

# ACT High School Profile Report

The Graduating Class of 2006  
Arkansas





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Arkansas

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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](http://www.act.org)

## How to Improve Scores and Increase College Readiness

17% 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.** 21,005 ACT-tested graduates are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY.** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 68% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES.** Table 3.2 reports 8% of the cohort took less than three years of math courses. Of these students, 9% were college ready. 16% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 8% of these students were college ready. In comparison, 44% 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 14% of the cohort took less than three years of natural science courses. 7% 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 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](http://www.act.org/standard).

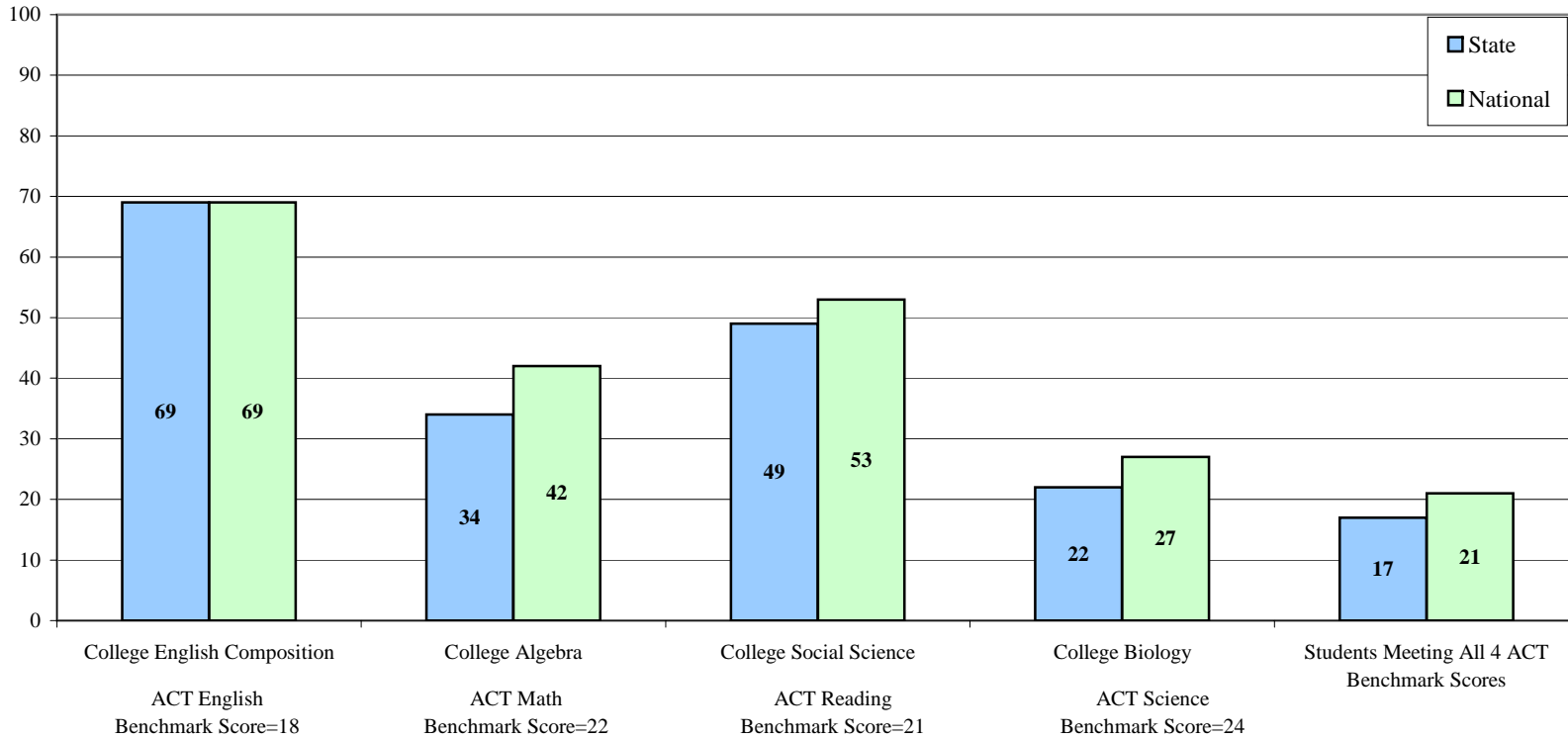
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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 512-345-1949.

# 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	21,007	1,116,082	68	67	29	39	48	53	21	26	15	20
2003	21,166	1,175,059	69	67	29	40	47	52	21	26	15	20
2004	20,489	1,171,460	68	68	30	40	48	52	21	26	16	21
2005	21,000	1,186,251	68	68	31	41	47	51	21	26	16	21
<b>2006</b>	<b>21,005</b>	<b>1,206,455</b>	<b>69</b>	<b>69</b>	<b>34</b>	<b>42</b>	<b>49</b>	<b>53</b>	<b>22</b>	<b>27</b>	<b>17</b>	<b>21</b>

**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	21,007	1,116,082	20.5	20.2	19.2	20.6	20.5	21.1	20.0	20.8	20.2	20.8
2003	21,166	1,175,059	20.7	20.3	19.3	20.6	20.6	21.2	20.1	20.8	20.3	20.8
2004	20,489	1,171,460	20.6	20.4	19.5	20.7	20.8	21.3	20.1	20.9	20.4	20.9
2005	21,000	1,186,251	20.5	20.4	19.6	20.7	20.6	21.3	20.1	20.9	20.3	20.9
<b>2006</b>	<b>21,005</b>	<b>1,206,455</b>	<b>20.7</b>	<b>20.6</b>	<b>19.9</b>	<b>20.8</b>	<b>20.9</b>	<b>21.4</b>	<b>20.3</b>	<b>20.9</b>	<b>20.6</b>	<b>21.1</b>

**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
<b>2006</b>	<b>1,206,455</b>	<b>20.6</b>	<b>20.8</b>	<b>21.4</b>	<b>20.9</b>	<b>21.1</b>

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Grad Year	Number of Students Tested		Percent <sup>1</sup>		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	14,923	3,926	71	19	21.4	17.3	19.9	16.8	21.3	17.9	20.7	17.8	20.9	17.6
2003	15,112	4,063	71	19	21.6	17.3	20.0	16.8	21.3	18.1	20.7	17.9	21.0	17.6
2004	14,739	4,175	72	20	21.6	17.3	20.3	17.0	21.5	18.2	20.8	17.9	21.2	17.7
2005	14,635	4,393	70	21	21.5	17.3	20.3	17.1	21.4	18.1	20.8	17.9	21.1	17.7
<b>2006</b>	<b>14,348</b>	<b>4,613</b>	<b>68</b>	<b>22</b>	<b>21.7</b>	<b>17.8</b>	<b>20.6</b>	<b>17.6</b>	<b>21.8</b>	<b>18.6</b>	<b>21.0</b>	<b>18.3</b>	<b>21.4</b>	<b>18.2</b>

<sup>1</sup>Percent 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
<b>All Students</b>	<b>21,007</b>	<b>100</b>	<b>20.2</b>	<b>21,166</b>	<b>100</b>	<b>20.3</b>	<b>20,489</b>	<b>100</b>	<b>20.4</b>	<b>21,000</b>	<b>100</b>	<b>20.3</b>	<b>21,005</b>	<b>100</b>	<b>20.6</b>
African American/Black	3,341	16	16.5	3,329	16	16.7	3,238	16	16.7	3,444	16	16.7	3,297	16	16.9
American Indian/Alaskan Native	188	1	19.2	197	1	19.9	236	1	19.9	200	1	20.1	230	1	20.2
Caucasian American/White	15,424	73	21.0	15,585	74	21.1	15,075	74	21.2	15,221	72	21.2	15,068	72	21.5
Hispanic	338	2	18.0	424	2	18.9	413	2	18.6	529	3	18.6	579	3	18.9
Asian American/Pacific Islander	326	2	21.6	322	2	21.7	325	2	20.9	359	2	21.4	355	2	21.0
Other/No Response	1,390	7	20.3	1,309	6	20.7	1,202	6	20.8	1,247	6	20.5	1,476	7	20.6

# Section II

# Academic Achievement

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages for All Students**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
36	28	100	13	100	95	100	26	100	1	100	36
35	159	100	28	100	172	100	65	100	16	100	35
34	353	99	83	100	244	99	83	100	52	100	34
33	234	97	48	99	333	98	64	99	94	100	33
32	259	96	97	99	329	96	125	99	175	99	32
31	328	95	139	99	411	94	179	98	227	98	31
30	478	94	190	98	444	92	50	97	301	97	30
29	549	91	307	97	497	90	227	97	416	96	29
28	558	89	374	96	635	88	330	96	582	94	28
27	660	86	669	94	668	85	433	95	689	91	27
26	878	83	880	91	1,088	82	1,015	92	893	88	26
25	1,039	79	937	87	930	77	773	88	951	84	25
24	1,088	74	1,232	82	876	72	1,322	84	1,230	79	24
23	998	69	1,017	76	1,321	68	1,654	78	1,198	73	23
22	1,288	64	1,097	71	1,068	62	1,441	70	1,465	68	22
21	1,525	58	1,195	66	1,232	57	1,931	63	1,646	61	21
20	1,553	50	1,269	60	1,338	51	2,026	54	1,714	53	20
19	1,403	43	1,437	54	1,436	44	2,217	44	1,747	45	19
18	1,094	36	1,748	48	1,255	38	1,849	34	1,616	36	18
17	1,026	31	2,332	39	1,287	32	1,320	25	1,613	29	17
16	1,151	26	2,488	28	989	25	1,115	18	1,348	21	16
15	1,147	21	1,684	16	969	21	717	13	1,135	14	15
14	939	15	1,165	8	1,307	16	633	10	836	9	14
13	531	11	392	3	796	10	506	7	648	5	13
12	490	8	133	1	700	6	388	4	291	2	12
11	401	6	36	1	360	3	269	2	97	1	11
10	305	4	10	1	112	1	145	1	16	1	10
9	225	3	2	1	75	1	58	1	3	1	9
8	212	2	1	1	19	1	23	1	3	1	8
7	79	1	0	1	5	1	13	1	1	1	7
6	19	1	0	1	7	1	6	1	0	1	6
5	4	1	0	1	3	1	1	1	0	1	5
4	4	1	2	1	2	1	0	1	1	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	1	1	0	1	1
Average	20.7		19.9		20.9		20.3		20.6		Average

<sup>1</sup>Note: 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 (CP<sup>1</sup>), 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 <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	648	100	168	100	237	100	527	100	246	100	68	100	64	100	18
17	765	97	444	99	999	99	877	97	331	99	110	100	140	100	17
16	790	93	1,050	97	785	94	1,146	93	1,048	97	252	99	297	99	16
15	1,061	90	1,418	92	945	90	1,328	88	848	92	419	98	610	98	15
14	1,199	84	1,511	85	1,276	86	1,408	82	1,067	88	1,260	96	1,265	95	14
13	1,431	79	1,685	78	1,573	80	1,562	75	1,979	83	1,214	90	1,751	89	13
12	1,607	72	1,933	70	2,132	72	2,290	67	2,091	74	2,645	84	2,052	80	12
11	2,112	64	2,773	61	2,104	62	1,716	56	1,677	64	2,165	72	1,906	71	11
10	2,165	54	2,307	48	2,081	52	1,758	48	2,129	56	3,623	61	3,816	62	10
9	2,111	44	2,378	37	2,773	42	1,835	40	1,946	46	4,044	44	2,964	43	9
8	2,059	34	1,957	25	2,404	29	1,574	31	2,957	36	2,042	25	2,280	29	8
7	1,630	24	1,318	16	1,550	18	1,458	24	2,685	22	991	15	1,498	18	7
6	1,415	16	892	10	1,135	10	1,795	17	1,278	10	936	10	1,265	11	6
5	869	10	718	6	465	5	878	8	412	3	671	6	145	5	5
4	682	5	341	2	329	3	627	4	212	1	280	3	617	5	4
3	338	2	91	1	158	1	168	1	79	1	202	1	52	2	3
2	111	1	20	1	46	1	54	1	18	1	27	1	230	1	2
1	12	1	1	1	13	1	4	1	2	1	56	1	53	1	1
Average	10.3		10.7		10.6		10.7		10.3		10.0		9.9		Average

<sup>1</sup>Note: 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	21,005	68	21.4	18.2
	African Am./Black	3,297	64	17.6	15.5
	Am. Indian/Alaskan Native	230	65	21.1	18.5
	Caucasian Am./White	15,068	72	22.2	19.1
	Hispanic	579	64	20.1	16.4
	Asian Am./Pacific Islander	355	76	21.4	18.9
	Other/No Response	1,476	45	21.6	18.5
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	774	4	172	1	844	4	238	1
	28 to 32	2,172	10	1,107	5	2,316	11	911	4
	24 to 27	3,665	17	3,718	18	3,562	17	3,543	17
	20 to 23	5,364	26	4,578	22	4,959	24	7,052	34
	16 to 19	4,674	22	8,005	38	4,967	24	6,501	31
	13 to 15	2,617	12	3,241	15	3,072	15	1,856	9
	01 to 12	1,739	8	184	1	1,285	6	904	4
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	9,368	45	20.2	20.5	20.7	20.7	20.7
	Females	11,309	54	21.1	19.4	21.1	20.0	20.5
	Missing	328	2	20.5	19.9	21.2	20.7	20.7
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	65	39	47	26	21
	Females	72	30	51	19	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

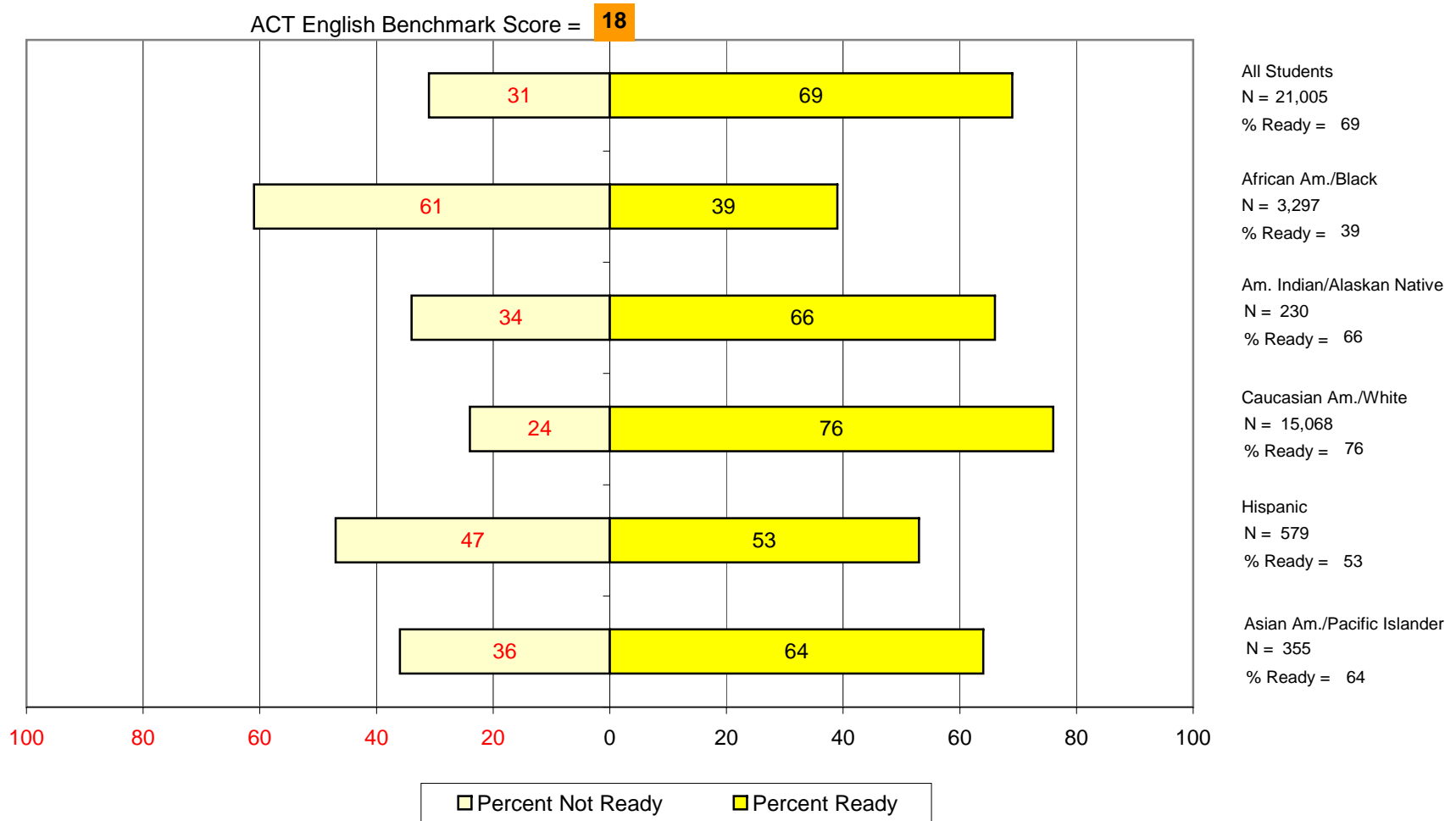


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

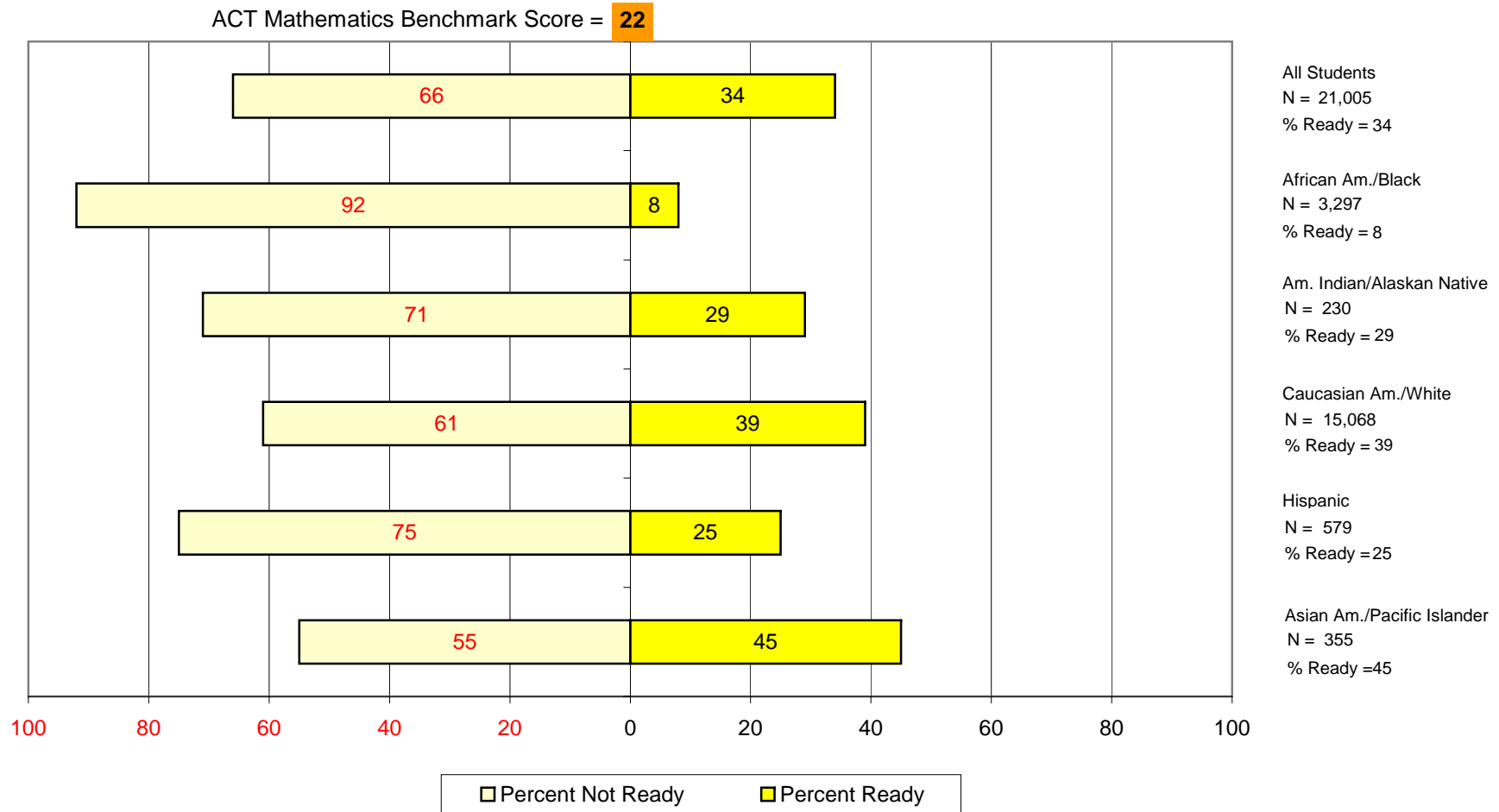


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

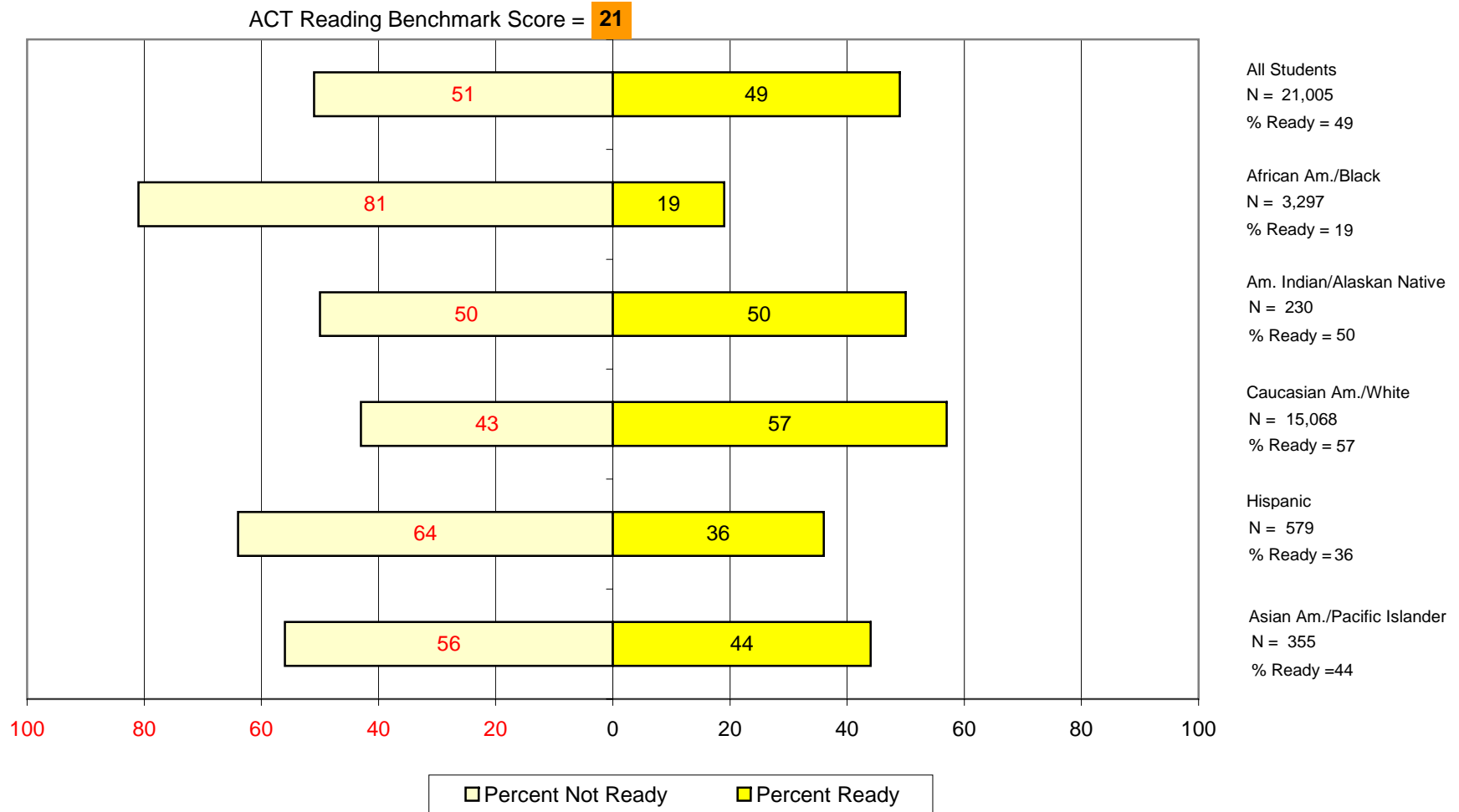


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

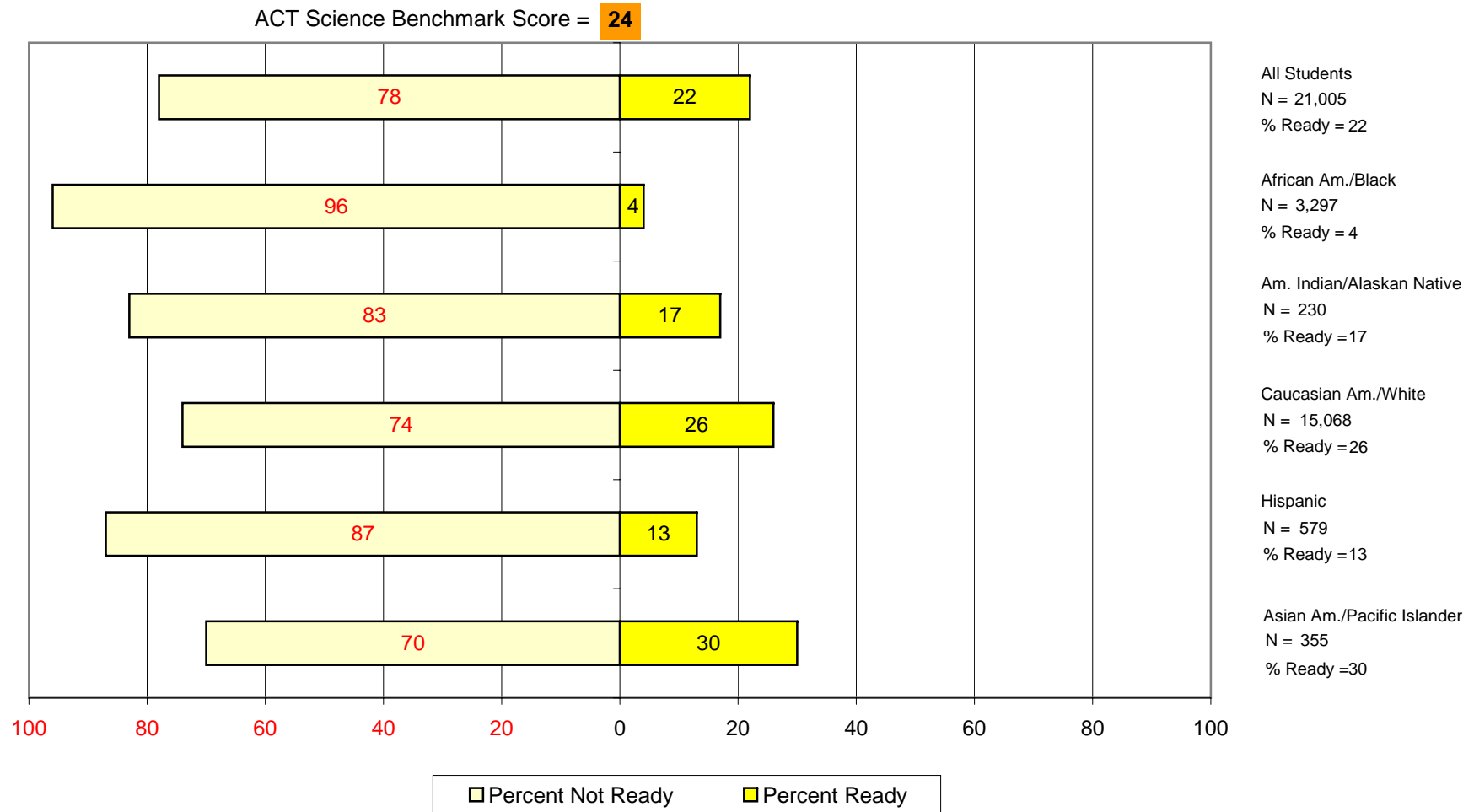
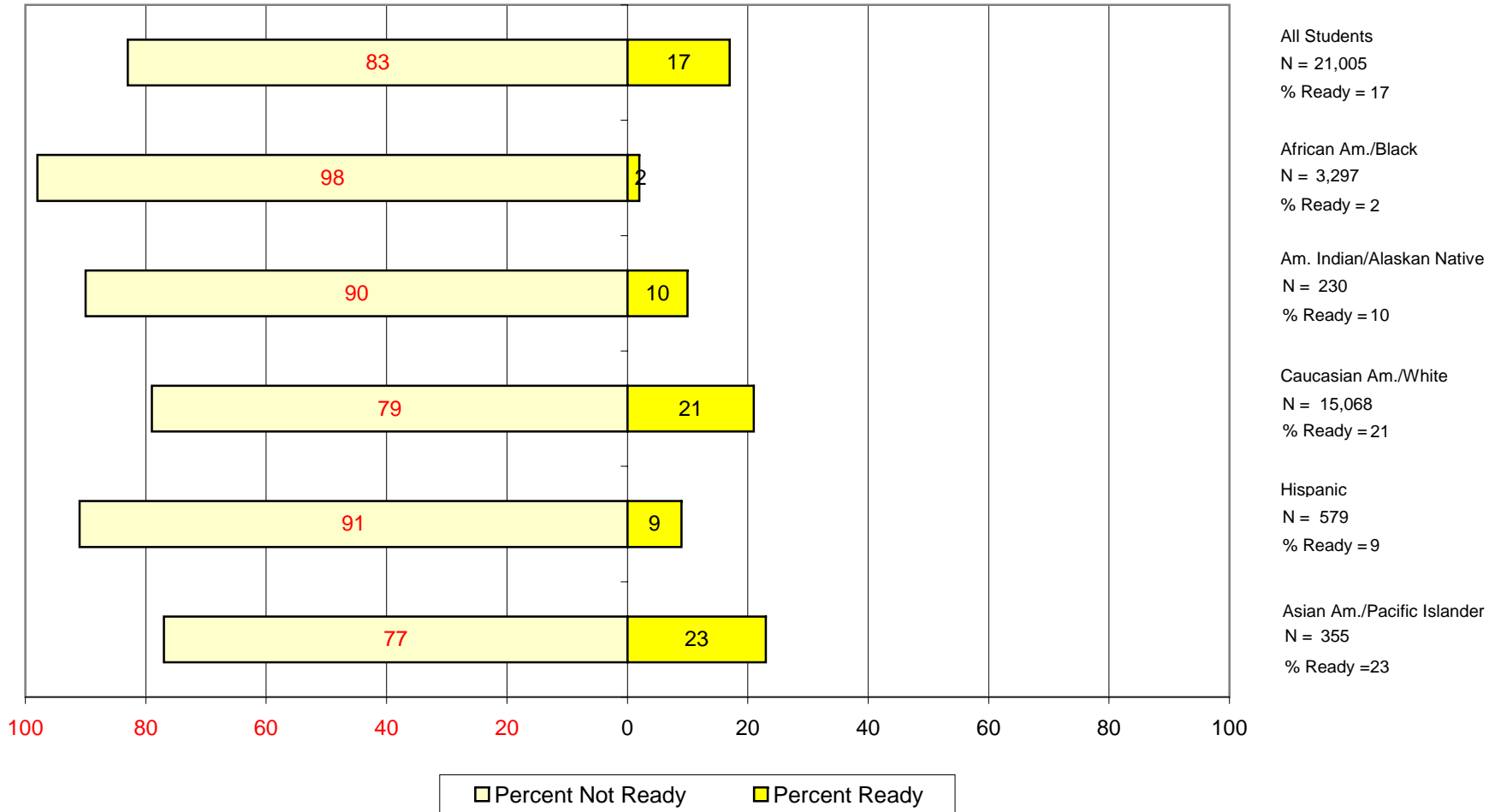


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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 <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,516	45	22.4	2.5	3,890	42	22.0	2.3	5,580	49	22.7	2.6
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	8,237	39	18.9	-1.0	3,849	41	18.4	-1.3	4,262	38	19.3	-0.8
Less than 4 years of English	1,166	6	19.9	-	589	6	19.7	-	550	5	20.1	-
No English course/grade information reported	2,086	10	20.4	-	1,040	11	20.1	-	917	8	20.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,399	7	23.6	7.1	654	7	24.5	7.5	733	6	22.7	6.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,969	9	21.5	5.0	731	8	22.2	5.2	1,222	11	21.1	5.1
Alg 1, Alg 2, Geom, & Trig	2,093	10	20.1	3.6	866	9	20.8	3.8	1,210	11	19.6	3.6
Alg 1, Alg 2, Geom, & Other Adv Math	3,806	18	19.1	2.6	1,492	16	19.6	2.6	2,278	20	18.8	2.8
Other comb of 4 or more years of Math	3,978	19	22.5	6.0	1,889	20	23.3	6.3	2,055	18	21.8	5.8
Alg 1, Alg 2, & Geom (Min. Core)	3,436	16	16.9	0.4	1,592	17	17.4	0.4	1,798	16	16.5	0.5
Other comb of 3 or 3.5 years of Math	561	3	18.8	2.3	281	3	19.2	2.2	272	2	18.3	2.3
Less than 3 years of Math	1,595	8	16.5	-	773	8	17.0	-	791	7	16.0	-
No Math course/grade information reported	2,168	10	19.6	-	1,090	12	20.0	-	950	8	19.0	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,355	6	22.3	3.1	675	7	22.3	3.2	666	6	22.3	3.1
Other comb of 4 or more years Social Science	7,445	35	21.9	2.7	3,092	33	21.6	2.5	4,285	38	22.1	2.9
US Hist, World Hist, & Am Gov (Min. Core)	3,254	15	20.1	0.9	1,510	16	20.0	0.9	1,710	15	20.2	1.0
Other comb of 3 or 3.5 years of Social Science	5,314	25	20.4	1.2	2,243	24	20.1	1.0	3,025	27	20.7	1.5
Less than 3 years of Social Science	1,436	7	19.2	-	730	8	19.1	-	672	6	19.2	-
No Soc Sci course/grade information reported	2,201	10	20.4	-	1,118	12	20.5	-	951	8	20.3	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	6,171	29	21.8	4.0	2,951	32	22.5	4.5	3,160	28	21.1	3.5
Bio, Chem, Phys	528	3	21.1	3.3	227	2	21.7	3.7	295	3	20.6	3.0
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	8,329	40	20.2	2.4	3,258	35	20.4	2.4	4,994	44	20.0	2.4
Other comb of 3 years of Natural Science	912	4	19.9	2.1	454	5	20.1	2.1	449	4	19.7	2.1
Less than 3 years of Natural Science	2,840	14	17.8	-	1,362	15	18.0	-	1,437	13	17.6	-
No Nat Sci course/grade information reported	2,225	11	20.1	-	1,116	12	20.5	-	974	9	19.5	-

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

<sup>2</sup>Includes 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
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,516	45	22.4	79	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	8,237	39	18.9	58	668,226	55	20.4	67
Less than 4 years of English	1,166	6	19.9	65	115,551	10	19.4	62
No English course/grade information reported	2,086	10	20.4	67	150,124	12	20.3	67
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,399	7	23.6	66	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,969	9	21.5	51	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	2,093	10	20.1	36	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	3,806	18	19.1	25	153,394	13	20.3	37
Other comb of 4 or more years of Math	3,978	19	22.5	57	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	3,436	16	16.9	8	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	561	3	18.8	25	54,965	5	20.6	40
Less than 3 years of Math	1,595	8	16.5	9	131,567	11	17.9	18
No Math course/grade information reported	2,168	10	19.6	31	158,635	13	20.8	42
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,355	6	22.3	57	31,335	3	22.7	60
Other comb of 4 or more years Social Science	7,445	35	21.9	56	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	3,254	15	20.1	43	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	5,314	25	20.4	46	325,879	27	21.3	52
Less than 3 years of Social Science	1,436	7	19.2	36	179,270	15	20.5	46
No Soc Sci course/grade information reported	2,201	10	20.4	46	158,406	13	21.2	52
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	6,171	29	21.8	33	320,821	27	22.3	38
Bio, Chem, Phys	528	3	21.1	32	115,519	10	23.2	45
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	8,329	40	20.2	19	339,689	28	20.2	19
Other comb of 3 years of Natural Science	912	4	19.9	21	32,330	3	20.5	24
Less than 3 years of Natural Science	2,840	14	17.8	7	234,307	19	19.1	14
No Nat Sci course/grade information reported	2,225	11	20.1	20	163,789	14	20.7	26

<sup>1</sup>Includes 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 <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	518	2	18.7	60	4	16.7	426	3	19.0
Architecture & Environmental Design	360	2	20.5	21	2	17.6	317	2	20.7
Business & Management	1,391	7	20.2	91	7	16.6	1,220	7	20.6
Business & Office	114	1	18.9	15	1	16.5	90	1	19.4
Marketing & Distribution	114	1	20.2	8	1	17.8	103	1	20.4
Communications & Comm. Technologies	414	2	20.8	25	2	16.6	362	2	21.4
Community & Personal Services	490	2	18.2	83	6	16.6	365	2	18.7
Computer & Information Sciences	594	3	20.9	57	4	17.1	502	3	21.4
Cross-Disciplinary Studies	16	0	23.5	0	0	.	16	0	23.5
Education	730	3	20.1	20	1	17.3	667	4	20.3
Teacher Education	719	3	19.4	23	2	16.5	648	4	19.7
Engineering	721	3	21.4	73	5	16.5	610	4	22.2
Engineering-Related Technologies	389	2	21.4	43	3	17.5	330	2	22.1
Foreign Languages	76	0	23.9	1	0	19.0	72	0	24.0
Health Sciences & Allied Health Fields	4,343	21	20.4	312	22	16.8	3,832	24	20.8
Human, Family & Consumer Science	210	1	18.5	30	2	16.0	157	1	19.1
Letters	122	1	24.5	4	0	23.0	113	1	24.8
Mathematics	81	0	23.8	0	0	.	78	0	24.0
Philosophy, Religion & Theology	156	1	22.3	4	0	16.0	145	1	22.5
Sciences (Biological & Physical)	706	3	22.7	15	1	18.8	673	4	22.9
Social Sciences	1,108	5	21.6	17	1	17.1	1,058	7	21.8
Trade & Industrial	259	1	17.8	136	10	16.7	102	1	19.2
Visual & Performing Arts	1,053	5	20.7	101	7	17.5	876	5	21.2
Undecided	2,175	10	20.9	150	11	17.0	1,845	11	21.4
No Response	4,146	20	20.7	104	7	16.7	1,668	10	21.2

<sup>1</sup>2-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*.

<sup>2</sup>Percent 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	357	16.8	69	14.5	4	14.5	258	17.4	12	16.4	1	17.0	13	16.8
2-yr College Degree	1,036	16.9	224	14.4	12	16.2	694	17.9	44	16.2	12	16.0	50	16.4
Bachelors Degree	7,612	19.9	1,059	16.4	73	19.6	5,807	20.7	193	18.4	118	18.7	362	19.7
Graduate Study	2,815	22.4	331	18.2	28	20.5	2,191	23.1	65	20.2	45	22.7	155	21.7
Prof. Level Degree	5,848	21.8	1,078	18.1	82	21.7	4,043	22.9	182	20.2	124	23.3	339	21.6
Other	786	18.0	217	15.7	12	18.7	473	19.1	20	17.1	18	18.6	46	18.0
No Response	2,551	20.5	319	16.4	19	20.4	1,602	21.3	63	18.5	37	21.9	511	20.9

**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 CENTRAL ARKANSAS	Arkansas	7,469	2,241	5,228	1	10	28	31	21	8	0
UNIVERSITY OF ARKANSAS	Arkansas	7,467	2,981	4,486	1	7	24	31	23	12	1
ARKANSAS STATE UNIVERSITY	Arkansas	4,402	1,810	2,592	2	13	32	30	18	6	0
ARKANSAS TECH UNIVERSITY	Arkansas	3,845	1,230	2,615	1	9	29	32	21	7	0
UNIVERSITY OF ARKANSAS AT LITTLE ROCK	Arkansas	2,870	641	2,229	3	15	35	29	15	4	0
HENDERSON STATE UNIVERSITY	Arkansas	1,897	567	1,330	2	14	34	30	15	5	0
UNIV OF ARKANSAS-FORT SMITH	Arkansas	1,639	614	1,025	2	10	32	33	19	5	0
SOUTHERN ARKANSAS UNIVERSITY	Arkansas	1,171	399	772	3	15	37	28	13	3	0
HENDRIX COLLEGE	Arkansas	1,144	207	937	0	7	18	27	27	19	2
UNIV OF ARKANSAS AT MONTICELLO	Arkansas	980	343	637	3	19	36	28	12	2	0
OUACHITA BAPTIST UNIVERSITY	Arkansas	967	218	749	1	9	25	32	22	11	1
UNIV OF ARKANSAS AT PINE BLUFF	Arkansas	884	247	637	8	37	38	14	2	0	0
ARKANSAS STATE UNIVERSITY-BEEBE	Arkansas	872	369	503	2	11	39	32	14	2	0
HARDING UNIVERSITY	Arkansas	858	252	606	1	7	22	35	24	11	1
PULASKI TECHNICAL COLLEGE	Arkansas	667	218	449	4	22	42	26	6	0	0
NORTHWEST ARKANSAS COMMUNITY COLLEGE	Arkansas	659	238	421	2	11	38	34	13	2	0
LYON COLLEGE	Arkansas	655	116	539	1	5	18	32	27	16	1
UNIV OF ARKANSAS FOR MEDICAL SCIENCES	Arkansas	554	26	528	1	9	30	36	17	6	1
WILLIAMS BAPTIST COLLEGE	Arkansas	535	117	418	0	8	31	36	19	5	0
UNIVERSITY OF THE OZARKS	Arkansas	512	82	430	3	14	31	29	19	5	0
UNIV OF ARKANSAS COMM COLL-MORRILTON	Arkansas	430	123	307	2	16	44	30	8	0	0
JOHN BROWN UNIVERSITY	Arkansas	406	90	316	1	6	23	31	25	13	1
NORTH ARKANSAS COLLEGE	Arkansas	350	122	228	2	13	34	35	14	2	0
ARKANSAS STATE UNIVERSITY-MOUNTAIN HOME	Arkansas	344	136	208	1	12	35	34	14	3	0
CENTRAL BAPTIST COLLEGE	Arkansas	323	65	258	4	19	33	25	16	4	0
BAPTIST HLTH SCH OF NURSING/ALLIED HLTH	Arkansas	318	72	246	2	19	43	26	9	2	0
COLLEGE OF THE OZARKS	Missouri	310	117	193	0	10	36	33	16	5	0
PHILANDER SMITH COLLEGE	Arkansas	307	40	267	7	41	39	12	2	0	0
NATIONAL PARK COMMUNITY COLLEGE	Arkansas	305	116	189	3	21	41	29	6	0	0
MISSOURI STATE UNIVERSITY	Missouri	302	67	235	0	3	20	32	31	12	1
All Other Institutions		18,382	4,087	14,295	2	12	28	25	19	12	2
<b>Total</b>		<b>61,824</b>	<b>17,951</b>	<b>43,873</b>	<b>2</b>	<b>12</b>	<b>29</b>	<b>29</b>	<b>19</b>	<b>9</b>	<b>1</b>

# 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
<b>All Students</b>	<b>1,952</b>	<b>430,404</b>	<b>24.4</b>	<b>22.4</b>	<b>7.4</b>	<b>7.7</b>	<b>23.2</b>	<b>22.0</b>
African Am./Black	242	38,583	19.1	17.5	6.6	6.8	18.5	17.6
Am. Indian/Alaskan Native	15	2,803	25.5	19.8	6.5	7.1	23.1	19.6
Caucasian Am./White	1,405	269,428	25.4	23.4	7.6	7.8	24.1	22.8
Hispanic	47	33,207	21.7	18.9	6.9	7.4	20.8	19.1
Asian Am./Pacific Islander	68	21,275	24.6	23.0	7.6	8.0	23.4	22.8
Other/No Response	175	65,108	24.1	22.8	7.4	7.9	23.0	22.5
Males	827	170,904	24.4	22.1	7.3	7.4	23.1	21.5
Females	1,078	240,056	24.5	22.6	7.6	7.9	23.4	22.3
Missing	47	19,444	23.2	22.1	7.2	7.8	22.1	21.9



