

# ACT Profile Report - State

Graduating Class 2009  
Arkansas





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This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

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, test data for a school, district, and the state 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, or the state.

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

## How to Improve Scores and Increase College Readiness

18% of your students 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:** 22,523 of your students 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. 76% 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 5% of the cohort took less than three years of math courses. Of these students, 5% were college ready. 12% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 8% of these students were college ready. In comparison, 42% of the students who advanced beyond minimum math 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. 6% of these students were college ready. In comparison, 27% 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 53% 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.

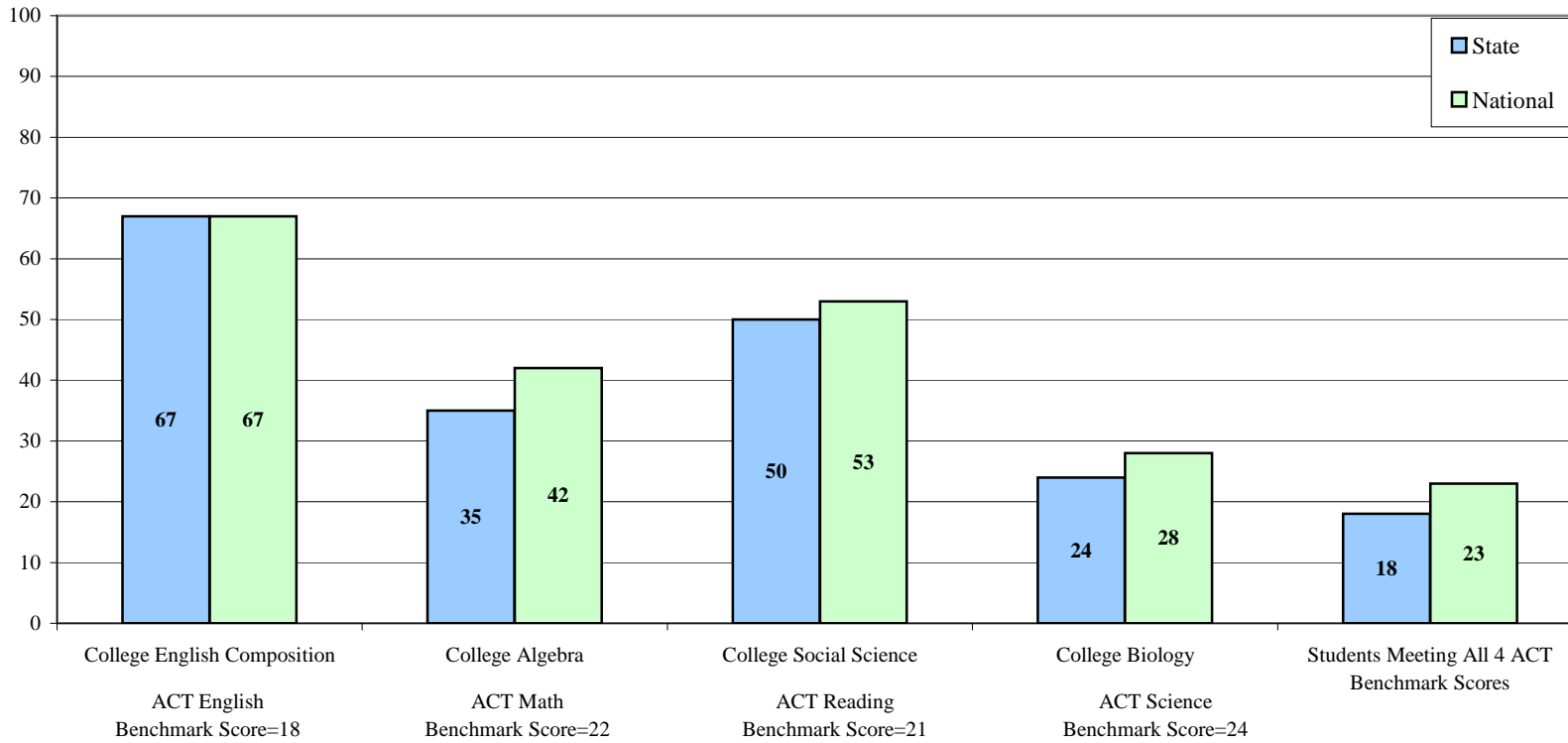
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 512-345-1949.

# Section I

## Executive Summary

Total Students in Report: 22,523

**Figure 1.1. Percent of Your 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.**



Total Students in Report: 22,523

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

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
2005	21,000	1,186,251	68	68	31	41	47	51	21	26	16	21
2006	21,005	1,206,455	69	69	34	42	49	53	22	27	17	21
2007	21,403	1,300,599	68	69	34	43	48	53	21	28	17	23
2008	22,545	1,421,941	70	68	35	43	49	53	22	28	17	22
<b>2009</b>	<b>22,523</b>	<b>1,480,469</b>	<b>67</b>	<b>67</b>	<b>35</b>	<b>42</b>	<b>50</b>	<b>53</b>	<b>24</b>	<b>28</b>	<b>18</b>	<b>23</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

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
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
2006	21,005	1,206,455	20.7	20.6	19.9	20.8	20.9	21.4	20.3	20.9	20.6	21.1
2007	21,403	1,300,599	20.5	20.7	19.9	21.0	20.9	21.5	20.2	21.0	20.5	21.2
2008	22,545	1,421,941	20.7	20.6	20.1	21.0	21.0	21.4	20.3	20.8	20.6	21.1
<b>2009</b>	<b>22,523</b>	<b>1,480,469</b>	<b>20.6</b>	<b>20.6</b>	<b>20.1</b>	<b>21.0</b>	<b>21.0</b>	<b>21.4</b>	<b>20.2</b>	<b>20.9</b>	<b>20.6</b>	<b>21.1</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
<b>2009</b>	<b>1,480,469</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.9</b>	<b>21.1</b>

Total Students in Report: 22,523

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	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
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
2006	14,348	4,613	68	22	21.7	17.8	20.6	17.6	21.8	18.6	21.0	18.3	21.4	18.2
2007	13,333	5,092	62	24	21.5	17.7	20.6	17.9	21.7	18.7	20.8	18.3	21.3	18.3
2008	16,307	4,840	72	21	21.6	17.7	20.8	17.8	21.8	18.6	21.0	18.2	21.4	18.2
<b>2009</b>	<b>17,134</b>	<b>4,358</b>	<b>76</b>	<b>19</b>	<b>21.5</b>	<b>17.3</b>	<b>20.9</b>	<b>17.7</b>	<b>21.9</b>	<b>18.3</b>	<b>21.0</b>	<b>17.8</b>	<b>21.4</b>	<b>17.9</b>

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity**

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>21,000</b>	<b>100</b>	<b>20.3</b>	<b>21,005</b>	<b>100</b>	<b>20.6</b>	<b>21,403</b>	<b>100</b>	<b>20.5</b>	<b>22,545</b>	<b>100</b>	<b>20.6</b>	<b>22,523</b>	<b>100</b>	<b>20.6</b>
African American/Black	3,444	16	16.7	3,297	16	16.9	3,464	16	16.7	3,722	17	17.0	3,922	17	16.7
American Indian/Alaska Native	200	1	20.1	230	1	20.2	213	1	20.5	240	1	21.1	239	1	20.9
Caucasian American/White	15,221	72	21.2	15,068	72	21.5	14,775	69	21.4	15,982	71	21.5	15,968	71	21.6
Hispanic	529	3	18.6	579	3	18.9	624	3	18.8	768	3	19.1	885	4	18.8
Asian American/Pacific Islander	359	2	21.4	355	2	21.0	392	2	21.1	450	2	21.9	409	2	22.0
Other/No Response	1,247	6	20.5	1,476	7	20.6	1,935	9	21.0	1,383	6	21.0	1,100	5	21.1

# Section II

# Academic Achievement

Total Students in Report: 22,523

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	59	100	19	100	171	100	36	100	2	100	36
35	239	100	50	100	65	99	45	100	18	100	35
34	267	99	75	100	333	99	87	100	68	100	34
33	258	97	187	99	423	97	115	99	125	100	33
32	305	96	133	99	292	96	94	99	221	99	32
31	344	95	161	98	526	94	187	98	245	98	31
30	483	93	157	97	749	92	247	97	383	97	30
29	539	91	430	97	635	89	315	96	521	95	29
28	598	89	496	95	658	86	373	95	614	93	28
27	592	86	658	92	695	83	506	93	772	90	27
26	946	84	928	89	762	80	792	91	882	87	26
25	1,168	79	1,073	85	762	76	1,355	88	1,071	83	25
24	1,092	74	1,281	81	953	73	1,166	82	1,230	78	24
23	1,218	69	1,220	75	1,399	69	1,461	76	1,273	73	23
22	1,413	64	1,117	70	1,259	63	1,634	70	1,528	67	22
21	1,642	58	1,337	65	1,605	57	1,758	63	1,765	60	21
20	1,596	50	1,271	59	1,462	50	2,515	55	1,736	52	20
19	1,378	43	1,488	53	1,422	43	2,023	44	1,861	45	19
18	1,052	37	1,779	46	1,154	37	1,825	35	1,669	36	18
17	1,127	33	2,563	38	1,286	32	1,104	27	1,625	29	17
16	1,275	28	2,889	27	1,467	26	1,252	22	1,453	22	16
15	1,255	22	1,919	14	1,153	20	901	16	1,253	15	15
14	752	16	896	6	1,161	15	807	12	1,001	10	14
13	717	13	292	2	864	9	709	9	712	5	13
12	599	10	72	1	654	6	484	5	352	2	12
11	554	7	25	1	349	3	387	3	129	1	11
10	471	5	2	1	144	1	180	2	9	1	10
9	352	3	2	1	73	1	110	1	3	1	9
8	146	1	2	1	24	1	37	1	0	1	8
7	60	1	0	1	16	1	7	1	2	1	7
6	19	1	0	1	1	1	8	1	0	1	6
5	7	1	0	1	4	1	1	1	0	1	5
4	0	1	1	1	2	1	0	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
<b>Avg (SD)</b>	20.6 (6.1)		20.1 (4.7)		21.0 (6.0)		20.2 (4.8)		20.6 (4.9)		<b>Avg (SD)</b>

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 22,523

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subtest Score Averages**

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	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	726	100	289	100	548	100	837	100	445	100	79	100	88	100	18
17	645	97	263	99	819	98	808	96	810	98	77	100	73	100	17
16	1,015	94	1,176	98	994	94	1,628	93	790	94	378	99	506	99	16
15	1,137	89	1,433	92	1,265	90	1,655	85	1,136	91	465	98	636	97	15
14	963	84	1,595	86	1,086	84	1,748	78	1,384	86	1,605	96	1,454	94	14
13	1,515	80	1,754	79	1,968	79	1,058	70	1,477	80	1,556	88	2,027	88	13
12	1,796	73	2,594	71	1,710	70	1,723	66	2,063	73	2,218	82	1,801	79	12
11	1,944	65	2,251	60	1,737	63	2,342	58	2,014	64	2,776	72	2,475	71	11
10	2,765	57	2,787	50	2,895	55	1,964	48	2,432	55	4,709	59	3,595	60	10
9	2,312	44	2,493	37	2,420	42	1,601	39	2,210	44	3,490	38	3,111	44	9
8	1,840	34	1,949	26	2,873	31	2,027	32	3,012	34	2,313	23	2,584	30	8
7	1,881	26	1,578	17	2,093	19	1,534	23	2,849	21	1,292	13	1,477	19	7
6	1,595	18	783	10	1,188	9	1,421	16	1,251	8	497	7	1,139	12	6
5	1,027	11	772	7	487	4	1,292	10	379	3	610	5	720	7	5
4	837	6	567	4	223	2	548	4	176	1	225	2	367	4	4
3	404	2	210	1	150	1	251	1	76	1	180	1	306	2	3
2	112	1	26	1	58	1	84	1	15	1	20	1	95	1	2
1	9	1	3	1	9	1	2	1	4	1	33	1	69	1	1
Avg (SD)	10.2 (3.7)		10.6 (3.3)		10.6 (3.4)		10.8 (3.9)		10.5 (3.3)		10.2 (2.6)		9.9 (3.0)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	24	25	23	24
Q2 (50th Percentile)	20	19	21	20	20
Q1 (25th Percentile)	16	16	16	17	17

Total Students in Report: 22,523

**Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>22,523</b>	<b>76</b>	<b>21.4</b>	<b>17.9</b>
	African American/Black	3,922	66	17.5	15.2
	American Indian/Alaska Native	239	73	21.8	18.6
	Caucasian American/White	15,968	79	22.3	18.9
	Hispanic	885	73	19.5	16.9
	Asian American/Pacific Islander	409	88	22.5	18.9
	Other/No Response	1,100	63	22.1	18.6
National	<b>All Students</b>	<b>1,480,469</b>	<b>70</b>	<b>22.0</b>	<b>19.1</b>
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	20.6	20.1	21.0	20.2	20.6
	African American/Black	16.1	16.8	16.6	16.9	16.7
	American Indian/Alaska Native	20.9	20.4	21.6	20.3	20.9
	Caucasian American/White	21.8	20.9	22.2	21.0	21.6
	Hispanic	17.9	18.9	19.0	18.8	18.8
	Asian American/Pacific Islander	21.2	22.5	21.7	22.0	22.0
	Other/No Response	20.9	20.6	21.5	20.6	21.1
National	<b>All Students</b>	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 22,523

**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	823	4	331	1	992	4	283	1
	28 to 32	2,269	10	1,377	6	2,860	13	1,216	5
	24 to 27	3,798	17	3,940	17	3,172	14	3,819	17
	20 to 23	5,869	26	4,945	22	5,725	25	7,368	33
	16 to 19	4,832	21	8,719	39	5,329	24	6,204	28
	13 to 15	2,724	12	3,107	14	3,178	14	2,417	11
	01 to 12	2,208	10	104	0	1,267	6	1,216	5
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	10,348	46	20.3	20.7	21.1	20.7	20.8
	Females	12,131	54	20.8	19.6	21.0	19.8	20.4
	Missing	44	0	18.4	19.1	19.3	19.3	19.2
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	65	40	51	28	22
	Females	69	31	50	20	15
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 22,523

**Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>3</sup>	Avg
State	Core or More <sup>2</sup>	17,134	74	21.5	41	20.9	56	21.9	28	21.0	22	21.4
	Less than Core	4,358	45	17.3	15	17.7	30	18.3	9	17.8	6	17.9
	Missing	1,031	53	18.5	24	18.4	35	18.8	14	18.6	10	18.7
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

<sup>1</sup>"Curriculum Taken" reflects overall high school curriculum in this table.

<sup>2</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

<sup>3</sup>Composite CRB% results reflect students who meet all four subject-area benchmarks.

**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	21,007	68	20.7	20,522	37	20.4	20,376	52	21.3	18,522	27	20.8
	Less than Core	618	51	18.0	1,026	5	16.2	1,196	32	18.5	3,050	6	17.2
	Missing	898	58	19.2	975	25	18.6	951	37	19.1	951	15	18.9
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

<sup>1</sup>"Curriculum Taken" reflects content-specific curriculum in this table.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

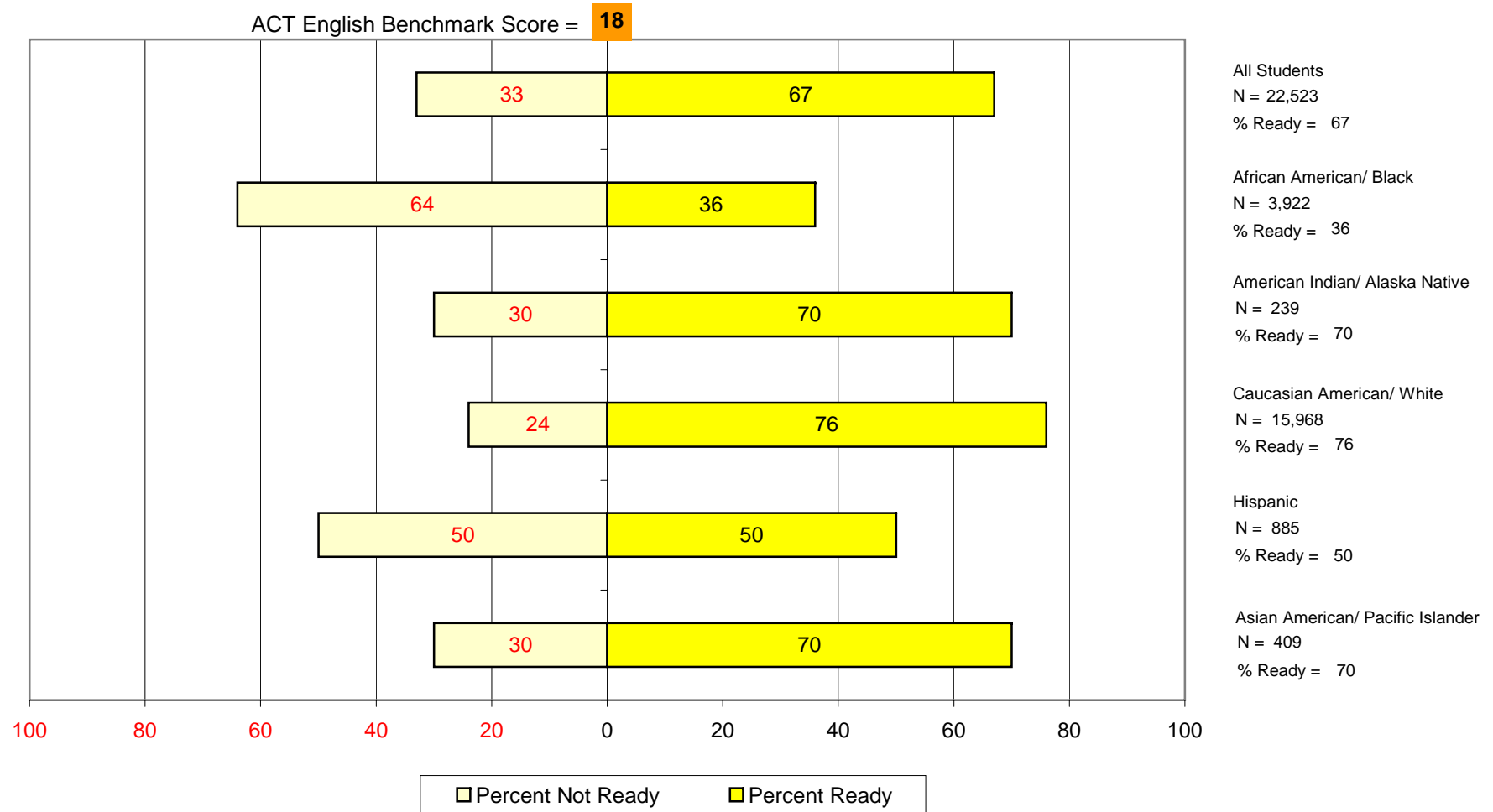


# Section III

## College Readiness and the Impact of Course Rigor

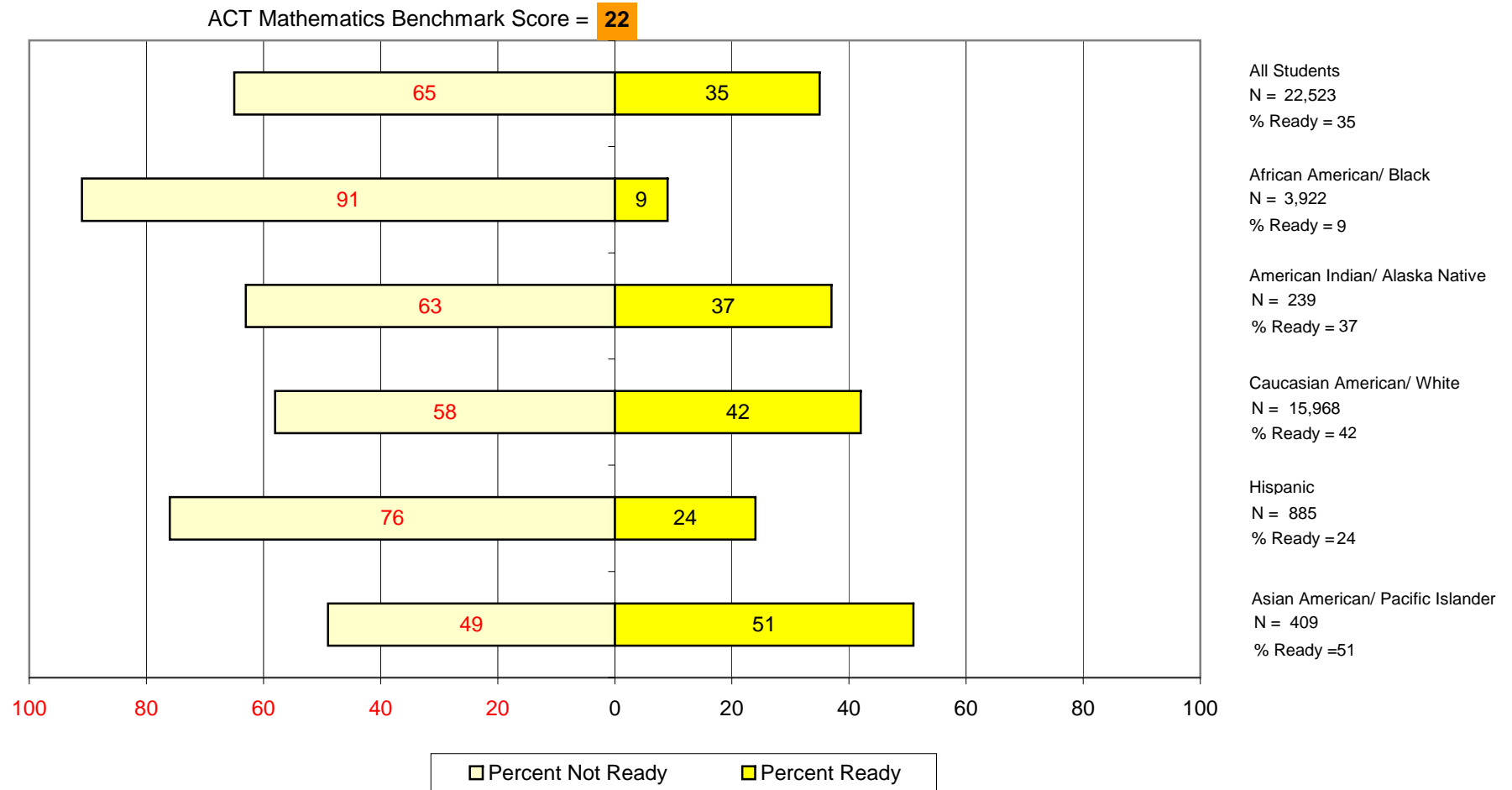
Total Students in Report: 22,523

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



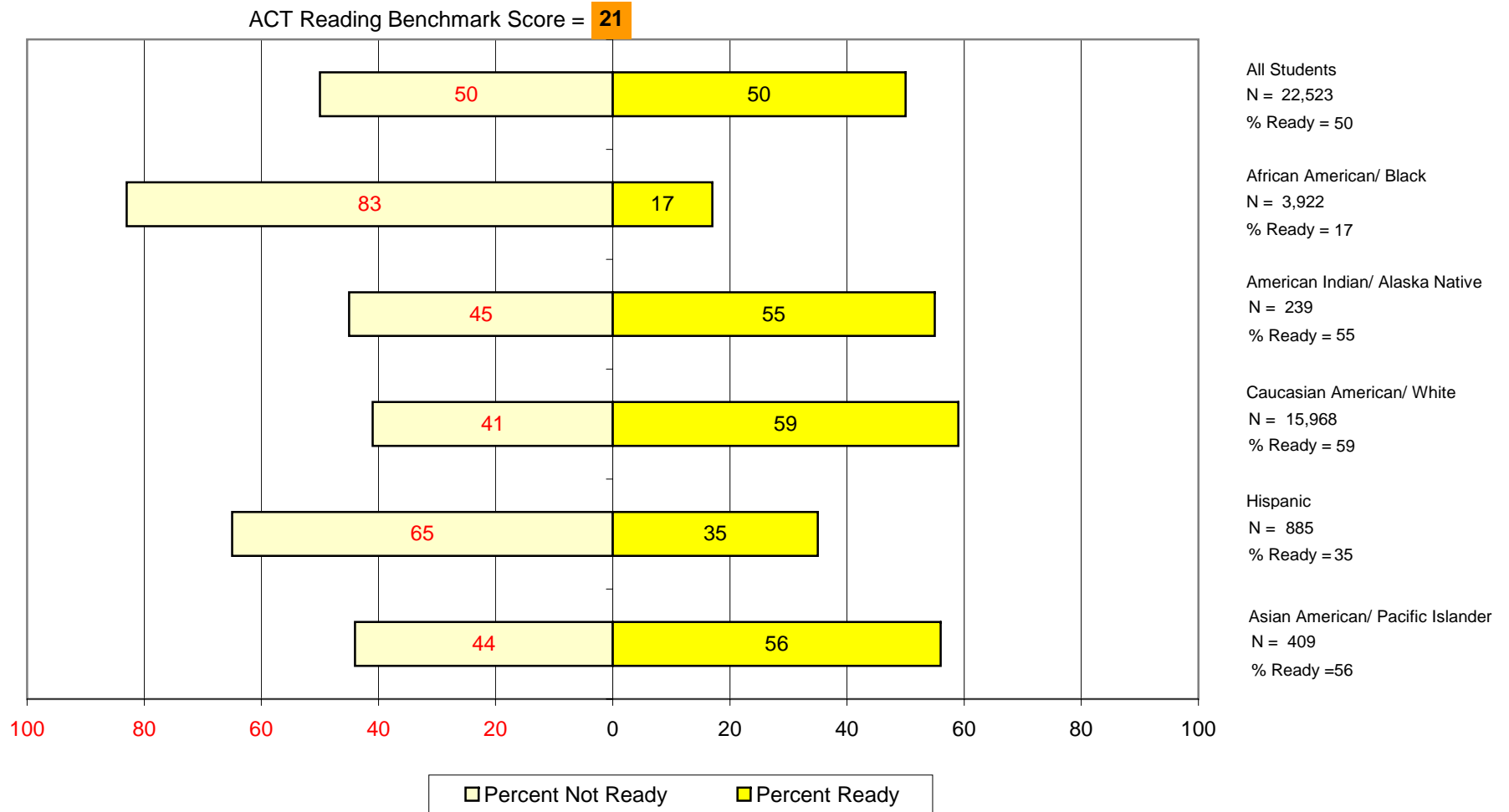
Total Students in Report: 22,523

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



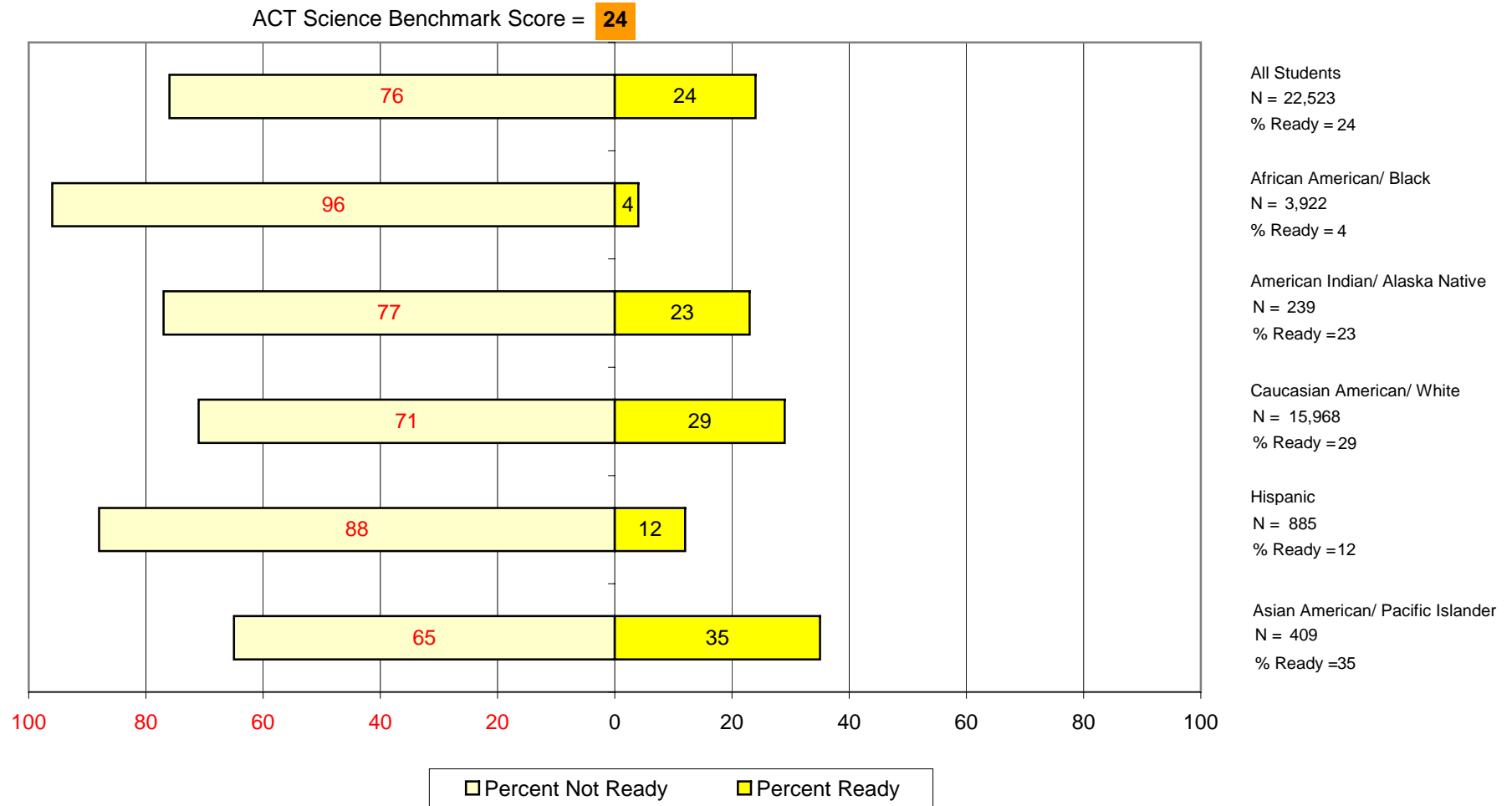
Total Students in Report: 22,523

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



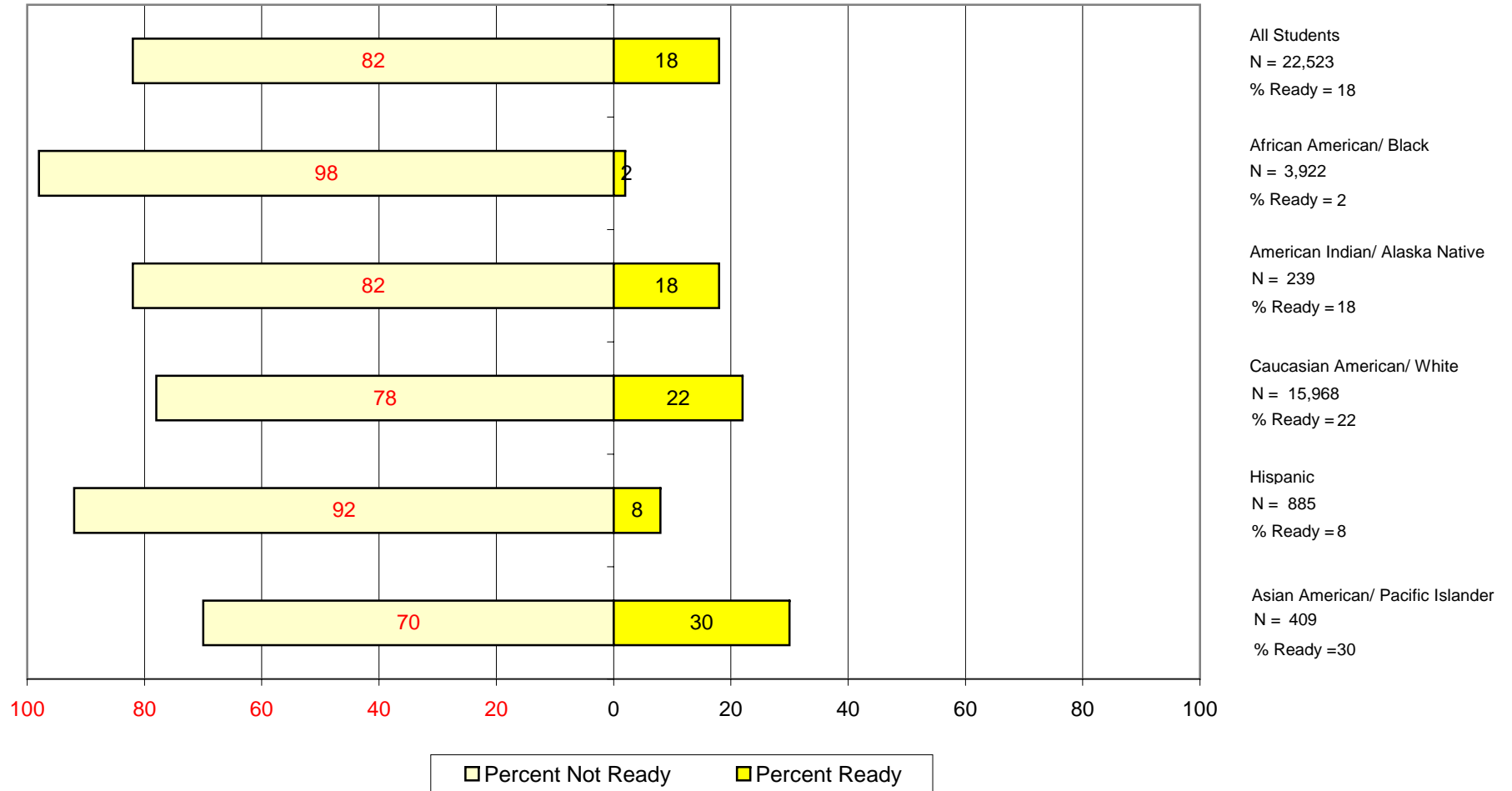
Total Students in Report: 22,523

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



Total Students in Report: 22,523

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



Total Students in Report: 22,523

**Table 3.1. Average ACT Scores and Average ACT 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	4,213	19	22.1	4.1	1,879	18	21.9	4.2	2,328	19	22.3	3.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	16,794	75	20.3	2.3	7,737	75	20.1	2.4	9,036	74	20.6	2.2
Less than 4 years of English	626	3	18.0	-	311	3	17.7	-	311	3	18.4	-
No English course/grade information reported	890	4	19.2	-	421	4	18.3	-	456	4	20.0	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,308	6	23.4	7.2	627	6	24.6	8.3	680	6	22.4	6.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,309	10	22.0	5.8	918	9	22.7	6.4	1,385	11	21.6	5.6
Alg 1, Alg 2, Geom, & Trig	1,511	7	20.2	4.0	696	7	20.8	4.5	812	7	19.6	3.6
Alg 1, Alg 2, Geom, & Other Adv Math	6,211	28	19.0	2.8	2,494	24	19.5	3.2	3,710	31	18.7	2.7
Other comb of 4 or more years of Math	5,728	25	22.5	6.3	2,947	28	23.1	6.8	2,775	23	21.8	5.8
Alg 1, Alg 2, & Geom (Min. Core)	2,808	12	17.0	0.8	1,339	13	17.3	1.0	1,464	12	16.7	0.7
Other comb of 3 or 3.5 years of Math	647	3	18.7	2.5	352	3	19.1	2.8	293	2	18.3	2.3
Less than 3 years of Math	1,083	5	16.2	-	539	5	16.3	-	543	4	16.0	-
No Math course/grade information reported	918	4	18.7	-	436	4	18.7	-	469	4	18.7	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,403	6	22.5	4.1	704	7	22.6	4.2	697	6	22.5	4.1
Other comb of 4 or more years Social Science	8,436	37	22.0	3.6	3,892	38	22.1	3.7	4,533	37	21.9	3.5
US Hist, World Hist, & Am Gov (Min. Core)	4,729	21	20.2	1.8	2,213	21	20.3	1.9	2,508	21	20.2	1.8
Other comb of 3 or 3.5 years of Social Science	5,808	26	20.8	2.4	2,527	24	20.9	2.5	3,274	27	20.7	2.3
Less than 3 years of Social Science	1,235	5	18.4	-	582	6	18.4	-	650	5	18.4	-
No Soc Sci course/grade information reported	912	4	19.2	-	430	4	18.6	-	469	4	19.7	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	7,237	32	21.6	4.4	3,747	36	22.4	4.9	3,477	29	20.8	3.8
Bio, Chem, Phys	551	2	20.3	3.1	238	2	21.1	3.6	313	3	19.7	2.7
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	9,670	43	20.4	3.2	3,893	38	20.7	3.2	5,765	48	20.1	3.1
Other comb of 3 years of Natural Science	1,064	5	19.5	2.3	550	5	20.0	2.5	511	4	18.9	1.9
Less than 3 years of Natural Science	3,084	14	17.2	-	1,486	14	17.5	-	1,596	13	17.0	-
No Nat Sci course/grade information reported	917	4	19.0	-	434	4	18.8	-	469	4	19.1	-

<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.

Total Students in Report: 22,523

**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	4,213	19	22.1	77	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	16,794	75	20.3	66	1,029,431	70	20.6	68
Less than 4 years of English	626	3	18.0	51	74,090	5	16.7	42
No English course/grade information reported	890	4	19.2	58	38,830	3	16.1	37
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,308	6	23.4	63	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,309	10	22.0	54	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	1,511	7	20.2	37	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	6,211	28	19.0	25	220,868	15	20.1	36
Other comb of 4 or more years of Math	5,728	25	22.5	55	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	2,808	12	17.0	8	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	647	3	18.7	23	70,732	5	20.1	35
Less than 3 years of Math	1,083	5	16.2	5	105,591	7	16.5	7
No Math course/grade information reported	918	4	18.7	26	40,565	3	17.7	18
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,403	6	22.5	60	46,754	3	22.8	61
Other comb of 4 or more years Social Science	8,436	37	22.0	57	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	4,729	21	20.2	44	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	5,808	26	20.8	48	420,236	28	21.3	52
Less than 3 years of Social Science	1,235	5	18.4	31	152,775	10	19.7	40
No Soc Sci course/grade information reported	912	4	19.2	38	40,525	3	17.5	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	7,237	32	21.6	34	563,824	38	22.2	39
Bio, Chem, Phys	551	2	20.3	28	141,531	10	23.3	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	9,670	43	20.4	22	459,833	31	20.1	21
Other comb of 3 years of Natural Science	1,064	5	19.5	19	41,353	3	19.8	21
Less than 3 years of Natural Science	3,084	14	17.2	6	233,215	16	18.4	11
No Nat Sci course/grade information reported	917	4	19.0	15	40,713	3	17.7	11

<sup>1</sup>Includes General, Physical and Earth Sciences.



# Section IV

## Career and Educational Aspirations

Total Students in Report: 22,523

**Table 4.1. Distribution of Planned Educational Majors for All Students 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	654	3	18.6	97	6	16.3	514	3	19.1
Architecture & Environmental Design	452	2	21.4	20	1	15.6	413	2	21.8
Business & Management	1,861	8	20.3	91	6	17.4	1,673	9	20.5
Business & Office	187	1	19.1	32	2	17.7	143	1	19.6
Marketing & Distribution	154	1	20.2	8	1	16.1	138	1	20.5
Communications & Comm. Technologies	384	2	20.8	19	1	16.9	352	2	21.0
Community & Personal Services	532	2	18.6	86	5	16.5	408	2	19.2
Computer & Information Sciences	625	3	20.9	55	3	18.0	531	3	21.3
Cross-Disciplinary Studies	19	0	23.0	1	0	13.0	18	0	23.6
Education	861	4	20.3	41	3	17.1	772	4	20.6
Teacher Education	917	4	19.8	30	2	16.6	850	4	20.0
Engineering	852	4	21.8	68	4	16.1	744	4	22.4
Engineering-Related Technologies	516	2	21.6	47	3	16.6	437	2	22.3
Foreign Languages	103	0	22.7	4	0	16.0	92	0	23.2
Health Sciences & Allied Health Fields	5,173	23	20.6	360	23	17.1	4,612	24	20.9
Human, Family & Consumer Science	307	1	18.5	54	3	15.7	225	1	19.2
Letters	131	1	24.5	7	0	21.0	116	1	24.8
Mathematics	159	1	22.5	3	0	19.7	146	1	22.7
Philosophy, Religion & Theology	174	1	22.6	5	0	23.2	155	1	22.8
Sciences (Biological & Physical)	962	4	23.4	14	1	18.6	911	5	23.5
Social Sciences	1,212	5	21.9	19	1	17.5	1,140	6	22.0
Trade & Industrial	274	1	18.0	142	9	17.2	110	1	19.1
Visual & Performing Arts	1,421	6	21.0	93	6	17.8	1,235	7	21.3
Undecided	3,557	16	20.8	261	16	16.5	2,985	16	21.3
No Response	1,036	5	17.8	37	2	14.6	172	1	17.8

<sup>1</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N count for All Students.

<sup>2</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 22,523

**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 American/ Black		American Indian/ Alaska Native		Caucasian American/White		Hispanic		Asian American/ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	311	16.4	66	14.2	5	16.6	213	17.1	14	15.5	3	18.7	10	15.7
2-yr College Degree	1,283	17.0	305	14.6	12	18.5	806	18.0	96	16.1	15	18.0	49	17.2
Bachelors Degree	9,705	19.9	1,588	16.3	90	19.8	7,231	20.7	326	18.4	138	20.0	332	20.7
Graduate Study	2,899	22.8	343	18.1	32	23.5	2,278	23.5	80	20.8	47	22.7	119	22.6
Prof. Level Degree	6,288	22.3	1,190	18.1	77	22.3	4,268	23.5	283	20.3	169	24.3	301	22.7
Other	743	17.9	191	15.2	14	19.1	447	19.0	31	16.7	20	18.8	40	19.0
No Response	1,294	19.2	239	15.2	9	19.9	725	20.3	55	16.8	17	21.5	249	20.1

Total Students in Report: 22,523

**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 ARKANSAS	Arkansas	7,018	2,840	4,178	1	7	23	30	24	14	1
UNIVERSITY OF CENTRAL ARKANSAS	Arkansas	6,811	1,978	4,833	1	11	28	29	21	9	1
ARKANSAS STATE UNIVERSITY	Arkansas	4,396	1,720	2,676	2	14	32	29	17	7	0
ARKANSAS TECH UNIVERSITY	Arkansas	3,491	1,189	2,302	1	9	27	32	23	8	0
UNIVERSITY OF ARKANSAS AT LITTLE ROCK	Arkansas	2,684	658	2,026	3	16	32	28	15	6	0
HENDERSON STATE UNIVERSITY	Arkansas	1,923	629	1,294	2	13	32	29	17	6	0
UNIV OF ARKANSAS-FORT SMITH	Arkansas	1,614	604	1,010	1	10	31	32	20	6	0
SOUTHERN ARKANSAS UNIVERSITY	Arkansas	1,083	344	739	3	18	35	27	13	3	0
HENDRIX COLLEGE	Arkansas	969	204	765	1	4	18	23	26	26	2
ARKANSAS STATE UNIVERSITY-BEEBE	Arkansas	958	413	545	3	13	36	32	14	2	0
UNIV OF ARKANSAS AT PINE BLUFF	Arkansas	913	268	645	7	35	42	12	4	0	0
UNIV OF ARKANSAS AT MONTICELLO	Arkansas	908	344	564	5	19	38	25	12	2	0
OUACHITA BAPTIST UNIVERSITY	Arkansas	832	158	674	1	10	24	28	24	12	1
HARDING UNIVERSITY	Arkansas	831	276	555	1	6	23	28	26	14	2
PULASKI TECHNICAL COLLEGE	Arkansas	717	230	487	6	27	38	22	6	1	0
NORTHWEST ARKANSAS COMMUNITY COLLEGE	Arkansas	622	260	362	0	11	37	36	13	4	0
LYON COLLEGE	Arkansas	559	125	434	0	4	17	30	32	17	1
NCAA ELIGIBILITY CENTER	Indiana	556	238	318	1	13	30	29	17	7	1
UNIV OF ARKANSAS COMM COLL-MORRILTON	Arkansas	529	190	339	3	17	37	28	13	2	0
WILLIAMS BAPTIST COLLEGE	Arkansas	467	101	366	1	9	34	28	20	7	0
UNIVERSITY OF THE OZARKS	Arkansas	466	65	401	2	10	32	32	18	6	0
UNIV OF ARKANSAS FOR MEDICAL SCIENCES	Arkansas	407	43	364	1	11	29	30	21	7	0
JOHN BROWN UNIVERSITY	Arkansas	344	72	272	0	4	22	31	23	19	1
CENTRAL BAPTIST COLLEGE	Arkansas	326	62	264	2	12	36	30	17	3	0
UNIVERSITY OF MEMPHIS	Tennessee	326	67	259	2	17	34	27	14	6	0
NORTH ARKANSAS COLLEGE	Arkansas	316	140	176	0	14	35	36	12	2	0
BLACK RIVER TECHNICAL COLLEGE	Arkansas	300	112	188	2	18	44	30	6	1	0
COLLEGE OF THE OZARKS	Missouri	288	96	192	1	8	33	34	20	5	0
ARKANSAS STATE UNIVERSITY-MOUNTAIN HOME	Arkansas	287	102	185	1	9	32	35	17	5	0
MISSOURI STATE UNIVERSITY	Missouri	274	62	212	1	3	18	33	26	18	1
All Other Institutions		16,579	3,938	12,641	2	14	26	24	17	14	2
<b>Total</b>		<b>57,794</b>	<b>17,528</b>	<b>40,266</b>	<b>2</b>	<b>12</b>	<b>28</b>	<b>28</b>	<b>19</b>	<b>10</b>	<b>1</b>

# Section V Optional Writing Test Results

Total Students in Report: 22,523

**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
<b>All Students</b>	<b>2,672</b>	<b>814,713</b>	<b>23.1</b>	<b>21.5</b>	<b>6.9</b>	<b>7.2</b>	<b>21.7</b>	<b>20.8</b>
African American/Black	396	96,225	17.6	16.5	6.3	6.4	17.2	16.5
American Indian/Alaska Native	34	5,489	23.8	18.9	7.2	6.7	22.7	18.5
Caucasian American/White	1,804	497,164	24.5	22.8	7.0	7.3	22.8	21.9
Hispanic	139	85,681	19.0	18.4	6.8	7.0	18.6	18.4
Asian American/Pacific Islander	95	44,716	24.2	23.5	7.3	7.6	22.9	22.8
Other/No Response	204	85,438	23.5	21.4	7.0	7.2	22.1	20.8
Males	1,158	357,025	23.2	21.1	6.7	6.9	21.6	20.3
Females	1,509	455,190	23.0	21.7	7.1	7.4	21.8	21.2
Missing	5	2,498	19.0	22.1	5.8	7.2	17.6	21.3



