

ACT High School Profile Report

The Graduating Class of 2007
Kentucky



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This report provides information about the performance of your 2007 graduating seniors who took the ACT as sophomores, juniors, or seniors.

This report focuses on :

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, the graduating class data for a school, district, state, and the nation represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, state, or the nation.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

18% of 2007 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT. 30,929 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. 56% 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 7% of the cohort took less than three years of math courses. Of these students, 21% were college ready. 23% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 10% 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 12% of the cohort took less than three years of natural science courses. 13% of these students were college ready. In comparison, 26% 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 54% 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.

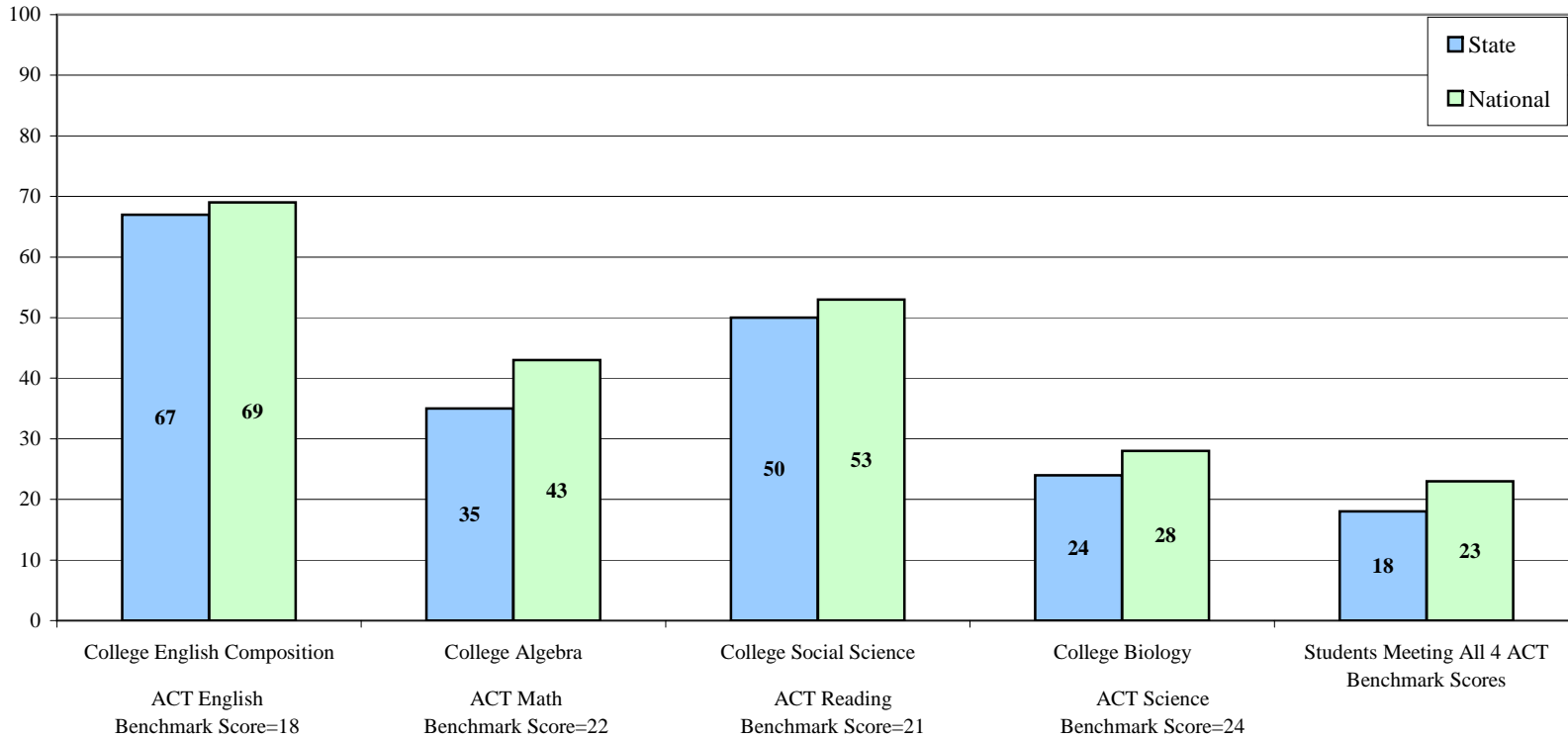
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 course.

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Grad Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2003	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
2007	30,929	1,300,599	67	69	35	43	50	53	24	28	18	23

Table 1.2. Five Year Trends—Average ACT Scores

Grad Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2003	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
2007	30,929	1,300,599	20.3	20.7	20.0	21.0	21.2	21.5	20.6	21.0	20.7	21.2

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2

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
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
2007	17,449	10,463	56	34	21.1	18.8	20.7	18.9	21.9	20.0	21.2	19.6	21.4	19.4

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

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	29,877	100	20.2	29,581	100	20.3	29,943	100	20.4	29,786	100	20.6	30,929	100	20.7
African American/Black	2,024	7	16.8	2,173	7	16.9	2,176	7	16.8	2,248	8	17.1	2,358	8	17.0
American Indian/Alaska Native	100	0	19.5	97	0	18.4	110	0	19.7	83	0	19.4	92	0	19.5
Caucasian American/White	25,663	86	20.5	25,033	85	20.6	25,327	85	20.6	24,611	83	20.9	24,830	80	21.0
Hispanic	312	1	18.9	307	1	18.9	324	1	19.2	398	1	19.5	416	1	19.1
Asian American/Pacific Islander	339	1	21.8	360	1	21.7	402	1	22.3	381	1	22.3	426	1	21.8
Other/No Response	1,439	5	20.1	1,611	5	20.5	1,604	5	20.4	2,065	7	20.7	2,807	9	21.2

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	35	100	38	100	101	100	68	100	3	100	36
35	221	100	100	100	265	100	141	100	42	100	35
34	403	99	180	100	351	99	58	99	100	100	34
33	317	98	138	99	481	98	162	99	168	100	33
32	287	97	251	99	566	96	136	99	213	99	32
31	523	96	264	98	692	94	221	98	359	98	31
30	470	94	350	97	714	92	335	97	484	97	30
29	559	93	613	96	829	90	280	96	622	96	29
28	931	91	507	94	1,002	87	487	95	860	94	28
27	835	88	865	92	1,228	84	801	94	965	91	27
26	1,081	85	1,233	89	1,120	80	1,261	91	1,225	88	26
25	1,705	82	1,429	85	1,171	76	1,553	87	1,462	84	25
24	1,442	76	1,685	81	1,675	72	2,004	82	1,701	79	24
23	1,444	72	1,466	75	2,207	67	1,960	76	1,975	73	23
22	2,015	67	1,593	71	1,506	60	2,968	69	2,119	67	22
21	2,302	60	1,719	65	1,615	55	2,936	60	2,503	60	21
20	2,460	53	1,808	60	2,806	50	3,425	50	2,642	52	20
19	2,205	45	2,126	54	1,781	41	2,643	39	2,600	44	19
18	1,566	38	2,312	47	1,537	35	2,682	31	2,508	35	18
17	1,438	33	3,138	40	1,914	30	1,844	22	2,269	27	17
16	1,890	28	4,164	29	2,002	24	1,186	16	1,882	20	16
15	1,684	22	2,830	16	1,331	17	1,001	12	1,637	14	15
14	1,428	17	1,528	7	1,485	13	865	9	1,186	8	14
13	854	12	400	2	1,011	8	533	6	792	5	13
12	813	9	144	1	883	5	522	4	431	2	12
11	671	7	32	1	365	2	415	3	138	1	11
10	497	4	9	1	174	1	295	1	36	1	10
9	379	3	4	1	61	1	80	1	6	1	9
8	308	2	2	1	26	1	40	1	1	1	8
7	126	1	0	1	15	1	15	1	0	1	7
6	31	1	1	1	8	1	7	1	0	1	6
5	7	1	0	1	6	1	3	1	0	1	5
4	1	1	0	1	1	1	0	1	0	1	4
3	1	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	2	1	0	1	1
Avg (SD)	20.3 (5.9)		20.0 (4.8)		21.2 (5.8)		20.6 (4.6)		20.7 (4.7)		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	618	100	161	100	411	100	781	100	690	100	132	100	141	100	18
17	1,256	98	446	99	1,436	99	1,335	97	961	98	216	100	157	100	17
16	997	94	1,334	98	1,301	94	1,906	93	1,304	95	440	99	444	99	16
15	957	91	1,979	94	1,691	90	2,167	87	1,465	90	1,007	97	1,236	98	15
14	1,996	88	1,936	87	1,778	84	2,279	80	2,047	86	1,468	94	1,509	94	14
13	1,922	81	2,271	81	1,913	79	2,497	73	2,373	79	2,704	89	2,392	89	13
12	2,327	75	3,292	74	4,234	72	2,849	65	2,515	71	2,764	81	2,564	81	12
11	2,752	67	4,238	63	3,103	59	2,332	55	2,568	63	3,558	72	3,601	73	11
10	3,796	59	3,699	49	3,024	49	2,826	48	3,392	55	5,475	60	4,972	61	10
9	2,957	46	3,417	37	3,517	39	2,866	39	2,624	44	4,535	43	4,973	45	9
8	3,212	37	3,215	26	3,762	28	2,233	29	3,693	36	3,414	28	3,282	29	8
7	2,568	26	1,962	16	1,943	15	2,035	22	4,281	24	2,037	17	2,604	18	7
6	1,968	18	1,264	10	1,373	9	2,624	16	1,982	10	1,483	10	1,147	10	6
5	1,819	12	897	6	668	5	1,257	7	650	3	991	5	677	6	5
4	1,047	6	605	3	496	3	716	3	268	1	274	2	606	4	4
3	534	2	178	1	211	1	159	1	89	1	346	1	403	2	3
2	183	1	33	1	47	1	63	1	23	1	1	1	124	1	2
1	20	1	2	1	21	1	4	1	4	1	84	1	97	1	1
Avg (SD)	10.0 (3.7)		10.6 (3.1)		10.8 (3.3)		10.9 (3.7)		10.4 (3.4)		10.0 (2.8)		9.9 (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)	24	23	25	23	24
Q2 (50th Percentile)	20	19	21	20	20
Q1 (25th Percentile)	16	16	17	18	17

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	30,929	56	21.4	19.4
	African Am./Black	2,358	51	17.7	16.2
	Am. Indian/Alaska Native	92	53	21.5	17.3
	Caucasian Am./White	24,830	59	21.6	19.8
	Hispanic	416	54	20.1	17.8
	Asian Am./Pacific Islander	426	62	22.4	20.2
	Other/No Response	2,807	41	21.5	19.9
National	All Students	1,300,599	51	22.0	19.8
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.3	20.0	21.2	20.6	20.7
	African Am./Black	15.9	16.9	17.2	17.4	17.0
	Am. Indian/Alaska Native	18.7	18.9	20.2	19.8	19.5
	Caucasian Am./White	20.7	20.3	21.6	20.9	21.0
	Hispanic	18.0	18.7	19.6	19.3	19.1
	Asian Am./Pacific Islander	21.1	22.4	21.5	21.7	21.8
	Other/No Response	20.9	20.6	21.7	20.9	21.2
National	All Students	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	976	3	456	1	1,198	4	429	1
	28 to 32	2,770	9	1,985	6	3,803	12	1,459	5
	24 to 27	5,063	16	5,212	17	5,194	17	5,619	18
	20 to 23	8,221	27	6,586	21	8,134	26	11,289	36
	16 to 19	7,099	23	11,740	38	7,234	23	8,355	27
	13 to 15	3,966	13	4,758	15	3,827	12	2,399	8
	01 to 12	2,834	9	192	1	1,539	5	1,379	4
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	13,381	43	19.9	20.7	21.0	21.1	20.8
	Females	16,362	53	20.6	19.5	21.4	20.2	20.5
	Missing	1,186	4	21.3	20.8	21.9	21.2	21.5
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	65	40	49	29	21
	Females	69	30	51	20	16
National	Males	66	47	51	32	26
	Females	71	38	53	24	20

Section III

College Readiness and the Impact of Course Rigor

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

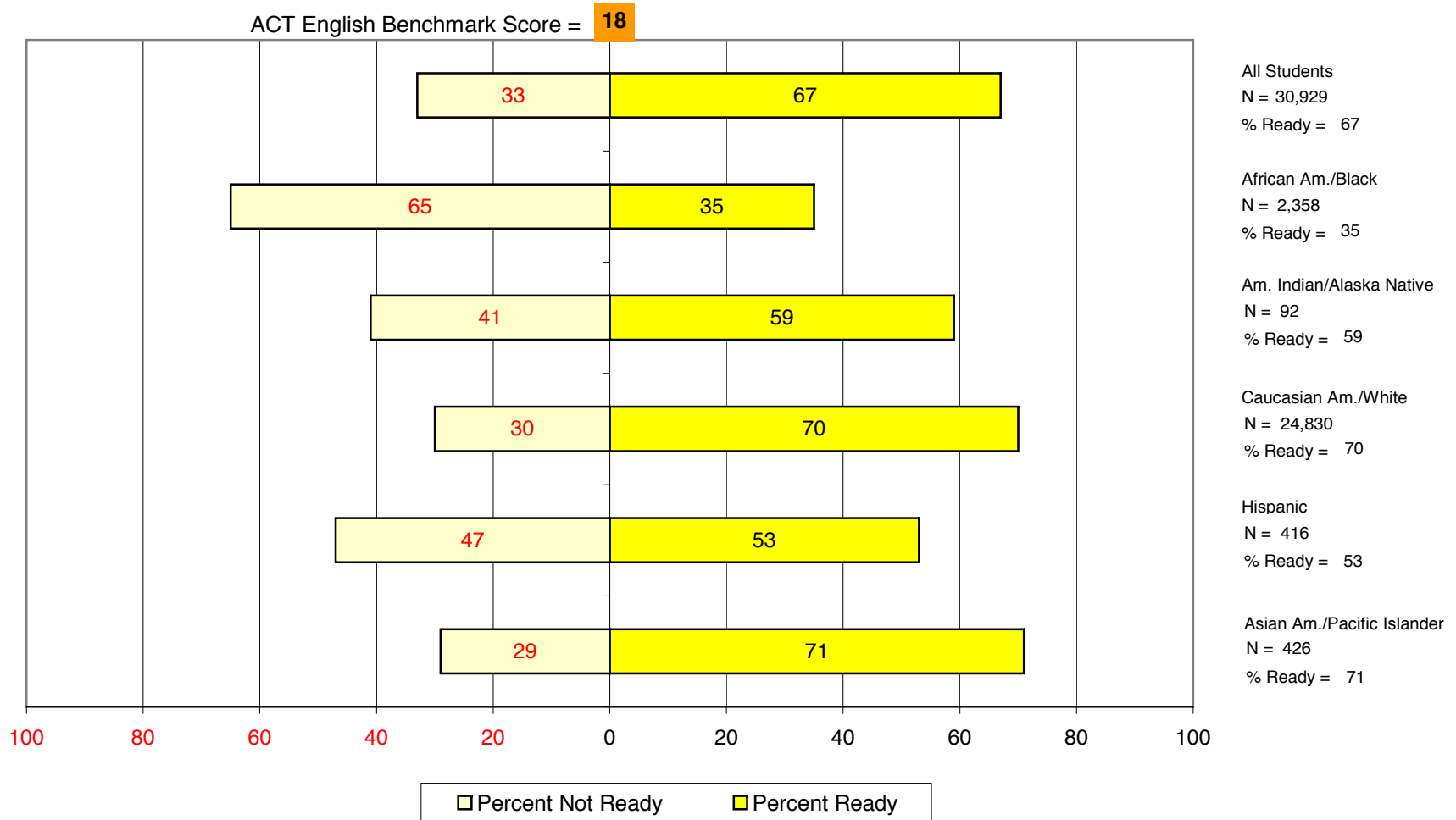


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

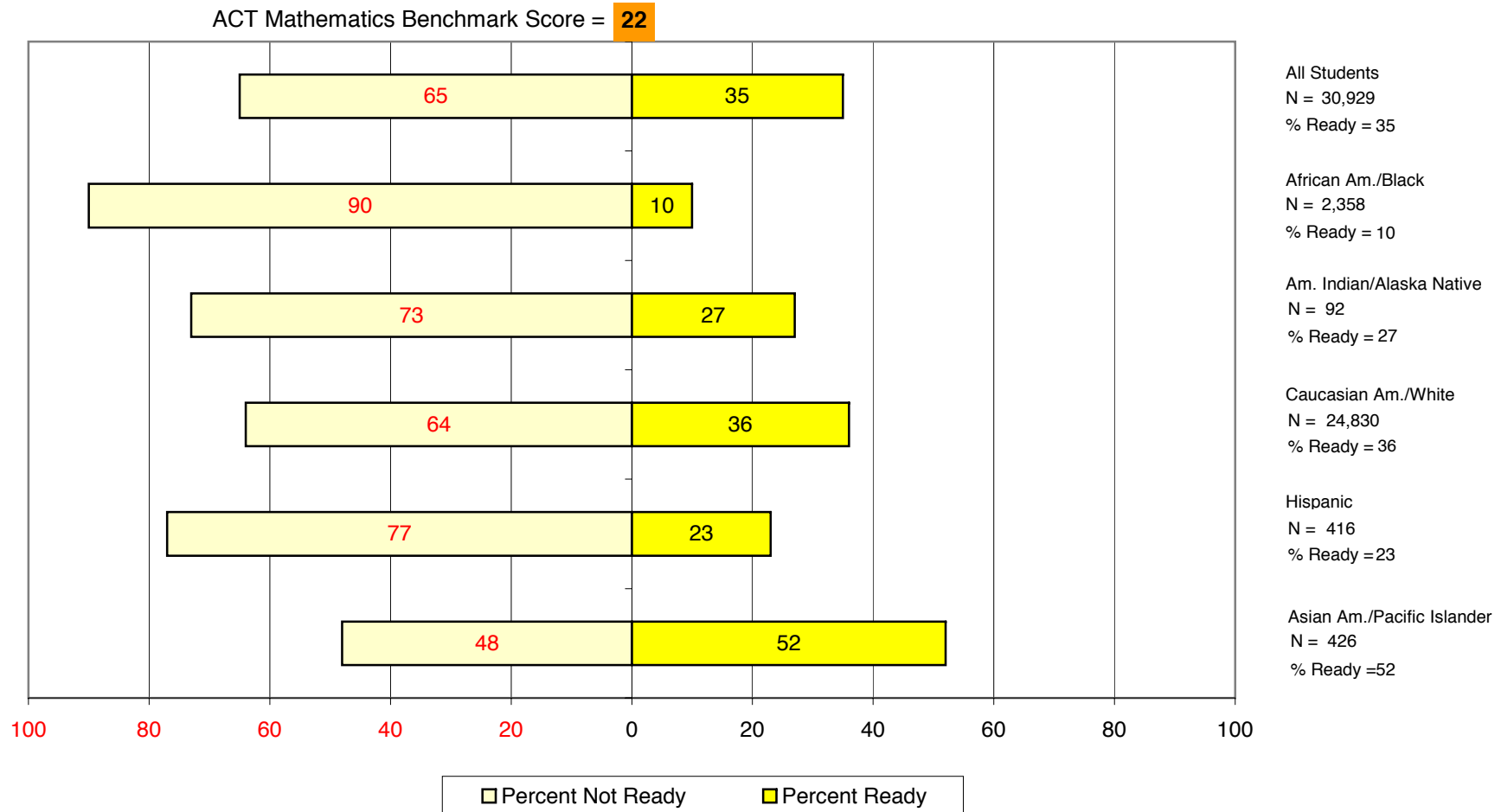


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

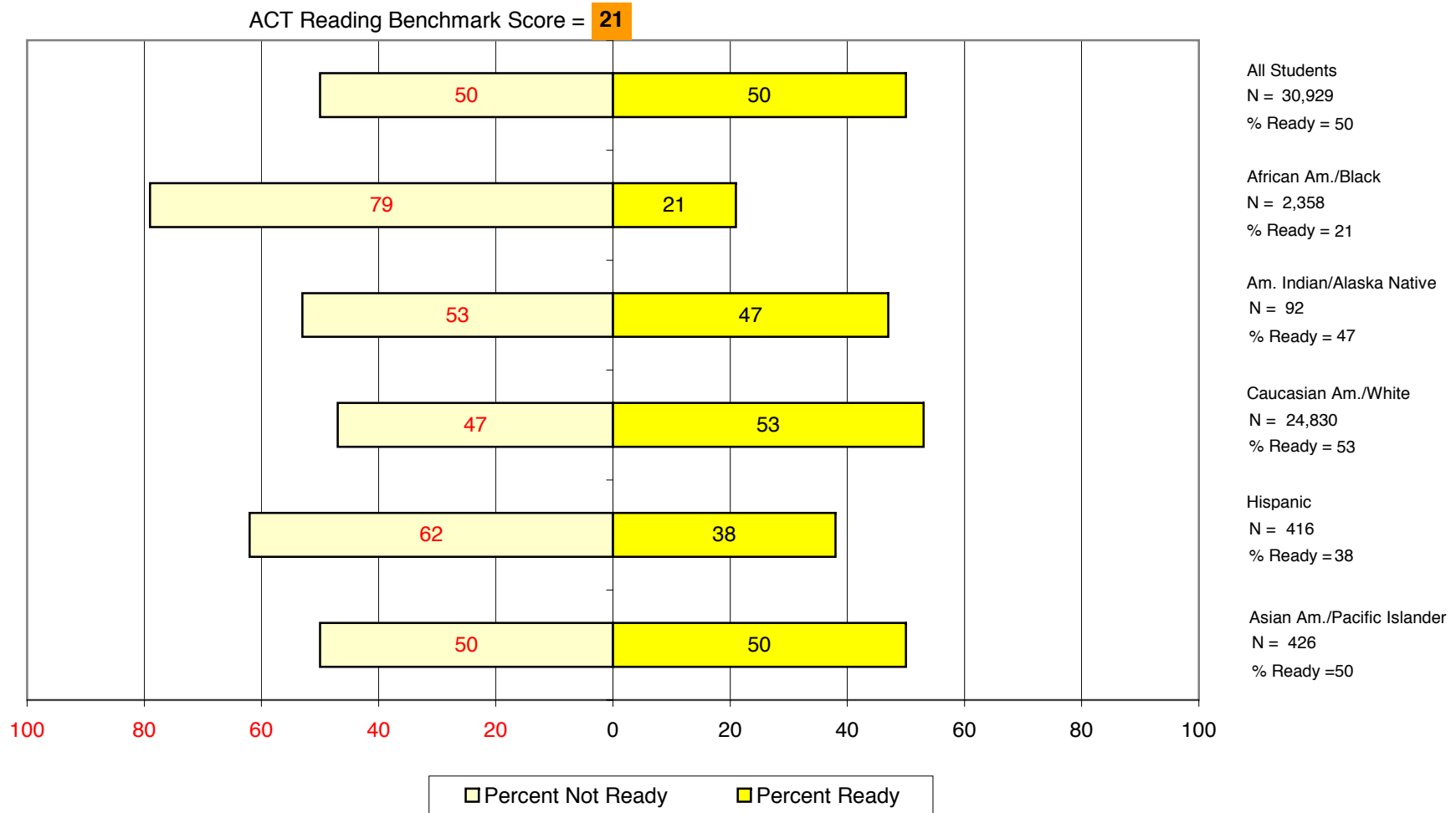


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

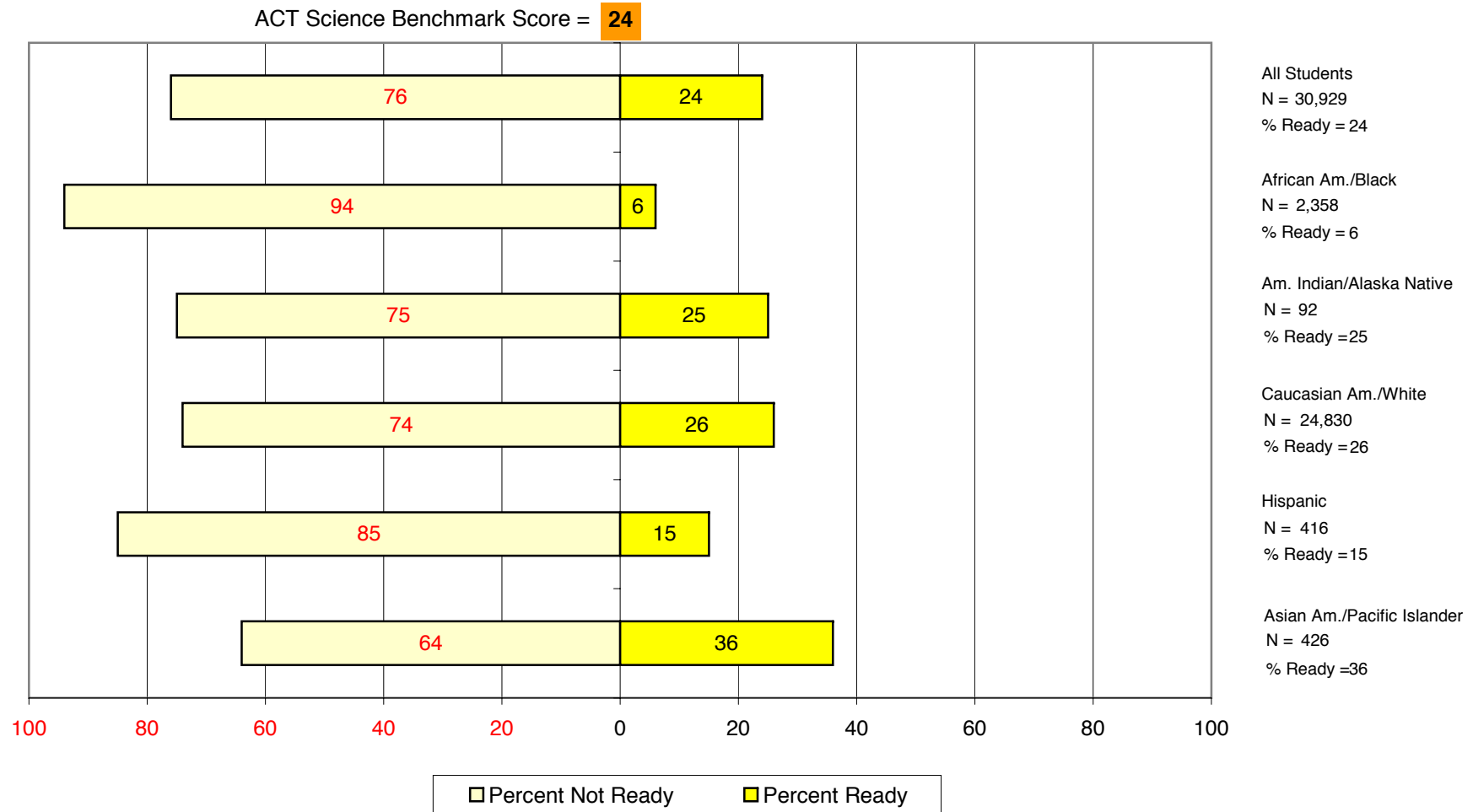


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

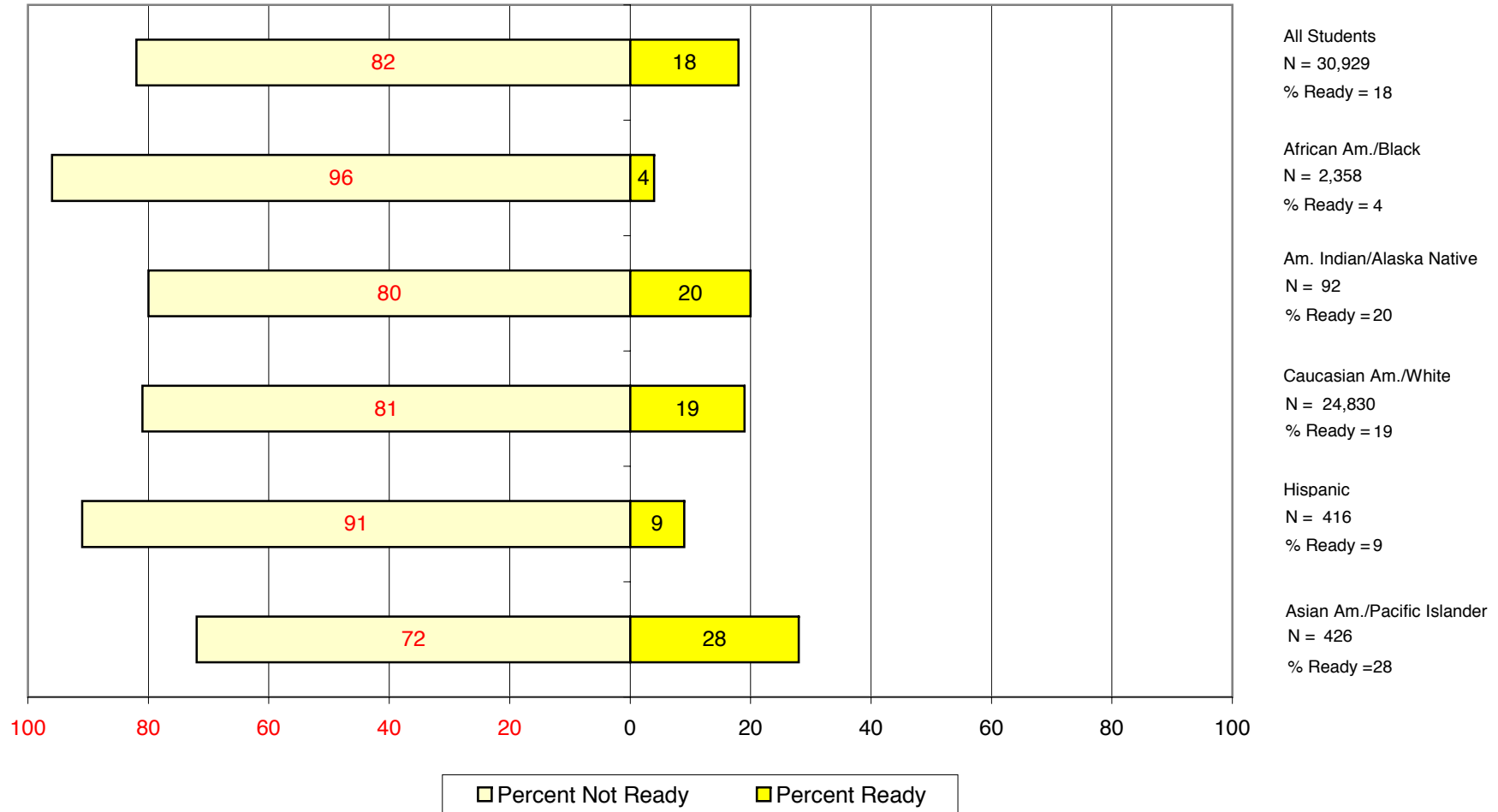


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added 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	4,027	13	22.1	2.4	1,529	11	21.8	2.4	2,433	15	22.2	2.2
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,522	70	20.0	0.3	9,354	70	19.7	0.3	11,722	72	20.2	0.2
Less than 4 years of English	2,281	7	19.7	-	1,115	8	19.4	-	1,055	6	20.0	-
No English course/grade information reported	3,099	10	20.8	-	1,383	10	19.7	-	1,152	7	21.6	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	778	3	24.5	6.4	369	3	25.5	6.9	384	2	23.4	5.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,214	4	21.5	3.4	482	4	22.3	3.7	706	4	20.9	3.4
Alg 1, Alg 2, Geom, & Trig	975	3	19.7	1.6	454	3	20.6	2.0	494	3	18.9	1.4
Alg 1, Alg 2, Geom, & Other Adv Math	7,232	23	19.6	1.5	2,686	20	20.1	1.5	4,416	27	19.2	1.7
Other comb of 4 or more years of Math	6,572	21	23.4	5.3	3,014	23	24.2	5.6	3,449	21	22.6	5.1
Alg 1, Alg 2, & Geom (Min. Core)	7,233	23	17.2	-0.9	3,125	23	17.7	-0.9	3,943	24	16.9	-0.6
Other comb of 3 or 3.5 years of Math	1,607	5	20.0	1.9	759	6	20.8	2.2	809	5	19.2	1.7
Less than 3 years of Math	2,096	7	18.1	-	1,045	8	18.6	-	964	6	17.5	-
No Math course/grade information reported	3,222	10	20.5	-	1,447	11	20.7	-	1,197	7	19.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	762	2	22.8	2.8	358	3	21.9	2.0	387	2	23.6	3.5
Other comb of 4 or more years Social Science	8,307	27	22.0	2.0	3,444	26	21.8	1.9	4,708	29	22.2	2.1
US Hist, World Hist, & Am Gov (Min. Core)	2,852	9	21.0	1.0	1,318	10	20.9	1.0	1,462	9	20.9	0.8
Other comb of 3 or 3.5 years of Social Science	8,183	26	21.3	1.3	3,349	25	21.2	1.3	4,661	28	21.4	1.3
Less than 3 years of Social Science	7,489	24	20.0	-	3,405	25	19.9	-	3,895	24	20.1	-
No Soc Sci course/grade information reported	3,336	11	21.6	-	1,507	11	21.1	-	1,249	8	21.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	7,965	26	21.9	2.9	3,772	28	22.6	3.3	4,038	25	21.1	2.5
Bio, Chem, Phys	1,850	6	22.8	3.8	868	6	23.4	4.1	936	6	22.1	3.5
Gen Sci ² , Bio, Chem (Min. Core)	13,169	43	20.0	1.0	5,098	38	20.3	1.0	7,803	48	19.9	1.3
Other comb of 3 years of Natural Science	735	2	19.5	0.5	347	3	20.0	0.7	375	2	19.1	0.5
Less than 3 years of Natural Science	3,833	12	19.0	-	1,763	13	19.3	-	1,950	12	18.6	-
No Nat Sci course/grade information reported	3,377	11	20.8	-	1,533	11	20.9	-	1,260	8	20.4	-

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	4,027	13	22.1	77	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,522	70	20.0	65	766,001	59	20.5	68
Less than 4 years of English	2,281	7	19.7	64	141,777	11	19.7	64
No English course/grade information reported	3,099	10	20.8	71	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	778	3	24.5	71	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,214	4	21.5	51	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	975	3	19.7	32	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	7,232	23	19.6	30	163,562	13	20.4	38
Other comb of 4 or more years of Math	6,572	21	23.4	63	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	7,233	23	17.2	10	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	1,607	5	20.0	35	57,945	4	20.9	43
Less than 3 years of Math	2,096	7	18.1	21	145,617	11	18.3	21
No Math course/grade information reported	3,222	10	20.5	38	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	762	2	22.8	59	31,985	2	22.7	61
Other comb of 4 or more years Social Science	8,307	27	22.0	56	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	2,852	9	21.0	47	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	8,183	26	21.3	51	333,689	26	21.4	52
Less than 3 years of Social Science	7,489	24	20.0	42	201,605	16	20.6	47
No Soc Sci course/grade information reported	3,336	11	21.6	53	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	7,965	26	21.9	35	333,648	26	22.4	40
Bio, Chem, Phys	1,850	6	22.8	42	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	13,169	43	20.0	19	353,348	27	20.2	20
Other comb of 3 years of Natural Science	735	2	19.5	16	32,593	3	20.4	24
Less than 3 years of Natural Science	3,833	12	19.0	13	247,312	19	19.1	15
No Nat Sci course/grade information reported	3,377	11	20.8	27	218,401	17	20.9	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	541	2	18.6	71	3	16.5	439	2	19.1
Architecture & Environmental Design	455	1	20.4	43	2	17.0	394	2	20.8
Business & Management	1,946	6	20.1	122	6	17.2	1,742	7	20.4
Business & Office	140	0	19.2	29	1	17.8	106	0	19.7
Marketing & Distribution	160	1	19.8	13	1	18.3	139	1	19.9
Communications & Comm. Technologies	695	2	21.3	32	1	18.0	628	3	21.5
Community & Personal Services	839	3	18.3	119	5	16.8	672	3	18.8
Computer & Information Sciences	625	2	21.1	72	3	17.7	525	2	21.6
Cross-Disciplinary Studies	21	0	22.7	1	0	16.0	19	0	22.7
Education	1,107	4	20.2	32	1	16.6	1,029	4	20.4
Teacher Education	844	3	19.7	25	1	15.8	784	3	19.9
Engineering	1,012	3	22.4	77	4	16.2	899	4	23.1
Engineering-Related Technologies	542	2	21.8	66	3	17.4	446	2	22.6
Foreign Languages	111	0	23.4	2	0	18.5	101	0	23.7
Health Sciences & Allied Health Fields	5,757	19	20.0	572	26	17.0	4,954	21	20.4
Human, Family & Consumer Science	330	1	18.7	57	3	16.8	249	1	19.1
Letters	148	0	24.0	9	0	17.2	132	1	24.5
Mathematics	118	0	24.3	2	0	21.0	112	0	24.4
Philosophy, Religion & Theology	168	1	22.3	6	0	17.0	152	1	22.6
Sciences (Biological & Physical)	1,032	3	23.6	12	1	17.7	989	4	23.8
Social Sciences	1,690	5	21.6	24	1	18.0	1,598	7	21.7
Trade & Industrial	326	1	17.9	199	9	17.4	107	0	18.8
Visual & Performing Arts	1,324	4	21.2	93	4	18.1	1,163	5	21.6
Undecided	4,598	15	20.4	350	16	16.6	3,922	17	20.8
No Response	6,400	21	21.2	170	8	17.0	2,320	10	21.6

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	503	17.0	28	15.5	3	15.3	439	17.0	6	17.0	5	17.6	22	18.6
2-yr College Degree	1,695	17.1	140	14.7	11	15.6	1,403	17.4	26	14.7	15	16.6	100	16.8
Bachelors Degree	10,687	19.7	812	16.4	28	20.4	8,954	20.0	113	18.3	98	19.4	682	19.9
Graduate Study	5,107	22.4	330	18.4	14	22.5	4,269	22.7	77	21.4	71	23.0	346	22.3
Prof. Level Degree	7,827	22.0	684	18.0	27	18.9	6,240	22.4	136	19.8	163	23.6	577	22.3
Other	851	18.1	95	15.3	2	16.5	645	18.5	13	18.9	15	17.3	81	18.0
No Response	4,259	21.1	269	16.4	7	21.0	2,880	21.3	45	17.5	59	22.2	999	21.7

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
UNIVERSITY OF KENTUCKY	Kentucky	12,582	4,293	8,289	1	7	26	34	22	9	1
UNIVERSITY OF LOUISVILLE	Kentucky	9,629	2,993	6,636	2	9	27	32	21	9	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	8,175	2,489	5,686	2	11	31	33	17	6	0
EASTERN KENTUCKY UNIVERSITY	Kentucky	6,991	2,189	4,802	1	12	36	33	14	3	0
MURRAY STATE UNIVERSITY	Kentucky	3,804	1,199	2,605	2	10	29	33	19	7	0
MOREHEAD STATE UNIVERSITY	Kentucky	3,445	1,056	2,389	2	14	34	32	14	3	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	3,118	1,225	1,893	2	10	32	34	17	5	0
GEORGETOWN COLLEGE	Kentucky	1,849	327	1,522	1	7	26	34	21	10	1
BELLARMINE UNIVERSITY	Kentucky	1,707	388	1,319	1	6	21	35	26	11	0
TRANSYLVANIA UNIVERSITY	Kentucky	1,614	276	1,338	0	3	14	29	31	21	2
BEREA COLLEGE	Kentucky	1,328	392	936	1	13	32	31	17	5	0
CAMPBELLSVILLE UNIVERSITY	Kentucky	1,288	320	968	2	13	32	34	15	5	0
CENTRE COLLEGE	Kentucky	1,157	249	908	0	2	10	22	31	31	3
BLUEGRASS COMMUNITY & TECHNICAL COLLEGE	Kentucky	1,062	371	691	3	18	44	26	7	1	0
KENTUCKY STATE UNIVERSITY	Kentucky	1,032	228	804	6	28	42	18	5	1	0
JEFFERSON COMM COLLEGE-DOWNTOWN CAMPUS	Kentucky	846	225	621	6	25	39	24	5	1	0
UNIVERSITY OF THE CUMBERLANDS	Kentucky	840	218	622	1	9	33	37	15	4	0
SOMERSET COMMUNITY COLLEGE	Kentucky	748	313	435	2	21	42	28	6	1	0
ELIZABETHTOWN COMM AND TECH COLLEGE	Kentucky	745	334	411	2	19	39	28	10	2	0
LINDSEY WILSON COLLEGE	Kentucky	744	132	612	2	16	36	31	11	3	0
KENTUCKY WESLEYAN COLLEGE	Kentucky	736	170	566	2	10	38	30	16	4	0
UNIVERSITY OF CINCINNATI	Ohio	704	143	561	1	8	22	34	23	12	1
WEST KENTUCKY COMM & TECHNICAL COLLEGE	Kentucky	698	273	425	1	15	38	32	11	2	0
ALICE LLOYD COLLEGE	Kentucky	684	236	448	2	19	36	30	11	2	0
THOMAS MORE COLLEGE	Kentucky	672	112	560	2	11	27	33	20	7	0
SULLIVAN UNIVERSITY	Kentucky	632	144	488	4	22	42	24	7	1	0
PIKEVILLE COLLEGE	Kentucky	623	160	463	2	17	40	30	10	1	0
JEFFERSON COMM COLLEGE-SOUTHWEST CAMPUS	Kentucky	497	137	360	3	20	43	27	5	1	0
OWENSBORO COMM & TECH COLL-MAIN CAMPUS	Kentucky	455	181	274	3	12	49	28	7	2	0
UNION COLLEGE	Kentucky	455	70	385	3	18	36	32	10	2	0
All Other Institutions		24,778	5,920	18,858	2	12	27	26	18	12	2
Total		93,638	26,763	66,875	2	11	29	30	18	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	4,729	532,943	23.9	22.3	7.4	7.6	22.8	21.8
African Am./Black	276	50,340	18.7	17.2	6.7	6.7	18.3	17.3
Am. Indian/Alaska Native	16	3,462	21.4	19.8	6.6	7.0	20.3	19.4
Caucasian Am./White	3,622	308,578	24.2	23.4	7.4	7.6	23.0	22.6
Hispanic	64	42,588	20.6	18.8	7.1	7.3	20.1	19.0
Asian Am./Pacific Islander	127	25,616	24.5	23.2	7.7	8.0	23.5	22.8
Other/No Response	624	102,359	24.5	23.2	7.6	7.8	23.4	22.7
Males	1,885	204,427	23.7	22.0	7.1	7.3	22.3	21.3
Females	2,589	285,556	24.0	22.5	7.6	7.7	23.0	22.1
Missing	255	42,960	24.0	23.0	7.5	7.8	22.9	22.6

