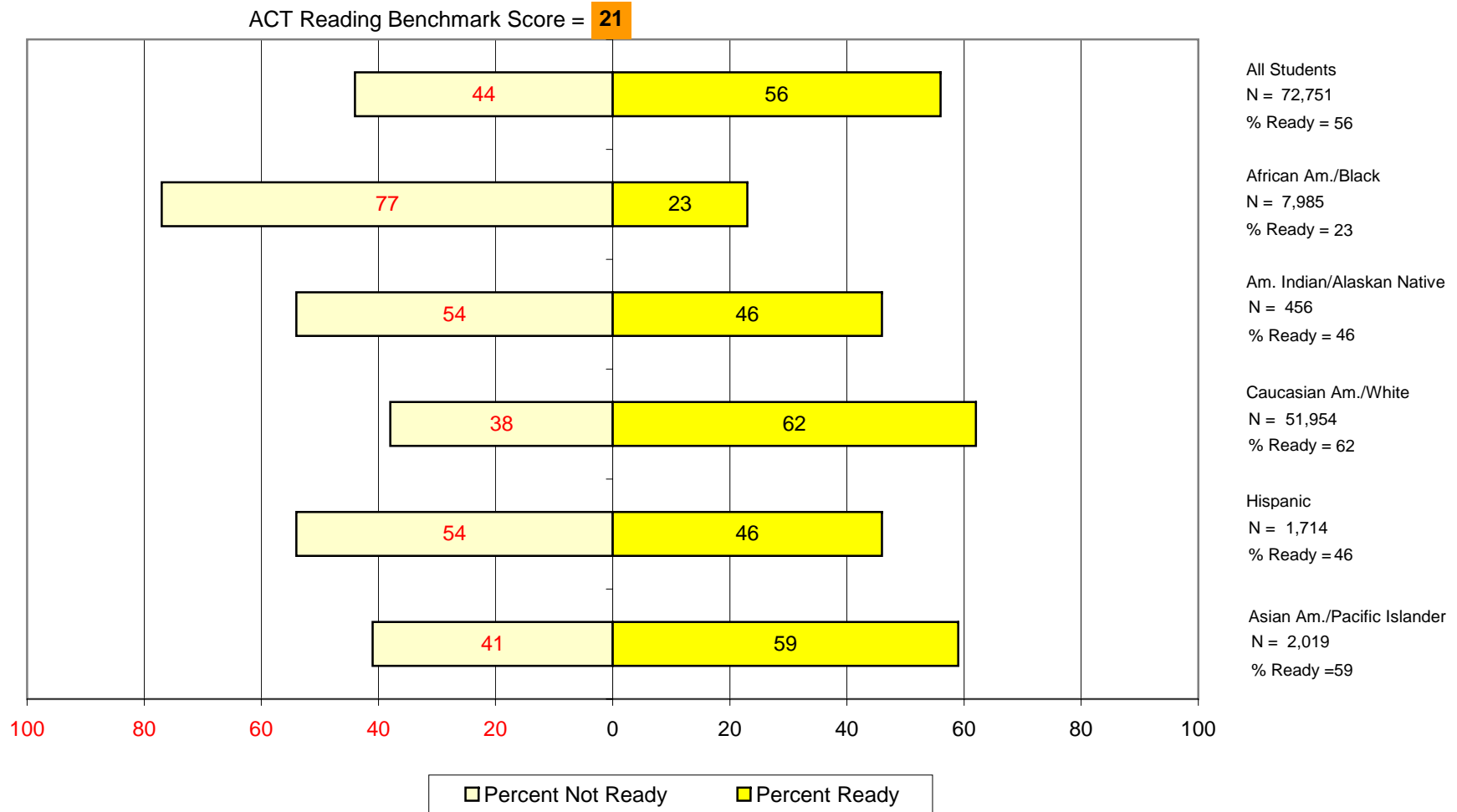


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

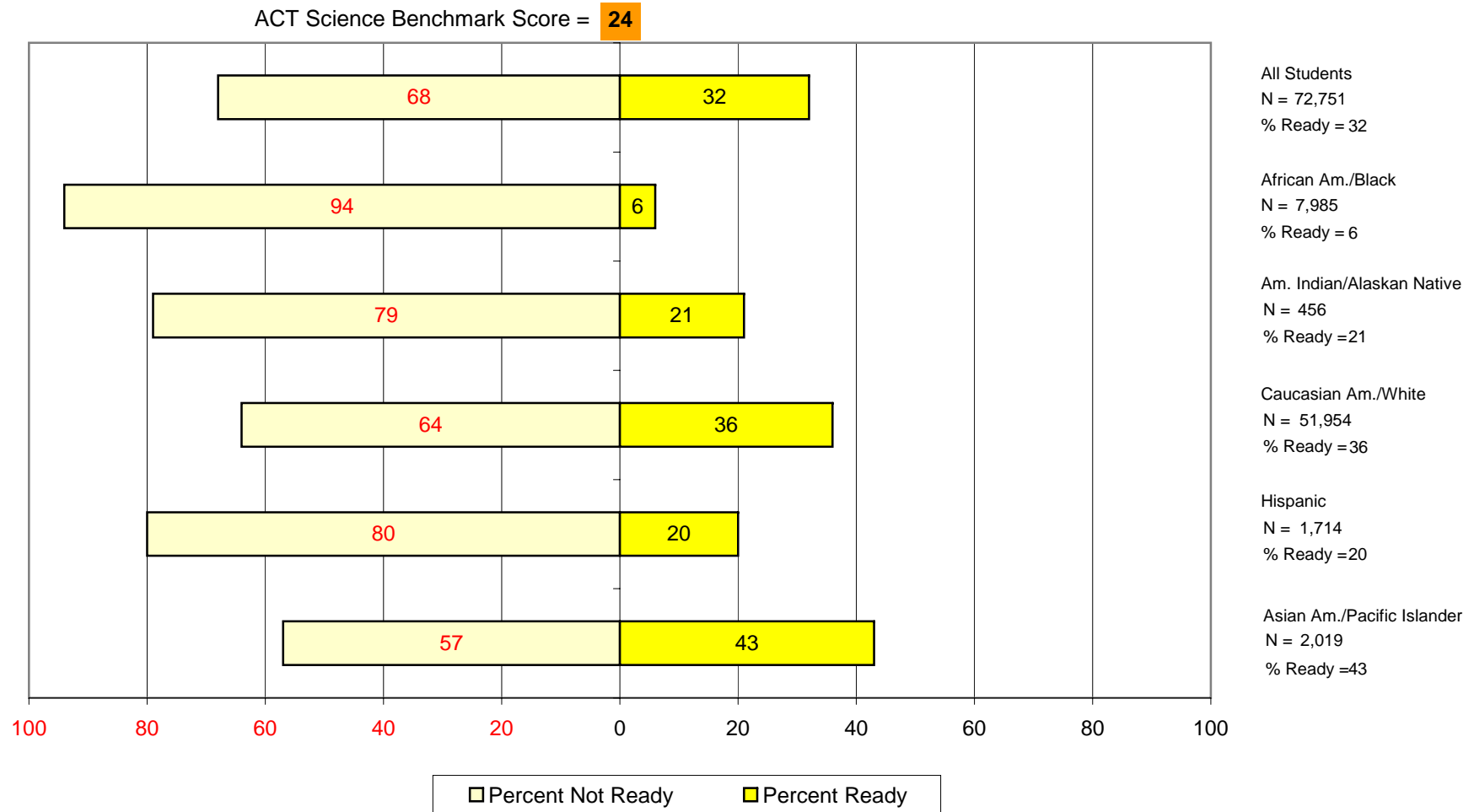


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

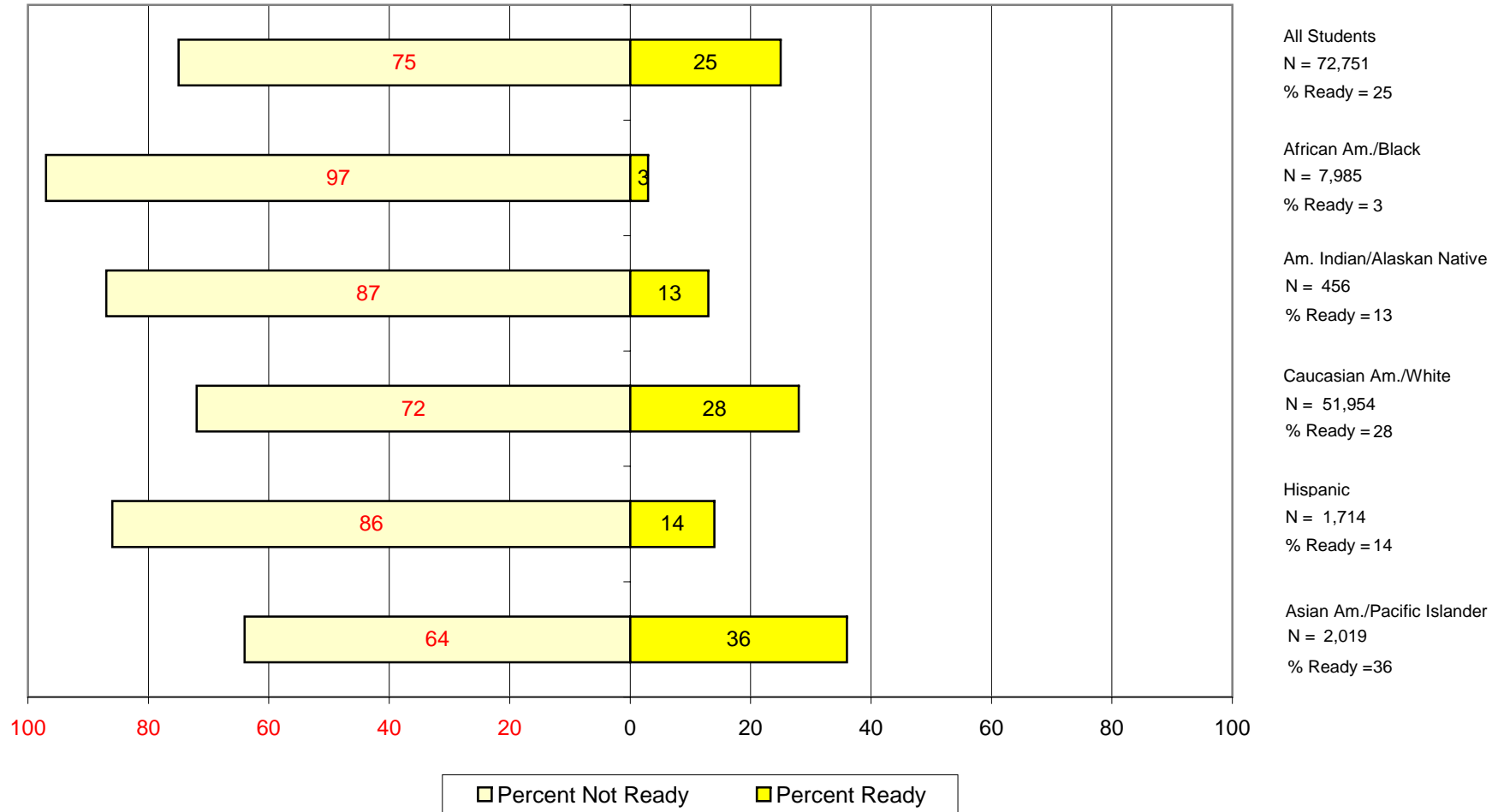


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	22,706	31	21.6	2.5	9,221	29	21.3	2.4	13,180	34	21.9	2.5
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	34,626	48	20.4	1.3	15,237	47	20.0	1.1	18,745	48	20.7	1.3
Less than 4 years of English	9,446	13	19.1	-	4,760	15	18.9	-	4,464	11	19.4	-
No English course/grade information reported	5,973	8	20.9	-	3,017	9	20.5	-	2,443	6	21.5	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	4,463	6	24.7	7.0	2,109	7	25.4	7.1	2,292	6	24.1	6.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,248	9	22.4	4.7	2,355	7	23.1	4.8	3,804	10	21.9	4.6
Alg 1, Alg 2, Geom, & Trig	6,475	9	21.0	3.3	2,765	9	21.7	3.4	3,586	9	20.5	3.2
Alg 1, Alg 2, Geom, & Other Adv Math	7,605	10	20.2	2.5	2,847	9	20.8	2.5	4,634	12	19.7	2.4
Other comb of 4 or more years of Math	17,049	23	24.3	6.6	8,361	26	25.1	6.8	8,470	22	23.5	6.2
Alg 1, Alg 2, & Geom (Min. Core)	10,923	15	18.4	0.7	4,497	14	19.0	0.7	6,225	16	18.1	0.8
Other comb of 3 or 3.5 years of Math	3,485	5	20.5	2.8	1,685	5	21.3	3.0	1,726	4	19.8	2.5
Less than 3 years of Math	9,933	14	17.7	-	4,308	13	18.3	-	5,365	14	17.3	-
No Math course/grade information reported	6,570	9	21.3	-	3,308	10	21.7	-	2,730	7	20.7	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,297	2	24.0	3.1	704	2	23.4	2.8	569	1	24.9	3.7
Other comb of 4 or more years Social Science	27,338	38	22.2	1.3	11,497	36	21.9	1.3	15,400	40	22.4	1.2
US Hist, World Hist, & Am Gov (Min. Core)	2,955	4	22.3	1.4	1,560	5	21.8	1.2	1,338	3	22.9	1.7
Other comb of 3 or 3.5 years of Social Science	24,943	34	21.6	0.7	10,625	33	21.4	0.8	13,922	36	21.8	0.6
Less than 3 years of Social Science	9,796	13	20.9	-	4,597	14	20.6	-	4,968	13	21.2	-
No Soc Sci course/grade information reported	6,422	9	22.0	-	3,252	10	21.6	-	2,635	7	22.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	20,858	29	23.0	3.1	10,045	31	23.8	3.6	10,502	27	22.2	2.6
Bio, Chem, Phys	6,151	8	24.2	4.3	3,105	10	25.0	4.8	2,960	8	23.4	3.8
Gen Sci ² , Bio, Chem (Min. Core)	19,759	27	21.0	1.1	7,127	22	21.4	1.2	12,301	32	20.8	1.2
Other comb of 3 years of Natural Science	2,390	3	21.6	1.7	1,337	4	22.4	2.2	1,006	3	20.7	1.1
Less than 3 years of Natural Science	17,024	23	19.9	-	7,303	23	20.2	-	9,356	24	19.6	-
No Nat Sci course/grade information reported	6,569	9	21.8	-	3,318	10	22.2	-	2,707	7	21.3	-

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	22,706	31	21.6	77	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	34,626	48	20.4	68	668,226	55	20.4	67
Less than 4 years of English	9,446	13	19.1	60	115,551	10	19.4	62
No English course/grade information reported	5,973	8	20.9	72	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	4,463	6	24.7	76	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,248	9	22.4	58	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	6,475	9	21.0	45	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	7,605	10	20.2	37	153,394	13	20.3	37
Other comb of 4 or more years of Math	17,049	23	24.3	70	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	10,923	15	18.4	19	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	3,485	5	20.5	38	54,965	5	20.6	40
Less than 3 years of Math	9,933	14	17.7	15	131,567	11	17.9	18
No Math course/grade information reported	6,570	9	21.3	44	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,297	2	24.0	70	31,335	3	22.7	60
Other comb of 4 or more years Social Science	27,338	38	22.2	59	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	2,955	4	22.3	58	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	24,943	34	21.6	55	325,879	27	21.3	52
Less than 3 years of Social Science	9,796	13	20.9	49	179,270	15	20.5	46
No Soc Sci course/grade information reported	6,422	9	22.0	57	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	20,858	29	23.0	44	320,821	27	22.3	38
Bio, Chem, Phys	6,151	8	24.2	55	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	19,759	27	21.0	25	339,689	28	20.2	19
Other comb of 3 years of Natural Science	2,390	3	21.6	33	32,330	3	20.5	24
Less than 3 years of Natural Science	17,024	23	19.9	17	234,307	19	19.1	14
No Nat Sci course/grade information reported	6,569	9	21.8	33	163,789	14	20.7	26

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	541	1	19.3	81	3	18.6	430	1	19.6
Architecture & Environmental Design	1,483	2	21.0	85	3	17.5	1,344	2	21.2
Business & Management	6,277	9	20.5	247	8	17.6	5,841	10	20.7
Business & Office	369	1	20.1	37	1	17.7	314	1	20.5
Marketing & Distribution	484	1	20.1	22	1	16.5	445	1	20.3
Communications & Comm. Technologies	1,951	3	21.2	81	3	17.8	1,800	3	21.4
Community & Personal Services	1,960	3	19.1	200	7	17.2	1,661	3	19.4
Computer & Information Sciences	1,462	2	22.2	87	3	19.4	1,321	2	22.4
Cross-Disciplinary Studies	60	0	23.4	2	0	12.5	57	0	23.6
Education	3,247	4	21.2	48	2	16.7	3,087	5	21.3
Teacher Education	2,172	3	20.6	36	1	17.7	2,051	3	20.7
Engineering	3,145	4	22.7	134	4	17.0	2,912	5	23.0
Engineering-Related Technologies	2,114	3	22.0	96	3	18.0	1,948	3	22.3
Foreign Languages	307	0	23.8	5	0	18.0	286	0	24.0
Health Sciences & Allied Health Fields	11,567	16	21.1	492	16	17.9	10,745	18	21.3
Human, Family & Consumer Science	654	1	18.7	87	3	17.0	535	1	19.0
Letters	517	1	24.0	22	1	21.3	473	1	24.3
Mathematics	283	0	24.3	2	0	13.5	272	0	24.4
Philosophy, Religion & Theology	347	0	22.7	14	0	18.7	315	1	22.9
Sciences (Biological & Physical)	2,622	4	23.9	20	1	17.9	2,542	4	24.0
Social Sciences	4,108	6	22.1	32	1	16.8	3,957	6	22.2
Trade & Industrial	893	1	18.9	338	11	18.0	519	1	19.5
Visual & Performing Arts	3,698	5	21.3	195	6	17.8	3,325	5	21.6
Undecided	7,581	10	21.8	308	10	18.2	6,802	11	22.1
No Response	14,909	20	21.8	343	11	17.6	7,946	13	22.0

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/ Alaskan 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	553	17.6	98	14.9	3	14.7	379	18.4	15	16.2	9	18.9	49	17.3
2-yr College Degree	2,461	17.8	277	14.7	22	17.4	1,821	18.4	65	15.8	28	16.9	248	17.4
Bachelors Degree	28,147	20.6	2,482	16.3	179	19.4	21,792	21.2	631	19.3	472	20.3	2,591	20.3
Graduate Study	14,018	22.9	1,347	18.0	75	21.6	10,504	23.5	311	21.3	379	23.9	1,402	22.7
Prof. Level Degree	18,763	22.4	2,817	17.8	131	20.8	12,119	23.4	480	21.0	841	24.4	2,375	22.3
Other	1,559	18.6	304	15.1	15	18.8	940	19.7	38	17.5	45	19.3	217	18.4
No Response	7,250	21.8	660	17.2	31	20.0	4,399	22.4	174	18.9	245	24.1	1,741	22.2

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
MICHIGAN STATE UNIVERSITY	Michigan	24,085	8,724	15,361	1	5	20	34	27	12	1
CENTRAL MICHIGAN UNIVERSITY	Michigan	16,125	3,984	12,141	1	7	30	38	19	5	0
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	15,444	5,764	9,680	0	3	12	26	33	22	3
GRAND VALLEY STATE UNIVERSITY	Michigan	14,826	4,020	10,806	1	5	25	38	24	8	0
WESTERN MICHIGAN UNIVERSITY	Michigan	14,162	2,803	11,359	1	6	27	38	22	6	0
EASTERN MICHIGAN UNIVERSITY	Michigan	9,033	2,178	6,855	2	13	33	31	15	5	0
FERRIS STATE UNIVERSITY	Michigan	8,929	2,456	6,473	1	10	35	35	15	4	0
WAYNE STATE UNIVERSITY	Michigan	7,781	2,106	5,675	3	16	34	28	14	5	0
OAKLAND UNIVERSITY	Michigan	6,810	1,675	5,135	2	10	31	33	18	5	0
SAGINAW VALLEY STATE UNIVERSITY	Michigan	4,692	1,128	3,564	1	10	34	34	16	4	0
NORTHERN MICHIGAN UNIVERSITY	Michigan	3,525	1,126	2,399	1	7	30	36	21	6	0
MICHIGAN TECHNOLOGICAL UNIVERSITY	Michigan	3,200	845	2,355	1	4	16	28	31	17	2
GRAND RAPIDS COMMUNITY COLLEGE	Michigan	3,190	1,102	2,088	2	11	36	35	13	3	0
UNIVERSITY OF MICHIGAN-DEARBORN	Michigan	3,148	681	2,467	1	9	28	34	20	8	1
MICHIGAN HIGHER EDUC ASST AUTHORITY	Michigan	2,261	1,089	1,172	2	8	24	30	22	13	1
HOPE COLLEGE	Michigan	2,230	533	1,697	0	3	15	33	30	17	1
UNIVERSITY OF MICHIGAN-FLINT	Michigan	1,916	480	1,436	1	9	30	33	21	6	0
LAWRENCE TECHNOLOGICAL UNIVERSITY	Michigan	1,766	493	1,273	1	8	22	33	25	11	1
OAKLAND COMMUNITY COLLEGE	Michigan	1,732	402	1,330	4	16	39	30	10	2	0
LANSING COMMUNITY COLLEGE	Michigan	1,659	499	1,160	1	10	37	34	14	4	0
ALBION COLLEGE	Michigan	1,642	390	1,252	0	3	17	31	30	18	2
LAKE SUPERIOR STATE UNIVERSITY	Michigan	1,628	444	1,184	0	8	34	35	18	5	0
MACOMB COMMUNITY COLLEGE	Michigan	1,588	462	1,126	2	15	39	30	11	2	0
CALVIN COLLEGE	Michigan	1,524	518	1,006	0	3	16	28	31	19	2
UNIVERSITY OF DETROIT MERCY	Michigan	1,493	237	1,256	4	17	32	26	16	5	0
DELTA COLLEGE	Michigan	1,348	501	847	1	11	37	32	16	3	0
KETTERING UNIVERSITY	Michigan	1,337	420	917	0	3	15	29	33	18	2
HENRY FORD COMMUNITY COLLEGE	Michigan	1,333	302	1,031	6	21	41	24	7	1	0
NORTHWOOD UNIVERSITY-MI	Michigan	1,277	344	933	2	11	34	34	15	3	0
SCHOOLCRAFT COLLEGE	Michigan	1,220	382	838	2	14	41	29	12	2	0
All Other Institutions		67,512	15,944	51,568	2	10	26	28	20	12	2
Total		228,416	62,032	166,384	1	8	26	32	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	41,078	430,404	22.0	22.4	7.6	7.7	21.6	22.0
African Am./Black	3,801	38,583	17.0	17.5	6.5	6.8	17.0	17.6
Am. Indian/Alaskan Native	234	2,803	20.1	19.8	7.2	7.1	19.8	19.6
Caucasian Am./White	29,669	269,428	22.6	23.4	7.7	7.8	22.2	22.8
Hispanic	913	33,207	20.2	18.9	7.4	7.4	20.1	19.1
Asian Am./Pacific Islander	1,422	21,275	23.5	23.0	8.0	8.0	23.1	22.8
Other/No Response	5,039	65,108	22.0	22.8	7.6	7.9	21.7	22.5
Males	17,385	170,904	21.7	22.1	7.4	7.4	21.2	21.5
Females	22,746	240,056	22.2	22.6	7.8	7.9	21.9	22.3
Missing	947	19,444	21.1	22.1	7.5	7.8	20.9	21.9

