

ACT High School Profile Report

The Graduating Class of 2008
Ohio



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Section I: Executive Summary	P. 5
Section II: Academic Achievement	P. 9
Section III: College Readiness & the Impact of Course Rigor	P. 15
Section IV: Career and Educational Aspirations	P. 23
Section V: Optional Writing Test Results	P. 27



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

26% 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. 88,103 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. 68% 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 9% of the cohort took less than three years of math courses. Of these students, 15% were college ready. 18% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 17% 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 16% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 36% 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.

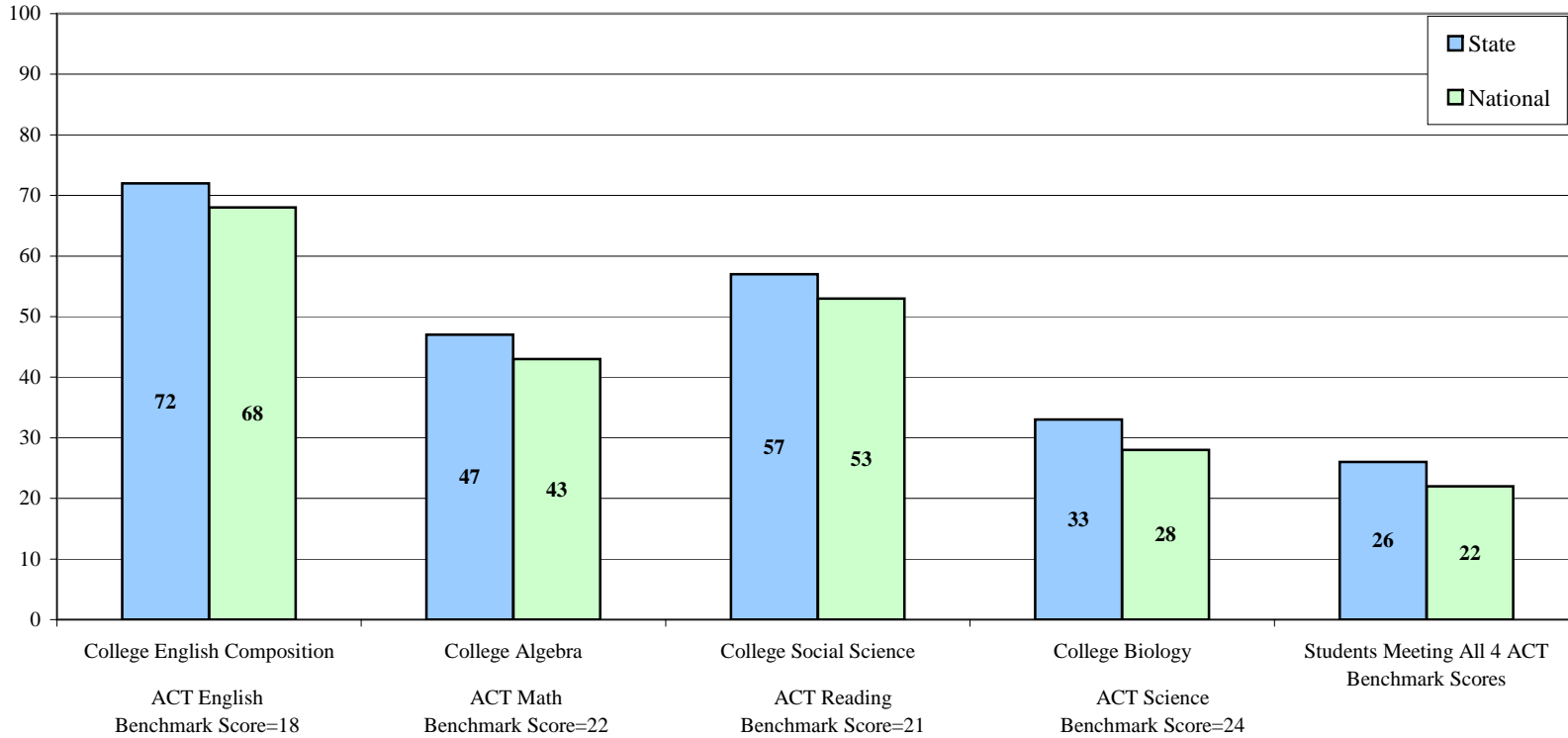
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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	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
2007	86,080	1,300,599	72	69	45	43	56	53	32	28	25	23
2008	88,103	1,421,941	72	68	47	43	57	53	33	28	26	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	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
2007	86,080	1,300,599	21.0	20.7	21.3	21.0	22.0	21.5	21.6	21.0	21.6	21.2
2008	88,103	1,421,941	21.1	20.6	21.5	21.0	22.1	21.4	21.7	20.8	21.7	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									
	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
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
2007	47,485	27,118	55	32	21.9	19.2	22.2	19.7	22.8	20.6	22.3	20.3	22.4	20.0
2008	59,739	23,101	68	26	21.9	19.0	22.3	19.5	22.8	20.4	22.3	20.1	22.4	19.9

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	81,510	100	21.4	80,732	100	21.4	81,564	100	21.5	86,080	100	21.6	88,103	100	21.7
African American/Black	6,947	9	17.2	7,405	9	17.1	7,666	9	17.2	8,177	9	17.0	9,108	10	17.1
American Indian/Alaska Native	224	0	20.1	220	0	20.4	233	0	20.3	247	0	20.8	251	0	20.4
Caucasian American/White	65,600	80	21.8	64,175	79	21.9	62,306	76	22.0	62,599	73	22.1	67,493	77	22.2
Hispanic	1,189	1	20.1	1,349	2	20.0	1,360	2	20.1	1,405	2	20.2	1,609	2	20.1
Asian American/Pacific Islander	1,288	2	23.1	1,355	2	23.1	1,261	2	23.3	1,298	2	23.9	1,456	2	24.1
Other/No Response	6,262	8	21.7	6,228	8	21.6	8,738	11	21.7	12,354	14	22.2	8,186	9	22.3

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	127	100	209	100	613	100	242	100	35	100	36
35	850	100	493	100	863	99	447	100	173	100	35
34	1,211	99	644	99	919	98	441	99	404	100	34
33	1,017	98	958	98	1,672	97	767	99	686	99	33
32	1,114	96	1,065	97	1,861	95	476	98	1,012	99	32
31	1,430	95	971	96	2,586	93	818	97	1,374	97	31
30	2,012	93	1,757	95	2,871	90	1,395	96	2,025	96	30
29	2,185	91	2,274	93	3,000	87	1,516	95	2,300	94	29
28	2,618	89	3,142	90	3,344	84	2,307	93	2,955	91	28
27	2,757	86	3,738	87	3,319	80	3,050	90	3,861	88	27
26	3,797	83	4,633	83	3,512	76	4,279	87	4,274	83	26
25	4,409	78	5,343	77	3,973	72	7,222	82	5,226	78	25
24	4,955	73	5,958	71	4,994	68	5,819	74	5,797	72	24
23	4,864	68	5,127	65	6,541	62	7,407	67	6,524	66	23
22	5,926	62	4,929	59	5,105	55	8,155	59	6,836	58	22
21	7,585	55	5,167	53	5,337	49	7,710	50	6,965	51	21
20	6,801	47	4,983	47	7,008	43	9,363	41	7,181	43	20
19	5,443	39	5,606	42	5,393	35	6,820	30	6,599	35	19
18	4,489	33	6,641	35	4,238	29	5,652	23	6,288	27	18
17	4,253	28	7,327	28	4,454	24	3,580	16	5,337	20	17
16	4,421	23	8,376	19	4,464	19	3,284	12	4,266	14	16
15	4,458	18	5,621	10	3,739	14	2,089	8	3,177	9	15
14	3,143	13	2,178	4	2,880	9	1,620	6	2,302	5	14
13	2,218	9	621	1	2,546	6	1,345	4	1,375	3	13
12	1,663	7	228	1	1,303	3	1,032	3	734	1	12
11	1,601	5	65	1	808	2	635	1	283	1	11
10	1,270	3	30	1	446	1	359	1	71	1	10
9	691	2	12	1	151	1	159	1	29	1	9
8	488	1	2	1	70	1	66	1	12	1	8
7	219	1	0	1	49	1	23	1	2	1	7
6	54	1	3	1	30	1	14	1	0	1	6
5	26	1	0	1	9	1	5	1	0	1	5
4	7	1	2	1	3	1	4	1	0	1	4
3	1	1	0	1	2	1	1	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)	21.1 (5.8)		21.5 (5.1)		22.1 (5.8)		21.7 (4.6)		21.7 (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	2,985	100	636	100	2,301	100	2,749	100	4,130	100	622	100	796	100	18
17	3,403	97	1,600	99	3,555	97	4,630	97	4,384	95	1,064	99	267	99	17
16	3,708	93	4,251	97	4,793	93	6,104	92	4,625	90	2,229	98	3,206	99	16
15	4,394	89	6,043	93	6,505	88	7,255	85	4,562	85	3,133	96	4,065	95	15
14	5,021	84	5,799	86	5,821	81	7,298	76	7,053	80	7,844	92	8,246	91	14
13	6,381	78	7,852	79	7,223	74	6,262	68	8,117	72	8,186	83	8,223	81	13
12	6,380	71	10,844	70	7,908	66	8,031	61	8,524	63	9,289	74	10,809	72	12
11	8,826	63	11,182	58	10,053	57	9,043	52	8,142	53	12,972	63	10,319	60	11
10	10,429	53	11,728	45	9,367	45	8,175	42	9,036	44	14,782	49	13,193	48	10
9	9,134	42	8,838	32	10,105	35	7,085	32	7,010	34	11,549	32	11,297	33	9
8	7,740	31	7,994	22	9,194	23	6,608	24	9,889	26	7,745	19	7,066	20	8
7	6,560	22	4,901	13	5,188	13	4,803	17	8,001	14	2,887	10	4,539	12	7
6	5,084	15	2,785	7	2,975	7	4,460	11	3,332	5	2,866	7	1,820	7	6
5	3,744	9	1,780	4	1,588	4	3,724	6	845	1	1,672	3	2,332	5	5
4	2,819	5	1,328	2	914	2	1,256	2	302	1	555	1	550	2	4
3	1,093	2	448	1	377	1	437	1	103	1	544	1	946	2	3
2	368	1	84	1	163	1	174	1	42	1	35	1	262	1	2
1	34	1	10	1	73	1	9	1	6	1	129	1	167	1	1
Avg (SD)	10.5 (3.7)		10.9 (3.0)		11.2 (3.3)		11.3 (3.7)		11.4 (3.4)		10.7 (2.8)		10.7 (2.9)		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	25	25
Q2 (50th Percentile)	21	21	22	22	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	All Students	88,103	68	22.4	19.9
	African Am./Black	9,108	60	17.8	16.1
	Am. Indian/Alaska Native	251	63	21.1	19.0
	Caucasian Am./White	67,493	70	22.9	20.5
	Hispanic	1,609	65	21.1	18.5
	Asian Am./Pacific Islander	1,456	76	24.5	22.1
	Other/No Response	8,186	59	22.8	20.6
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	21.1	21.5	22.1	21.7	21.7
	African Am./Black	15.9	17.1	17.2	17.6	17.1
	Am. Indian/Alaska Native	19.3	19.9	21.1	20.5	20.4
	Caucasian Am./White	21.7	22.0	22.7	22.2	22.2
	Hispanic	19.4	19.9	20.6	20.3	20.1
	Asian Am./Pacific Islander	23.2	25.1	23.8	23.6	24.1
	Other/No Response	21.8	22.1	22.8	22.1	22.3
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	3,205	4	2,304	3	4,067	5	1,897	2
	28 to 32	9,359	11	9,209	10	13,662	16	6,512	7
	24 to 27	15,918	18	19,672	22	15,798	18	20,370	23
	20 to 23	25,176	29	20,206	23	23,991	27	32,635	37
	16 to 19	18,606	21	27,950	32	18,549	21	19,336	22
	13 to 15	9,819	11	8,420	10	9,165	10	5,054	6
	01 to 12	6,020	7	342	0	2,871	3	2,299	3
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	39,567	45	20.7	22.3	22.0	22.2	21.9
	Females	46,672	53	21.3	20.8	22.1	21.2	21.5
	Missing	1,864	2	22.7	23.2	23.8	23.0	23.3
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	70	53	57	38	30
	Females	74	41	58	28	22
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	59,739	78	21.9	54	22.3	62	22.8	37	22.3	30	22.4
	Non-Core	23,101	58	19.0	30	19.5	45	20.4	20	20.1	15	19.9
	Missing	5,263	66	20.6	46	21.4	54	21.8	33	21.3	28	21.4
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	79,250	73	21.1	75,867	50	21.9	74,983	58	22.2	70,018	36	22.1
	Non-Core	4,842	67	20.2	7,553	15	17.8	8,716	53	21.6	13,512	14	19.4
	Missing	4,011	69	21.1	4,683	46	21.5	4,404	57	22.3	4,573	35	21.7
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

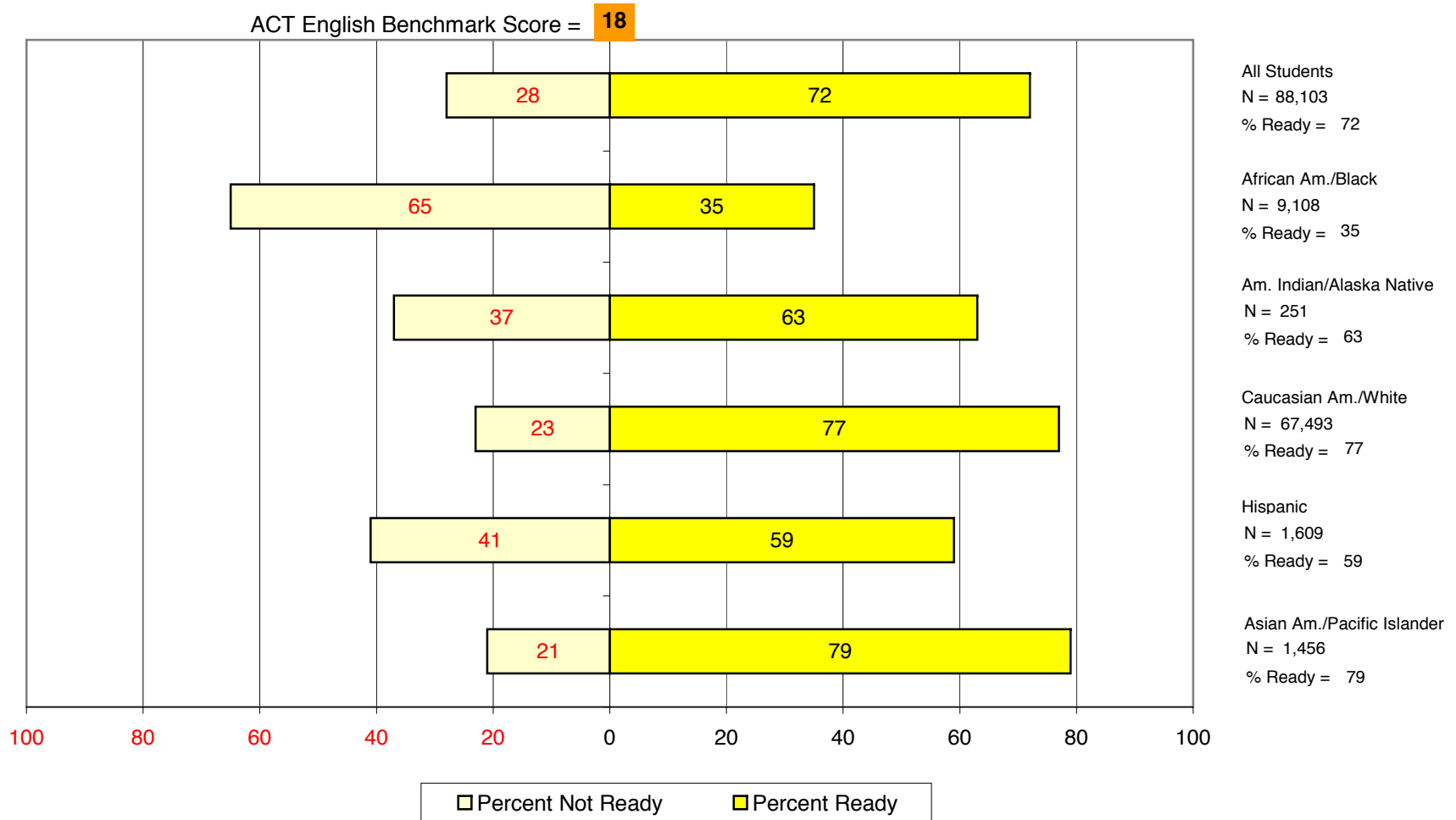


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

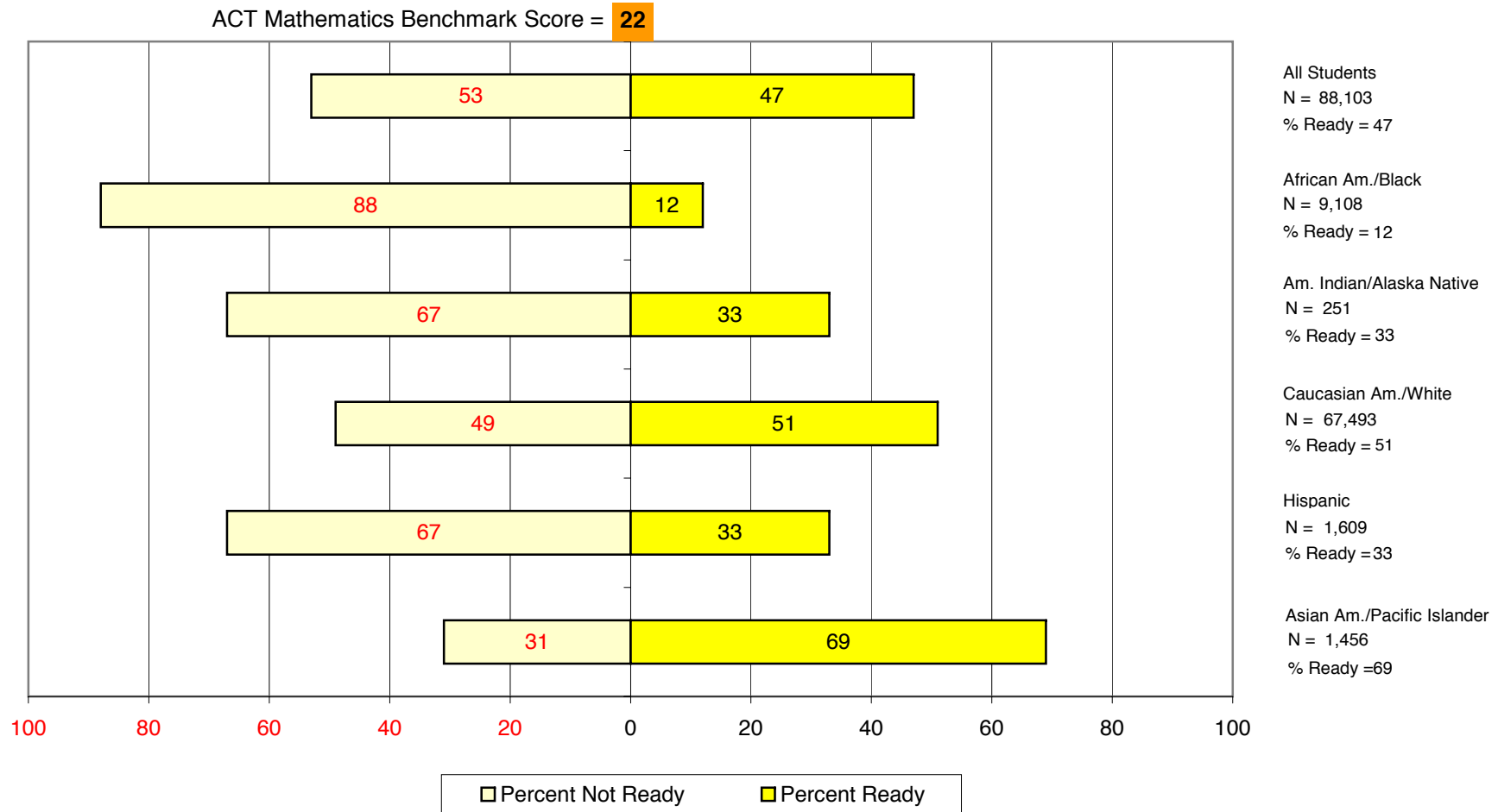


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

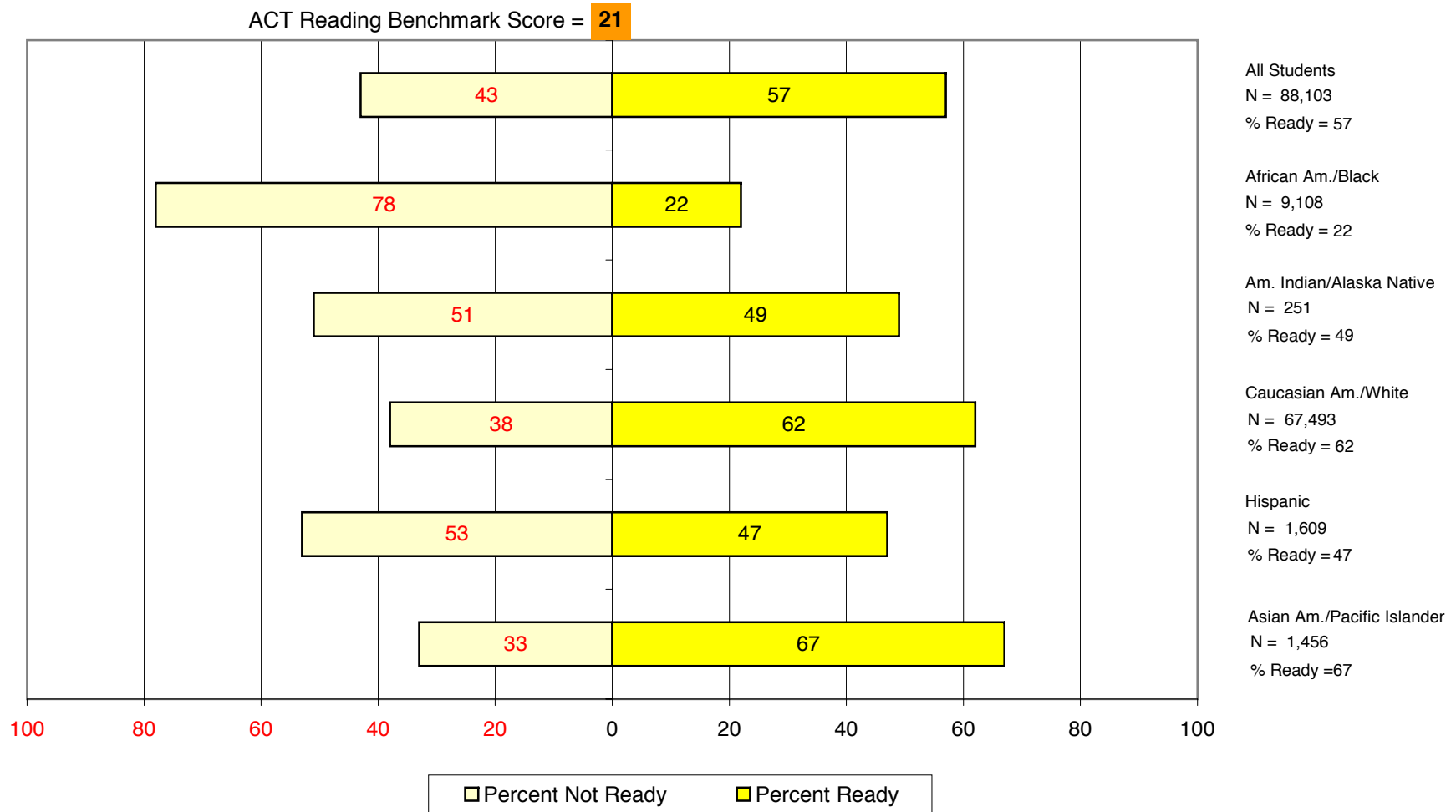


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

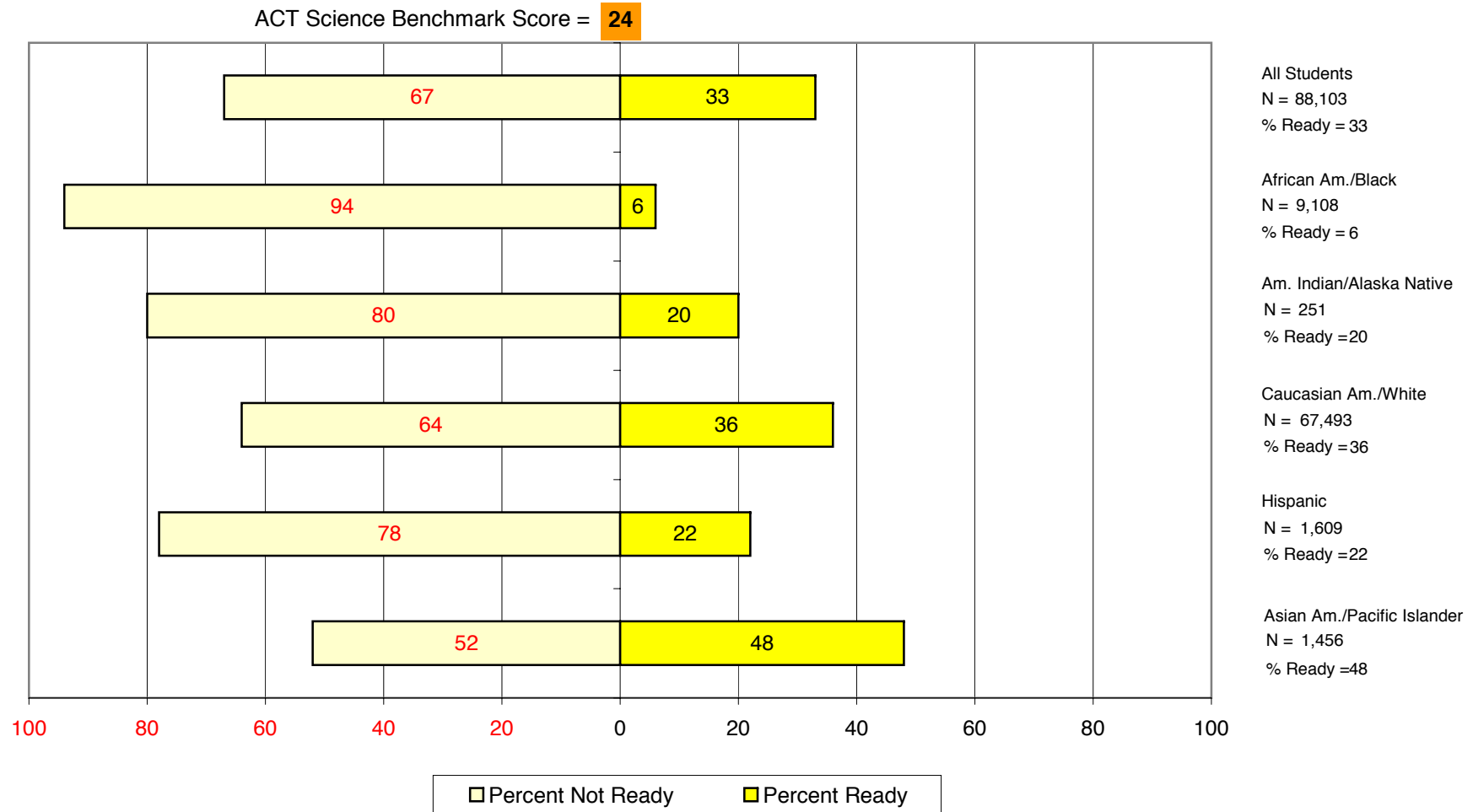


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

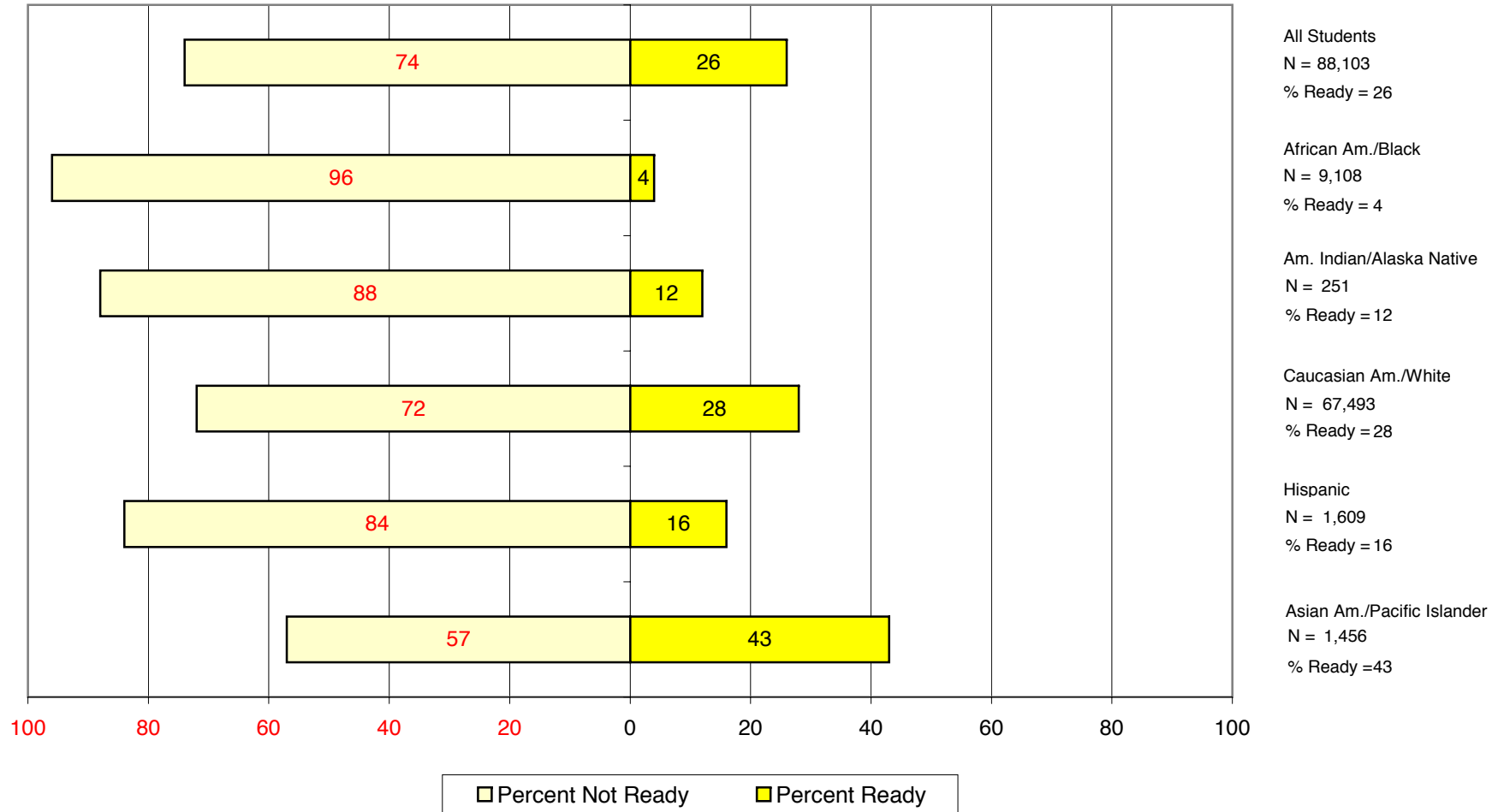


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	17,201	20	22.2	2.0	6,835	17	21.7	1.8	10,165	22	22.5	2.1
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	62,049	70	20.8	0.6	28,558	72	20.5	0.6	32,687	70	21.0	0.6
Less than 4 years of English	4,868	6	20.2	-	2,349	6	19.9	-	2,292	5	20.4	-
No English course/grade information reported	3,985	5	21.1	-	1,825	5	20.2	-	1,528	3	21.2	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	5,548	6	25.5	7.7	2,736	7	26.2	8.0	2,720	6	24.8	7.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,628	8	22.4	4.6	2,676	7	23.1	4.9	3,879	8	21.9	4.6
Alg 1, Alg 2, Geom, & Trig	6,183	7	20.9	3.1	2,714	7	21.7	3.5	3,377	7	20.2	2.9
Alg 1, Alg 2, Geom, & Other Adv Math	15,308	17	20.8	3.0	5,952	15	21.4	3.2	9,168	20	20.4	3.1
Other comb of 4 or more years of Math	21,648	25	24.4	6.6	11,010	28	25.2	7.0	10,318	22	23.6	6.3
Alg 1, Alg 2, & Geom (Min. Core)	15,904	18	18.3	0.5	6,595	17	18.8	0.6	9,095	19	17.9	0.6
Other comb of 3 or 3.5 years of Math	4,648	5	21.5	3.7	2,324	6	22.1	3.9	2,251	5	21.0	3.7
Less than 3 years of Math	7,981	9	17.8	-	3,607	9	18.2	-	4,215	9	17.3	-
No Math course/grade information reported	4,255	5	21.9	-	1,953	5	21.9	-	1,649	4	20.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	5,783	7	22.9	1.3	2,834	7	22.7	1.3	2,872	6	23.0	1.4
Other comb of 4 or more years Social Science	27,928	32	22.7	1.1	12,505	32	22.6	1.2	15,019	32	22.8	1.2
US Hist, World Hist, & Am Gov (Min. Core)	15,946	18	21.0	-0.6	7,332	19	21.1	-0.3	8,443	18	20.9	-0.7
Other comb of 3 or 3.5 years of Social Science	25,326	29	22.1	0.5	10,853	27	22.1	0.7	14,162	30	22.2	0.6
Less than 3 years of Social Science	8,832	10	21.6	-	4,065	10	21.4	-	4,525	10	21.6	-
No Soc Sci course/grade information reported	4,288	5	22.3	-	1,978	5	21.8	-	1,651	4	22.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	30,667	35	23.1	3.7	15,528	39	23.7	4.1	14,711	32	22.4	3.2
Bio, Chem, Phys	5,579	6	24.7	5.3	2,829	7	25.3	5.7	2,637	6	24.0	4.8
Gen Sci ² , Bio, Chem (Min. Core)	31,500	36	20.9	1.5	11,600	29	21.2	1.6	19,495	42	20.7	1.5
Other comb of 3 years of Natural Science	2,272	3	20.4	1.0	1,284	3	20.9	1.3	954	2	19.8	0.6
Less than 3 years of Natural Science	13,763	16	19.4	-	6,343	16	19.6	-	7,201	15	19.2	-
No Nat Sci course/grade information reported	4,322	5	21.8	-	1,983	5	21.6	-	1,674	4	21.1	-

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	17,201	20	22.2	80	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	62,049	70	20.8	71	949,721	67	20.5	68
Less than 4 years of English	4,868	6	20.2	66	112,496	8	18.8	56
No English course/grade information reported	3,985	5	21.1	69	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	5,548	6	25.5	81	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,628	8	22.4	59	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	6,183	7	20.9	43	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	15,308	17	20.8	43	204,909	14	20.4	38
Other comb of 4 or more years of Math	21,648	25	24.4	71	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	15,904	18	18.3	17	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	4,648	5	21.5	48	70,951	5	20.8	41
Less than 3 years of Math	7,981	9	17.8	15	131,252	9	17.4	14
No Math course/grade information reported	4,255	5	21.9	50	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	5,783	7	22.9	62	42,546	3	22.7	61
Other comb of 4 or more years Social Science	27,928	32	22.7	62	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	15,946	18	21.0	49	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	25,326	29	22.1	58	404,731	28	21.3	52
Less than 3 years of Social Science	8,832	10	21.6	53	185,561	13	20.4	45
No Soc Sci course/grade information reported	4,288	5	22.3	58	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	30,667	35	23.1	45	453,654	32	22.2	38
Bio, Chem, Phys	5,579	6	24.7	59	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	31,500	36	20.9	24	435,183	31	20.1	20
Other comb of 3 years of Natural Science	2,272	3	20.4	22	40,179	3	20.1	22
Less than 3 years of Natural Science	13,763	16	19.4	15	259,142	18	18.7	13
No Nat Sci course/grade information reported	4,322	5	21.8	36	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	937	1	19.4	194	5	17.3	703	1	20.0
Architecture & Environmental Design	1,564	2	21.9	52	1	18.6	1,433	2	22.1
Business & Management	8,903	10	21.1	331	8	17.6	8,143	11	21.3
Business & Office	574	1	19.9	75	2	18.1	466	1	20.2
Marketing & Distribution	906	1	20.8	37	1	18.4	816	1	20.9
Communications & Comm. Technologies	2,631	3	21.7	85	2	18.3	2,405	3	21.8
Community & Personal Services	2,018	2	19.2	228	5	17.8	1,686	2	19.5
Computer & Information Sciences	2,010	2	21.9	158	4	19.0	1,767	2	22.2
Cross-Disciplinary Studies	78	0	24.2	0	0	.	73	0	24.1
Education	4,401	5	21.1	67	2	17.0	4,137	6	21.2
Teacher Education	2,578	3	20.7	53	1	17.0	2,418	3	20.8
Engineering	3,887	4	24.1	108	3	17.5	3,639	5	24.3
Engineering-Related Technologies	2,122	2	22.5	132	3	18.6	1,889	3	22.8
Foreign Languages	466	1	24.1	10	0	18.6	431	1	24.3
Health Sciences & Allied Health Fields	16,814	19	21.1	1,223	29	17.9	14,945	20	21.4
Human, Family & Consumer Science	721	1	19.3	87	2	17.5	595	1	19.7
Letters	480	1	24.8	11	0	20.7	442	1	24.9
Mathematics	486	1	24.7	7	0	19.7	462	1	24.9
Philosophy, Religion & Theology	392	0	22.7	5	0	21.6	369	0	22.8
Sciences (Biological & Physical)	4,002	5	23.9	46	1	18.6	3,777	5	24.0
Social Sciences	5,120	6	22.3	55	1	17.8	4,872	7	22.4
Trade & Industrial	554	1	19.1	216	5	17.9	305	0	19.9
Visual & Performing Arts	4,797	5	21.5	259	6	18.2	4,234	6	21.8
Undecided	13,416	15	21.8	640	15	17.7	11,753	16	22.0
No Response	8,246	9	22.3	162	4	17.5	3,113	4	22.9

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	501	17.7	60	14.8	1	12.0	395	18.2	11	16.4	6	16.7	28	17.5
2-yr College Degree	3,740	17.9	376	14.3	19	18.6	3,013	18.4	75	16.5	24	18.2	233	17.9
Bachelors Degree	37,637	20.7	3,261	16.5	100	19.7	30,724	21.2	624	19.2	382	21.0	2,546	20.5
Graduate Study	15,382	23.4	1,269	18.3	39	21.2	12,375	23.9	264	21.6	232	24.0	1,203	23.7
Prof. Level Degree	21,854	23.1	2,930	18.2	66	21.9	15,487	23.9	499	21.5	655	26.1	2,217	23.5
Other	1,728	19.0	299	15.7	7	19.9	1,188	19.8	31	17.3	28	20.3	175	19.2
No Response	7,261	22.2	913	16.0	19	19.3	4,311	22.9	105	19.1	129	25.3	1,784	23.6

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
OHIO STATE UNIVERSITY THE	Ohio	23,163	9,236	13,927	1	5	18	31	28	15	2
OHIO UNIVERSITY	Ohio	11,920	3,452	8,468	0	4	21	37	27	10	1
UNIVERSITY OF CINCINNATI	Ohio	11,261	3,815	7,446	1	7	23	32	24	12	1
KENT STATE UNIVERSITY	Ohio	10,913	3,261	7,652	2	8	29	35	19	6	0
BOWLING GREEN STATE UNIVERSITY	Ohio	10,457	2,910	7,547	1	6	27	37	21	7	0
UNIVERSITY OF AKRON	Ohio	9,448	2,949	6,499	2	10	30	33	18	6	0
MIAMI UNIVERSITY	Ohio	9,148	2,351	6,797	0	2	11	29	35	21	2
UNIVERSITY OF TOLEDO	Ohio	8,288	2,232	6,056	1	8	27	34	21	8	0
WRIGHT STATE UNIVERSITY	Ohio	5,885	1,710	4,175	1	9	29	33	19	7	0
UNIVERSITY OF DAYTON	Ohio	4,300	869	3,431	1	3	14	33	31	17	2
YOUNGSTOWN STATE UNIVERSITY	Ohio	3,062	1,123	1,939	2	13	34	30	16	5	0
CLEVELAND STATE UNIVERSITY	Ohio	3,036	799	2,237	3	16	34	28	14	4	0
OHIO NORTHERN UNIVERSITY	Ohio	2,648	667	1,981	0	2	15	30	34	17	1
XAVIER UNIVERSITY-OH	Ohio	2,481	429	2,052	2	6	18	30	28	15	1
CASE WESTERN RESERVE UNIV	Ohio	2,328	653	1,675	1	3	9	19	28	31	8
CAPITAL UNIVERSITY	Ohio	2,211	499	1,712	1	7	24	36	24	8	0
NCAA ELIGIBILITY CENTER	Indiana	2,096	961	1,135	2	10	26	30	21	9	1
BALDWIN-WALLACE COLLEGE	Ohio	2,005	566	1,439	1	7	23	32	25	12	1
OTTERBEIN COLLEGE	Ohio	1,925	408	1,517	1	6	23	35	24	10	1
ASHLAND UNIVERSITY	Ohio	1,903	530	1,373	1	5	26	37	23	8	0
UNIVERSITY OF FINDLAY THE	Ohio	1,832	415	1,417	1	5	23	34	26	11	0
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	1,820	566	1,254	4	15	38	31	12	2	0
MOUNT UNION COLLEGE	Ohio	1,739	440	1,299	1	7	27	35	24	6	0
SHAWNEE STATE UNIVERSITY	Ohio	1,566	617	949	2	14	36	33	13	3	0
UNIVERSITY OF KENTUCKY	Kentucky	1,565	315	1,250	1	4	18	34	31	11	1
NORTHERN KENTUCKY UNIVERSITY	Kentucky	1,548	356	1,192	2	10	32	35	16	5	0
OWENS COMMUNITY COLLEGE	Ohio	1,457	466	991	3	17	40	30	9	1	0
JOHN CARROLL UNIVERSITY	Ohio	1,251	303	948	1	5	17	33	31	12	1
OHIO DOMINICAN UNIVERSITY	Ohio	1,150	270	880	3	14	33	33	15	4	0
MUSKINGUM COLLEGE	Ohio	1,127	257	870	0	9	30	34	20	6	0
All Other Institutions		90,867	23,665	67,202	1	9	25	28	21	13	2
Total		234,400	67,090	167,310	1	7	24	31	23	12	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	52,254	770,529	21.7	21.4	7.3	7.3	21.1	20.9
African Am./Black	5,708	86,049	16.2	16.6	6.5	6.5	16.4	16.6
Am. Indian/Alaska Native	139	5,148	20.1	18.9	7.1	6.7	19.7	18.5
Caucasian Am./White	38,921	464,177	22.4	22.5	7.4	7.4	21.7	21.8
Hispanic	985	71,060	20.0	18.3	7.1	7.1	19.7	18.5
Asian Am./Pacific Islander	1,070	37,359	24.2	23.1	7.8	7.9	23.4	22.6
Other/No Response	5,431	106,736	22.6	22.2	7.4	7.5	21.9	21.7
Males	22,540	327,613	21.5	20.9	7.1	7.0	20.7	20.2
Females	28,420	421,968	21.8	21.7	7.5	7.6	21.3	21.3
Missing	1,294	20,948	23.4	23.9	7.6	7.9	22.7	23.2

