

ACT High School Profile Report

The Graduating Class of 2008
Arkansas



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This report provides information about the performance of your 2008 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 2008 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, 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

17% of 2008 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. 22,545 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. 72% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES. Table 3.2 reports 6% of the cohort took less than three years of math courses. Of these students, 5% were college ready. 16% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 9% of these students were college ready. In comparison, 43% 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 2.6 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.

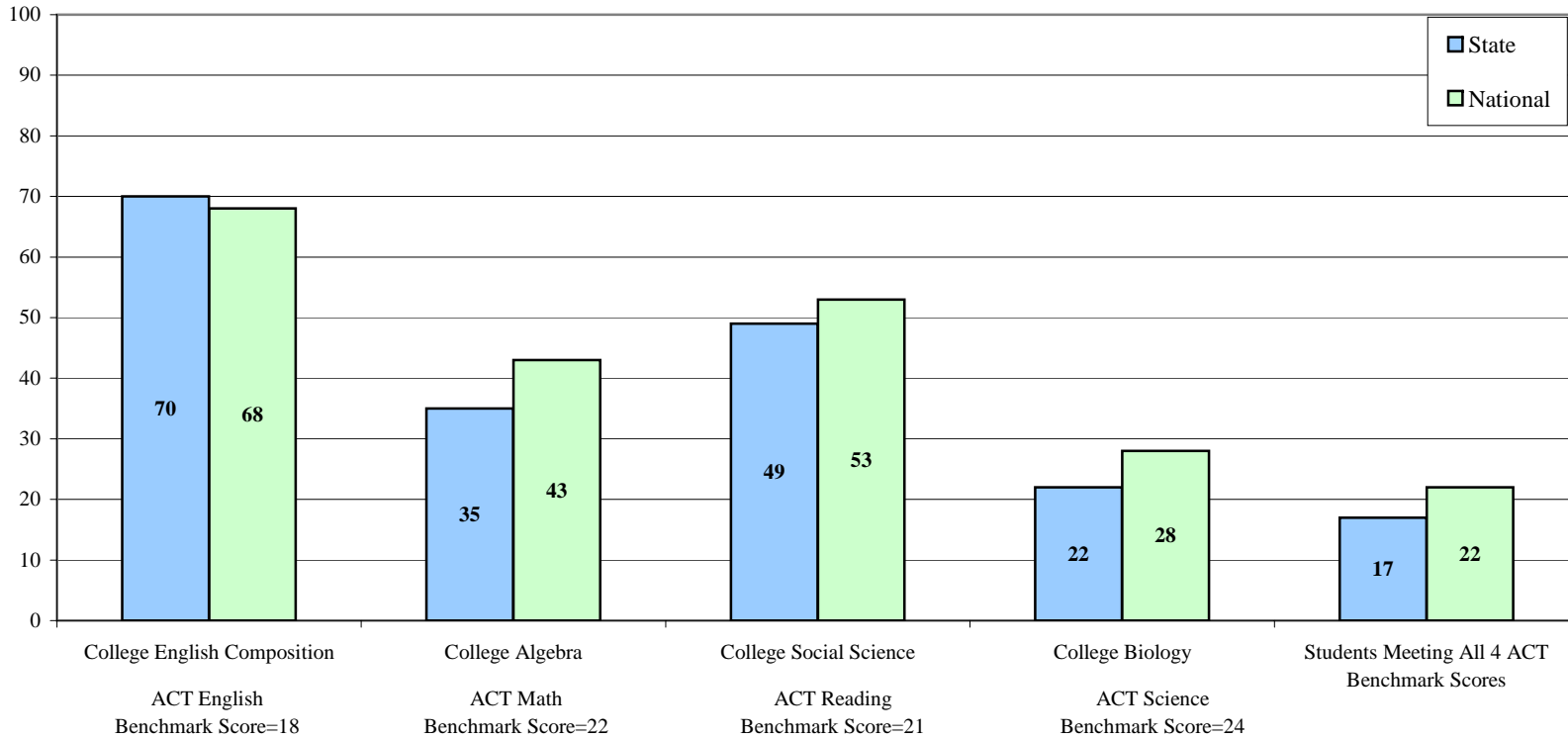
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 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
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
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

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
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
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2008	1,421,941	20.6	21.0	21.4	20.8	21.1

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

Grad Year	Number of Students Tested		Percent ¹		Average ACT Scores									
	Core or More	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
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
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

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

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	20,489	100	20.4	21,000	100	20.3	21,005	100	20.6	21,403	100	20.5	22,545	100	20.6
African American/Black	3,238	16	16.7	3,444	16	16.7	3,297	16	16.9	3,464	16	16.7	3,722	17	17.0
American Indian/Alaska Native	236	1	19.9	200	1	20.1	230	1	20.2	213	1	20.5	240	1	21.1
Caucasian American/White	15,075	74	21.2	15,221	72	21.2	15,068	72	21.5	14,775	69	21.4	15,982	71	21.5
Hispanic	413	2	18.6	529	3	18.6	579	3	18.9	624	3	18.8	768	3	19.1
Asian American/Pacific Islander	325	2	20.9	359	2	21.4	355	2	21.0	392	2	21.1	450	2	21.9
Other/No Response	1,202	6	20.8	1,247	6	20.5	1,476	7	20.6	1,935	9	21.0	1,383	6	21.0

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	44	100	23	100	132	100	36	100	2	100	36
35	248	100	44	100	168	99	61	100	29	100	35
34	244	99	79	100	260	99	93	100	63	100	34
33	236	98	134	99	361	98	129	99	109	100	33
32	289	97	141	99	373	96	139	99	223	99	32
31	314	95	140	98	551	94	98	98	246	98	31
30	563	94	246	98	632	92	222	98	383	97	30
29	513	91	303	96	592	89	267	97	411	95	29
28	655	89	580	95	614	86	351	95	637	93	28
27	564	86	664	93	748	84	570	94	719	91	27
26	922	84	820	90	730	80	659	91	875	87	26
25	1,129	80	1,088	86	843	77	1,216	88	1,013	84	25
24	1,082	75	1,201	81	1,229	73	1,179	83	1,234	79	24
23	1,137	70	1,168	76	1,338	68	1,487	78	1,352	74	23
22	1,556	65	1,190	71	1,171	62	2,038	71	1,585	68	22
21	1,834	58	1,403	65	1,361	57	1,629	62	1,766	61	21
20	1,748	50	1,332	59	1,554	51	2,515	55	1,943	53	20
19	1,397	42	1,689	53	1,712	44	2,170	44	1,942	44	19
18	1,232	36	2,005	46	1,044	36	1,833	34	1,792	36	18
17	1,127	30	2,259	37	1,226	32	1,162	26	1,604	28	17
16	1,101	25	2,688	27	1,379	26	1,480	21	1,402	20	16
15	1,196	20	2,013	15	1,275	20	766	14	1,239	14	15
14	868	15	954	6	1,084	14	721	11	919	9	14
13	675	11	249	2	934	10	579	8	652	5	13
12	478	8	96	1	588	5	528	5	286	2	12
11	468	6	18	1	346	3	332	3	96	1	11
10	461	4	14	1	194	1	170	1	20	1	10
9	233	2	4	1	60	1	83	1	2	1	9
8	148	1	0	1	17	1	26	1	1	1	8
7	60	1	0	1	19	1	3	1	0	1	7
6	18	1	0	1	5	1	1	1	0	1	6
5	3	1	0	1	3	1	2	1	0	1	5
4	2	1	0	1	1	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	20.7 (5.9)		20.1 (4.6)		21.0 (6.0)		20.3 (4.7)		20.6 (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	603	100	163	100	542	100	651	100	582	100	65	100	76	100	18
17	818	97	500	99	724	98	909	97	590	97	183	100	43	100	17
16	889	94	1,177	97	1,020	94	1,556	93	849	95	253	99	543	99	16
15	908	90	1,558	92	1,149	90	1,431	86	986	91	422	98	577	97	15
14	1,404	86	1,340	85	1,189	85	1,662	80	1,220	87	1,451	96	1,559	95	14
13	1,447	79	1,643	79	1,616	79	975	72	1,713	81	1,423	89	1,420	88	13
12	1,533	73	2,893	72	1,708	72	1,983	68	2,100	74	2,154	83	2,449	81	12
11	2,243	66	2,372	59	2,497	65	2,243	59	2,294	64	3,068	74	2,639	70	11
10	2,650	56	3,218	48	2,329	54	2,277	49	2,506	54	4,473	60	3,709	59	10
9	2,421	45	2,102	34	2,883	43	1,873	39	2,005	43	3,363	40	3,515	42	9
8	2,137	34	2,233	25	2,656	31	1,882	31	3,244	34	2,682	25	2,306	27	8
7	1,670	24	1,318	15	1,895	19	1,494	23	2,644	20	857	13	1,432	16	7
6	1,446	17	849	9	1,135	10	1,360	16	1,269	8	1,030	10	713	10	6
5	1,072	11	606	5	636	5	1,426	10	338	2	639	5	852	7	5
4	875	6	414	3	351	3	542	4	140	1	226	2	222	3	4
3	320	2	134	1	140	1	193	1	51	1	183	1	362	2	3
2	101	1	21	1	63	1	87	1	13	1	25	1	67	1	2
1	8	1	4	1	12	1	1	1	1	1	48	1	61	1	1
Avg (SD)	10.2 (3.7)		10.8 (3.2)		10.5 (3.4)		10.7 (3.8)		10.5 (3.2)		10.0 (2.6)		10.0 (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)	25	23	25	23	24
Q2 (50th Percentile)	21	19	20	20	20
Q1 (25th Percentile)	16	16	16	17	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	22,545	72	21.4	18.2
	African Am./Black	3,722	64	17.7	15.6
	Am. Indian/Alaska Native	240	73	22.0	18.7
	Caucasian Am./White	15,982	75	22.2	19.0
	Hispanic	768	74	19.7	17.5
	Asian Am./Pacific Islander	450	81	22.3	20.1
	Other/No Response	1,383	55	21.8	19.0
National	All Students	1,421,941	61	22.0	19.5
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.7	20.1	21.0	20.3	20.6
	African Am./Black	16.5	16.8	16.8	17.3	17.0
	Am. Indian/Alaska Native	20.9	20.5	21.9	20.8	21.1
	Caucasian Am./White	21.7	20.8	22.0	21.0	21.5
	Hispanic	18.5	19.2	19.4	18.9	19.1
	Asian Am./Pacific Islander	21.6	22.3	21.7	21.5	21.9
	Other/No Response	21.0	20.5	21.4	20.4	21.0
National	All Students	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

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	772	3	280	1	921	4	319	1
	28 to 32	2,334	10	1,410	6	2,762	12	1,077	5
	24 to 27	3,697	16	3,773	17	3,550	16	3,624	16
	20 to 23	6,275	28	5,093	23	5,424	24	7,669	34
	16 to 19	4,857	22	8,641	38	5,361	24	6,645	29
	13 to 15	2,739	12	3,216	14	3,293	15	2,066	9
	01 to 12	1,871	8	132	1	1,234	5	1,145	5
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	9,974	44	20.2	20.7	20.9	20.7	20.8
	Females	12,395	55	21.0	19.6	21.1	19.9	20.5
	Missing	176	1	20.4	20.1	21.0	20.1	20.5
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

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	66	40	48	27	21
	Females	73	31	50	19	14
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum

Student Group	Curriculum Taken ²	N	English		Mathematics		Reading		Science		Composite ¹	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	16,307	76	21.6	40	20.8	55	21.8	26	21.0	21	21.4
	Non-Core	4,840	49	17.7	17	17.8	32	18.6	10	18.2	7	18.2
	Missing	1,398	62	19.7	30	19.3	40	19.7	18	19.4	14	19.6
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

¹% under Composite heading reflects the percent of students who meet all four benchmarks

²"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core	20,455	70	20.8	19,815	37	20.4	19,823	51	21.2	18,091	25	20.8
	Non-Core	853	60	18.9	1,394	5	16.2	1,416	37	19.3	3,147	7	17.6
	Missing	1,237	66	20.3	1,336	31	19.4	1,306	42	20.0	1,307	19	19.6
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

¹"Curriculum Taken" reflects content-specific curriculum.

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

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

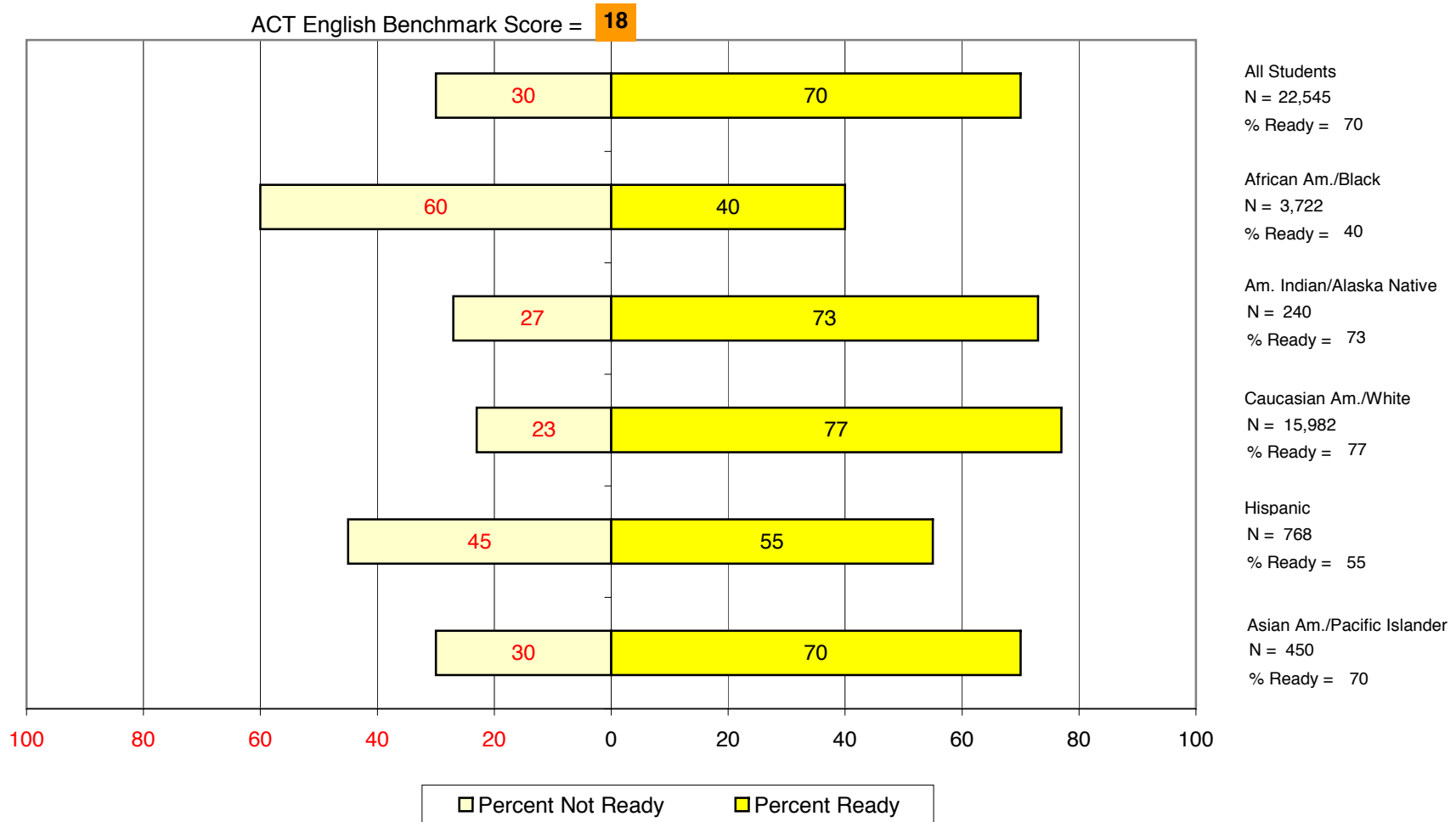


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

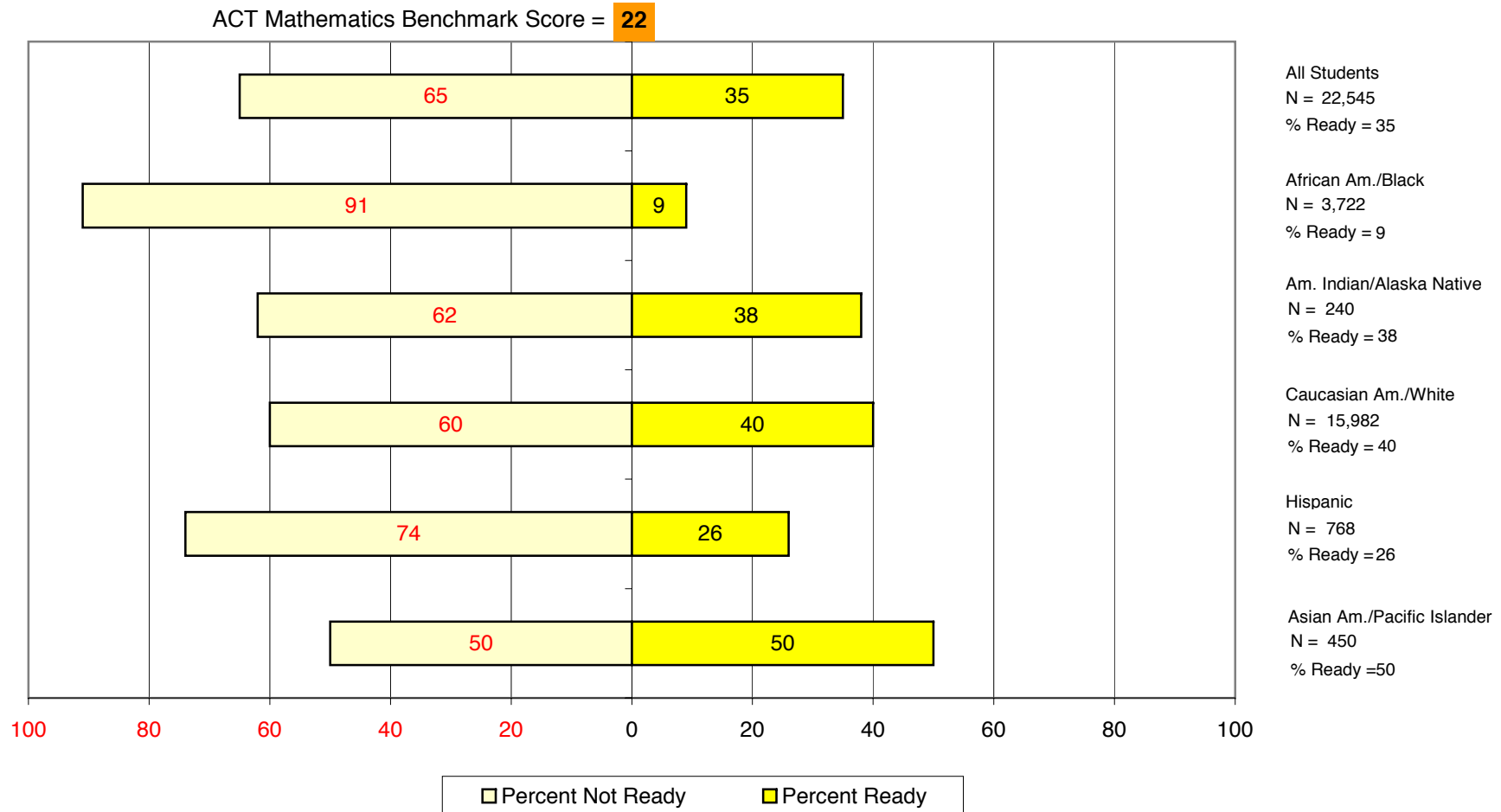


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

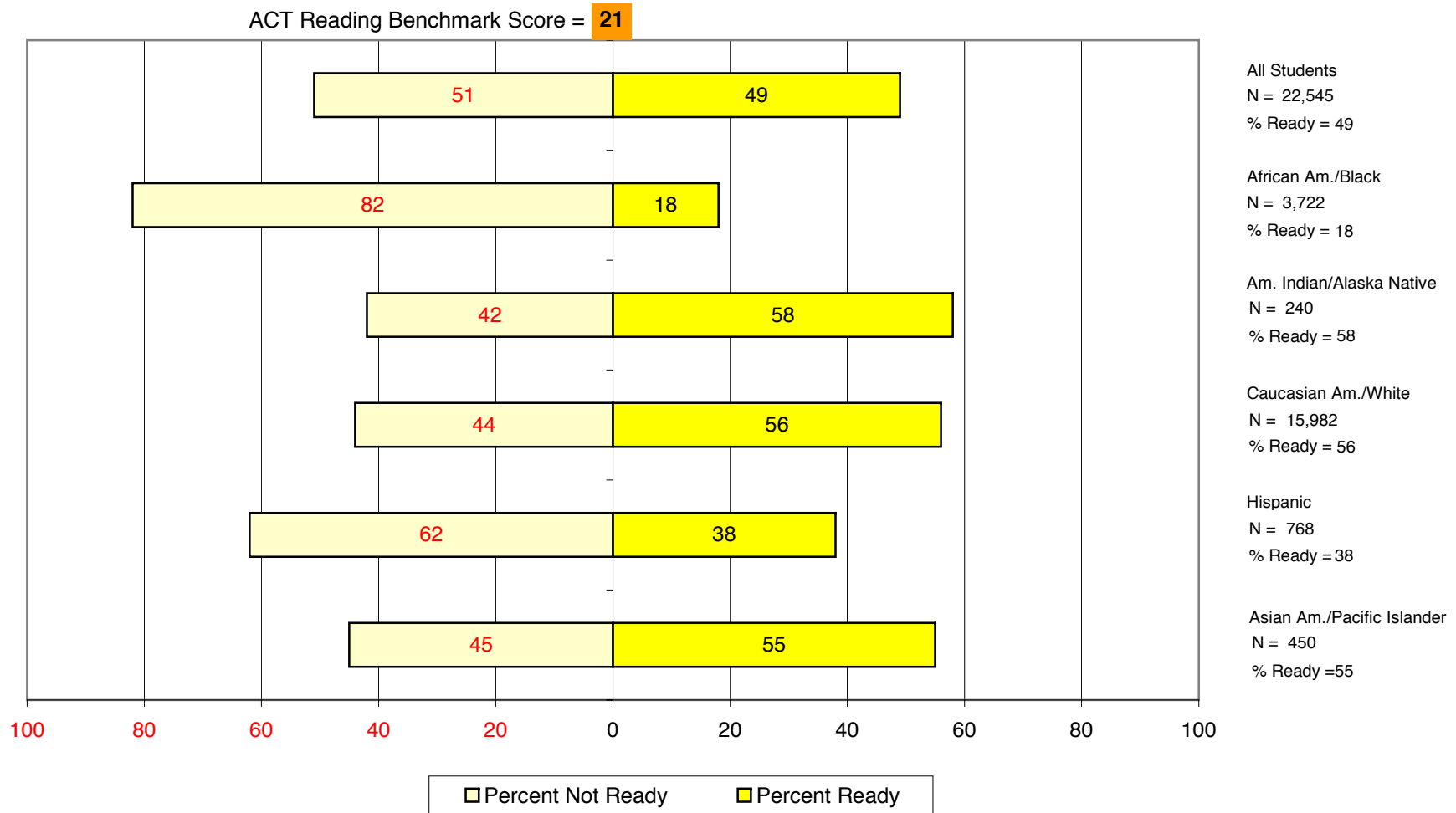


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

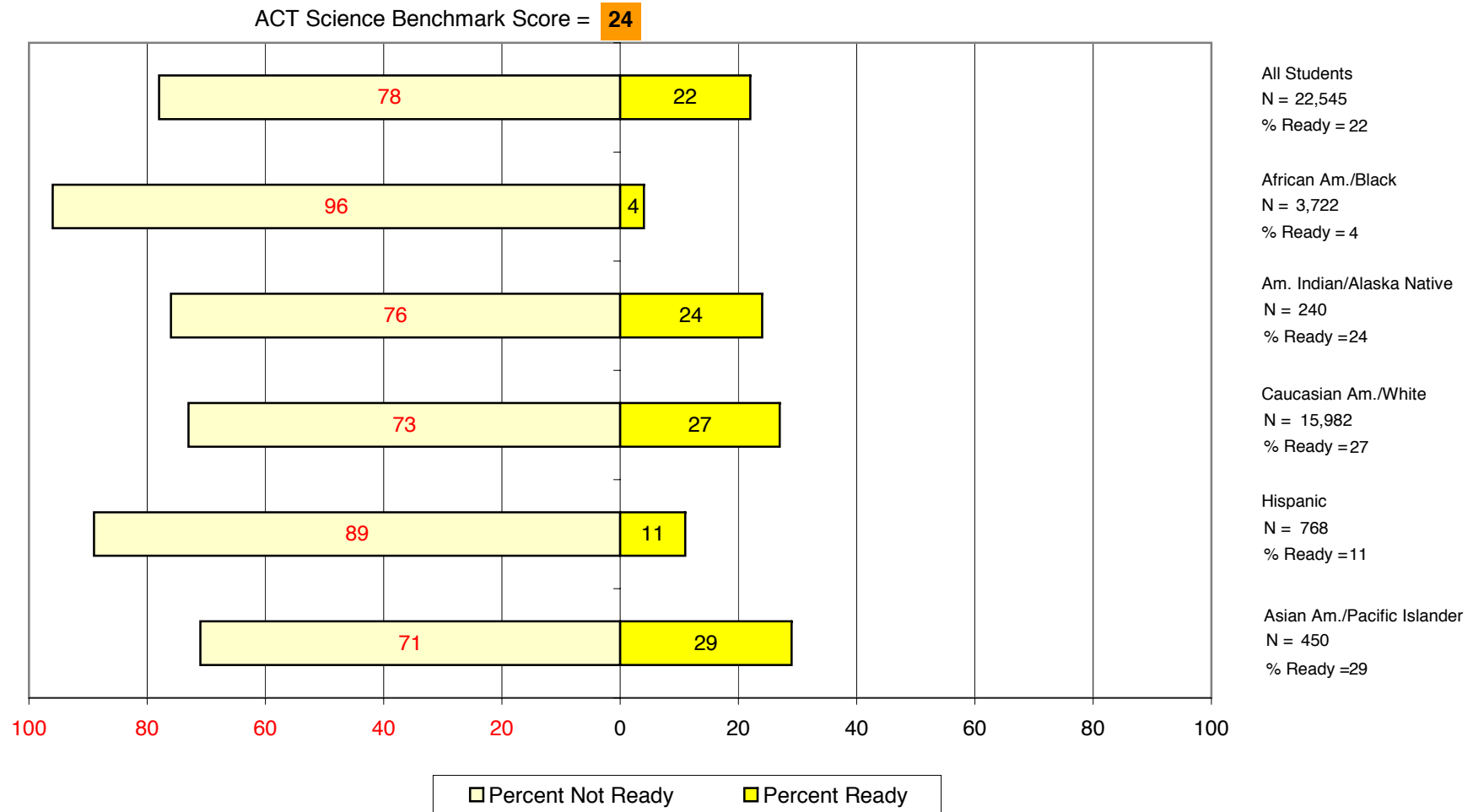


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

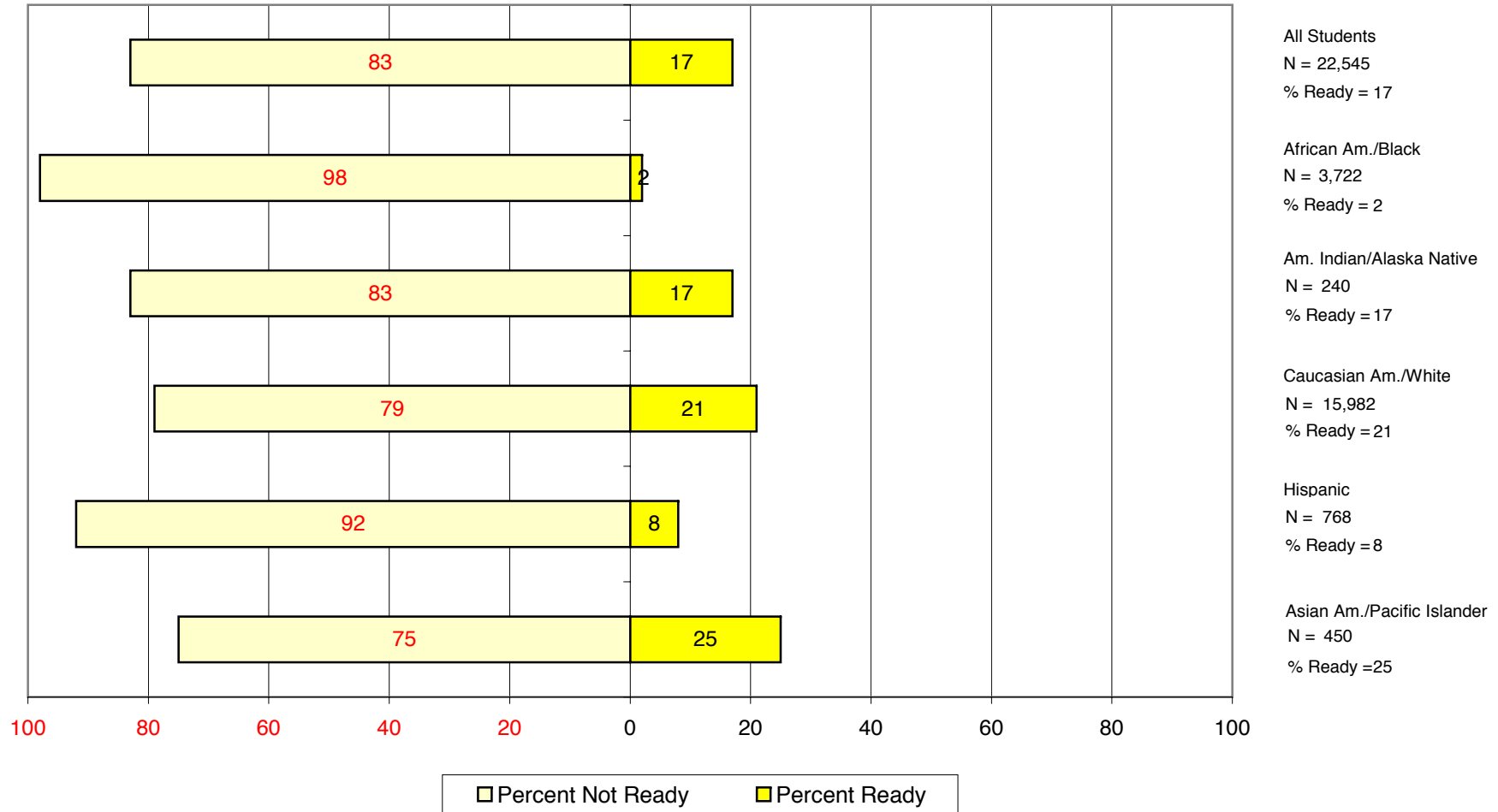


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	3,545	16	22.2	3.3	1,475	15	21.4	3.1	2,059	17	22.6	3.3
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	16,910	75	20.5	1.6	7,543	76	20.1	1.8	9,280	75	20.8	1.5
Less than 4 years of English	857	4	18.9	-	373	4	18.3	-	467	4	19.3	-
No English course/grade information reported	1,233	5	20.3	-	583	6	19.8	-	589	5	20.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,424	6	23.7	7.5	637	6	24.9	8.5	779	6	22.8	6.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,245	10	22.2	6.0	806	8	22.9	6.5	1,433	12	21.8	5.7
Alg 1, Alg 2, Geom, & Trig	1,840	8	20.4	4.2	796	8	21.2	4.8	1,032	8	19.8	3.7
Alg 1, Alg 2, Geom, & Other Adv Math	5,496	24	19.2	3.0	2,061	21	19.7	3.3	3,413	28	19.0	2.9
Other comb of 4 or more years of Math	4,597	20	22.6	6.4	2,347	24	23.4	7.0	2,227	18	21.8	5.7
Alg 1, Alg 2, & Geom (Min. Core)	3,583	16	17.2	1.0	1,701	17	17.6	1.2	1,855	15	16.9	0.8
Other comb of 3 or 3.5 years of Math	630	3	19.0	2.8	325	3	19.5	3.1	302	2	18.4	2.3
Less than 3 years of Math	1,457	6	16.2	-	695	7	16.4	-	750	6	16.1	-
No Math course/grade information reported	1,273	6	19.6	-	606	6	19.7	-	604	5	19.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,534	7	22.2	2.9	749	8	21.6	2.6	782	6	22.8	3.4
Other comb of 4 or more years Social Science	7,537	33	21.9	2.6	3,282	33	21.7	2.7	4,212	34	22.0	2.6
US Hist, World Hist, & Am Gov (Min. Core)	4,807	21	20.3	1.0	2,226	22	20.4	1.4	2,562	21	20.2	0.8
Other comb of 3 or 3.5 years of Social Science	5,945	26	20.9	1.6	2,402	24	20.8	1.8	3,512	28	20.9	1.5
Less than 3 years of Social Science	1,451	6	19.3	-	711	7	19.0	-	723	6	19.4	-
No Soc Sci course/grade information reported	1,271	6	20.1	-	604	6	19.9	-	604	5	20.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	6,614	29	21.7	4.1	3,194	32	22.5	4.7	3,382	27	21.0	3.6
Bio, Chem, Phys	603	3	20.9	3.3	260	3	21.2	3.4	336	3	20.7	3.3
Gen Sci ² , Bio, Chem (Min. Core)	9,907	44	20.2	2.6	3,851	39	20.6	2.8	6,010	48	20.0	2.6
Other comb of 3 years of Natural Science	967	4	19.6	2.0	507	5	20.5	2.7	459	4	18.5	1.1
Less than 3 years of Natural Science	3,187	14	17.6	-	1,562	16	17.8	-	1,604	13	17.4	-
No Nat Sci course/grade information reported	1,267	6	19.7	-	600	6	19.9	-	604	5	19.5	-

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	3,545	16	22.2	78	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	16,910	75	20.5	69	949,721	67	20.5	68
Less than 4 years of English	857	4	18.9	60	112,496	8	18.8	56
No English course/grade information reported	1,233	5	20.3	66	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,424	6	23.7	65	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,245	10	22.2	56	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	1,840	8	20.4	38	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	5,496	24	19.2	25	204,909	14	20.4	38
Other comb of 4 or more years of Math	4,597	20	22.6	56	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	3,583	16	17.2	9	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	630	3	19.0	25	70,951	5	20.8	41
Less than 3 years of Math	1,457	6	16.2	5	131,252	9	17.4	14
No Math course/grade information reported	1,273	6	19.6	32	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,534	7	22.2	57	42,546	3	22.7	61
Other comb of 4 or more years Social Science	7,537	33	21.9	56	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	4,807	21	20.3	44	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	5,945	26	20.9	48	404,731	28	21.3	52
Less than 3 years of Social Science	1,451	6	19.3	37	185,561	13	20.4	45
No Soc Sci course/grade information reported	1,271	6	20.1	42	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	6,614	29	21.7	33	453,654	32	22.2	38
Bio, Chem, Phys	603	3	20.9	27	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	9,907	44	20.2	20	435,183	31	20.1	20
Other comb of 3 years of Natural Science	967	4	19.6	18	40,179	3	20.1	22
Less than 3 years of Natural Science	3,187	14	17.6	7	259,142	18	18.7	13
No Nat Sci course/grade information reported	1,267	6	19.7	19	99,750	7	20.6	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	615	3	18.5	70	5	17.5	503	3	18.8
Architecture & Environmental Design	399	2	20.6	17	1	18.4	354	2	20.9
Business & Management	1,897	8	20.4	115	8	17.4	1,663	9	20.7
Business & Office	173	1	19.1	29	2	17.8	128	1	19.5
Marketing & Distribution	163	1	20.0	11	1	15.3	140	1	20.4
Communications & Comm. Technologies	476	2	21.1	21	1	17.1	428	2	21.5
Community & Personal Services	565	3	18.3	81	5	16.1	457	2	18.7
Computer & Information Sciences	604	3	20.9	61	4	18.0	509	3	21.3
Cross-Disciplinary Studies	13	0	23.8	0	0	.	12	0	24.0
Education	942	4	20.4	33	2	16.2	855	5	20.6
Teacher Education	852	4	19.8	28	2	16.6	772	4	20.0
Engineering	821	4	22.1	60	4	15.9	726	4	22.8
Engineering-Related Technologies	449	2	21.8	39	3	17.0	380	2	22.3
Foreign Languages	80	0	23.2	3	0	16.0	73	0	23.6
Health Sciences & Allied Health Fields	5,070	22	20.5	346	23	17.0	4,483	24	20.9
Human, Family & Consumer Science	268	1	18.4	43	3	17.2	201	1	18.9
Letters	150	1	24.4	6	0	18.5	139	1	24.8
Mathematics	129	1	23.9	3	0	19.3	115	1	24.1
Philosophy, Religion & Theology	190	1	22.9	6	0	19.8	170	1	23.3
Sciences (Biological & Physical)	882	4	22.9	13	1	16.4	832	5	23.1
Social Sciences	1,148	5	22.0	18	1	17.3	1,081	6	22.1
Trade & Industrial	285	1	17.9	149	10	16.9	120	1	19.1
Visual & Performing Arts	1,292	6	20.8	87	6	17.0	1,112	6	21.3
Undecided	3,257	14	20.7	231	15	16.5	2,722	15	21.1
No Response	1,825	8	19.8	46	3	16.5	443	2	20.2

¹2-Year and 4-Year N's do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N for *All Students*.

²Percent of students tested.

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African-Am./ Black		Am. Indian/ 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	325	16.6	54	15.0	6	17.0	238	17.0	14	15.1	3	15.7	10	18.1
2-yr College Degree	1,191	17.0	258	14.7	12	18.3	789	17.8	63	16.3	14	15.9	55	17.3
Bachelors Degree	9,326	19.9	1,460	16.4	97	20.8	6,953	20.6	299	18.5	155	19.4	362	20.1
Graduate Study	2,888	22.6	373	18.2	28	22.6	2,224	23.3	72	21.2	49	23.6	142	22.3
Prof. Level Degree	6,204	22.2	1,135	18.3	75	22.1	4,220	23.3	233	20.8	194	23.8	347	22.0
Other	770	18.1	198	15.7	5	17.8	482	19.1	38	16.8	6	21.3	41	19.3
No Response	1,841	20.3	244	15.8	17	21.1	1,076	21.0	49	18.3	29	23.4	426	21.0

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	7,494	2,926	4,568	1	7	24	33	23	12	1
UNIVERSITY OF CENTRAL ARKANSAS	Arkansas	7,085	2,032	5,053	1	10	29	31	20	8	1
ARKANSAS STATE UNIVERSITY	Arkansas	4,314	1,690	2,624	2	14	33	30	17	5	0
ARKANSAS TECH UNIVERSITY	Arkansas	3,686	1,235	2,451	1	9	28	33	21	7	1
UNIVERSITY OF ARKANSAS AT LITTLE ROCK	Arkansas	2,878	655	2,223	2	14	34	29	16	5	0
HENDERSON STATE UNIVERSITY	Arkansas	2,116	668	1,448	2	13	34	29	16	5	0
UNIV OF ARKANSAS-FORT SMITH	Arkansas	1,724	651	1,073	1	9	32	35	18	6	0
HENDRIX COLLEGE	Arkansas	1,131	231	900	0	5	17	27	28	20	2
SOUTHERN ARKANSAS UNIVERSITY	Arkansas	1,110	390	720	2	17	36	29	12	3	0
UNIV OF ARKANSAS AT PINE BLUFF	Arkansas	977	327	650	6	33	44	14	2	0	0
ARKANSAS STATE UNIVERSITY-BEEBE	Arkansas	975	454	521	2	12	38	33	13	3	0
UNIV OF ARKANSAS AT MONTICELLO	Arkansas	957	357	600	4	18	39	27	11	2	0
OUACHITA BAPTIST UNIVERSITY	Arkansas	954	236	718	1	9	28	29	20	11	2
HARDING UNIVERSITY	Arkansas	855	255	600	1	6	25	32	23	12	1
PULASKI TECHNICAL COLLEGE	Arkansas	701	209	492	4	25	42	20	8	1	0
NORTHWEST ARKANSAS COMMUNITY COLLEGE	Arkansas	643	223	420	1	10	38	37	12	2	0
LYON COLLEGE	Arkansas	581	114	467	1	4	20	33	28	14	1
UNIVERSITY OF THE OZARKS	Arkansas	514	91	423	2	11	30	35	16	5	1
UNIV OF ARKANSAS FOR MEDICAL SCIENCES	Arkansas	485	73	412	1	9	33	34	16	7	0
NCAA ELIGIBILITY CENTER	Indiana	482	219	263	1	15	29	35	16	5	0
UNIV OF ARKANSAS COMM COLL-MORRILTON	Arkansas	468	153	315	1	12	36	38	11	1	0
WILLIAMS BAPTIST COLLEGE	Arkansas	438	102	336	2	11	33	33	18	4	0
JOHN BROWN UNIVERSITY	Arkansas	419	111	308	1	4	24	31	22	16	2
UNIVERSITY OF MEMPHIS	Tennessee	356	73	283	2	16	38	27	13	4	0
COLLEGE OF THE OZARKS	Missouri	331	130	201	0	7	32	36	20	5	0
CENTRAL BAPTIST COLLEGE	Arkansas	330	64	266	2	11	34	35	14	4	0
NORTH ARKANSAS COLLEGE	Arkansas	327	129	198	1	11	39	33	14	3	0
MISSOURI STATE UNIVERSITY	Missouri	281	58	223	0	2	16	33	34	14	1
BLACK RIVER TECHNICAL COLLEGE	Arkansas	279	106	173	1	17	41	30	9	1	0
ARKANSAS STATE UNIVERSITY-MOUNTAIN HOME	Arkansas	277	110	167	0	10	38	34	14	4	0
All Other Institutions		17,559	4,139	13,420	2	13	27	26	18	13	2
Total		60,727	18,211	42,516	2	12	29	29	18	9	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	2,601	770,529	23.1	21.4	7.1	7.3	22.0	20.9
African Am./Black	401	86,049	17.9	16.6	6.5	6.5	17.6	16.6
Am. Indian/Alaska Native	37	5,148	21.5	18.9	6.8	6.7	20.5	18.5
Caucasian Am./White	1,748	464,177	24.2	22.5	7.3	7.4	22.9	21.8
Hispanic	110	71,060	21.2	18.3	7.2	7.1	20.6	18.5
Asian Am./Pacific Islander	83	37,359	26.9	23.1	7.7	7.9	25.3	22.6
Other/No Response	222	106,736	23.5	22.2	7.2	7.5	22.3	21.7
Males	1,056	327,613	22.8	20.9	6.8	7.0	21.4	20.2
Females	1,514	421,968	23.3	21.7	7.4	7.6	22.4	21.3
Missing	31	20,948	21.5	23.9	6.8	7.9	20.5	23.2

