

# ACT High School Profile Report

The Graduating Class of 2007  
Ohio





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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

25% 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.** 86,080 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. 55% 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 12% of the cohort took less than three years of math courses. Of these students, 19% were college ready. 18% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 18% of these students were college ready. In comparison, 59% 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 18% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 35% 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 42% 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).

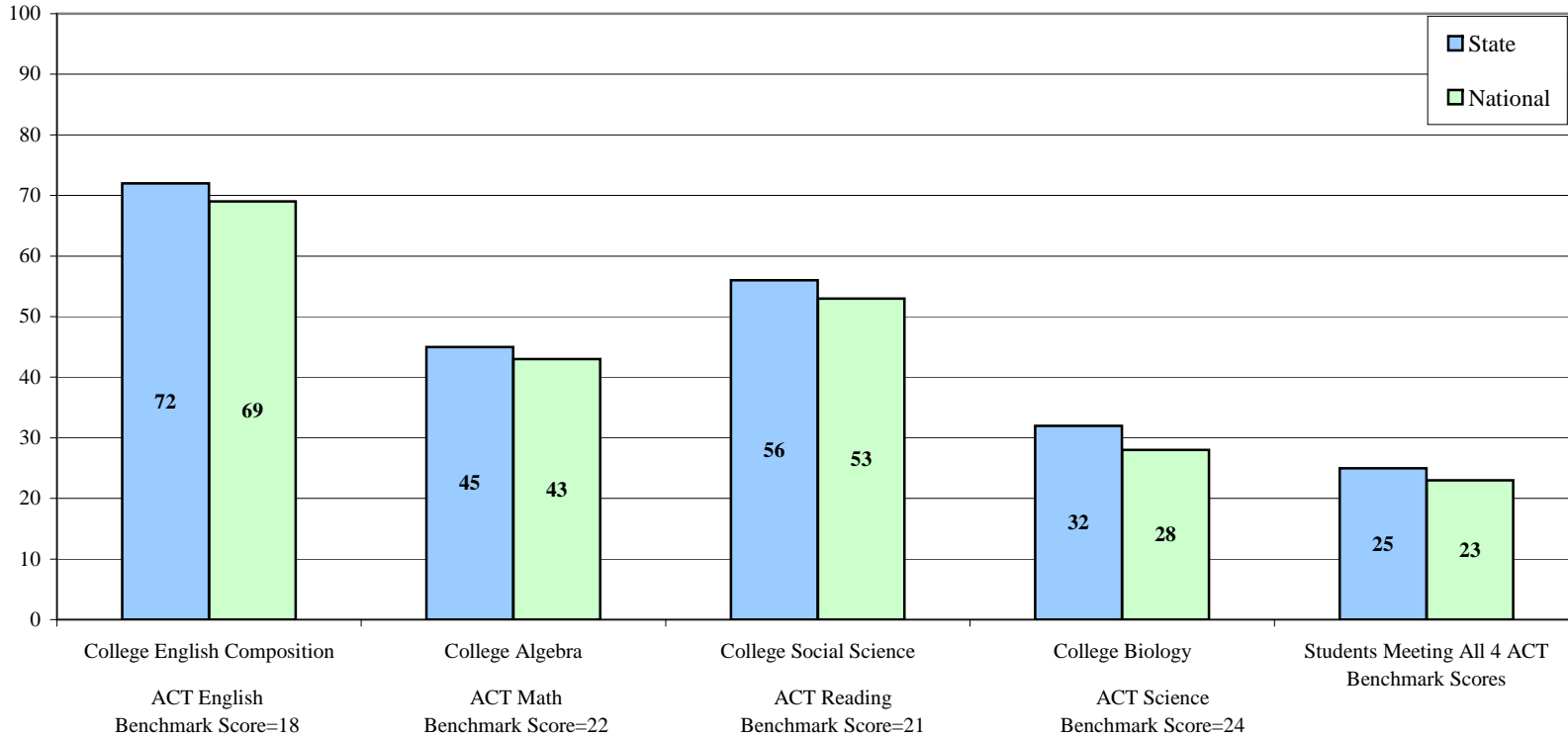
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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	81,710	1,175,059	70	67	44	40	55	52	29	26	23	20
2004	81,510	1,171,460	70	68	43	40	56	52	30	26	23	21
2005	80,732	1,186,251	70	68	44	41	56	51	30	26	24	21
2006	81,564	1,206,455	71	69	45	42	56	53	30	27	24	21
<b>2007</b>	<b>86,080</b>	<b>1,300,599</b>	<b>72</b>	<b>69</b>	<b>45</b>	<b>43</b>	<b>56</b>	<b>53</b>	<b>32</b>	<b>28</b>	<b>25</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	81,710	1,175,059	20.6	20.3	21.1	20.6	21.8	21.2	21.4	20.8	21.4	20.8
2004	81,510	1,171,460	20.7	20.4	21.1	20.7	21.9	21.3	21.5	20.9	21.4	20.9
2005	80,732	1,186,251	20.7	20.4	21.2	20.7	21.9	21.3	21.5	20.9	21.4	20.9
2006	81,564	1,206,455	20.8	20.6	21.3	20.8	21.9	21.4	21.5	20.9	21.5	21.1
<b>2007</b>	<b>86,080</b>	<b>1,300,599</b>	<b>21.0</b>	<b>20.7</b>	<b>21.3</b>	<b>21.0</b>	<b>22.0</b>	<b>21.5</b>	<b>21.6</b>	<b>21.0</b>	<b>21.6</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	48,768	28,185	60	34	21.7	18.6	22.2	19.2	22.7	20.2	22.3	20.0	22.4	19.6
2004	49,126	27,427	60	34	21.7	18.8	22.1	19.3	22.7	20.2	22.3	20.1	22.4	19.7
2005	47,830	27,185	59	34	21.8	18.9	22.2	19.4	22.8	20.3	22.3	20.1	22.4	19.8
2006	46,872	27,594	57	34	21.9	19.1	22.3	19.6	22.8	20.5	22.3	20.2	22.4	20.0
<b>2007</b>	<b>47,485</b>	<b>27,118</b>	<b>55</b>	<b>32</b>	<b>21.9</b>	<b>19.2</b>	<b>22.2</b>	<b>19.7</b>	<b>22.8</b>	<b>20.6</b>	<b>22.3</b>	<b>20.3</b>	<b>22.4</b>	<b>20.0</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>81,710</b>	<b>100</b>	<b>21.4</b>	<b>81,510</b>	<b>100</b>	<b>21.4</b>	<b>80,732</b>	<b>100</b>	<b>21.4</b>	<b>81,564</b>	<b>100</b>	<b>21.5</b>	<b>86,080</b>	<b>100</b>	<b>21.6</b>
African American/Black	6,835	8	17.1	6,947	9	17.2	7,405	9	17.1	7,666	9	17.2	8,177	9	17.0
American Indian/Alaska Native	193	0	20.3	224	0	20.1	220	0	20.4	233	0	20.3	247	0	20.8
Caucasian American/White	66,442	81	21.8	65,600	80	21.8	64,175	79	21.9	62,306	76	22.0	62,599	73	22.1
Hispanic	1,192	1	20.0	1,189	1	20.1	1,349	2	20.0	1,360	2	20.1	1,405	2	20.2
Asian American/Pacific Islander	1,285	2	22.9	1,288	2	23.1	1,355	2	23.1	1,261	2	23.3	1,298	2	23.9
Other/No Response	5,763	7	21.6	6,262	8	21.7	6,228	8	21.6	8,738	11	21.7	12,354	14	22.2

# 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	134	100	195	100	472	100	206	100	17	100	36
35	754	100	395	100	650	99	642	100	152	100	35
34	1,020	99	656	99	1,230	99	330	99	376	100	34
33	998	98	795	99	1,574	97	748	99	611	99	33
32	966	97	882	98	2,089	95	618	98	963	99	32
31	1,487	96	1,426	97	2,250	93	776	97	1,308	98	31
30	1,607	94	1,219	95	2,507	90	1,316	96	1,849	96	30
29	2,257	92	2,168	94	2,434	87	1,405	95	2,295	94	29
28	2,664	89	2,559	91	3,692	85	1,895	93	2,772	91	28
27	3,015	86	3,562	88	3,776	80	2,732	91	3,598	88	27
26	3,333	83	4,605	84	3,480	76	3,841	88	4,372	84	26
25	4,737	79	5,118	79	3,720	72	6,423	83	4,941	79	25
24	4,424	73	5,718	73	5,190	68	6,220	76	5,574	73	24
23	4,971	68	5,037	66	5,670	62	7,252	68	6,243	67	23
22	5,721	62	4,790	60	4,709	55	8,270	60	6,610	59	22
21	6,738	56	5,198	55	5,014	50	7,985	50	6,962	52	21
20	6,761	48	4,860	49	6,753	44	8,840	41	7,027	43	20
19	5,586	40	6,000	43	5,658	36	7,042	31	6,405	35	19
18	4,404	34	6,561	36	3,790	29	5,968	23	6,216	28	18
17	3,954	28	7,442	28	4,527	25	3,908	16	5,262	21	17
16	4,954	24	8,541	20	4,945	20	2,649	11	4,384	15	16
15	4,121	18	4,851	10	2,999	14	1,920	8	3,269	9	15
14	3,450	13	2,465	4	3,452	10	1,622	6	2,299	6	14
13	2,096	9	663	1	2,262	6	956	4	1,448	3	13
12	1,706	7	250	1	1,803	4	938	3	696	1	12
11	1,366	5	75	1	783	2	764	2	299	1	11
10	1,132	3	33	1	367	1	516	1	96	1	10
9	698	2	12	1	117	1	167	1	22	1	9
8	649	1	1	1	82	1	73	1	10	1	8
7	236	1	2	1	47	1	35	1	2	1	7
6	90	1	1	1	20	1	13	1	2	1	6
5	44	1	0	1	9	1	7	1	0	1	5
4	2	1	0	1	4	1	2	1	0	1	4
3	5	1	0	1	2	1	1	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	1
Avg (SD)	21.0 (5.8)		21.3 (5.0)		22.0 (5.9)		21.6 (4.6)		21.6 (4.7)		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	2,240	100	642	100	1,784	100	3,036	100	2,526	100	749	100	943	100	18
17	3,698	97	1,551	99	3,899	98	4,342	96	3,880	97	965	99	357	99	17
16	3,967	93	3,552	97	5,054	93	5,841	91	4,582	93	1,884	98	2,768	98	16
15	3,322	88	5,690	93	5,094	88	7,043	85	5,345	87	3,186	96	4,297	95	15
14	5,849	85	6,732	87	5,787	82	7,499	76	7,232	81	6,542	92	6,546	90	14
13	5,238	78	7,301	79	6,449	75	6,999	68	8,654	73	9,286	85	9,279	83	13
12	6,984	72	9,751	70	9,815	67	7,933	60	7,795	63	8,732	74	9,238	72	12
11	8,531	64	11,787	59	9,890	56	6,700	50	8,564	54	11,730	64	10,881	61	11
10	9,821	54	10,763	45	8,232	45	8,303	43	8,303	44	14,425	50	12,526	49	10
9	8,695	42	9,189	33	9,204	35	7,488	33	7,096	34	10,782	33	12,067	34	9
8	7,995	32	8,006	22	9,201	24	5,798	24	8,676	26	7,577	21	6,952	20	8
7	6,591	23	4,696	13	4,743	14	5,038	18	8,715	16	4,193	12	4,764	12	7
6	4,978	15	2,853	7	3,273	8	5,202	12	3,217	5	2,762	7	1,800	6	6
5	4,146	9	1,986	4	1,687	4	2,997	6	868	2	1,721	4	1,746	4	5
4	2,376	5	1,074	2	1,190	2	1,383	2	414	1	613	2	812	2	4
3	1,188	2	401	1	544	1	351	1	165	1	763	1	726	1	3
2	405	1	96	1	183	1	113	1	34	1	27	1	183	1	2
1	56	1	10	1	51	1	14	1	14	1	143	1	195	1	1
Avg (SD)	10.4 (3.7)		10.9 (3.0)		11.1 (3.4)		11.4 (3.7)		11.3 (3.3)		10.6 (2.8)		10.7 (2.9)		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	25	26	24	25
Q2 (50th Percentile)	21	21	22	21	21
Q1 (25th Percentile)	17	17	18	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	<b>All Students</b>	<b>86,080</b>	<b>55</b>	<b>22.4</b>	<b>20.0</b>
	African Am./Black	8,177	53	17.6	16.1
	Am. Indian/Alaska Native	247	58	21.5	19.6
	Caucasian Am./White	62,599	58	22.9	20.5
	Hispanic	1,405	56	21.1	18.8
	Asian Am./Pacific Islander	1,298	65	24.3	22.4
	Other/No Response	12,354	42	22.8	20.7
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>	21.0	21.3	22.0	21.6	21.6
	African Am./Black	15.7	17.0	17.2	17.5	17.0
	Am. Indian/Alaska Native	19.7	20.4	21.4	21.2	20.8
	Caucasian Am./White	21.5	21.7	22.5	22.1	22.1
	Hispanic	19.3	19.9	20.8	20.4	20.2
	Asian Am./Pacific Islander	23.1	24.7	23.5	23.5	23.9
	Other/No Response	21.6	22.0	22.7	22.1	22.2
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	2,906	3	2,041	2	3,926	5	1,926	2
	28 to 32	8,981	10	8,254	10	12,972	15	6,010	7
	24 to 27	15,509	18	19,003	22	16,166	19	19,216	22
	20 to 23	24,191	28	19,885	23	22,146	26	32,347	38
	16 to 19	18,898	22	28,544	33	18,920	22	19,567	23
	13 to 15	9,667	11	7,979	9	8,713	10	4,498	5
	01 to 12	5,928	7	374	0	3,237	4	2,516	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	36,645	43	20.6	22.1	21.9	22.2	21.8
	Females	43,747	51	21.1	20.6	22.1	21.1	21.3
	Missing	5,688	7	21.6	21.9	22.6	22.0	22.2
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	69	52	55	37	29
	Females	73	39	57	26	21
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

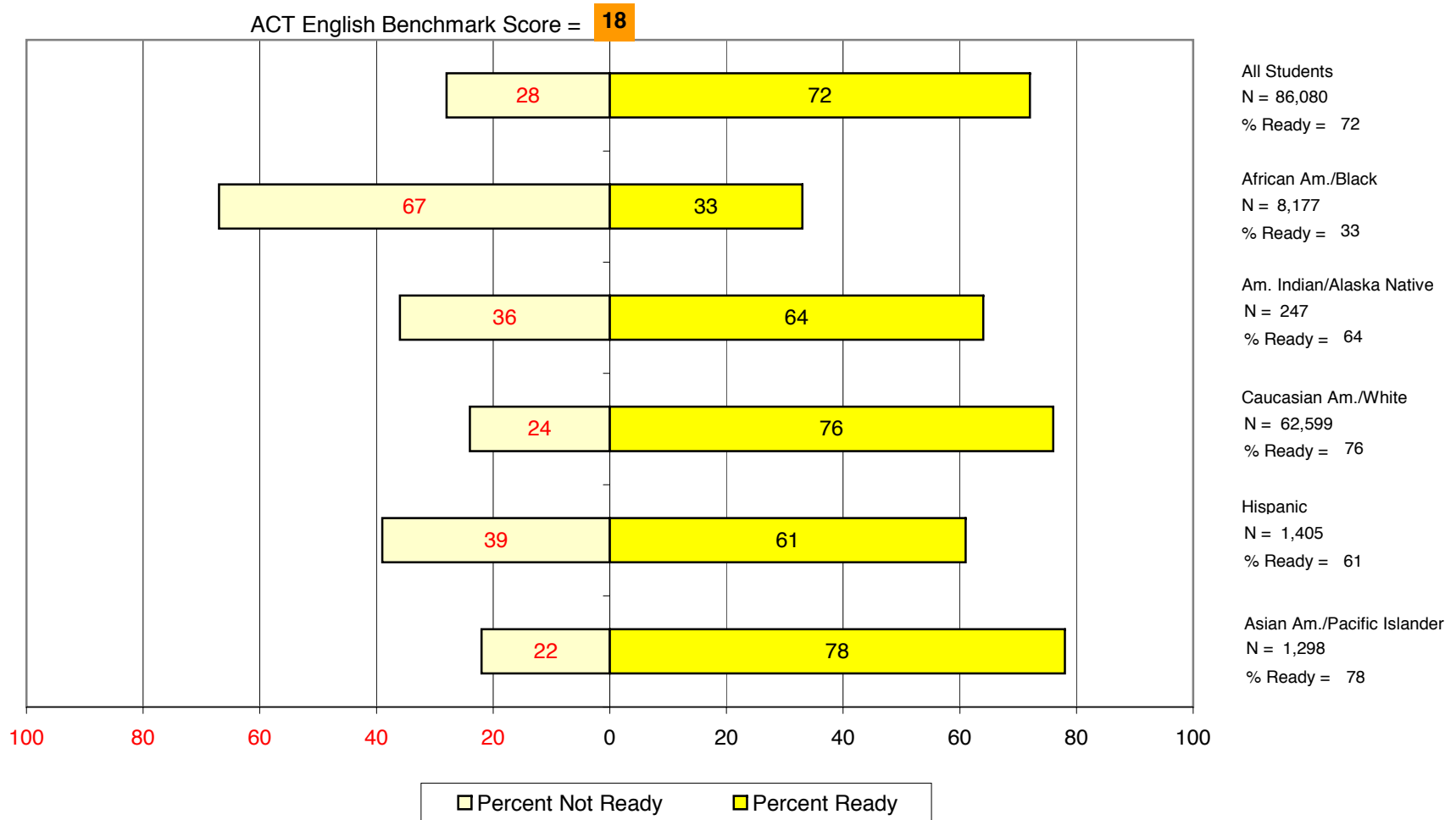


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

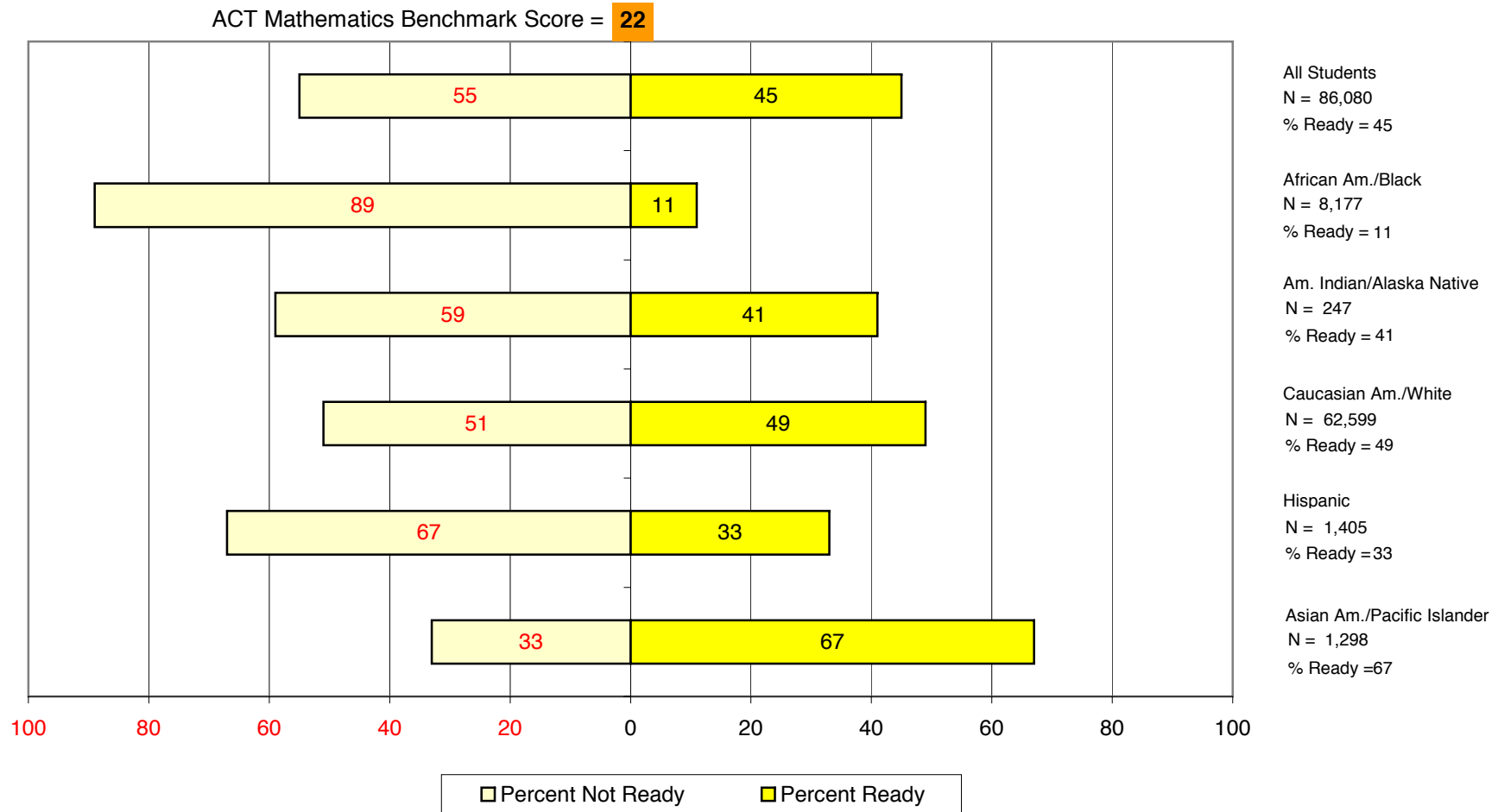


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

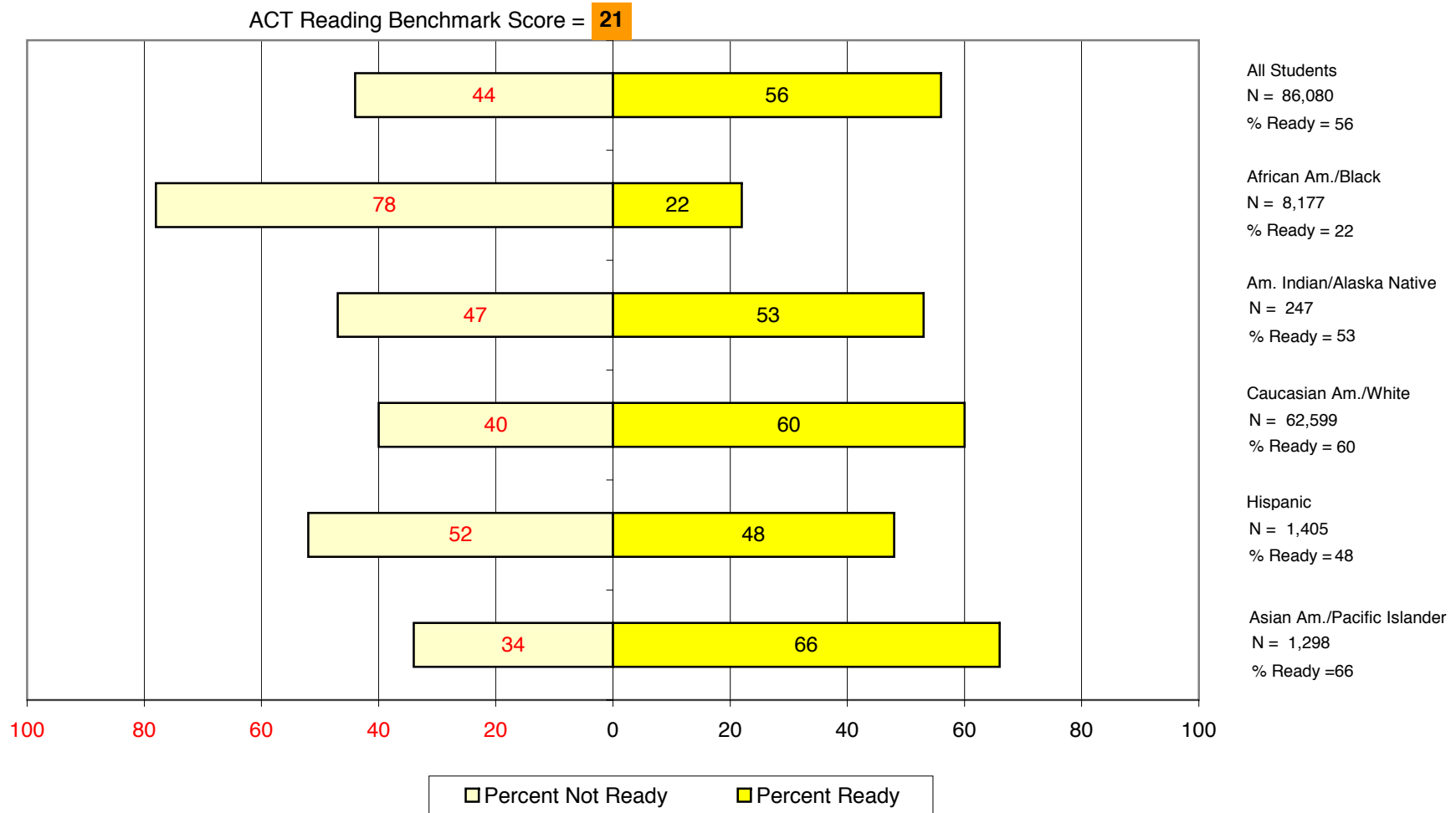


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

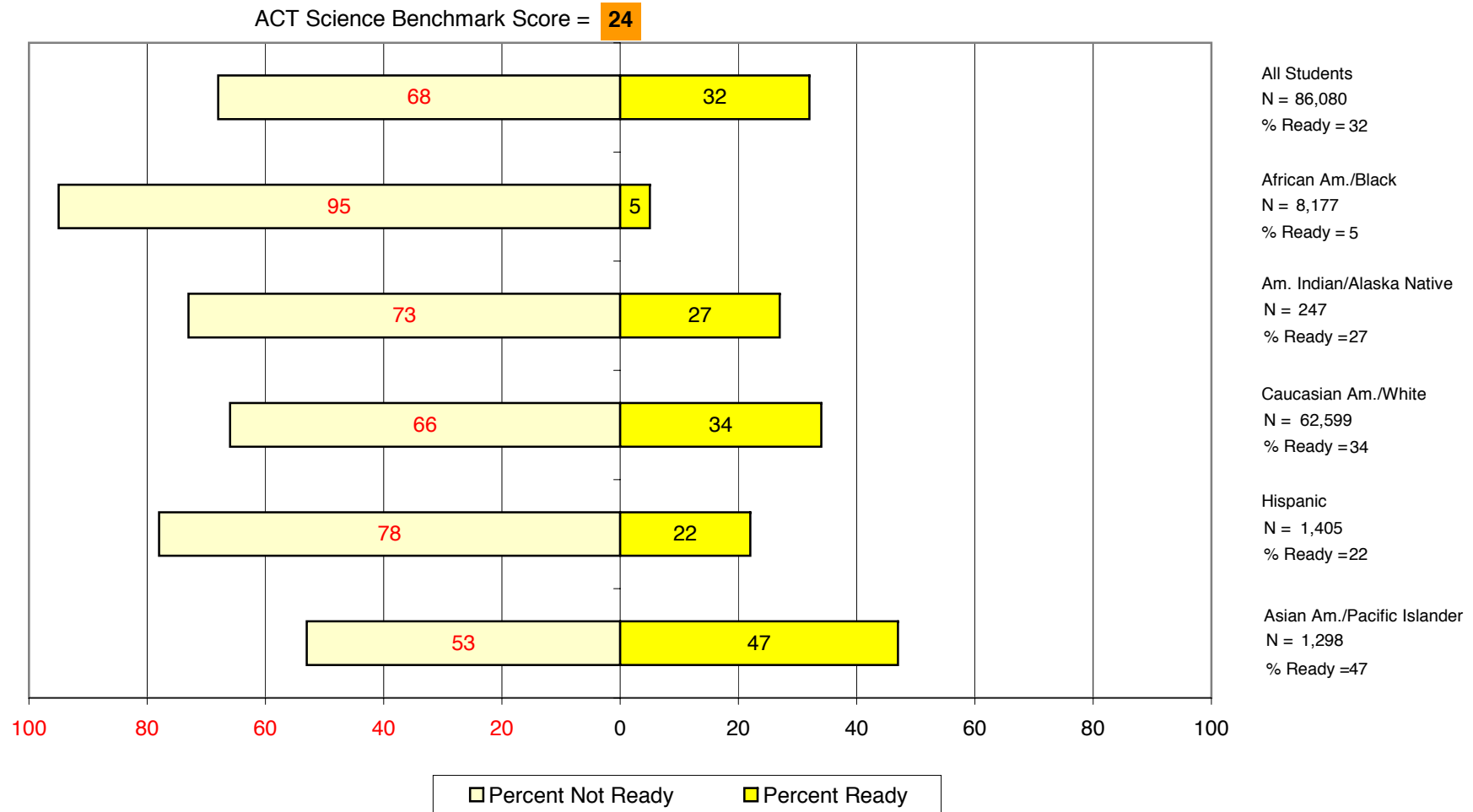
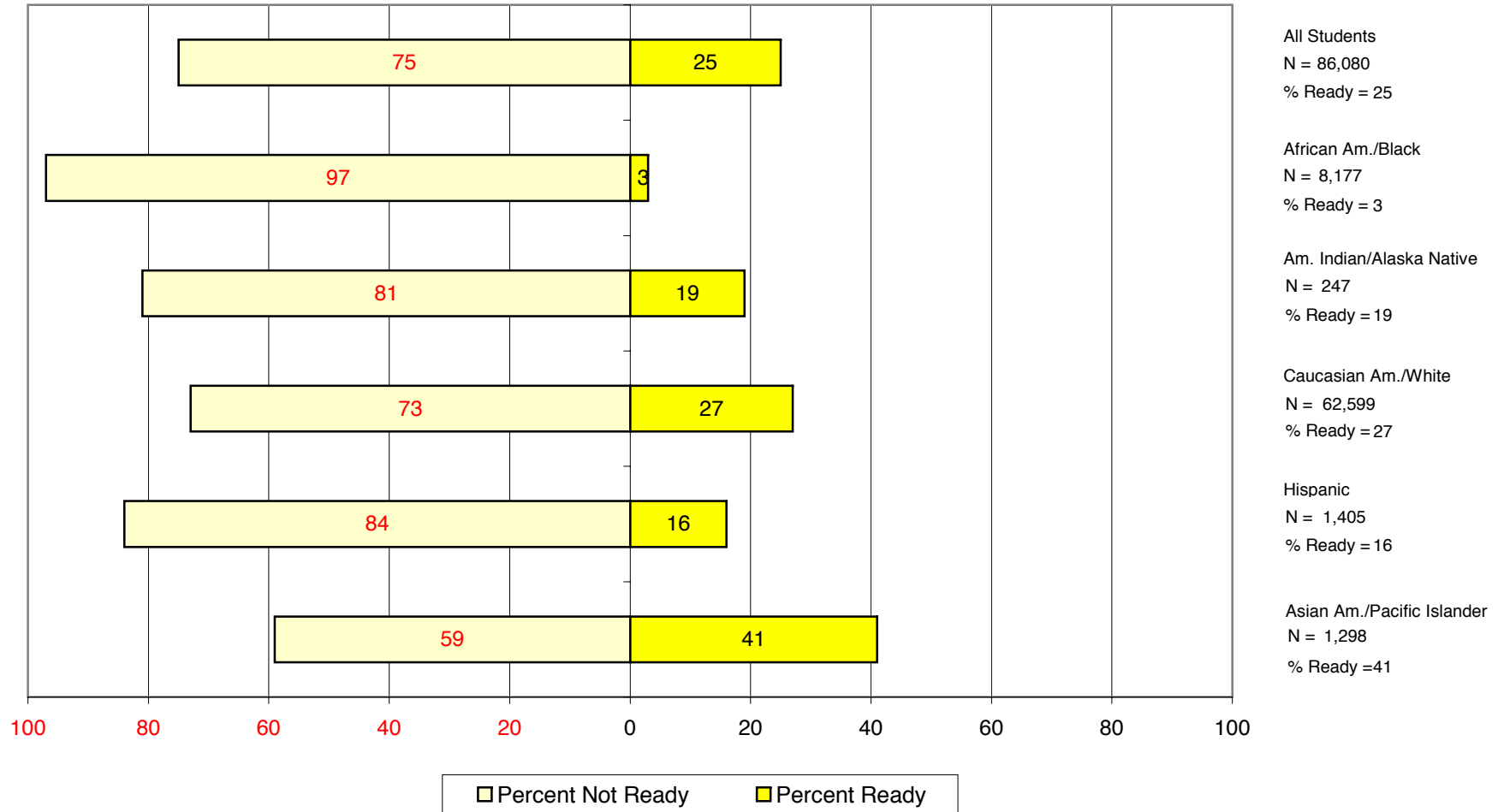


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	13,154	15	22.5	2.2	4,723	13	22.1	1.9	7,925	18	22.7	2.3
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	53,102	62	20.6	0.3	23,406	64	20.4	0.2	27,576	63	20.7	0.3
Less than 4 years of English	8,089	9	20.3	-	3,734	10	20.2	-	3,832	9	20.4	-
No English course/grade information reported	11,735	14	21.4	-	4,782	13	20.6	-	4,414	10	21.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	4,685	5	25.2	6.9	2,268	6	25.9	7.1	2,206	5	24.4	6.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,486	6	22.6	4.3	2,123	6	23.5	4.7	3,154	7	21.9	4.1
Alg 1, Alg 2, Geom, & Trig	5,752	7	20.8	2.5	2,407	7	21.6	2.8	3,077	7	20.1	2.3
Alg 1, Alg 2, Geom, & Other Adv Math	12,645	15	20.8	2.5	4,704	13	21.5	2.7	7,427	17	20.3	2.5
Other comb of 4 or more years of Math	16,240	19	24.8	6.5	7,860	21	25.7	6.9	7,787	18	24.0	6.2
Alg 1, Alg 2, & Geom (Min. Core)	15,081	18	18.3	0.0	6,135	17	19.0	0.2	8,348	19	17.9	0.1
Other comb of 3 or 3.5 years of Math	3,801	4	21.6	3.3	1,745	5	22.2	3.4	1,867	4	20.9	3.1
Less than 3 years of Math	9,925	12	18.3	-	4,277	12	18.8	-	5,146	12	17.8	-
No Math course/grade information reported	12,465	14	21.5	-	5,126	14	21.8	-	4,735	11	20.8	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	4,744	6	22.8	1.4	2,214	6	22.6	1.3	2,323	5	22.8	1.4
Other comb of 4 or more years Social Science	21,015	24	22.7	1.3	8,749	24	22.6	1.3	11,455	26	22.8	1.4
US Hist, World Hist, & Am Gov (Min. Core)	14,687	17	21.0	-0.4	6,613	18	21.0	-0.3	7,543	17	20.9	-0.5
Other comb of 3 or 3.5 years of Social Science	21,847	25	22.1	0.7	8,862	24	22.0	0.7	12,070	28	22.1	0.7
Less than 3 years of Social Science	11,306	13	21.4	-	5,060	14	21.3	-	5,635	13	21.4	-
No Soc Sci course/grade information reported	12,481	14	22.2	-	5,147	14	21.7	-	4,721	11	22.3	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	24,110	28	23.1	3.4	11,492	31	23.8	3.8	11,690	27	22.4	3.0
Bio, Chem, Phys	5,407	6	24.7	5.0	2,691	7	25.4	5.4	2,433	6	23.9	4.5
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	26,715	31	20.8	1.1	9,556	26	21.2	1.2	16,115	37	20.5	1.1
Other comb of 3 years of Natural Science	2,031	2	20.6	0.9	1,156	3	21.2	1.2	781	2	19.6	0.2
Less than 3 years of Natural Science	15,112	18	19.7	-	6,490	18	20.0	-	7,923	18	19.4	-
No Nat Sci course/grade information reported	12,705	15	21.8	-	5,260	14	22.0	-	4,805	11	21.3	-

<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	13,154	15	22.5	80	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	53,102	62	20.6	69	766,001	59	20.5	68
Less than 4 years of English	8,089	9	20.3	69	141,777	11	19.7	64
No English course/grade information reported	11,735	14	21.4	74	201,619	16	20.7	69
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	4,685	5	25.2	79	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,486	6	22.6	60	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	5,752	7	20.8	43	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	12,645	15	20.8	41	163,562	13	20.4	38
Other comb of 4 or more years of Math	16,240	19	24.8	75	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	15,081	18	18.3	18	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	3,801	4	21.6	49	57,945	4	20.9	43
Less than 3 years of Math	9,925	12	18.3	19	145,617	11	18.3	21
No Math course/grade information reported	12,465	14	21.5	47	211,787	16	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	4,744	6	22.8	61	31,985	2	22.7	61
Other comb of 4 or more years Social Science	21,015	24	22.7	62	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	14,687	17	21.0	48	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	21,847	25	22.1	57	333,689	26	21.4	52
Less than 3 years of Social Science	11,306	13	21.4	52	201,605	16	20.6	47
No Soc Sci course/grade information reported	12,481	14	22.2	58	212,012	16	21.5	53
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	24,110	28	23.1	45	333,648	26	22.4	40
Bio, Chem, Phys	5,407	6	24.7	58	115,297	9	23.4	48
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	26,715	31	20.8	23	353,348	27	20.2	20
Other comb of 3 years of Natural Science	2,031	2	20.6	24	32,593	3	20.4	24
Less than 3 years of Natural Science	15,112	18	19.7	17	247,312	19	19.1	15
No Nat Sci course/grade information reported	12,705	15	21.8	33	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	691	1	19.5	143	4	17.7	513	1	20.0
Architecture & Environmental Design	1,353	2	21.5	48	1	17.9	1,251	2	21.8
Business & Management	6,333	7	20.7	289	8	17.2	5,798	9	20.9
Business & Office	385	0	19.4	43	1	17.3	320	0	19.7
Marketing & Distribution	669	1	20.3	28	1	17.1	621	1	20.6
Communications & Comm. Technologies	2,060	2	21.6	58	2	17.4	1,917	3	21.7
Community & Personal Services	1,743	2	19.0	180	5	17.1	1,476	2	19.2
Computer & Information Sciences	1,546	2	22.2	128	3	19.5	1,366	2	22.5
Cross-Disciplinary Studies	55	0	24.5	3	0	21.7	50	0	24.5
Education	3,317	4	21.2	65	2	16.9	3,120	5	21.3
Teacher Education	1,945	2	20.6	27	1	15.7	1,826	3	20.7
Engineering	2,883	3	24.0	89	2	17.5	2,708	4	24.3
Engineering-Related Technologies	1,605	2	22.7	93	2	18.4	1,461	2	23.0
Foreign Languages	389	0	24.2	7	0	17.1	370	1	24.4
Health Sciences & Allied Health Fields	13,505	16	20.9	1,017	27	17.8	11,983	18	21.2
Human, Family & Consumer Science	638	1	18.9	93	2	17.6	510	1	19.3
Letters	391	0	25.2	15	0	20.2	366	1	25.5
Mathematics	329	0	25.4	3	0	17.0	315	0	25.5
Philosophy, Religion & Theology	351	0	22.7	9	0	20.1	326	0	22.9
Sciences (Biological & Physical)	3,071	4	24.2	38	1	18.6	2,957	5	24.3
Social Sciences	4,266	5	22.2	51	1	17.9	4,054	6	22.4
Trade & Industrial	395	0	19.3	172	5	18.6	207	0	20.0
Visual & Performing Arts	3,991	5	21.5	196	5	17.7	3,604	6	21.8
Undecided	11,166	13	21.2	592	16	17.6	9,763	15	21.5
No Response	23,003	27	22.1	365	10	17.9	8,620	13	22.3

<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	529	17.3	72	15.1	1	14.0	391	17.8	11	15.5	7	18.9	47	17.0
2-yr College Degree	3,223	17.8	344	14.7	7	16.9	2,534	18.3	63	16.5	17	19.1	258	17.8
Bachelors Degree	31,475	20.6	2,608	16.2	83	19.9	24,847	21.0	482	19.3	297	21.2	3,158	20.6
Graduate Study	14,398	23.2	1,200	18.2	38	21.5	11,157	23.7	215	22.3	223	24.3	1,565	23.4
Prof. Level Degree	19,629	22.8	2,506	17.9	83	22.1	13,689	23.5	392	21.1	522	25.3	2,437	23.0
Other	1,805	18.5	333	15.4	6	20.3	1,194	19.3	38	17.3	18	20.3	216	18.6
No Response	15,021	22.1	1,114	16.5	29	19.8	8,787	22.3	204	20.6	214	24.6	4,673	23.0

**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
OHIO STATE UNIVERSITY THE	Ohio	25,313	10,253	15,060	1	5	20	33	26	13	1
OHIO UNIVERSITY	Ohio	12,190	3,307	8,883	0	4	23	37	26	9	1
BOWLING GREEN STATE UNIVERSITY	Ohio	11,692	3,427	8,265	1	7	29	36	20	7	0
KENT STATE UNIVERSITY	Ohio	11,666	3,336	8,330	1	9	32	35	18	5	0
UNIVERSITY OF CINCINNATI	Ohio	10,938	3,577	7,361	1	8	25	32	23	10	1
UNIVERSITY OF AKRON	Ohio	9,517	2,924	6,593	2	11	32	32	18	6	0
MIAMI UNIVERSITY	Ohio	9,363	2,470	6,893	0	2	13	29	35	19	2
UNIVERSITY OF TOLEDO	Ohio	8,927	2,270	6,657	1	8	27	33	21	8	1
WRIGHT STATE UNIVERSITY	Ohio	6,083	1,727	4,356	1	11	31	33	18	6	0
UNIVERSITY OF DAYTON	Ohio	4,188	745	3,443	1	4	18	32	29	15	2
YOUNGSTOWN STATE UNIVERSITY	Ohio	3,304	1,235	2,069	2	14	34	30	15	4	0
CLEVELAND STATE UNIVERSITY	Ohio	3,142	826	2,316	4	17	34	29	12	4	0
OHIO NORTHERN UNIVERSITY	Ohio	3,010	739	2,271	0	3	15	31	32	18	1
XAVIER UNIVERSITY-OH	Ohio	2,756	451	2,305	1	7	20	31	28	13	1
CASE WESTERN RESERVE UNIV	Ohio	2,483	729	1,754	1	5	9	20	28	31	6
CAPITAL UNIVERSITY	Ohio	2,341	585	1,756	1	8	27	34	22	8	0
BALDWIN-WALLACE COLLEGE	Ohio	2,167	619	1,548	1	7	22	34	26	11	0
ASHLAND UNIVERSITY	Ohio	2,070	619	1,451	1	5	29	38	21	5	0
OTTERBEIN COLLEGE	Ohio	2,059	378	1,681	1	7	21	37	25	8	1
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	2,040	631	1,409	4	15	39	28	11	2	0
UNIVERSITY OF FINDLAY THE	Ohio	1,974	435	1,539	1	5	25	35	25	9	0
MOUNT UNION COLLEGE	Ohio	1,837	410	1,427	1	6	29	35	21	7	1
OWENS COMMUNITY COLLEGE	Ohio	1,736	497	1,239	2	15	40	31	10	2	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	1,591	361	1,230	1	11	34	34	15	5	0
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	1,503	571	932	1	9	27	33	21	9	1
UNIVERSITY OF KENTUCKY	Kentucky	1,497	341	1,156	0	5	18	36	28	12	1
SHAWNEE STATE UNIVERSITY	Ohio	1,457	538	919	2	14	39	31	12	3	0
JOHN CARROLL UNIVERSITY	Ohio	1,319	290	1,029	1	6	16	34	29	14	1
SINCLAIR COMMUNITY COLLEGE	Ohio	1,298	371	927	2	13	38	32	13	2	0
MALONE COLLEGE	Ohio	1,233	328	905	0	7	26	36	22	8	0
All Other Institutions		96,684	24,605	72,079	2	9	26	28	20	13	2
<b>Total</b>		<b>247,378</b>	<b>69,595</b>	<b>177,783</b>	<b>1</b>	<b>8</b>	<b>25</b>	<b>31</b>	<b>22</b>	<b>11</b>	<b>1</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>48,470</b>	<b>532,943</b>	<b>21.7</b>	<b>22.3</b>	<b>7.3</b>	<b>7.6</b>	<b>21.2</b>	<b>21.8</b>
African Am./Black	4,660	50,340	16.0	17.2	6.5	6.7	16.2	17.3
Am. Indian/Alaska Native	129	3,462	20.3	19.8	6.9	7.0	19.7	19.4
Caucasian Am./White	34,545	308,578	22.3	23.4	7.4	7.6	21.7	22.6
Hispanic	833	42,588	20.0	18.8	7.1	7.3	19.6	19.0
Asian Am./Pacific Islander	905	25,616	24.0	23.2	8.0	8.0	23.5	22.8
Other/No Response	7,398	102,359	22.5	23.2	7.5	7.8	21.9	22.7
Males	19,747	204,427	21.6	22.0	7.1	7.3	20.8	21.3
Females	25,332	285,556	21.7	22.5	7.5	7.7	21.4	22.1
Missing	3,391	42,960	22.3	23.0	7.5	7.8	21.8	22.6



