

ACT High School Profile Report

The Graduating Class of 2006
Ohio



ACT High School Profile Report

The Graduating Class of 2006

Ohio

Section I: Executive Summary	P. 5
Section II: Academic Achievement	P. 9
Section III: College Readiness & the Impact of Course Rigor	P. 14
Section IV: Career and Educational Aspirations	P. 22
Section V: Optional Writing Test Results	P. 26



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

24% 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. 81,564 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. 57% 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, 17% 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 19% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 34% 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.

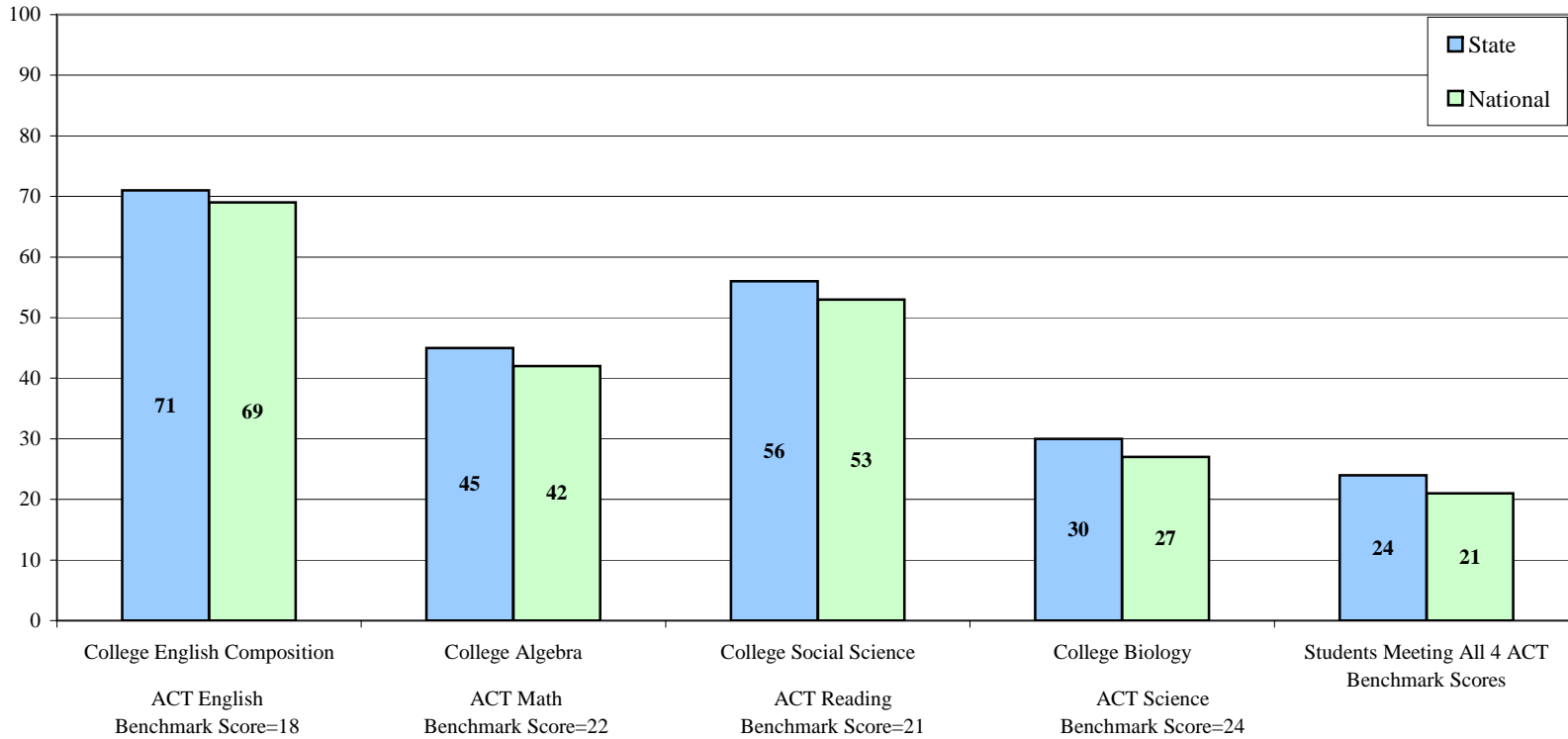
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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	78,002	1,116,082	70	67	44	39	57	53	29	26	23	20
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

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	78,002	1,116,082	20.6	20.2	21.2	20.6	21.8	21.1	21.5	20.8	21.4	20.8
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

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	47,420	27,180	61	35	21.7	18.6	22.3	19.1	22.9	20.0	22.4	19.9	22.4	19.5
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

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	78,002	100	21.4	81,710	100	21.4	81,510	100	21.4	80,732	100	21.4	81,564	100	21.5
African American/Black	6,170	8	17.1	6,835	8	17.1	6,947	9	17.2	7,405	9	17.1	7,666	9	17.2
American Indian/Alaskan Native	233	0	19.8	193	0	20.3	224	0	20.1	220	0	20.4	233	0	20.3
Caucasian American/White	64,114	82	21.8	66,442	81	21.8	65,600	80	21.8	64,175	79	21.9	62,306	76	22.0
Hispanic	1,072	1	20.1	1,192	1	20.0	1,189	1	20.1	1,349	2	20.0	1,360	2	20.1
Asian American/Pacific Islander	1,204	2	22.6	1,285	2	22.9	1,288	2	23.1	1,355	2	23.1	1,261	2	23.3
Other/No Response	5,209	7	21.5	5,763	7	21.6	6,262	8	21.7	6,228	8	21.6	8,738	11	21.7

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	123	100	139	100	484	100	175	100	12	100	36
35	580	100	355	100	849	99	391	100	125	100	35
34	951	99	720	99	1,264	98	362	99	321	100	34
33	870	98	530	99	1,443	97	495	99	547	99	33
32	967	97	745	98	1,291	95	746	98	854	99	32
31	1,209	96	1,033	97	2,061	93	750	97	1,130	98	31
30	1,511	94	1,390	96	2,245	91	663	96	1,605	96	30
29	2,322	92	1,998	94	2,681	88	1,293	96	1,984	94	29
28	2,329	90	2,523	92	2,746	85	1,843	94	2,597	92	28
27	2,483	87	3,756	88	3,494	82	2,452	92	3,397	89	27
26	3,255	84	4,274	84	4,036	77	4,879	89	3,932	85	26
25	4,215	80	4,715	79	3,659	72	4,679	83	4,696	80	25
24	4,547	74	5,278	73	4,311	68	5,959	77	5,346	74	24
23	4,417	69	4,754	66	6,059	63	7,440	70	5,963	67	23
22	5,526	63	4,532	61	4,162	55	6,872	61	6,473	60	22
21	6,387	57	5,211	55	5,235	50	8,275	52	6,729	52	21
20	6,387	49	4,966	49	5,637	44	8,075	42	6,630	44	20
19	5,557	41	5,431	42	5,183	37	7,466	32	6,338	36	19
18	4,355	34	6,315	36	4,283	30	5,849	23	6,024	28	18
17	4,146	29	7,546	28	4,735	25	3,788	16	5,262	21	17
16	4,363	24	7,498	19	3,674	19	2,935	11	4,123	14	16
15	4,297	18	4,176	10	3,028	15	1,857	8	3,071	9	15
14	3,455	13	2,503	5	3,798	11	1,361	5	2,094	5	14
13	1,857	9	766	1	2,108	6	1,049	4	1,270	3	13
12	1,535	7	283	1	1,637	4	809	2	684	1	12
11	1,329	5	82	1	960	2	562	1	258	1	11
10	956	3	21	1	240	1	308	1	67	1	10
9	656	2	13	1	146	1	139	1	25	1	9
8	597	1	5	1	50	1	64	1	6	1	8
7	260	1	2	1	30	1	18	1	1	1	7
6	88	1	3	1	20	1	6	1	0	1	6
5	30	1	0	1	7	1	2	1	0	1	5
4	4	1	0	1	4	1	1	1	0	1	4
3	0	1	1	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	0	1	0	1	0	1	1
Average	20.8		21.3		21.9		21.5		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	2,126	100	435	100	1,417	100	2,488	100	2,654	100	575	100	633	100	18
17	3,056	97	1,662	99	4,183	98	4,264	97	3,104	97	1,145	99	772	99	17
16	3,052	94	3,428	97	3,965	93	5,332	92	5,474	93	1,457	98	2,040	98	16
15	4,147	90	5,175	93	5,131	88	6,125	85	4,664	86	3,055	96	4,357	96	15
14	5,315	85	5,688	87	5,453	82	5,972	78	5,573	81	6,601	92	6,385	90	14
13	5,430	78	7,063	80	6,201	75	6,903	70	8,790	74	6,118	84	9,207	83	13
12	6,470	72	8,868	71	8,839	68	8,857	62	8,041	63	10,876	77	9,015	71	12
11	8,201	64	11,589	60	9,150	57	6,949	51	7,089	53	10,276	63	8,737	60	11
10	9,132	54	9,795	46	8,072	46	7,665	43	8,432	44	12,971	51	14,706	50	10
9	8,398	42	9,489	34	9,094	36	6,643	33	6,539	34	12,889	35	9,647	32	9
8	7,390	32	7,721	23	8,911	25	6,001	25	9,812	26	6,705	19	6,484	20	8
7	6,674	23	4,474	13	4,627	14	4,803	18	7,227	14	2,493	11	3,940	12	7
6	5,050	15	2,776	8	3,187	8	5,333	12	2,877	5	2,819	8	2,843	7	6
5	3,295	9	1,976	4	1,685	4	2,353	5	829	2	2,106	4	616	3	5
4	2,390	5	987	2	940	2	1,422	2	290	1	605	2	1,278	3	4
3	1,026	2	364	1	502	1	319	1	120	1	595	1	293	1	3
2	374	1	70	1	134	1	130	1	43	1	105	1	483	1	2
1	38	1	4	1	73	1	5	1	6	1	173	1	128	1	1
Average	10.4		10.8		11.0		11.3		11.3		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	81,564	57	22.4	20.0
	African Am./Black	7,666	53	17.9	16.3
	Am. Indian/Alaskan Native	233	57	21.0	19.4
	Caucasian Am./White	62,306	59	22.9	20.5
	Hispanic	1,360	53	21.2	18.6
	Asian Am./Pacific Islander	1,261	61	23.9	22.0
	Other/No Response	8,738	47	22.6	20.1
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	2,524	3	1,744	2	4,040	5	1,423	2
	28 to 32	8,338	10	7,689	9	11,024	14	5,295	6
	24 to 27	14,500	18	18,023	22	15,500	19	17,969	22
	20 to 23	22,717	28	19,463	24	21,093	26	30,662	38
	16 to 19	18,421	23	26,790	33	17,875	22	20,038	25
	13 to 15	9,609	12	7,445	9	8,934	11	4,267	5
	01 to 12	5,455	7	410	1	3,098	4	1,910	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	35,864	44	20.5	22.2	21.7	22.2	21.8
	Females	43,068	53	21.2	20.6	22.1	21.0	21.3
	Missing	2,632	3	20.7	21.2	22.0	21.4	21.4
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	69	52	55	36	28
	Females	73	39	58	25	20
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

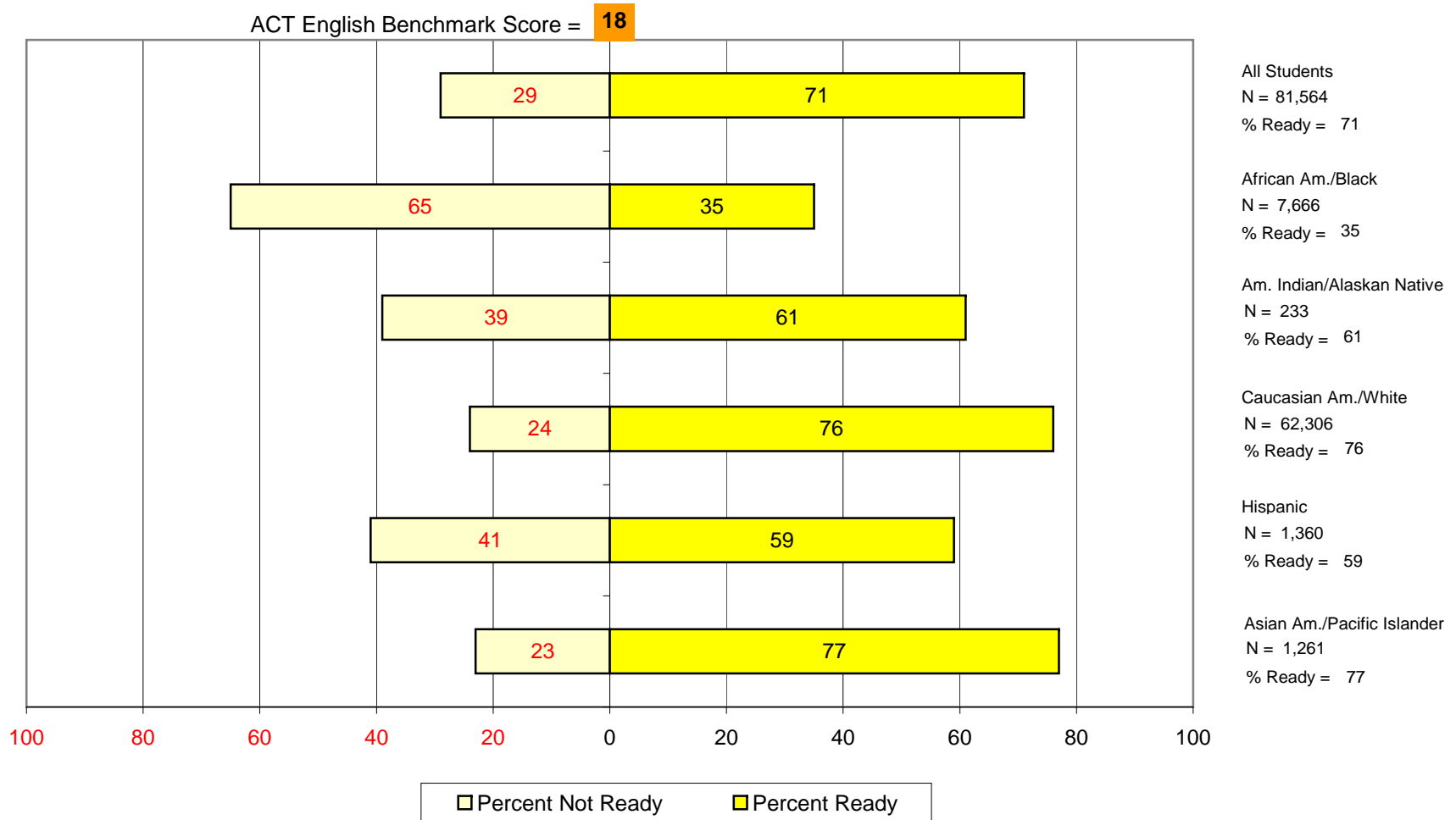


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

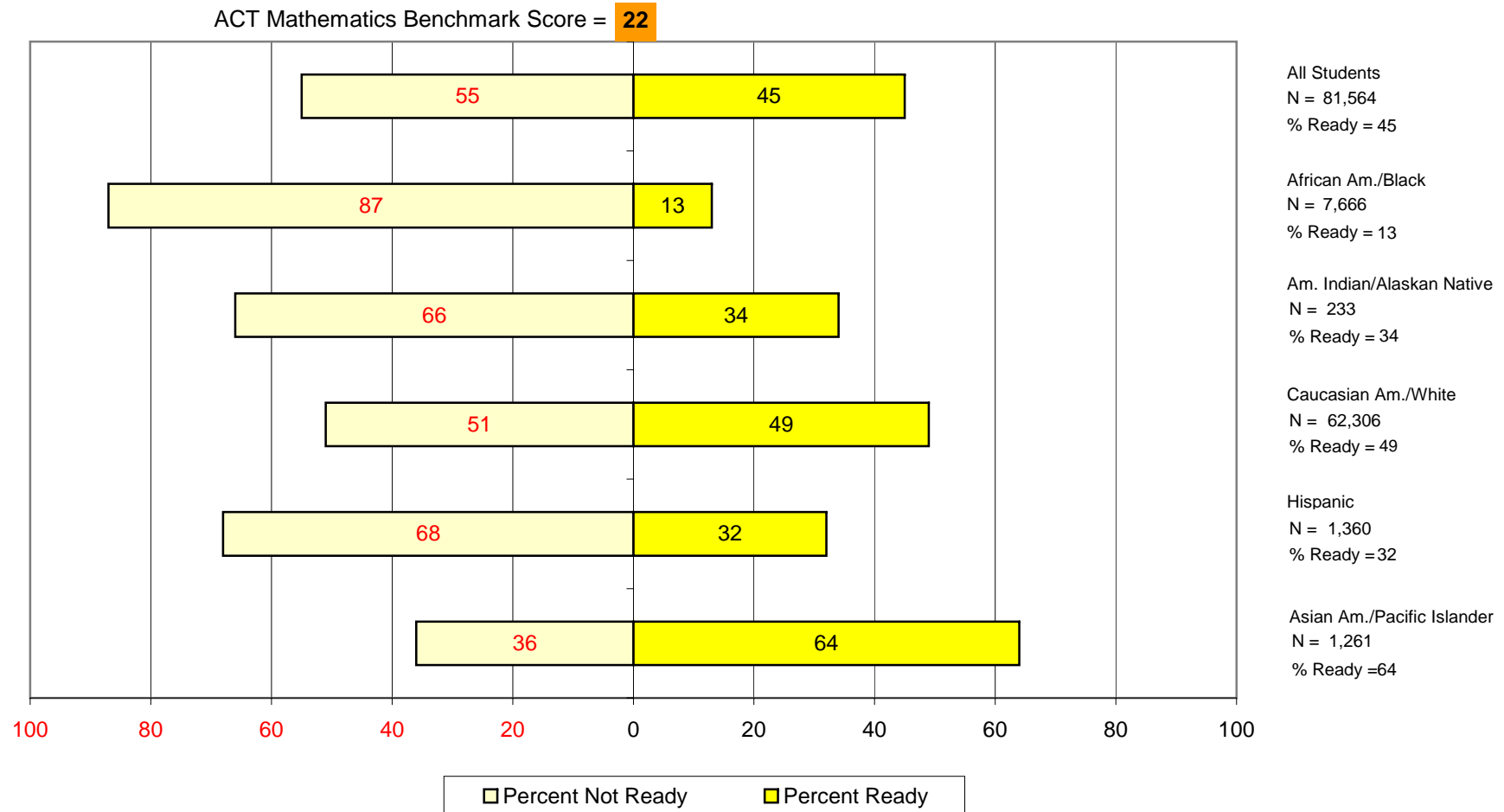


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

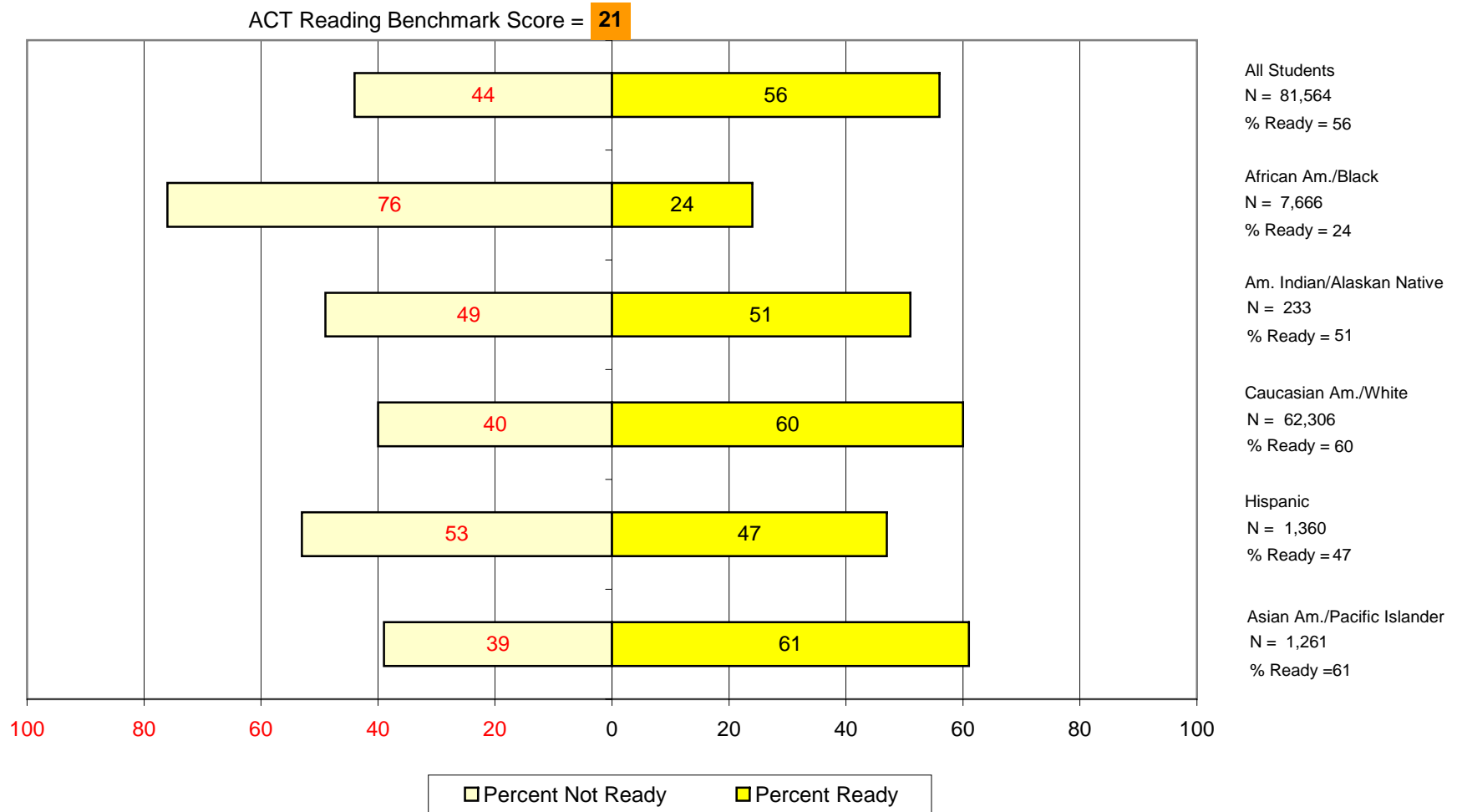


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

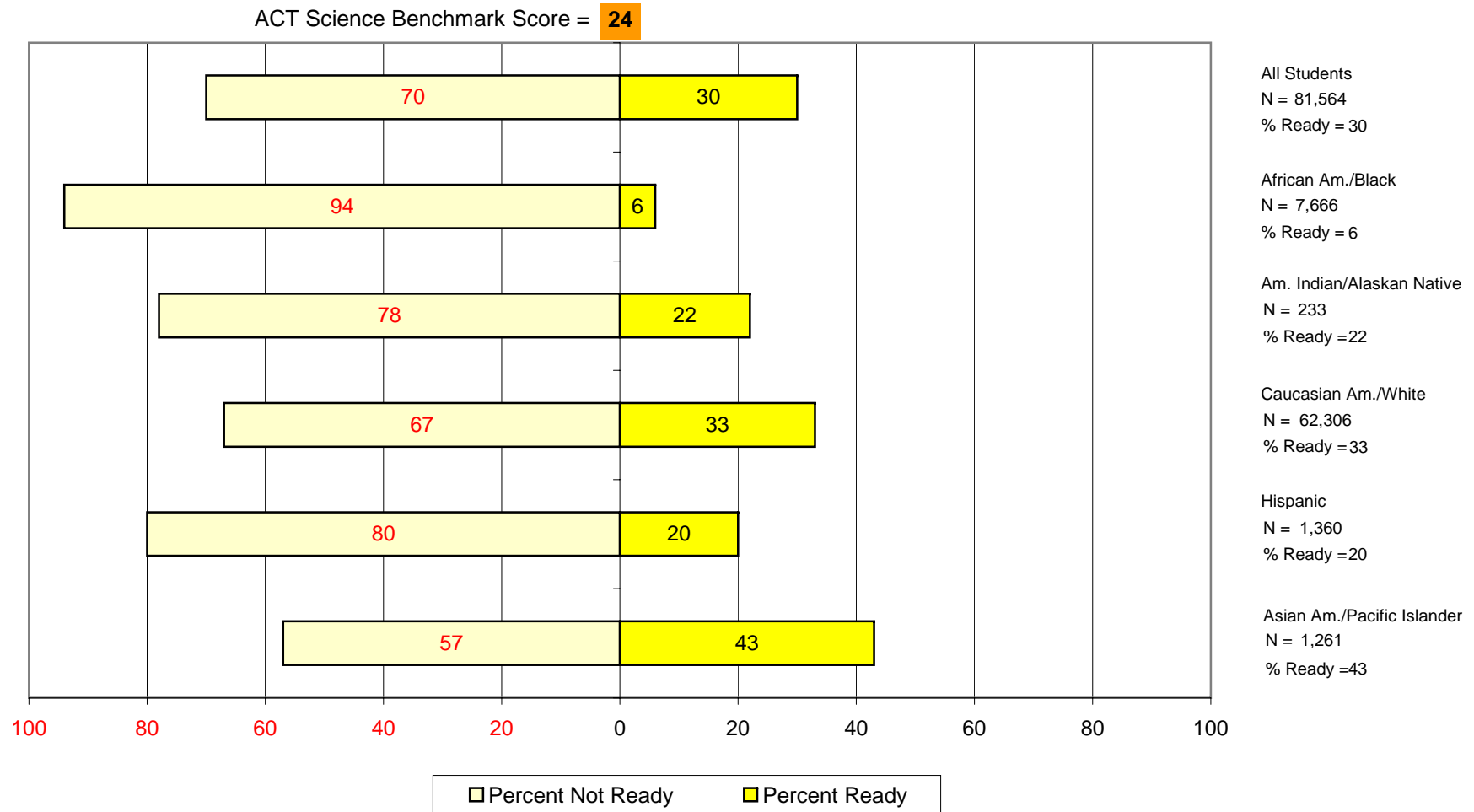


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

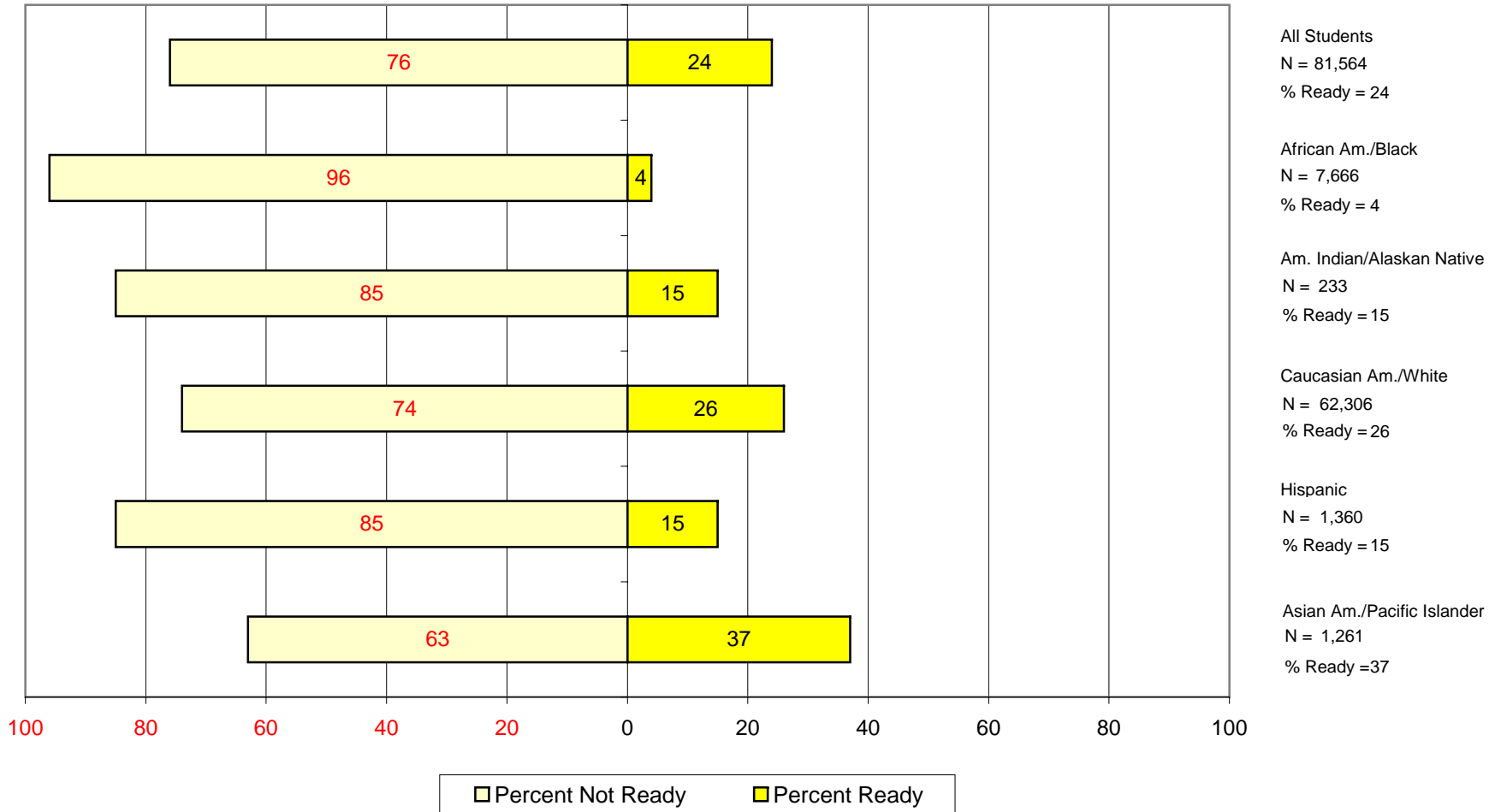


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	17,715	22	22.3	2.4	6,989	19	22.0	2.4	10,392	24	22.6	2.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	49,855	61	20.4	0.5	22,121	62	20.2	0.6	26,482	61	20.7	0.5
Less than 4 years of English	6,641	8	19.9	-	3,216	9	19.6	-	3,189	7	20.2	-
No English course/grade information reported	7,353	9	20.9	-	3,538	10	20.2	-	3,005	7	21.6	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	4,625	6	25.3	7.4	2,310	6	26.2	7.6	2,230	5	24.4	7.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,813	7	22.5	4.6	2,237	6	23.3	4.7	3,447	8	21.9	4.5
Alg 1, Alg 2, Geom, & Trig	5,582	7	20.8	2.9	2,428	7	21.6	3.0	3,005	7	20.2	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	12,735	16	21.0	3.1	4,830	13	21.6	3.0	7,602	18	20.5	3.1
Other comb of 4 or more years of Math	16,897	21	24.7	6.8	8,418	23	25.6	7.0	8,189	19	23.9	6.5
Alg 1, Alg 2, & Geom (Min. Core)	14,867	18	18.3	0.4	5,937	17	18.9	0.3	8,545	20	18.0	0.6
Other comb of 3 or 3.5 years of Math	3,642	4	21.3	3.4	1,729	5	21.8	3.2	1,799	4	20.9	3.5
Less than 3 years of Math	9,434	12	17.9	-	4,141	12	18.6	-	4,943	11	17.4	-
No Math course/grade information reported	7,969	10	21.3	-	3,834	11	21.8	-	3,308	8	20.6	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	4,556	6	22.6	1.4	2,205	6	22.4	1.4	2,247	5	22.9	1.5
Other comb of 4 or more years Social Science	20,483	25	22.6	1.4	8,587	24	22.5	1.5	11,433	27	22.8	1.4
US Hist, World Hist, & Am Gov (Min. Core)	14,016	17	21.0	-0.2	6,457	18	20.9	-0.1	7,223	17	21.1	-0.3
Other comb of 3 or 3.5 years of Social Science	22,388	27	22.1	0.9	9,182	26	22.0	1.0	12,699	29	22.2	0.8
Less than 3 years of Social Science	12,148	15	21.2	-	5,558	15	21.0	-	6,200	14	21.4	-
No Soc Sci course/grade information reported	7,973	10	21.9	-	3,875	11	21.5	-	3,266	8	22.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	23,340	29	23.0	3.4	11,404	32	23.7	3.7	11,495	27	22.2	2.9
Bio, Chem, Phys	6,866	8	24.3	4.7	3,515	10	24.9	4.9	3,180	7	23.7	4.4
Gen Sci ² , Bio, Chem (Min. Core)	25,931	32	20.7	1.1	9,246	26	21.1	1.1	16,042	37	20.5	1.2
Other comb of 3 years of Natural Science	2,180	3	20.4	0.8	1,219	3	21.1	1.1	905	2	19.6	0.3
Less than 3 years of Natural Science	15,120	19	19.6	-	6,542	18	20.0	-	8,098	19	19.3	-
No Nat Sci course/grade information reported	8,127	10	21.5	-	3,938	11	21.8	-	3,348	8	21.0	-

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	17,715	22	22.3	81	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	49,855	61	20.4	68	668,226	55	20.4	67
Less than 4 years of English	6,641	8	19.9	65	115,551	10	19.4	62
No English course/grade information reported	7,353	9	20.9	72	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	4,625	6	25.3	79	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,813	7	22.5	59	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	5,582	7	20.8	42	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	12,735	16	21.0	43	153,394	13	20.3	37
Other comb of 4 or more years of Math	16,897	21	24.7	74	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	14,867	18	18.3	17	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	3,642	4	21.3	45	54,965	5	20.6	40
Less than 3 years of Math	9,434	12	17.9	17	131,567	11	17.9	18
No Math course/grade information reported	7,969	10	21.3	45	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	4,556	6	22.6	61	31,335	3	22.7	60
Other comb of 4 or more years Social Science	20,483	25	22.6	62	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	14,016	17	21.0	50	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	22,388	27	22.1	58	325,879	27	21.3	52
Less than 3 years of Social Science	12,148	15	21.2	51	179,270	15	20.5	46
No Soc Sci course/grade information reported	7,973	10	21.9	57	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	23,340	29	23.0	43	320,821	27	22.3	38
Bio, Chem, Phys	6,866	8	24.3	55	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	25,931	32	20.7	22	339,689	28	20.2	19
Other comb of 3 years of Natural Science	2,180	3	20.4	22	32,330	3	20.5	24
Less than 3 years of Natural Science	15,120	19	19.6	15	234,307	19	19.1	14
No Nat Sci course/grade information reported	8,127	10	21.5	30	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	689	1	19.3	163	4	17.5	507	1	19.9
Architecture & Environmental Design	1,628	2	21.4	67	2	18.2	1,489	2	21.7
Business & Management	6,740	8	20.8	287	7	17.6	6,228	9	21.0
Business & Office	427	1	19.7	64	2	16.9	342	1	20.4
Marketing & Distribution	721	1	20.7	26	1	18.3	671	1	20.9
Communications & Comm. Technologies	2,379	3	21.5	90	2	17.6	2,191	3	21.7
Community & Personal Services	1,746	2	18.9	216	6	17.3	1,424	2	19.3
Computer & Information Sciences	1,700	2	22.2	147	4	19.4	1,479	2	22.6
Cross-Disciplinary Studies	78	0	23.7	2	0	17.0	73	0	24.0
Education	4,085	5	21.2	72	2	17.1	3,854	6	21.4
Teacher Education	2,259	3	20.7	21	1	16.3	2,144	3	20.8
Engineering	2,964	4	23.6	101	3	18.2	2,775	4	23.9
Engineering-Related Technologies	1,761	2	22.7	98	3	18.8	1,601	2	22.9
Foreign Languages	362	0	24.5	11	0	19.6	334	0	24.7
Health Sciences & Allied Health Fields	13,104	16	20.7	991	25	17.8	11,682	17	21.0
Human, Family & Consumer Science	655	1	19.2	79	2	17.2	536	1	19.6
Letters	382	0	25.0	5	0	19.2	370	1	25.1
Mathematics	323	0	25.1	6	0	24.2	311	0	25.1
Philosophy, Religion & Theology	367	0	22.6	9	0	17.2	343	1	22.8
Sciences (Biological & Physical)	3,214	4	24.3	26	1	17.2	3,085	5	24.4
Social Sciences	4,607	6	22.2	55	1	17.6	4,423	7	22.3
Trade & Industrial	482	1	19.1	204	5	18.1	258	0	19.9
Visual & Performing Arts	4,265	5	21.4	220	6	17.5	3,823	6	21.7
Undecided	7,920	10	21.5	427	11	17.8	6,972	10	21.8
No Response	18,706	23	21.7	503	13	17.8	9,956	15	21.9

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/ 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	575	17.7	66	14.7	1	15.0	451	18.2	12	16.8	5	16.2	40	17.6
2-yr College Degree	3,315	17.8	321	14.7	11	17.5	2,621	18.3	69	16.8	19	16.4	274	17.5
Bachelors Degree	32,142	20.5	2,590	16.4	95	20.0	25,946	21.0	515	19.0	273	20.1	2,723	20.2
Graduate Study	15,059	23.2	1,145	18.2	29	21.3	12,101	23.7	216	22.1	214	23.9	1,354	23.1
Prof. Level Degree	19,670	22.7	2,533	18.2	72	21.7	14,044	23.5	389	21.2	548	24.9	2,084	22.8
Other	1,906	18.8	274	15.7	9	17.4	1,367	19.5	33	17.5	26	19.3	197	18.8
No Response	8,897	21.8	737	16.7	16	17.8	5,776	22.2	126	20.2	176	24.4	2,066	22.5

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	23,225	9,073	14,152	1	5	22	33	26	12	1
BOWLING GREEN STATE UNIVERSITY	Ohio	11,855	3,646	8,209	1	7	29	36	20	7	0
OHIO UNIVERSITY	Ohio	11,809	3,295	8,514	0	4	23	37	26	9	0
KENT STATE UNIVERSITY	Ohio	11,294	3,182	8,112	1	9	32	35	18	5	0
UNIVERSITY OF CINCINNATI	Ohio	10,203	3,239	6,964	1	8	26	33	21	9	1
MIAMI UNIVERSITY	Ohio	9,582	2,726	6,856	0	2	12	30	35	19	1
UNIVERSITY OF AKRON	Ohio	8,421	2,591	5,830	2	11	33	32	16	5	0
UNIVERSITY OF TOLEDO	Ohio	8,181	2,127	6,054	1	8	28	35	20	7	0
WRIGHT STATE UNIVERSITY	Ohio	5,861	1,677	4,184	2	10	31	34	17	6	0
UNIVERSITY OF DAYTON	Ohio	4,810	900	3,910	1	4	17	33	30	14	1
YOUNGSTOWN STATE UNIVERSITY	Ohio	3,114	1,198	1,916	2	13	36	30	15	4	0
OHIO NORTHERN UNIVERSITY	Ohio	2,870	712	2,158	1	3	16	33	31	15	1
CLEVELAND STATE UNIVERSITY	Ohio	2,860	753	2,107	4	17	37	28	12	3	0
XAVIER UNIVERSITY-OH	Ohio	2,796	432	2,364	1	6	19	31	28	14	1
CASE WESTERN RESERVE UNIV	Ohio	2,538	748	1,790	1	4	12	19	29	29	6
CAPITAL UNIVERSITY	Ohio	2,397	579	1,818	1	7	25	36	22	8	0
BALDWIN-WALLACE COLLEGE	Ohio	2,089	570	1,519	1	7	22	35	25	9	1
ASHLAND UNIVERSITY	Ohio	2,086	660	1,426	1	6	29	37	21	7	0
OTTERBEIN COLLEGE	Ohio	1,996	380	1,616	1	5	23	37	26	8	1
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	1,919	571	1,348	3	15	38	31	10	2	0
UNIVERSITY OF FINDLAY THE	Ohio	1,716	383	1,333	0	5	27	38	22	7	0
OWENS COMMUNITY COLLEGE	Ohio	1,696	477	1,219	3	14	42	32	8	1	0
MOUNT UNION COLLEGE	Ohio	1,674	366	1,308	1	6	29	37	21	5	0
UNIVERSITY OF KENTUCKY	Kentucky	1,447	325	1,122	1	4	18	37	29	11	1
SHAWNEE STATE UNIVERSITY	Ohio	1,441	539	902	2	13	41	30	11	1	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	1,418	338	1,080	2	9	35	35	15	3	0
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	1,323	581	742	1	6	29	32	21	10	0
JOHN CARROLL UNIVERSITY	Ohio	1,318	285	1,033	1	3	18	32	32	14	1
WITTENBERG UNIVERSITY	Ohio	1,210	228	982	0	3	20	32	31	13	1
SINCLAIR COMMUNITY COLLEGE	Ohio	1,209	345	864	2	14	37	34	11	2	0
All Other Institutions		93,179	24,037	69,142	2	9	27	29	20	12	2
Total		237,537	66,963	170,574	1	8	26	32	22	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	State	National
All Students	42,928	430,404	22.0	22.4	7.5	7.7	21.5	22.0
African Am./Black	3,707	38,583	16.5	17.5	6.7	6.8	16.7	17.6
Am. Indian/Alaskan Native	113	2,803	20.4	19.8	7.3	7.1	20.1	19.6
Caucasian Am./White	32,648	269,428	22.6	23.4	7.6	7.8	22.0	22.8
Hispanic	755	33,207	19.9	18.9	7.2	7.4	19.8	19.1
Asian Am./Pacific Islander	812	21,275	23.7	23.0	7.9	8.0	23.1	22.8
Other/No Response	4,893	65,108	22.3	22.8	7.6	7.9	21.8	22.5
Males	18,452	170,904	21.7	22.1	7.3	7.4	21.1	21.5
Females	22,994	240,056	22.2	22.6	7.7	7.9	21.9	22.3
Missing	1,482	19,444	21.7	22.1	7.5	7.8	21.3	21.9

