

ACT High School Profile Report

The Graduating Class of 2006
Missouri



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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

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. 42,885 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. 53% 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 11% of the cohort took less than three years of math courses. Of these students, 14% were college ready. 15% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 14% of these students were college ready. In comparison, 55% 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 24% of the cohort took less than three years of natural science courses. 16% 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 2.4 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 45% 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.

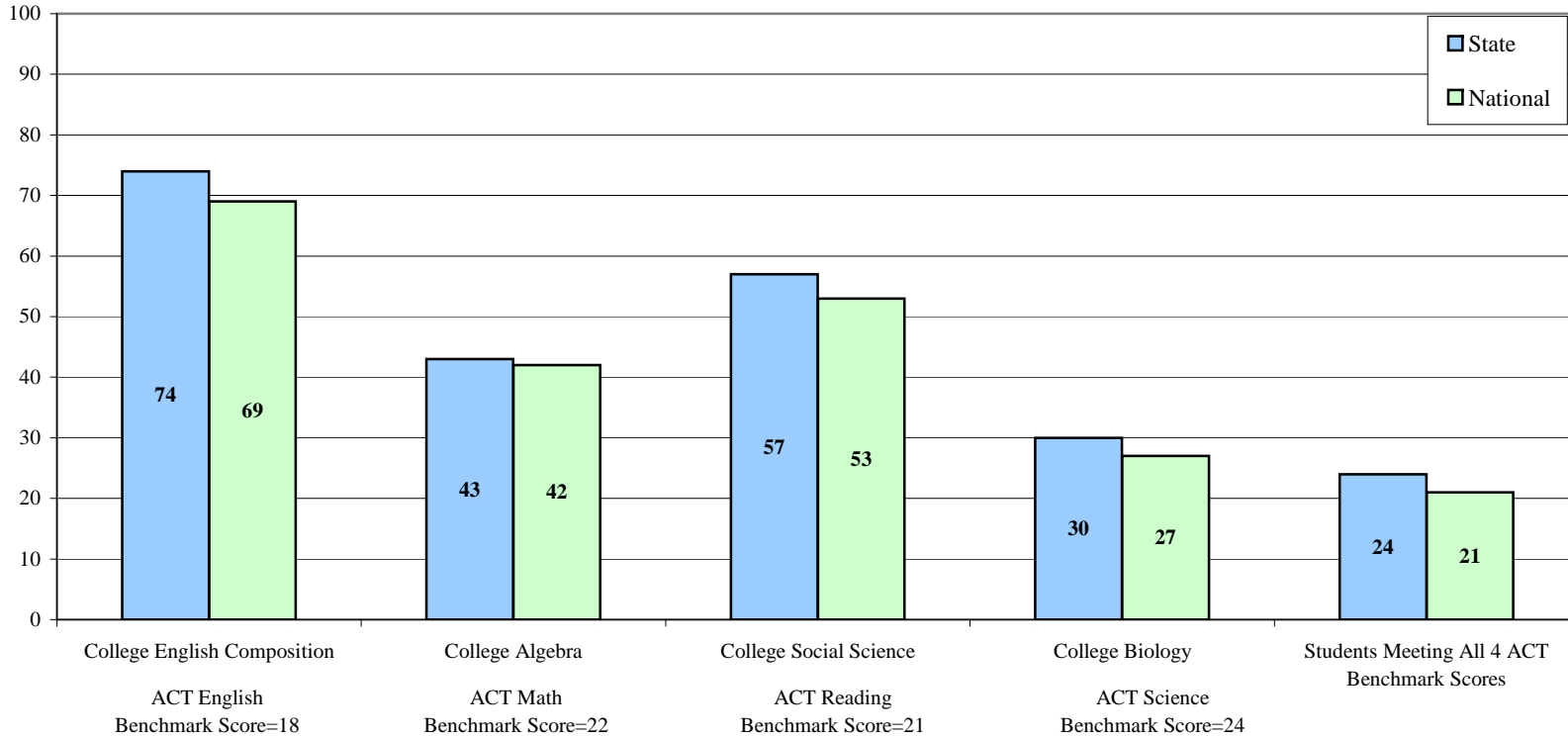
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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	41,316	1,116,082	73	67	42	39	58	53	30	26	23	20
2003	42,840	1,175,059	72	67	40	40	56	52	29	26	23	20
2004	42,862	1,171,460	74	68	42	40	56	52	30	26	23	21
2005	42,705	1,186,251	74	68	42	41	56	51	30	26	23	21
2006	42,885	1,206,455	74	69	43	42	57	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	41,316	1,116,082	21.1	20.2	20.9	20.6	21.9	21.1	21.5	20.8	21.5	20.8
2003	42,840	1,175,059	21.2	20.3	20.7	20.6	21.9	21.2	21.4	20.8	21.4	20.8
2004	42,862	1,171,460	21.4	20.4	20.9	20.7	22.0	21.3	21.4	20.9	21.5	20.9
2005	42,705	1,186,251	21.4	20.4	20.9	20.7	21.9	21.3	21.5	20.9	21.6	20.9
2006	42,885	1,206,455	21.5	20.6	21.0	20.8	22.0	21.4	21.5	20.9	21.6	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	24,046	15,475	58	37	22.5	19.0	22.2	18.8	23.1	20.1	22.5	19.9	22.7	19.6
2003	24,708	15,944	58	37	22.5	19.2	21.9	18.8	22.9	20.2	22.4	19.9	22.5	19.6
2004	24,739	15,764	58	37	22.6	19.3	22.1	19.0	23.0	20.3	22.4	19.9	22.6	19.7
2005	24,396	15,499	57	36	22.7	19.3	22.1	19.0	23.0	20.2	22.4	20.0	22.7	19.8
2006	22,852	15,689	53	37	22.9	19.7	22.2	19.4	23.2	20.6	22.5	20.2	22.8	20.1

¹Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	41,316	100	21.5	42,840	100	21.4	42,862	100	21.5	42,705	100	21.6	42,885	100	21.6
African American/Black	3,533	9	17.5	3,777	9	17.5	3,850	9	17.5	4,196	10	17.4	4,201	10	17.4
American Indian/Alaskan Native	212	1	20.6	215	1	20.6	235	1	21.2	224	1	20.1	237	1	20.2
Caucasian American/White	33,556	81	21.9	34,695	81	21.9	34,531	81	22.0	33,910	79	22.1	32,900	77	22.2
Hispanic	626	2	20.1	704	2	20.1	719	2	20.2	770	2	20.6	801	2	20.8
Asian American/Pacific Islander	752	2	22.3	747	2	22.0	780	2	22.7	744	2	23.2	818	2	23.0
Other/No Response	2,637	6	21.3	2,702	6	21.6	2,747	6	21.4	2,861	7	21.6	3,928	9	21.1

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	78	100	83	100	225	100	102	100	12	100	36
35	397	100	169	100	487	99	240	100	77	100	35
34	735	99	346	99	744	98	279	99	174	100	34
33	539	97	279	99	844	97	319	99	313	99	33
32	741	96	285	98	842	95	389	98	477	99	32
31	810	94	601	97	1,145	93	522	97	811	98	31
30	1,195	92	682	96	1,147	90	246	96	1,249	96	30
29	1,225	90	1,021	94	1,383	87	664	95	909	93	29
28	1,560	87	1,181	92	1,493	84	1,071	94	1,396	91	28
27	1,331	83	1,764	89	1,734	81	1,152	91	1,640	87	27
26	1,972	80	2,269	85	2,219	77	2,616	88	2,062	84	26
25	2,345	75	2,355	80	2,332	71	2,021	82	2,485	79	25
24	2,252	70	2,603	74	2,117	66	3,358	78	2,833	73	24
23	2,322	65	2,315	68	2,812	61	3,655	70	2,974	66	23
22	2,896	59	2,403	63	2,582	54	3,551	61	3,254	59	22
21	3,147	52	2,528	57	2,546	48	3,970	53	3,572	52	21
20	3,387	45	2,588	51	2,551	43	4,202	44	3,293	43	20
19	2,665	37	2,840	45	2,916	37	4,067	34	3,317	36	19
18	2,131	31	3,268	39	2,140	30	3,123	24	3,097	28	18
17	1,980	26	4,137	31	2,345	25	2,242	17	2,613	21	17
16	2,036	21	4,001	21	1,690	19	1,457	12	2,167	15	16
15	2,033	17	2,569	12	1,576	15	1,125	8	1,576	10	15
14	1,596	12	1,710	6	2,064	12	799	6	1,195	6	14
13	841	8	552	2	1,196	7	619	4	766	3	13
12	765	6	240	1	920	4	441	3	421	1	12
11	617	4	65	1	569	2	342	2	152	1	11
10	437	3	21	1	130	1	179	1	39	1	10
9	394	2	5	1	62	1	84	1	9	1	9
8	311	1	1	1	38	1	28	1	2	1	8
7	115	1	1	1	15	1	11	1	0	1	7
6	25	1	2	1	7	1	6	1	0	1	6
5	4	1	0	1	8	1	2	1	0	1	5
4	3	1	1	1	3	1	1	1	0	1	4
3	0	1	0	1	2	1	1	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Average	21.5		21.0		22.0		21.5		21.6		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	1,512	100	391	100	661	100	1,374	100	1,155	100	327	100	332	100	18
17	1,959	96	1,177	99	2,743	98	2,212	97	1,267	97	573	99	440	99	17
16	2,036	92	2,303	96	2,292	92	2,840	92	2,968	94	784	98	1,068	98	16
15	2,227	87	3,396	91	2,433	87	3,122	85	2,354	87	1,490	96	1,849	96	15
14	2,949	82	3,627	83	3,156	81	3,250	78	2,771	82	3,490	93	3,489	91	14
13	2,797	75	3,776	75	3,893	74	3,647	70	4,261	75	2,851	84	4,050	83	13
12	3,578	69	4,316	66	4,426	65	4,440	62	4,913	66	6,066	78	4,940	74	12
11	4,286	60	5,914	56	4,564	54	3,566	51	3,444	54	4,269	64	3,978	62	11
10	4,884	50	4,856	42	3,980	44	3,813	43	4,008	46	7,141	54	7,916	53	10
9	3,953	39	4,485	31	5,093	34	3,845	34	3,612	37	7,140	37	4,809	35	9
8	3,811	30	3,393	20	4,016	22	2,788	25	5,045	28	3,506	20	3,849	23	8
7	3,126	21	2,183	12	2,262	13	2,549	19	4,245	17	1,432	12	2,532	14	7
6	2,508	13	1,352	7	1,838	8	2,843	13	1,832	7	1,693	9	1,959	8	6
5	1,427	8	1,063	4	786	4	1,484	6	581	2	1,235	5	172	4	5
4	1,144	4	481	2	373	2	816	3	284	1	348	2	1,018	4	4
3	516	2	143	1	279	1	219	1	101	1	383	1	68	1	3
2	154	1	26	1	66	1	74	1	38	1	43	1	344	1	2
1	18	1	3	1	24	1	3	1	6	1	114	1	72	1	1
Average	10.7		11.2		11.2		11.2		11.1		10.5		10.5		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	42,885	53	22.8	20.1
	African Am./Black	4,201	49	18.3	16.7
	Am. Indian/Alaskan Native	237	51	21.8	19.2
	Caucasian Am./White	32,900	56	23.3	20.5
	Hispanic	801	51	21.9	19.6
	Asian Am./Pacific Islander	818	60	24.2	21.2
	Other/No Response	3,928	39	22.6	20.2
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	1,749	4	877	2	2,300	5	940	2
	28 to 32	5,531	13	3,770	9	6,010	14	2,892	7
	24 to 27	7,900	18	8,991	21	8,402	20	9,147	21
	20 to 23	11,752	27	9,834	23	10,491	24	15,378	36
	16 to 19	8,812	21	14,246	33	9,091	21	10,889	25
	13 to 15	4,470	10	4,831	11	4,836	11	2,543	6
	01 to 12	2,671	6	336	1	1,755	4	1,096	3
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	18,897	44	21.1	21.8	21.9	22.1	21.9
	Females	23,075	54	21.8	20.3	22.2	20.9	21.4
	Missing	913	2	20.7	20.4	21.7	21.0	21.1
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	72	49	57	36	29
	Females	76	38	58	26	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

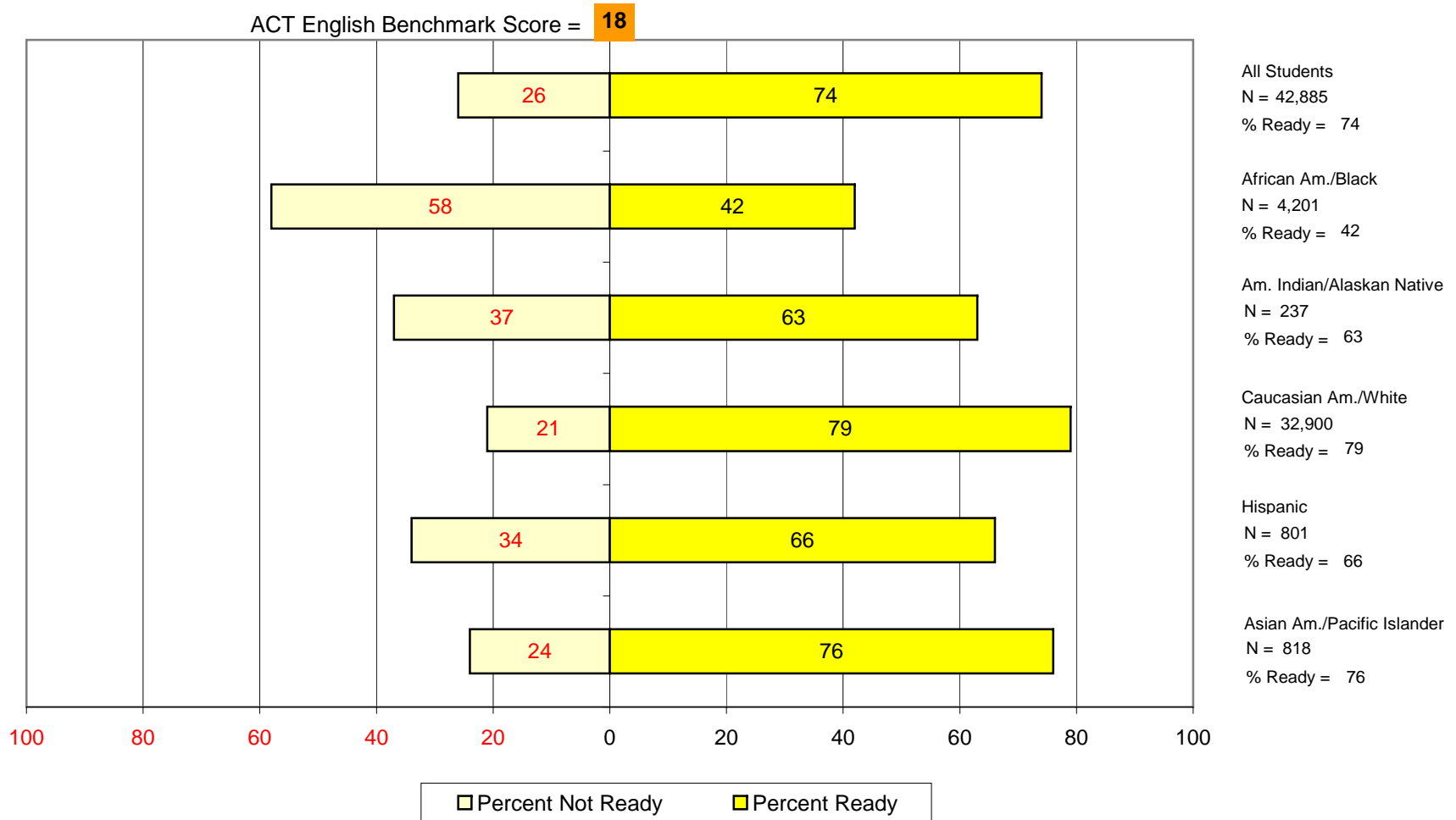


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

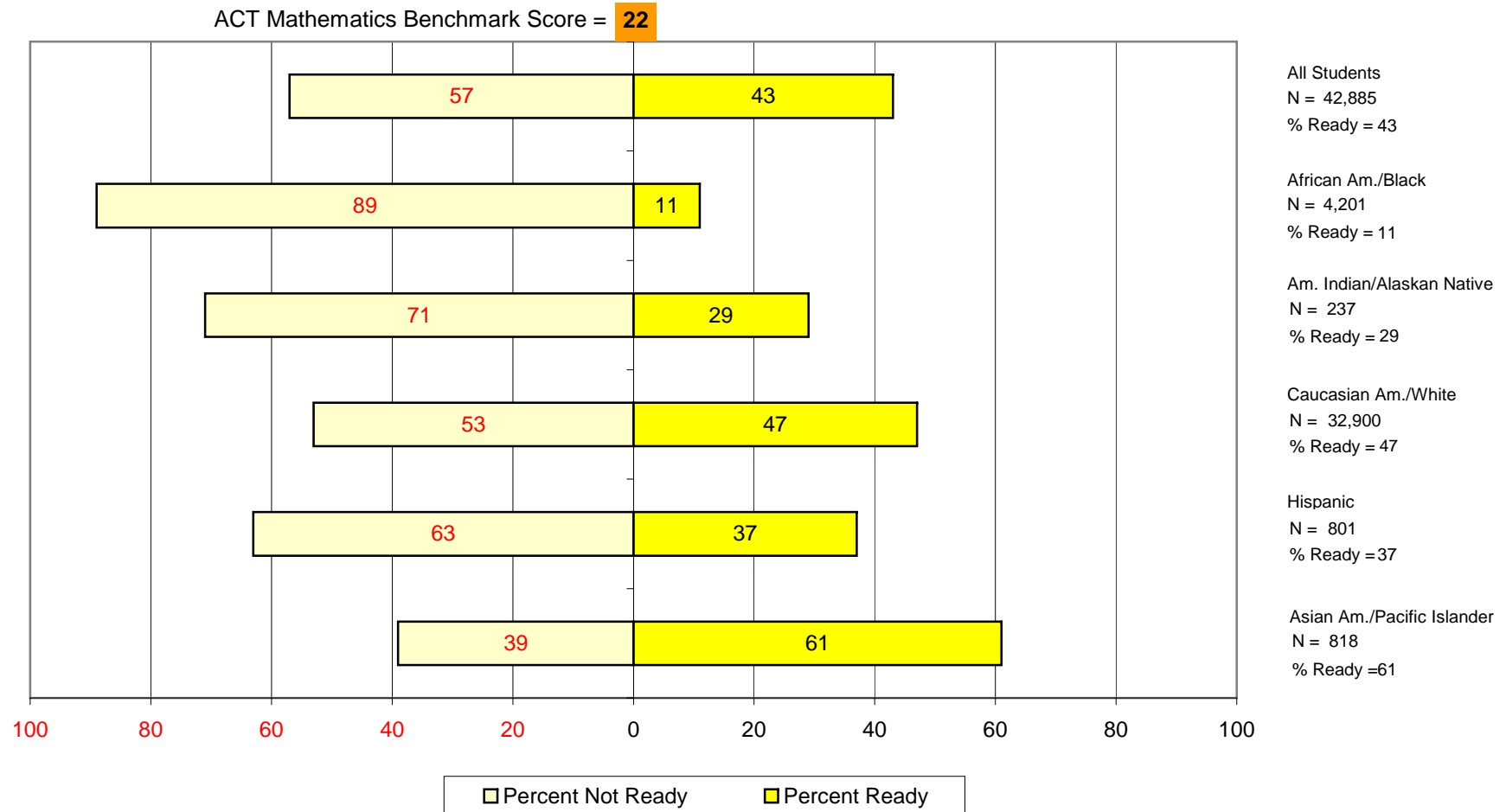


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

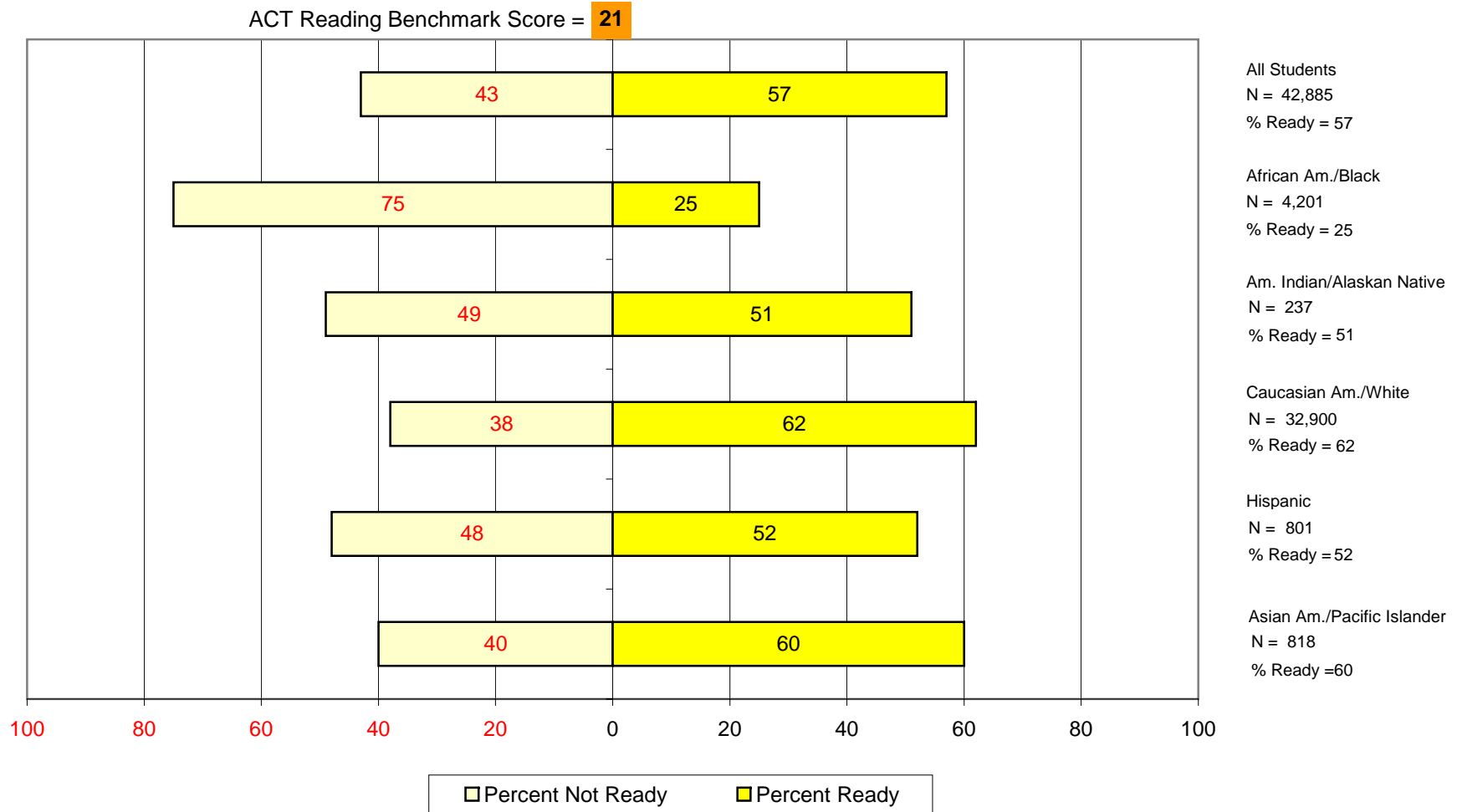


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

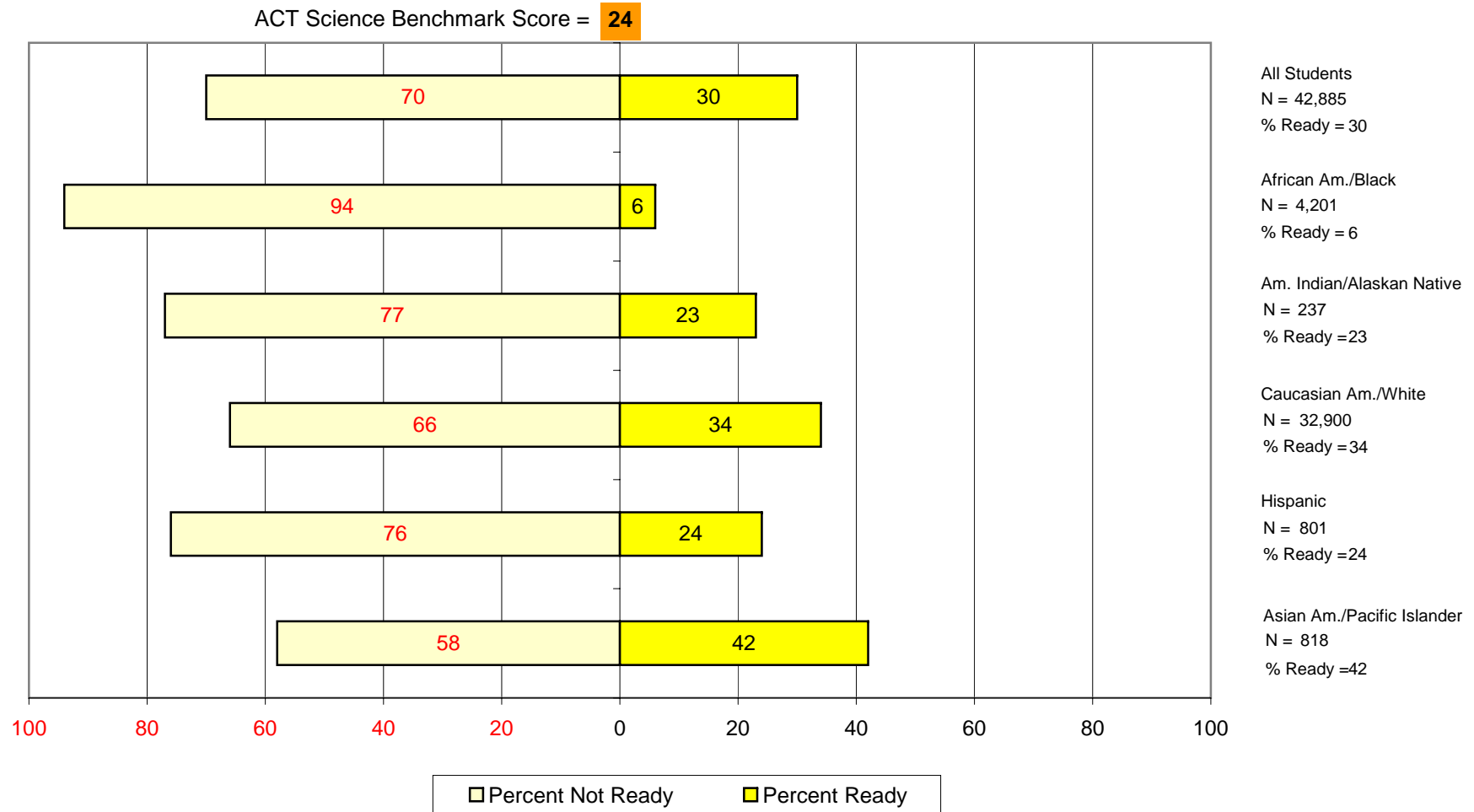


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

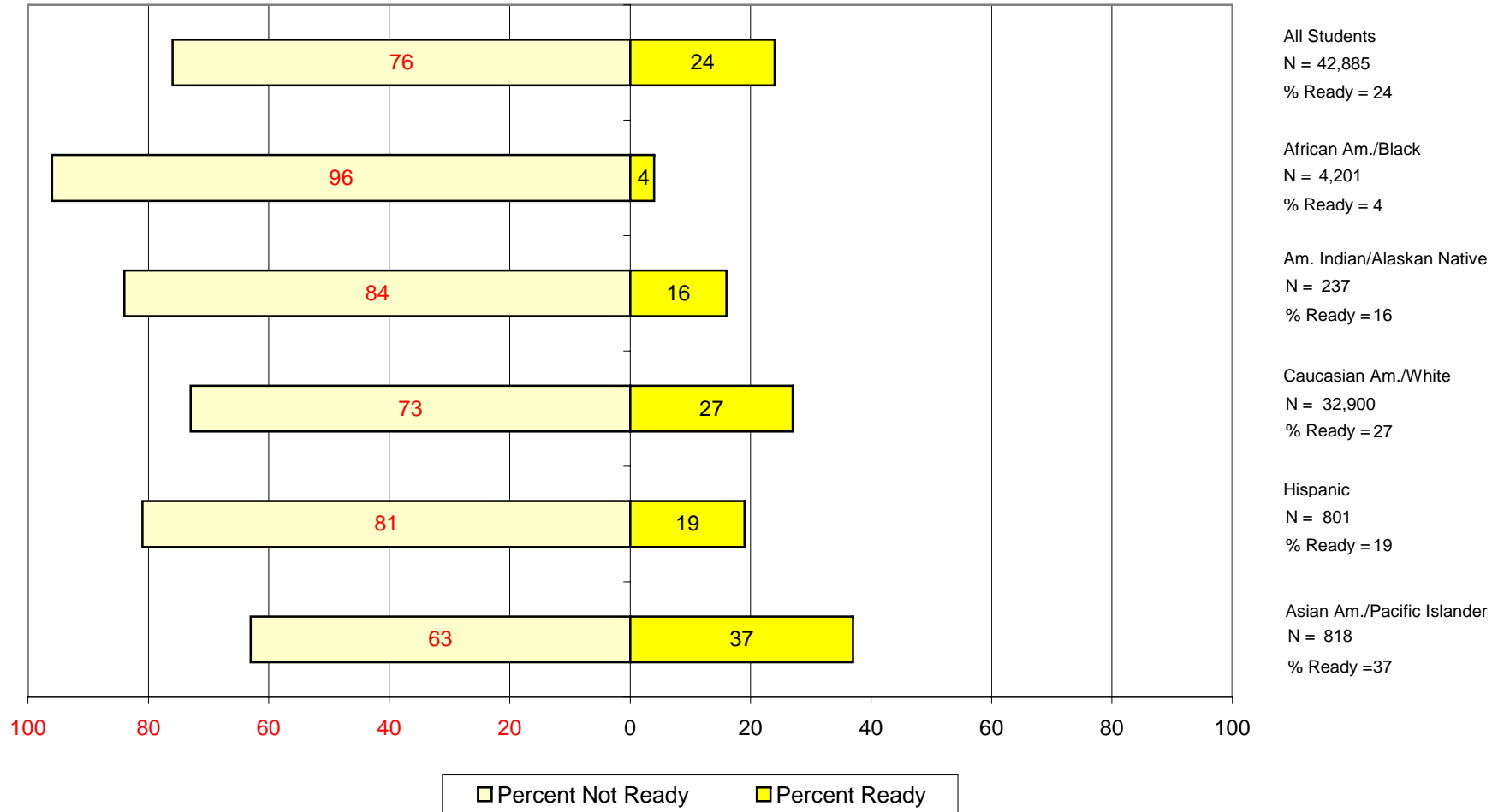


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	11,318	26	22.7	3.4	4,295	23	22.4	3.3	6,897	30	22.9	3.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,661	51	21.6	2.3	9,559	51	21.3	2.2	11,760	51	21.8	2.3
Less than 4 years of English	5,426	13	19.3	-	2,783	15	19.1	-	2,521	11	19.5	-
No English course/grade information reported	4,480	10	20.5	-	2,260	12	20.1	-	1,897	8	20.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,244	5	24.6	7.1	1,073	6	25.6	7.5	1,150	5	23.6	6.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,183	12	22.3	4.8	1,863	10	23.2	5.1	3,266	14	21.8	4.8
Alg 1, Alg 2, Geom, & Trig	3,463	8	20.4	2.9	1,502	8	21.3	3.2	1,908	8	19.7	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	5,933	14	20.3	2.8	2,145	11	21.0	2.9	3,707	16	19.9	2.9
Other comb of 4 or more years of Math	8,920	21	24.4	6.9	4,402	23	25.3	7.2	4,427	19	23.5	6.5
Alg 1, Alg 2, & Geom (Min. Core)	6,439	15	18.0	0.5	2,687	14	18.6	0.5	3,607	16	17.5	0.5
Other comb of 3 or 3.5 years of Math	1,475	3	20.6	3.1	733	4	21.2	3.1	714	3	20.0	3.0
Less than 3 years of Math	4,580	11	17.5	-	2,129	11	18.1	-	2,335	10	17.0	-
No Math course/grade information reported	4,648	11	20.3	-	2,363	13	20.8	-	1,961	8	19.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	2,075	5	23.4	2.2	1,006	5	23.1	1.9	1,035	4	23.7	2.6
Other comb of 4 or more years Social Science	15,842	37	22.7	1.5	6,307	33	22.7	1.5	9,318	40	22.8	1.7
US Hist, World Hist, & Am Gov (Min. Core)	4,369	10	21.0	-0.2	2,148	11	21.0	-0.2	2,161	9	21.1	0.0
Other comb of 3 or 3.5 years of Social Science	12,041	28	21.9	0.7	5,073	27	21.7	0.5	6,789	29	22.0	0.9
Less than 3 years of Social Science	3,846	9	21.2	-	1,955	10	21.2	-	1,791	8	21.1	-
No Soc Sci course/grade information reported	4,712	11	21.3	-	2,408	13	21.2	-	1,981	9	21.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	10,581	25	23.2	3.4	5,148	27	24.0	3.9	5,316	23	22.4	2.9
Bio, Chem, Phys	2,660	6	24.2	4.4	1,325	7	25.2	5.1	1,295	6	23.1	3.6
Gen Sci ² , Bio, Chem (Min. Core)	13,235	31	21.1	1.3	4,835	26	21.4	1.3	8,213	36	20.9	1.4
Other comb of 3 years of Natural Science	1,387	3	22.0	2.2	804	4	22.9	2.8	565	2	20.7	1.2
Less than 3 years of Natural Science	10,248	24	19.8	-	4,351	23	20.1	-	5,672	25	19.5	-
No Nat Sci course/grade information reported	4,774	11	20.7	-	2,434	13	21.2	-	2,014	9	20.0	-

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	11,318	26	22.7	82	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,661	51	21.6	75	668,226	55	20.4	67
Less than 4 years of English	5,426	13	19.3	60	115,551	10	19.4	62
No English course/grade information reported	4,480	10	20.5	66	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,244	5	24.6	73	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,183	12	22.3	58	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	3,463	8	20.4	38	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	5,933	14	20.3	36	153,394	13	20.3	37
Other comb of 4 or more years of Math	8,920	21	24.4	71	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	6,439	15	18.0	14	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	1,475	3	20.6	39	54,965	5	20.6	40
Less than 3 years of Math	4,580	11	17.5	14	131,567	11	17.9	18
No Math course/grade information reported	4,648	11	20.3	38	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	2,075	5	23.4	65	31,335	3	22.7	60
Other comb of 4 or more years Social Science	15,842	37	22.7	63	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	4,369	10	21.0	50	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	12,041	28	21.9	56	325,879	27	21.3	52
Less than 3 years of Social Science	3,846	9	21.2	50	179,270	15	20.5	46
No Soc Sci course/grade information reported	4,712	11	21.3	53	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	10,581	25	23.2	46	320,821	27	22.3	38
Bio, Chem, Phys	2,660	6	24.2	53	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	13,235	31	21.1	25	339,689	28	20.2	19
Other comb of 3 years of Natural Science	1,387	3	22.0	34	32,330	3	20.5	24
Less than 3 years of Natural Science	10,248	24	19.8	16	234,307	19	19.1	14
No Nat Sci course/grade information reported	4,774	11	20.7	28	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	693	2	19.8	90	4	17.3	578	2	20.4
Architecture & Environmental Design	877	2	21.5	65	3	17.9	771	2	21.9
Business & Management	3,519	8	20.9	172	7	17.7	3,188	9	21.2
Business & Office	234	1	20.1	41	2	18.3	177	1	20.7
Marketing & Distribution	340	1	20.4	14	1	17.4	315	1	20.5
Communications & Comm. Technologies	1,276	3	21.9	62	2	17.4	1,153	3	22.3
Community & Personal Services	1,056	2	19.2	106	4	17.6	887	3	19.4
Computer & Information Sciences	947	2	22.2	88	3	19.2	815	2	22.7
Cross-Disciplinary Studies	42	0	23.7	0	0	.	39	0	23.8
Education	1,796	4	21.2	56	2	17.3	1,663	5	21.4
Teacher Education	1,163	3	20.4	26	1	16.5	1,081	3	20.6
Engineering	1,374	3	23.4	78	3	17.0	1,248	4	24.0
Engineering-Related Technologies	816	2	22.7	72	3	17.8	711	2	23.2
Foreign Languages	179	0	24.1	5	0	18.4	160	0	24.5
Health Sciences & Allied Health Fields	6,439	15	21.1	485	19	17.9	5,696	17	21.5
Human, Family & Consumer Science	419	1	19.1	80	3	17.3	307	1	19.7
Letters	219	1	24.6	5	0	24.6	205	1	24.5
Mathematics	163	0	25.8	1	0	17.0	156	0	26.0
Philosophy, Religion & Theology	294	1	23.4	11	0	19.9	269	1	23.7
Sciences (Biological & Physical)	1,560	4	24.2	21	1	17.9	1,492	4	24.3
Social Sciences	2,383	6	22.5	30	1	17.8	2,286	7	22.7
Trade & Industrial	512	1	18.6	280	11	17.8	207	1	19.7
Visual & Performing Arts	2,439	6	21.5	176	7	17.9	2,113	6	21.9
Undecided	4,566	11	21.7	296	12	17.5	3,955	12	22.2
No Response	9,579	22	21.8	274	11	17.3	4,360	13	22.3

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	614	17.4	74	14.4	4	15.8	479	17.9	8	15.6	3	13.3	46	17.2
2-yr College Degree	1,920	17.8	263	14.5	13	17.7	1,428	18.5	37	17.0	29	16.3	150	17.5
Bachelors Degree	15,464	20.8	1,342	16.7	90	19.7	12,574	21.3	225	19.8	165	20.3	1,068	20.4
Graduate Study	7,708	23.2	649	18.6	44	21.6	6,218	23.8	149	22.0	138	23.5	510	22.7
Prof. Level Degree	10,660	22.9	1,289	18.5	59	21.7	7,868	23.6	253	21.9	339	24.9	852	22.8
Other	1,238	18.9	181	15.5	8	16.9	868	19.8	26	19.1	24	19.2	131	18.0
No Response	5,281	21.7	403	17.2	19	18.8	3,465	22.5	103	20.9	120	23.2	1,171	20.7

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
UNIV OF MISSOURI-COLUMBIA	Missouri	10,485	4,220	6,265	0	3	18	34	28	15	1
MISSOURI STATE UNIVERSITY	Missouri	8,215	2,706	5,509	0	4	24	38	25	9	0
CENTRAL MISSOURI STATE UNIVERSITY	Missouri	4,551	1,706	2,845	1	9	31	36	18	5	0
SOUTHEAST MISSOURI STATE UNIVERSITY	Missouri	3,589	1,184	2,405	1	9	32	34	18	6	0
TRUMAN STATE UNIVERSITY	Missouri	3,433	899	2,534	0	3	13	29	32	22	2
UNIV OF MISSOURI-KANSAS CITY	Missouri	3,293	859	2,434	1	6	22	32	25	12	1
SAINT LOUIS UNIVERSITY	Missouri	2,782	656	2,126	1	6	18	29	27	17	2
NORTHWEST MISSOURI ST UNIV	Missouri	2,739	881	1,858	1	8	31	36	19	6	0
UNIVERSITY OF MISSOURI-ST LOUIS	Missouri	2,696	514	2,182	1	9	28	34	21	6	1
UNIV OF MISSOURI-ROLLA	Missouri	2,077	737	1,340	0	3	13	27	30	23	3
WASHINGTON UNIVERSITY IN ST LOUIS	Missouri	1,986	436	1,550	1	4	14	20	27	27	7
LINDENWOOD UNIVERSITY	Missouri	1,778	532	1,246	1	9	34	36	17	4	0
MISSOURI WESTERN STATE UNIVERSITY	Missouri	1,627	643	984	2	15	38	30	12	3	0
DRURY UNIVERSITY	Missouri	1,530	401	1,129	0	4	22	33	26	14	1
MISSOURI SOUTHERN STATE UNIV	Missouri	1,478	488	990	1	9	33	35	16	5	0
UNIVERSITY OF KANSAS	Kansas	1,324	366	958	0	3	17	32	31	16	1
OZARKS TECHNICAL COMMUNITY COLLEGE	Missouri	1,248	473	775	1	12	40	33	12	2	0
WEBSTER UNIVERSITY	Missouri	1,205	300	905	2	8	24	32	25	8	0
SAINT LOUIS COMM COLL-MERAMEC	Missouri	1,122	384	738	3	12	38	34	12	2	0
COLLEGE OF THE OZARKS	Missouri	1,109	457	652	1	10	34	37	14	4	0
COLUMBIA COLLEGE	Missouri	1,034	309	725	1	9	34	35	17	3	0
MARYVILLE UNIV OF SAINT LOUIS	Missouri	1,007	231	776	1	7	27	37	22	6	0
LINCOLN UNIVERSITY	Missouri	992	295	697	7	28	38	20	7	1	0
SOUTHWEST BAPTIST UNIVERSITY	Missouri	956	299	657	1	6	27	35	23	8	0
WILLIAM JEWELL COLLEGE	Missouri	940	199	741	0	4	24	33	27	11	0
ST CHARLES COMMUNITY COLLEGE	Missouri	850	339	511	1	8	39	36	13	3	0
LONGVIEW COMMUNITY COLLEGE	Missouri	780	233	547	3	12	36	34	12	3	0
ROCKHURST UNIVERSITY	Missouri	745	138	607	1	5	19	34	27	13	1
SAINT LOUIS COMM COLL-FOREST PARK	Missouri	678	225	453	14	34	31	16	4	1	0
WESTMINSTER COLLEGE	Missouri	662	169	493	1	5	20	37	26	12	0
All Other Institutions		43,941	11,949	31,992	2	10	27	28	20	12	2
Total		110,852	33,228	77,624	1	8	26	31	22	11	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	6,984	430,404	24.9	22.4	7.9	7.7	24.0	22.0
African Am./Black	600	38,583	19.6	17.5	7.1	6.8	19.4	17.6
Am. Indian/Alaskan Native	27	2,803	22.1	19.8	7.6	7.1	21.7	19.6
Caucasian Am./White	5,138	269,428	25.5	23.4	8.0	7.8	24.5	22.8
Hispanic	176	33,207	23.6	18.9	7.7	7.4	22.8	19.1
Asian Am./Pacific Islander	254	21,275	26.6	23.0	8.2	8.0	25.6	22.8
Other/No Response	789	65,108	25.1	22.8	7.9	7.9	24.2	22.5
Males	2,976	170,904	24.8	22.1	7.6	7.4	23.7	21.5
Females	3,812	240,056	25.1	22.6	8.1	7.9	24.3	22.3
Missing	196	19,444	24.3	22.1	8.0	7.8	23.6	21.9

