

ACT High School Profile Report

The Graduating Class of 2006
Kentucky



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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

18% 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. 29,786 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. 59% 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 6% of the cohort took less than three years of math courses. Of these students, 16% were college ready. 25% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 9% of these students were college ready. In comparison, 45% 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 11% of the cohort took less than three years of natural science courses. 13% of these students were college ready. In comparison, 25% 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 55% 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.

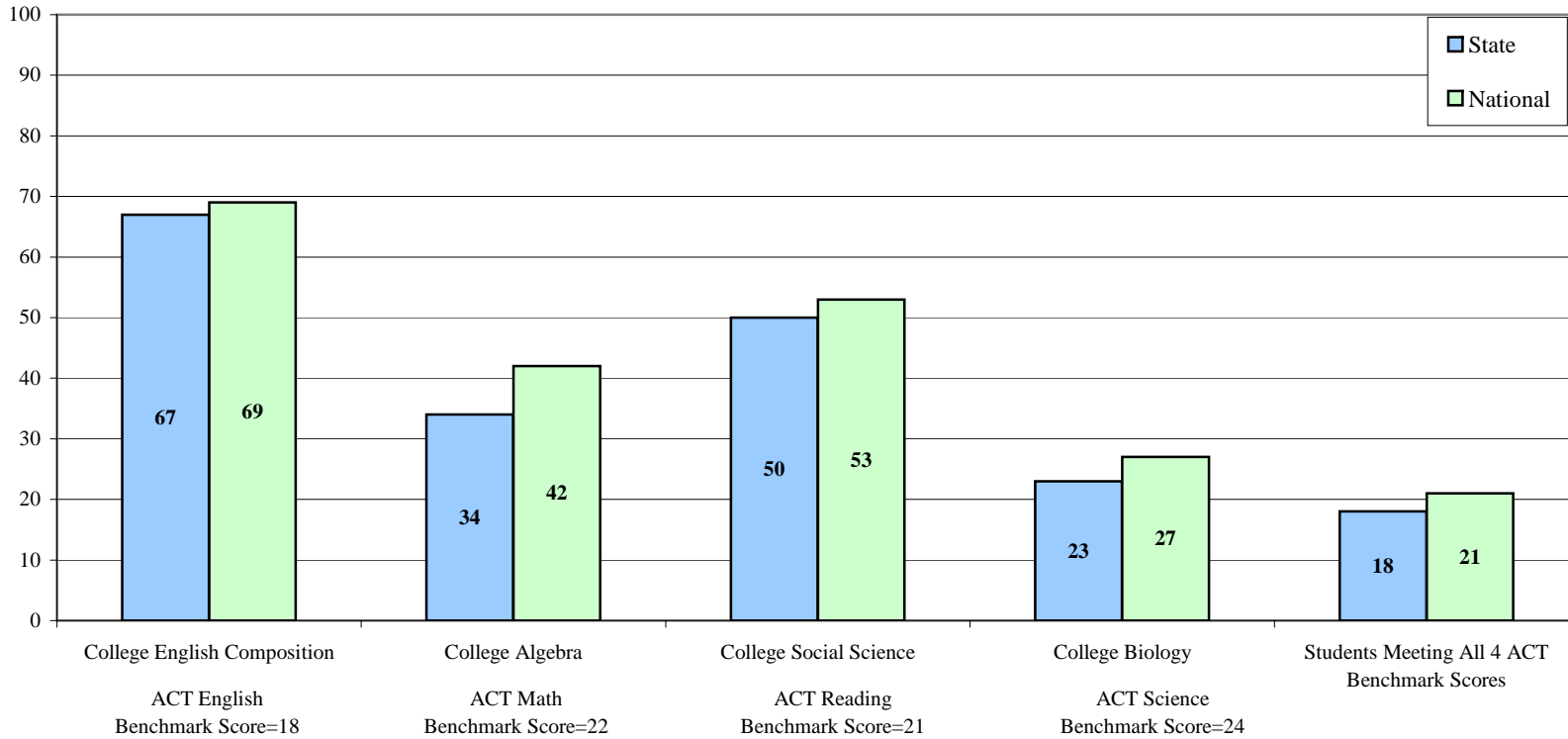
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 404-231-1952.

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	29,532	1,116,082	61	67	30	39	49	53	20	26	15	20
2003	29,877	1,175,059	63	67	31	40	48	52	21	26	16	20
2004	29,581	1,171,460	64	68	32	40	48	52	22	26	16	21
2005	29,943	1,186,251	65	68	32	41	48	51	22	26	16	21
2006	29,786	1,206,455	67	69	34	42	50	53	23	27	18	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	29,532	1,116,082	19.4	20.2	19.4	20.6	20.6	21.1	20.1	20.8	20.0	20.8
2003	29,877	1,175,059	19.7	20.3	19.5	20.6	20.8	21.2	20.3	20.8	20.2	20.8
2004	29,581	1,171,460	19.8	20.4	19.7	20.7	20.9	21.3	20.4	20.9	20.3	20.9
2005	29,943	1,186,251	20.0	20.4	19.7	20.7	20.8	21.3	20.4	20.9	20.4	20.9
2006	29,786	1,206,455	20.2	20.6	19.9	20.8	21.1	21.4	20.5	20.9	20.6	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									
					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	Core or More	Less than Core	Core or More	Less than Core
2002	17,274	11,381	58	39	20.5	17.9	20.1	18.3	21.4	19.2	20.8	19.2	20.8	18.8
2003	17,557	11,271	59	38	20.7	18.2	20.2	18.4	21.6	19.5	21.0	19.3	21.0	19.0
2004	17,738	10,732	60	36	20.8	18.3	20.4	18.6	21.6	19.6	20.9	19.4	21.1	19.1
2005	18,114	10,358	60	35	20.8	18.4	20.4	18.6	21.6	19.5	20.9	19.4	21.1	19.1
2006	17,705	10,207	59	34	21.1	18.7	20.6	18.8	21.8	19.8	21.1	19.6	21.3	19.3

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	29,532	100	20.0	29,877	100	20.2	29,581	100	20.3	29,943	100	20.4	29,786	100	20.6
African American/Black	2,064	7	16.6	2,024	7	16.8	2,173	7	16.9	2,176	7	16.8	2,248	8	17.1
American Indian/Alaskan Native	96	0	18.4	100	0	19.5	97	0	18.4	110	0	19.7	83	0	19.4
Caucasian American/White	25,291	86	20.3	25,663	86	20.5	25,033	85	20.6	25,327	85	20.6	24,611	83	20.9
Hispanic	221	1	19.1	312	1	18.9	307	1	18.9	324	1	19.2	398	1	19.5
Asian American/Pacific Islander	358	1	21.5	339	1	21.8	360	1	21.7	402	1	22.3	381	1	22.3
Other/No Response	1,502	5	20.1	1,439	5	20.1	1,611	5	20.5	1,604	5	20.4	2,065	7	20.7

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	43	100	41	100	127	100	31	100	6	100	36
35	165	100	74	100	235	100	102	100	21	100	35
34	365	99	167	100	369	99	103	100	90	100	34
33	260	98	129	99	457	98	119	99	127	100	33
32	306	97	148	99	463	96	183	99	233	99	32
31	385	96	219	98	549	94	242	98	320	98	31
30	614	95	345	97	637	93	67	97	476	97	30
29	650	93	488	96	763	90	340	97	558	96	29
28	772	91	581	95	889	88	501	96	826	94	28
27	715	88	942	93	1,068	85	596	94	871	91	27
26	1,054	86	1,284	89	1,368	81	1,498	92	1,129	88	26
25	1,504	82	1,337	85	1,453	77	1,128	87	1,364	84	25
24	1,422	77	1,531	81	1,376	72	2,079	84	1,629	80	24
23	1,420	72	1,419	76	1,805	67	2,237	77	1,819	74	23
22	1,921	68	1,434	71	1,760	61	2,421	69	2,190	68	22
21	2,177	61	1,603	66	1,687	55	2,673	61	2,368	61	21
20	2,364	54	1,719	61	1,908	50	3,066	52	2,469	53	20
19	2,030	46	1,945	55	2,179	43	3,139	42	2,482	45	19
18	1,747	39	2,331	48	1,656	36	2,437	31	2,518	36	18
17	1,532	33	3,471	40	1,961	30	1,927	23	2,201	28	17
16	1,761	28	3,615	29	1,463	24	1,471	16	2,015	20	16
15	1,728	22	2,560	17	1,316	19	1,022	12	1,591	14	15
14	1,472	16	1,611	8	1,653	14	780	8	1,177	8	14
13	836	11	528	3	1,061	9	622	5	771	4	13
12	727	9	201	1	886	5	391	3	405	2	12
11	574	6	43	1	440	2	316	2	104	1	11
10	451	4	19	1	136	1	168	1	21	1	10
9	366	3	1	1	60	1	83	1	4	1	9
8	292	1	0	1	36	1	28	1	1	1	8
7	113	1	0	1	9	1	11	1	0	1	7
6	16	1	0	1	9	1	4	1	0	1	6
5	4	1	0	1	5	1	1	1	0	1	5
4	0	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	1	1	0	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Average	20.2		19.9		21.1		20.5		20.6		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	751	100	166	100	329	100	652	100	594	100	148	100	121	100	18
17	1,026	97	486	99	1,417	99	1,253	98	662	98	263	100	244	100	17
16	862	94	1,211	98	1,204	94	1,586	94	1,551	96	396	99	458	99	16
15	1,234	91	1,750	94	1,440	90	1,959	88	1,238	91	683	97	847	97	15
14	1,727	87	2,146	88	1,714	85	1,982	82	1,606	86	1,853	95	1,886	94	14
13	1,660	81	2,201	81	2,506	80	2,322	75	2,524	81	1,550	89	2,298	88	13
12	2,303	76	2,751	73	2,987	71	3,251	67	2,990	73	3,642	84	2,983	80	12
11	2,897	68	4,048	64	2,984	61	2,519	56	2,215	63	2,698	71	2,550	70	11
10	3,307	58	3,553	50	2,925	51	2,631	48	2,893	55	5,112	62	5,601	62	10
9	3,111	47	3,737	39	4,050	41	2,925	39	2,543	45	5,768	45	3,975	43	9
8	2,883	37	2,860	26	3,411	28	2,187	29	4,254	37	3,026	26	3,231	30	8
7	2,644	27	1,938	16	1,909	16	1,889	22	4,059	23	1,070	16	2,259	19	7
6	2,265	18	1,294	10	1,633	10	2,319	16	1,734	9	1,603	12	1,763	11	6
5	1,399	10	1,054	6	610	4	1,283	8	549	3	1,146	7	167	5	5
4	1,017	6	447	2	377	2	767	3	244	1	334	3	935	5	4
3	531	2	108	1	199	1	209	1	102	1	370	2	83	2	3
2	161	1	36	1	64	1	50	1	24	1	38	1	320	1	2
1	8	1	0	1	27	1	2	1	4	1	86	1	65	1	1
Average	10.0		10.5		10.7		10.7		10.4		9.9		9.9		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	29,786	59	21.3	19.3
	African Am./Black	2,248	52	17.9	16.1
	Am. Indian/Alaskan Native	83	63	20.5	17.6
	Caucasian Am./White	24,611	61	21.5	19.7
	Hispanic	398	54	20.2	18.5
	Asian Am./Pacific Islander	381	66	23.2	20.1
	Other/No Response	2,065	48	21.4	19.4
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	833	3	411	1	1,188	4	355	1
	28 to 32	2,727	9	1,781	6	3,301	11	1,333	4
	24 to 27	4,695	16	5,094	17	5,265	18	5,301	18
	20 to 23	7,882	26	6,175	21	7,160	24	10,397	35
	16 to 19	7,070	24	11,362	38	7,259	24	8,974	30
	13 to 15	4,036	14	4,699	16	4,030	14	2,424	8
	01 to 12	2,543	9	264	1	1,583	5	1,002	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	13,022	44	19.9	20.7	20.9	21.0	20.8
	Females	16,195	54	20.5	19.4	21.2	20.1	20.4
	Missing	569	2	20.0	19.7	21.3	20.4	20.4
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	64	40	49	28	21
	Females	69	30	51	20	15
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

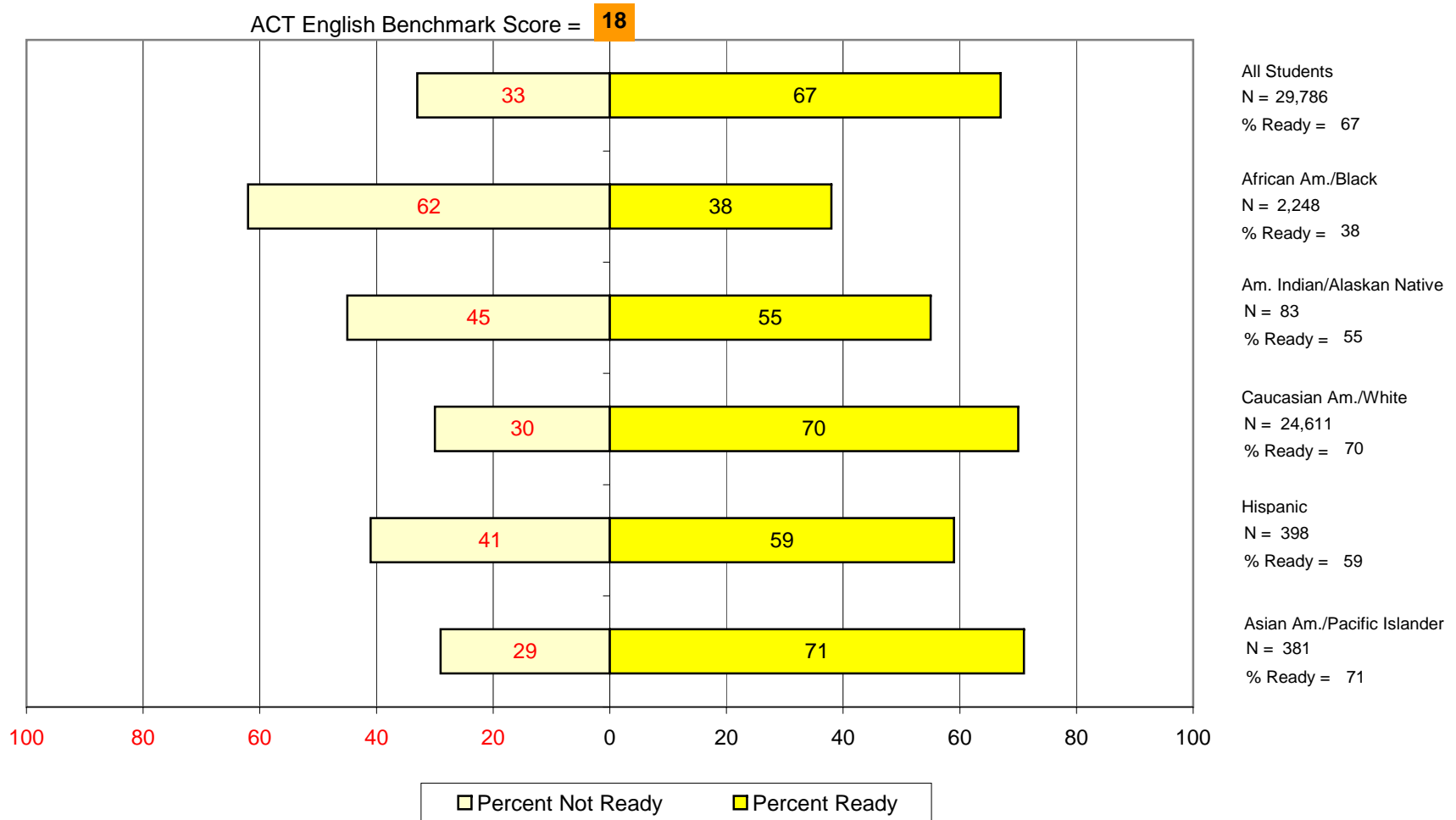


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

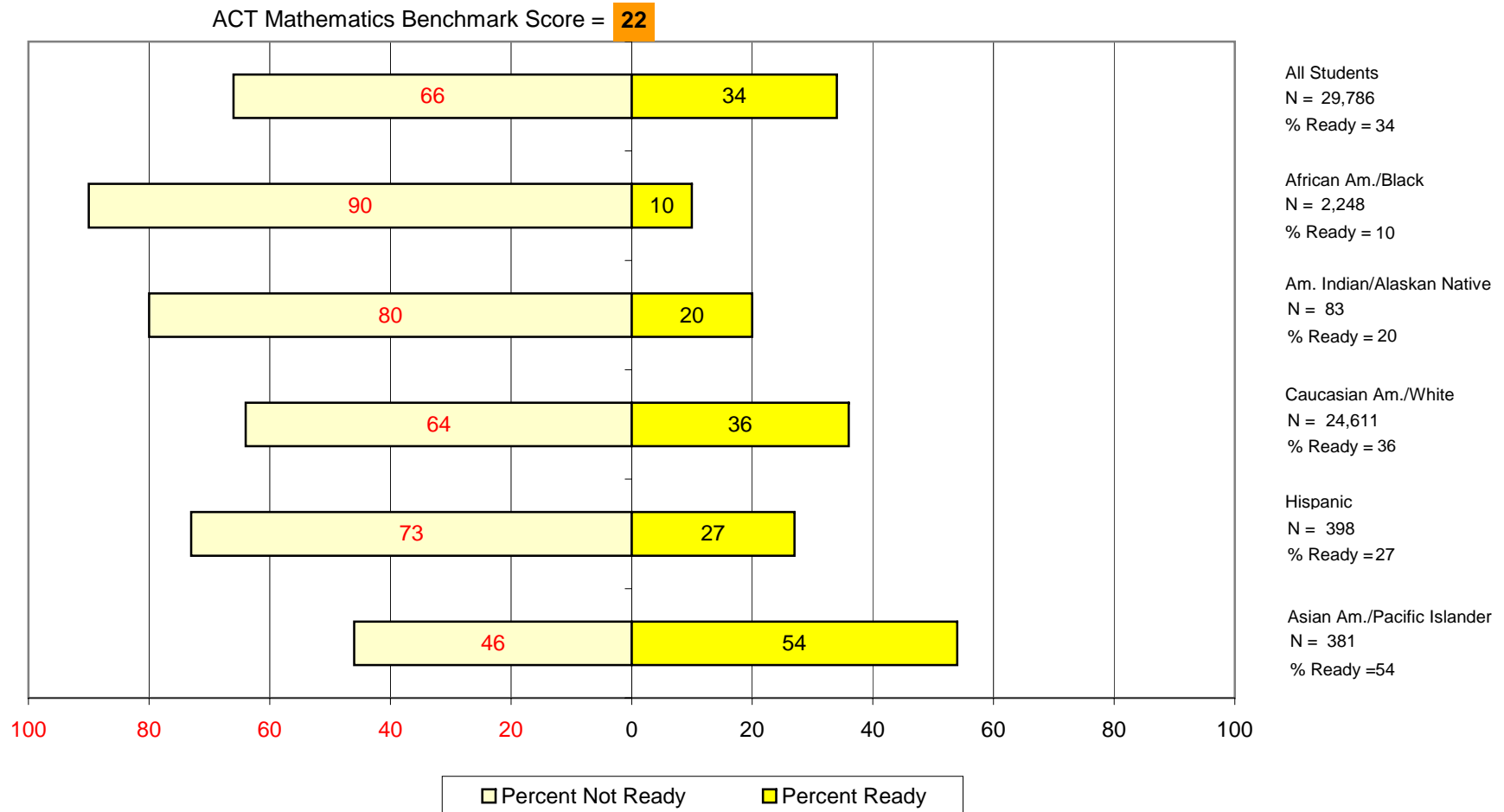


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

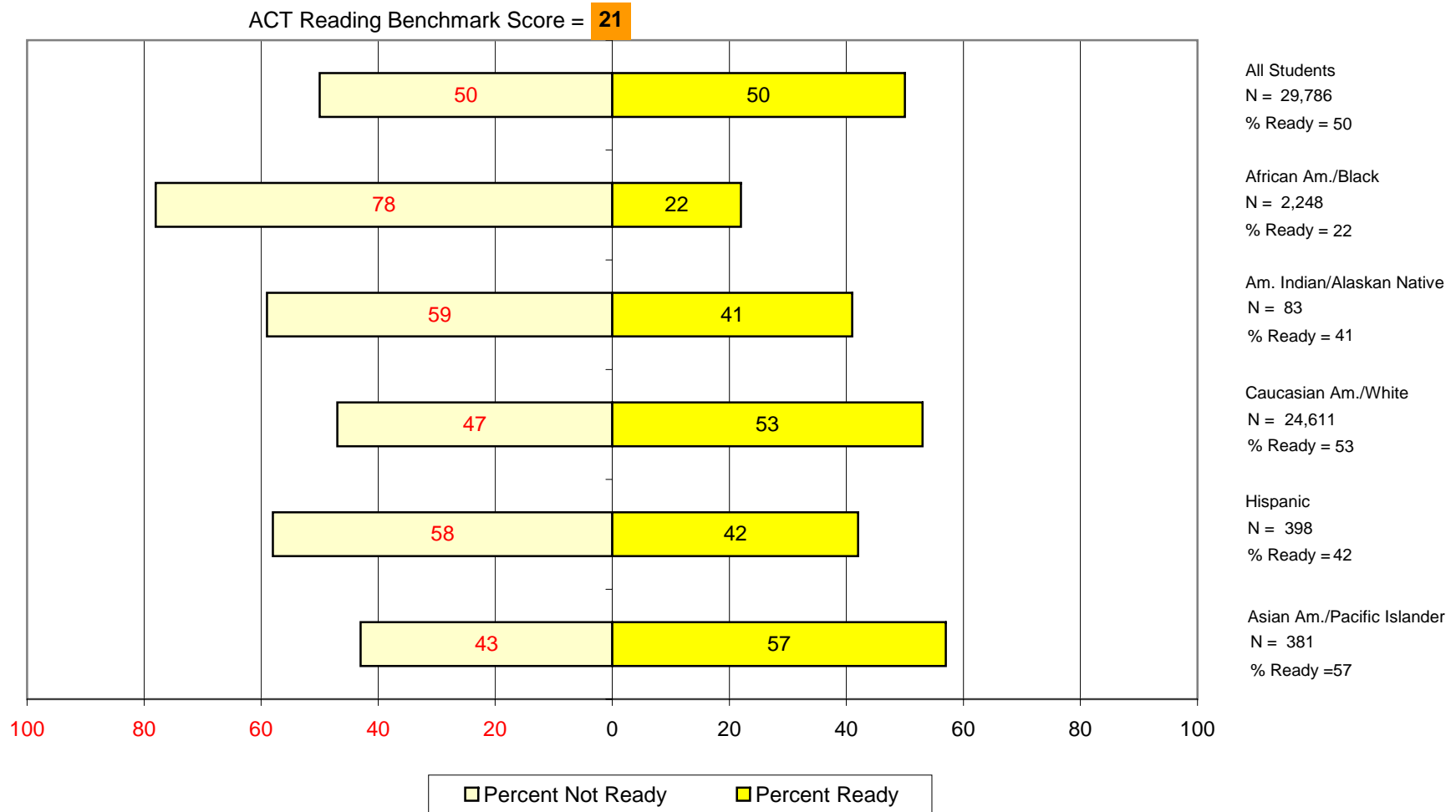


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

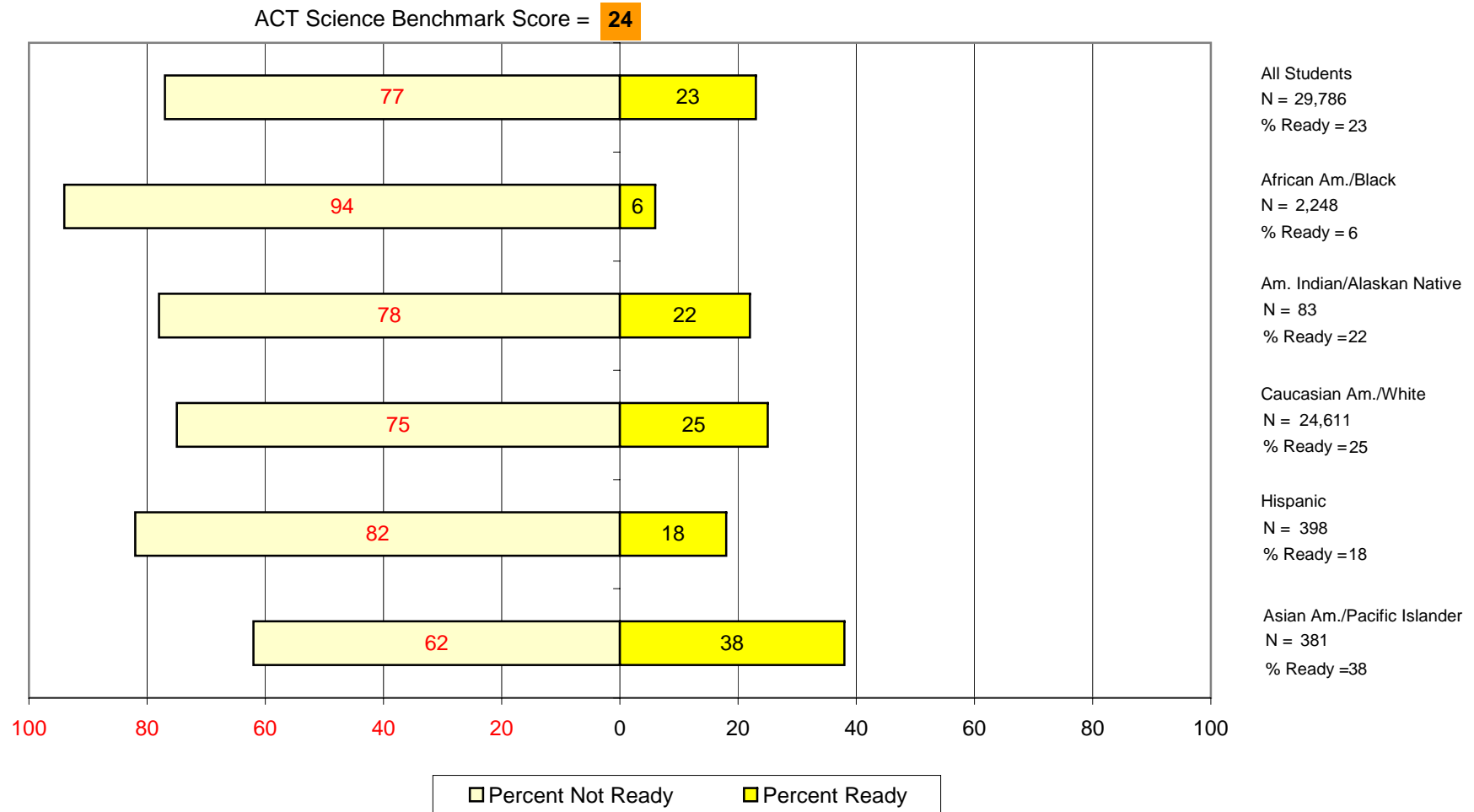


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

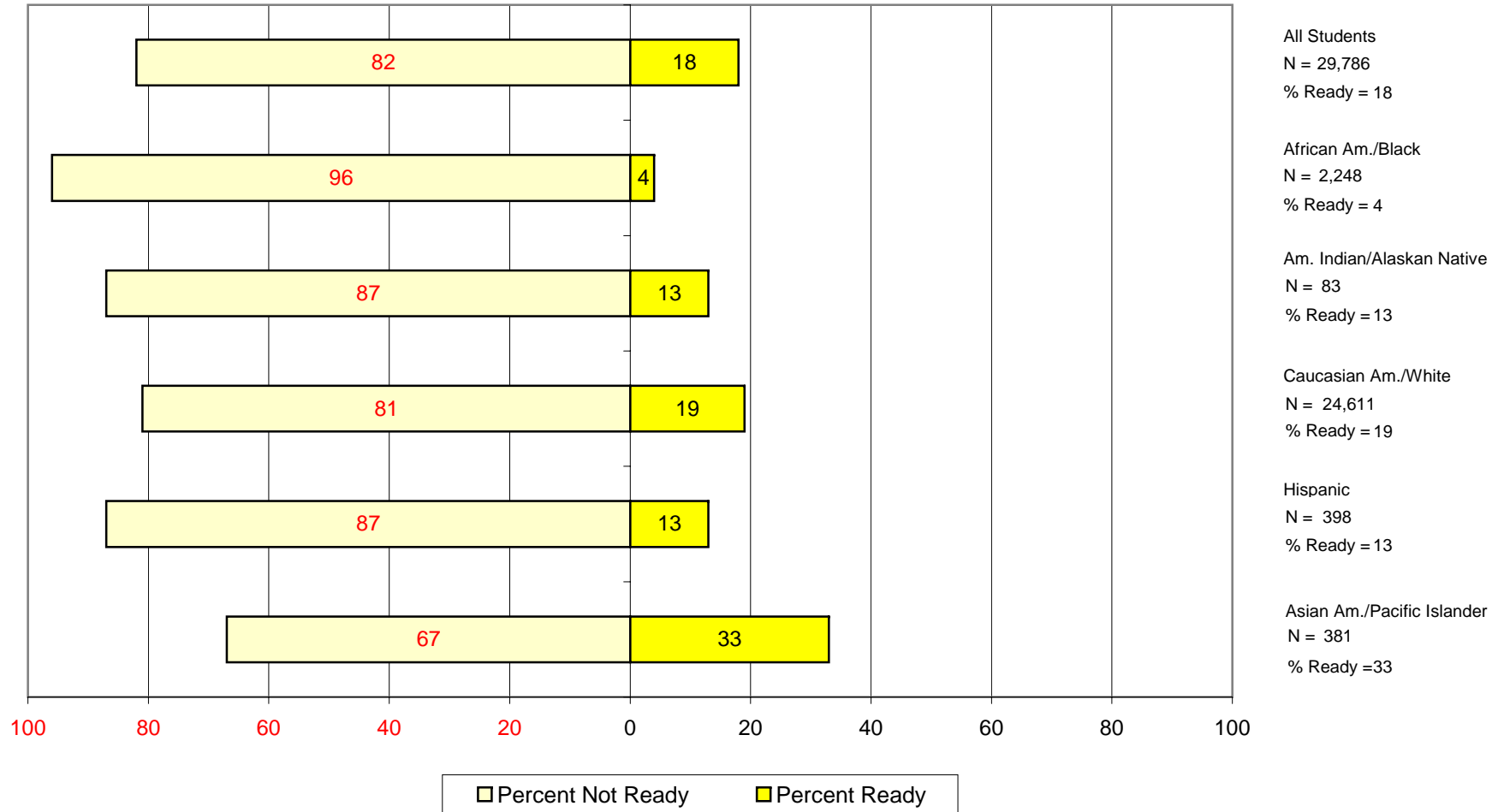


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	4,442	15	21.8	2.5	1,745	13	21.4	2.4	2,657	16	22.0	2.3
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,589	72	20.0	0.7	9,282	71	19.7	0.7	12,010	74	20.2	0.5
Less than 4 years of English	1,827	6	19.3	-	956	7	19.0	-	809	5	19.7	-
No English course/grade information reported	1,928	6	20.5	-	1,039	8	20.0	-	719	4	21.2	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	783	3	24.2	6.6	393	3	25.1	7.0	383	2	23.2	6.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,235	4	21.3	3.7	457	4	22.4	4.3	764	5	20.6	3.6
Alg 1, Alg 2, Geom, & Trig	977	3	19.5	1.9	459	4	20.4	2.3	496	3	18.7	1.7
Alg 1, Alg 2, Geom, & Other Adv Math	6,983	23	19.5	1.9	2,560	20	20.2	2.1	4,343	27	19.0	2.0
Other comb of 4 or more years of Math	6,925	23	23.3	5.7	3,164	24	24.1	6.0	3,711	23	22.6	5.6
Alg 1, Alg 2, & Geom (Min. Core)	7,356	25	17.1	-0.5	3,103	24	17.6	-0.5	4,118	25	16.7	-0.3
Other comb of 3 or 3.5 years of Math	1,632	5	20.0	2.4	823	6	20.7	2.6	783	5	19.3	2.3
Less than 3 years of Math	1,827	6	17.6	-	950	7	18.1	-	821	5	17.0	-
No Math course/grade information reported	2,068	7	20.3	-	1,113	9	20.7	-	776	5	19.7	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	725	2	22.5	2.7	367	3	22.2	2.4	351	2	22.8	3.0
Other comb of 4 or more years Social Science	8,322	28	22.0	2.2	3,376	26	21.7	1.9	4,858	30	22.1	2.3
US Hist, World Hist, & Am Gov (Min. Core)	2,830	10	20.8	1.0	1,325	10	20.6	0.8	1,459	9	21.0	1.2
Other comb of 3 or 3.5 years of Social Science	8,403	28	21.3	1.5	3,386	26	21.2	1.4	4,900	30	21.3	1.5
Less than 3 years of Social Science	7,368	25	19.8	-	3,414	26	19.8	-	3,821	24	19.8	-
No Soc Sci course/grade information reported	2,138	7	21.4	-	1,154	9	21.1	-	806	5	21.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	8,276	28	21.7	2.8	3,939	30	22.5	3.3	4,255	26	21.0	2.4
Bio, Chem, Phys	1,864	6	22.4	3.5	879	7	23.1	3.9	952	6	21.7	3.1
Gen Sci ² , Bio, Chem (Min. Core)	13,276	45	20.0	1.1	5,088	39	20.3	1.1	8,020	50	19.8	1.2
Other comb of 3 years of Natural Science	778	3	19.8	0.9	364	3	20.4	1.2	401	2	19.3	0.7
Less than 3 years of Natural Science	3,414	11	18.9	-	1,583	12	19.2	-	1,743	11	18.6	-
No Nat Sci course/grade information reported	2,178	7	20.6	-	1,169	9	20.9	-	824	5	20.3	-

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.

²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	4,442	15	21.8	77	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,589	72	20.0	65	668,226	55	20.4	67
Less than 4 years of English	1,827	6	19.3	61	115,551	10	19.4	62
No English course/grade information reported	1,928	6	20.5	69	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	783	3	24.2	68	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,235	4	21.3	47	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	977	3	19.5	29	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	6,983	23	19.5	29	153,394	13	20.3	37
Other comb of 4 or more years of Math	6,925	23	23.3	63	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	7,356	25	17.1	9	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	1,632	5	20.0	35	54,965	5	20.6	40
Less than 3 years of Math	1,827	6	17.6	16	131,567	11	17.9	18
No Math course/grade information reported	2,068	7	20.3	38	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	725	2	22.5	59	31,335	3	22.7	60
Other comb of 4 or more years Social Science	8,322	28	22.0	57	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	2,830	10	20.8	48	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	8,403	28	21.3	51	325,879	27	21.3	52
Less than 3 years of Social Science	7,368	25	19.8	41	179,270	15	20.5	46
No Soc Sci course/grade information reported	2,138	7	21.4	52	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	8,276	28	21.7	33	320,821	27	22.3	38
Bio, Chem, Phys	1,864	6	22.4	37	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	13,276	45	20.0	19	339,689	28	20.2	19
Other comb of 3 years of Natural Science	778	3	19.8	19	32,330	3	20.5	24
Less than 3 years of Natural Science	3,414	11	18.9	13	234,307	19	19.1	14
No Nat Sci course/grade information reported	2,178	7	20.6	25	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	588	2	18.8	74	3	16.2	483	2	19.3
Architecture & Environmental Design	487	2	20.7	40	2	16.5	426	2	21.3
Business & Management	2,078	7	20.0	137	6	17.1	1,875	8	20.3
Business & Office	169	1	18.9	37	2	17.0	122	1	19.6
Marketing & Distribution	153	1	20.2	9	0	18.9	141	1	20.3
Communications & Comm. Technologies	690	2	21.1	31	1	17.4	622	3	21.4
Community & Personal Services	802	3	18.3	137	6	16.5	616	3	18.8
Computer & Information Sciences	625	2	21.3	77	3	18.6	521	2	21.7
Cross-Disciplinary Studies	19	0	23.2	2	0	14.5	14	0	24.1
Education	1,196	4	20.1	36	2	15.7	1,113	5	20.3
Teacher Education	863	3	19.8	14	1	16.8	804	3	20.0
Engineering	1,027	3	22.2	91	4	17.3	891	4	22.9
Engineering-Related Technologies	577	2	21.8	78	3	17.1	478	2	22.6
Foreign Languages	122	0	23.5	5	0	14.8	113	0	24.0
Health Sciences & Allied Health Fields	6,063	20	20.0	633	28	16.9	5,205	22	20.5
Human, Family & Consumer Science	301	1	18.3	59	3	16.5	222	1	18.8
Letters	161	1	23.3	5	0	19.2	141	1	23.5
Mathematics	141	0	23.8	1	0	17.0	136	1	24.1
Philosophy, Religion & Theology	200	1	22.5	7	0	23.6	189	1	22.5
Sciences (Biological & Physical)	1,092	4	22.9	11	0	17.8	1,044	4	23.0
Social Sciences	1,924	6	21.7	33	1	17.1	1,838	8	21.9
Trade & Industrial	394	1	17.6	232	10	17.1	146	1	18.5
Visual & Performing Arts	1,402	5	20.8	76	3	17.6	1,253	5	21.1
Undecided	3,466	12	20.5	274	12	16.5	2,978	12	21.0
No Response	5,246	18	20.8	189	8	16.5	2,648	11	21.2

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	561	16.9	29	15.1	2	18.5	504	17.0	2	14.0	4	16.3	20	16.5
2-yr College Degree	1,727	16.9	138	14.8	5	18.6	1,457	17.2	15	15.9	10	16.9	102	16.4
Bachelors Degree	10,687	19.6	763	16.4	24	18.1	9,081	19.9	126	18.5	87	19.5	606	19.4
Graduate Study	5,220	22.3	336	18.3	13	19.5	4,430	22.6	68	20.7	76	22.1	297	22.2
Prof. Level Degree	8,112	22.0	679	18.3	30	21.1	6,541	22.4	134	20.7	156	24.5	572	22.2
Other	840	18.0	111	15.1	2	15.0	638	18.6	13	17.2	11	18.8	65	17.9
No Response	2,639	20.8	192	16.4	7	18.3	1,960	21.1	40	18.7	37	23.2	403	21.5

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
UNIVERSITY OF KENTUCKY	Kentucky	12,593	4,455	8,138	1	7	26	34	22	10	1
UNIVERSITY OF LOUISVILLE	Kentucky	9,272	2,777	6,495	1	9	28	32	20	9	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	7,998	2,276	5,722	2	11	33	32	16	5	0
EASTERN KENTUCKY UNIVERSITY	Kentucky	7,121	2,196	4,925	2	12	37	32	13	4	0
MURRAY STATE UNIVERSITY	Kentucky	3,619	1,147	2,472	1	10	31	34	17	6	0
MOREHEAD STATE UNIVERSITY	Kentucky	3,263	930	2,333	2	16	37	30	13	3	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	3,034	1,146	1,888	1	11	34	33	16	5	0
GEORGETOWN COLLEGE	Kentucky	1,886	393	1,493	1	7	25	33	24	9	0
BELLARMINE UNIVERSITY	Kentucky	1,611	360	1,251	1	7	24	32	24	12	0
TRANSYLVANIA UNIVERSITY	Kentucky	1,551	263	1,288	0	3	11	31	32	22	1
CAMPBELLSVILLE UNIVERSITY	Kentucky	1,374	352	1,022	2	13	32	32	16	5	0
CENTRE COLLEGE	Kentucky	1,193	265	928	0	1	10	22	36	29	2
BLUEGRASS COMMUNITY & TECHNICAL COLLEGE	Kentucky	1,186	316	870	3	19	44	25	7	1	0
BEREA COLLEGE	Kentucky	1,144	321	823	2	12	35	32	15	5	0
KENTUCKY STATE UNIVERSITY	Kentucky	960	206	754	6	26	40	22	5	1	0
UNIVERSITY OF THE CUMBERLANDS	Kentucky	901	205	696	2	13	37	28	15	5	0
ELIZABETHTOWN COMM AND TECH COLLEGE	Kentucky	800	348	452	3	18	42	28	9	0	0
JEFFERSON COMM COLLEGE-DOWNTOWN CAMPUS	Kentucky	779	181	598	6	25	41	22	5	0	0
SOMERSET COMMUNITY COLLEGE	Kentucky	764	317	447	2	21	43	26	7	1	0
LINDSEY WILSON COLLEGE	Kentucky	740	180	560	1	17	38	29	11	3	0
UNIVERSITY OF CINCINNATI	Ohio	729	160	569	2	7	21	34	23	12	1
WEST KENTUCKY COMM & TECHNICAL COLLEGE	Kentucky	676	271	405	2	16	42	29	9	2	0
KENTUCKY WESLEYAN COLLEGE	Kentucky	661	173	488	2	13	35	30	15	4	0
ALICE LLOYD COLLEGE	Kentucky	636	249	387	3	17	40	29	9	1	0
THOMAS MORE COLLEGE	Kentucky	566	97	469	1	10	32	32	18	7	0
PIKEVILLE COLLEGE	Kentucky	530	139	391	3	19	41	21	13	3	0
JEFFERSON COMM COLLEGE-SOUTHWEST CAMPUS	Kentucky	483	125	358	4	20	47	23	6	0	0
SULLIVAN UNIVERSITY	Kentucky	480	99	381	2	18	45	24	8	3	0
MADISONVILLE COMMUNITY COLLEGE	Kentucky	458	201	257	2	17	43	29	7	2	0
XAVIER UNIVERSITY-OH	Ohio	418	80	338	0	4	12	26	31	26	1
All Other Institutions		24,347	5,864	18,483	2	13	28	26	17	12	2
Total		91,773	26,092	65,681	2	11	30	30	17	8	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	3,917	430,404	23.8	22.4	7.5	7.7	22.8	22.0
African Am./Black	254	38,583	18.2	17.5	6.6	6.8	17.9	17.6
Am. Indian/Alaskan Native	14	2,803	20.6	19.8	7.1	7.1	20.2	19.6
Caucasian Am./White	3,071	269,428	24.2	23.4	7.5	7.8	23.1	22.8
Hispanic	70	33,207	23.0	18.9	7.5	7.4	22.2	19.1
Asian Am./Pacific Islander	99	21,275	24.4	23.0	7.8	8.0	23.6	22.8
Other/No Response	409	65,108	24.3	22.8	7.5	7.9	23.2	22.5
Males	1,696	170,904	23.5	22.1	7.3	7.4	22.4	21.5
Females	2,121	240,056	23.9	22.6	7.6	7.9	23.1	22.3
Missing	100	19,444	23.9	22.1	7.2	7.8	22.7	21.9

