

# ACT High School Profile Report

The Graduating Class of 2007  
Mississippi





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

This report focuses on :

**Performance** - student test performance in the context of college readiness

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

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

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

**Awareness** - extent to which student aspirations match performance

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

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

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

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

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

**The ACT:**

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

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

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

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

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

9% of 2007 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT.** 24,669 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. 49% 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 16% of the cohort took less than three years of math courses. Of these students, 4% were college ready. 28% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 4% of these students were college ready. In comparison, 32% 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 35% of the cohort took less than three years of natural science courses. 6% of these students were college ready. In comparison, 17% 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 72% 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).

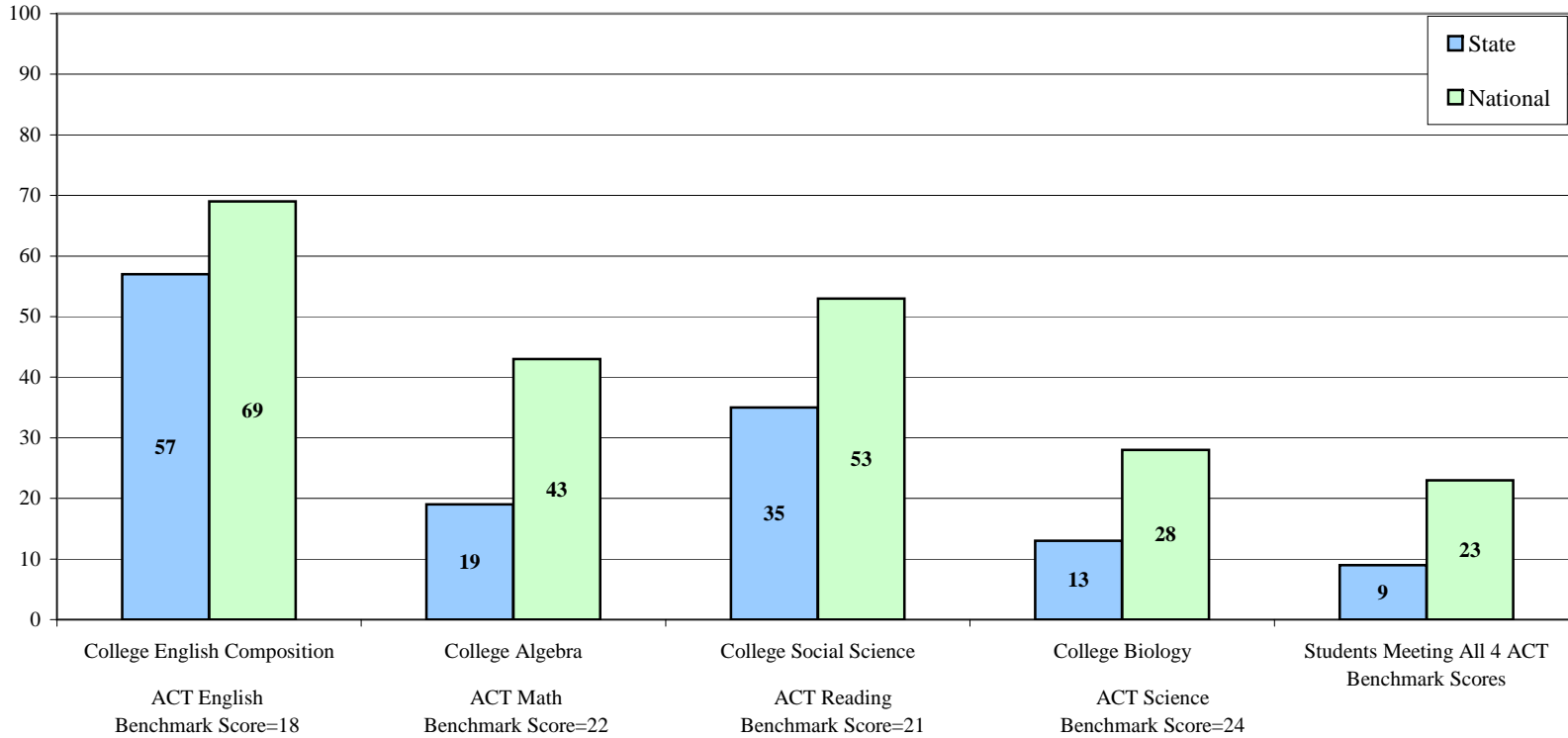
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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 404-231-1952.

# Section I

## Executive Summary

**Figure 1.1. Percent of ACT-Tested Students Ready for College-Level Coursework**



**A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.**



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

Grad Year	Number of Students Tested		Percent Meeting Benchmarks									
	State	National	English		Mathematics		Reading		Science		Meeting All Four	
			State	National	State	National	State	National	State	National	State	National
2003	24,153	1,175,059	55	67	18	40	34	52	12	26	9	20
2004	23,815	1,171,460	55	68	17	40	35	52	13	26	9	21
2005	23,819	1,186,251	55	68	18	41	33	51	12	26	9	21
2006	23,765	1,206,455	57	69	18	42	35	53	12	27	9	21
<b>2007</b>	<b>24,669</b>	<b>1,300,599</b>	<b>57</b>	<b>69</b>	<b>19</b>	<b>43</b>	<b>35</b>	<b>53</b>	<b>13</b>	<b>28</b>	<b>9</b>	<b>23</b>

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

Grad Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
			State	National	State	National	State	National	State	National	State	National
2003	24,153	1,175,059	18.8	20.3	17.7	20.6	18.9	21.2	18.7	20.8	18.7	20.8
2004	23,815	1,171,460	18.9	20.4	17.9	20.7	19.0	21.3	18.8	20.9	18.8	20.9
2005	23,819	1,186,251	18.8	20.4	17.8	20.7	18.9	21.3	18.6	20.9	18.7	20.9
2006	23,765	1,206,455	19.1	20.6	18.0	20.8	19.1	21.4	18.7	20.9	18.8	21.1
<b>2007</b>	<b>24,669</b>	<b>1,300,599</b>	<b>19.0</b>	<b>20.7</b>	<b>18.1</b>	<b>21.0</b>	<b>19.1</b>	<b>21.5</b>	<b>18.7</b>	<b>21.0</b>	<b>18.9</b>	<b>21.2</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
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
<b>2007</b>	<b>1,300,599</b>	<b>20.7</b>	<b>21.0</b>	<b>21.5</b>	<b>21.0</b>	<b>21.2</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
2003	12,812	10,536	53	44	20.4	16.9	18.9	16.3	20.1	17.4	19.8	17.5	19.9	17.1
2004	12,330	10,501	52	44	20.5	17.1	19.0	16.5	20.3	17.6	19.8	17.6	20.0	17.3
2005	12,149	10,516	51	44	20.4	17.0	19.0	16.4	20.2	17.4	19.7	17.4	20.0	17.2
2006	12,183	10,168	51	43	20.7	17.2	19.1	16.7	20.4	17.6	19.8	17.5	20.1	17.4
<b>2007</b>	<b>12,106</b>	<b>10,345</b>	<b>49</b>	<b>42</b>	<b>20.5</b>	<b>17.1</b>	<b>19.1</b>	<b>16.8</b>	<b>20.3</b>	<b>17.6</b>	<b>19.7</b>	<b>17.4</b>	<b>20.0</b>	<b>17.3</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**

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>24,153</b>	<b>100</b>	<b>18.7</b>	<b>23,815</b>	<b>100</b>	<b>18.8</b>	<b>23,819</b>	<b>100</b>	<b>18.7</b>	<b>23,765</b>	<b>100</b>	<b>18.8</b>	<b>24,669</b>	<b>100</b>	<b>18.9</b>
African American/Black	8,463	35	16.3	8,286	35	16.3	8,432	35	16.2	8,558	36	16.5	8,952	36	16.4
American Indian/Alaska Native	140	1	17.1	121	1	17.2	113	0	17.8	107	0	17.3	121	0	17.4
Caucasian American/White	13,786	57	20.1	13,652	57	20.2	13,407	56	20.1	13,062	55	20.3	13,095	53	20.4
Hispanic	202	1	19.3	149	1	19.6	199	1	19.2	237	1	19.6	231	1	19.3
Asian American/Pacific Islander	265	1	20.7	259	1	21.1	262	1	21.2	237	1	21.0	262	1	22.0
Other/No Response	1,297	5	18.7	1,348	6	18.8	1,406	6	18.9	1,564	7	18.8	2,008	8	19.6

# 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	26	100	15	100	52	100	18	100	4	100	36
35	119	100	25	100	91	100	40	100	13	100	35
34	290	99	38	100	180	99	21	100	26	100	34
33	183	98	37	100	225	99	68	100	67	100	33
32	169	97	82	100	277	98	37	99	97	100	32
31	358	97	83	99	320	97	81	99	154	99	31
30	350	95	106	99	377	95	137	99	223	99	30
29	306	94	201	98	424	94	106	98	328	98	29
28	581	93	195	98	480	92	214	98	343	96	28
27	489	90	343	97	588	90	322	97	449	95	27
26	645	88	516	95	578	88	491	96	606	93	26
25	928	86	567	93	721	85	797	94	693	91	25
24	894	82	852	91	886	83	895	91	897	88	24
23	924	78	773	88	1,414	79	1,002	87	1,066	84	23
22	1,384	75	841	84	935	73	1,723	83	1,277	80	22
21	1,673	69	987	81	1,119	69	2,012	76	1,584	75	21
20	1,770	62	1,156	77	2,037	65	2,501	68	1,752	68	20
19	1,733	55	1,674	72	1,282	57	2,288	58	2,032	61	19
18	1,175	48	1,878	66	1,355	51	2,765	48	2,301	53	18
17	1,268	43	2,793	58	1,934	46	1,982	37	2,257	44	17
16	1,815	38	4,530	47	2,017	38	1,545	29	2,325	34	16
15	1,661	31	3,633	28	1,514	30	1,346	23	2,133	25	15
14	1,589	24	2,278	14	2,005	24	1,226	17	1,732	16	14
13	990	18	700	4	1,350	16	800	12	1,271	9	13
12	906	14	280	1	1,399	10	798	9	739	4	12
11	790	10	55	1	618	4	678	6	249	1	11
10	632	7	19	1	297	2	543	3	45	1	10
9	405	4	5	1	81	1	141	1	3	1	9
8	425	2	4	1	64	1	68	1	1	1	8
7	144	1	1	1	34	1	17	1	2	1	7
6	34	1	2	1	11	1	6	1	0	1	6
5	11	1	0	1	1	1	0	1	0	1	5
4	2	1	0	1	2	1	1	1	0	1	4
3	0	1	0	1	1	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
<b>Avg (SD)</b>	19.0 (6.0)		18.1 (4.1)		19.1 (5.7)		18.7 (4.5)		18.9 (4.5)		<b>Avg (SD)</b>

<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	465	100	87	100	178	100	361	100	190	100	32	100	35	100	18
17	813	98	316	100	648	99	734	99	312	99	64	100	64	100	17
16	775	95	671	98	609	97	983	96	448	98	127	100	134	100	16
15	671	92	1,137	96	871	94	1,162	92	562	96	345	99	424	99	15
14	1,154	89	1,033	91	829	91	1,351	87	1,042	94	595	98	591	97	14
13	1,307	84	1,310	87	1,075	87	1,480	81	1,277	90	1,203	95	1,092	95	13
12	1,539	79	1,987	82	2,499	83	2,009	75	1,428	84	1,450	90	1,268	91	12
11	2,110	73	2,817	73	2,246	73	1,444	67	1,890	79	2,591	85	1,943	85	11
10	2,697	64	2,986	62	2,290	64	2,034	61	2,212	71	4,092	74	3,641	77	10
9	2,347	53	2,907	50	3,258	54	2,576	53	2,396	62	4,441	57	4,400	63	9
8	2,735	44	3,304	38	4,029	41	2,159	43	3,637	52	3,556	39	3,452	45	8
7	2,346	33	2,178	25	2,348	25	2,084	34	4,960	38	2,070	25	3,101	31	7
6	1,944	23	1,624	16	1,793	15	3,086	26	2,742	17	1,828	17	1,762	18	6
5	1,916	15	1,189	9	814	8	1,822	13	891	6	1,256	9	898	11	5
4	1,094	7	776	5	727	5	1,075	6	455	3	412	4	914	8	4
3	563	3	272	1	324	2	216	1	175	1	505	2	500	4	3
2	182	1	67	1	96	1	76	1	41	1	7	1	305	2	2
1	11	1	8	1	35	1	17	1	11	1	95	1	145	1	1
Avg (SD)	9.5 (3.7)		9.7 (3.2)		9.6 (3.2)		9.7 (3.7)		9.1 (3.0)		9.0 (2.6)		8.7 (2.8)		Avg (SD)

<sup>1</sup>Note: 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)	23	20	23	21	22
Q2 (50th Percentile)	19	17	18	19	18
Q1 (25th Percentile)	15	15	15	16	15

**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	<b>All Students</b>	<b>24,669</b>	<b>49</b>	<b>20.0</b>	<b>17.3</b>
	African Am./Black	8,952	48	17.2	15.6
	Am. Indian/Alaska Native	121	39	19.6	16.1
	Caucasian Am./White	13,095	51	21.7	18.7
	Hispanic	231	53	20.3	17.9
	Asian Am./Pacific Islander	262	63	23.0	19.3
	Other/No Response	2,008	39	20.4	17.5
National	<b>All Students</b>	<b>1,300,599</b>	<b>51</b>	<b>22.0</b>	<b>19.8</b>
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	19.0	18.1	19.1	18.7	18.9
	African Am./Black	15.9	16.1	16.4	16.7	16.4
	Am. Indian/Alaska Native	16.9	16.9	17.8	17.4	17.4
	Caucasian Am./White	21.0	19.3	20.8	20.0	20.4
	Hispanic	19.2	18.5	19.7	19.2	19.3
	Asian Am./Pacific Islander	22.2	22.0	21.8	21.6	22.0
	Other/No Response	19.8	18.8	20.0	19.4	19.6
National	<b>All Students</b>	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

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

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	618	3	115	0	548	2	147	1
	28 to 32	1,764	7	667	3	1,878	8	575	2
	24 to 27	2,956	12	2,278	9	2,773	11	2,505	10
	20 to 23	5,751	23	3,757	15	5,505	22	7,238	29
	16 to 19	5,991	24	10,875	44	6,588	27	8,580	35
	13 to 15	4,240	17	6,611	27	4,869	20	3,372	14
	01 to 12	3,349	14	366	1	2,508	10	2,252	9
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	10,549	43	18.5	18.5	18.9	19.0	18.9
	Females	13,408	54	19.3	17.7	19.2	18.4	18.8
	Missing	712	3	20.4	19.2	20.5	19.7	20.1
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	53	22	34	16	11
	Females	59	16	35	10	7
National	Males	66	47	51	32	26
	Females	71	38	53	24	20





# Section III

## College Readiness and the Impact of Course Rigor

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

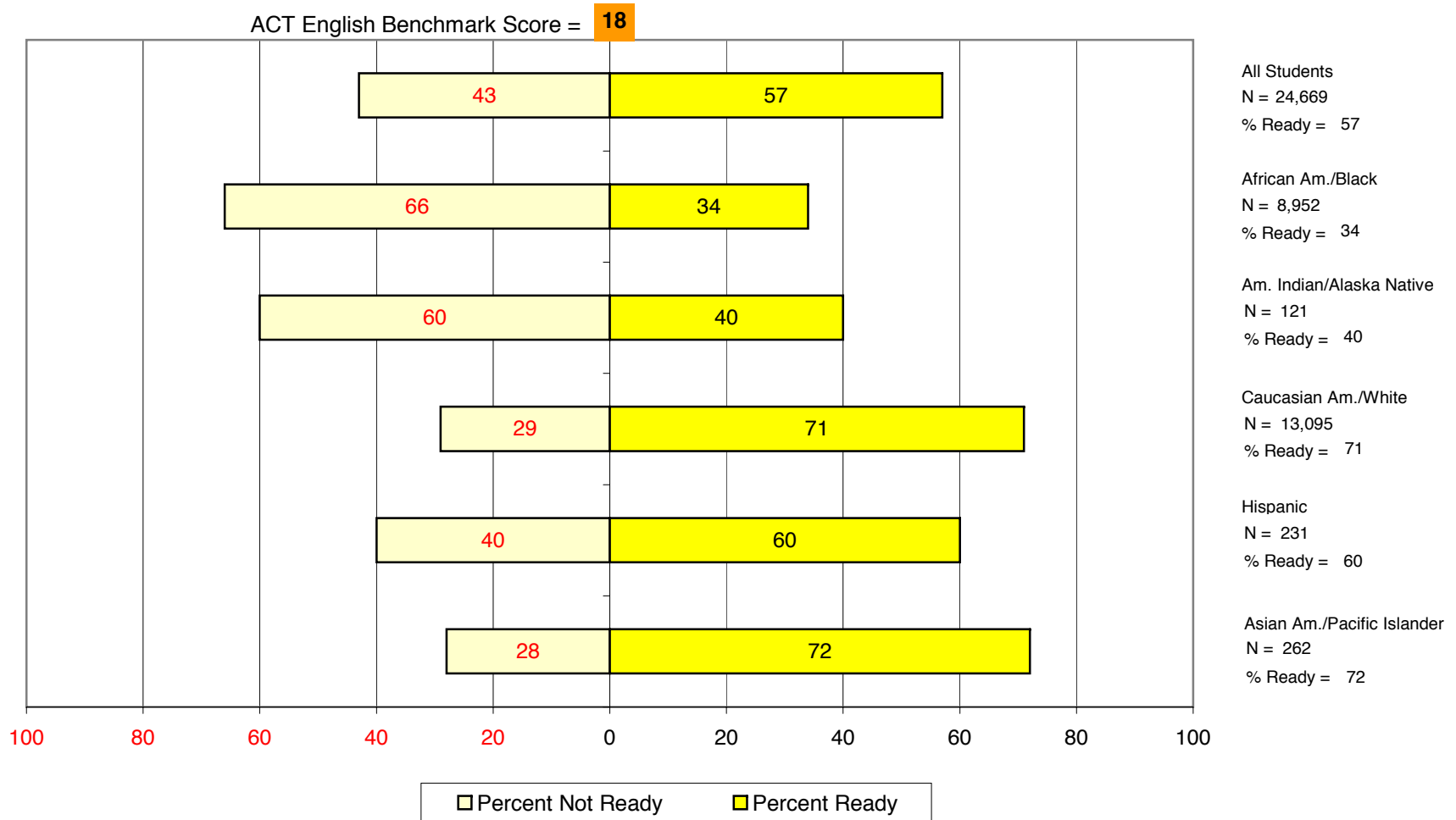


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

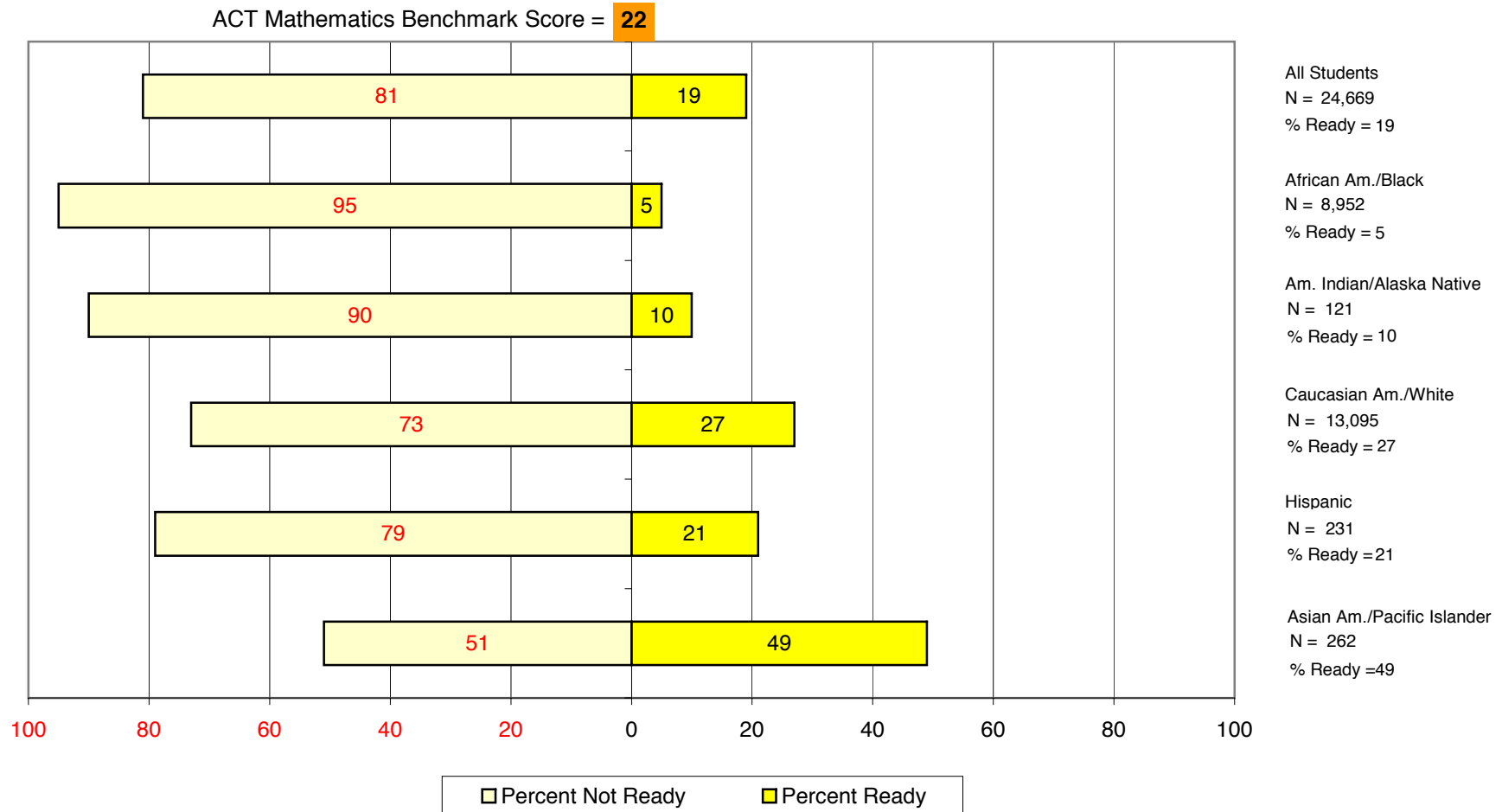


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

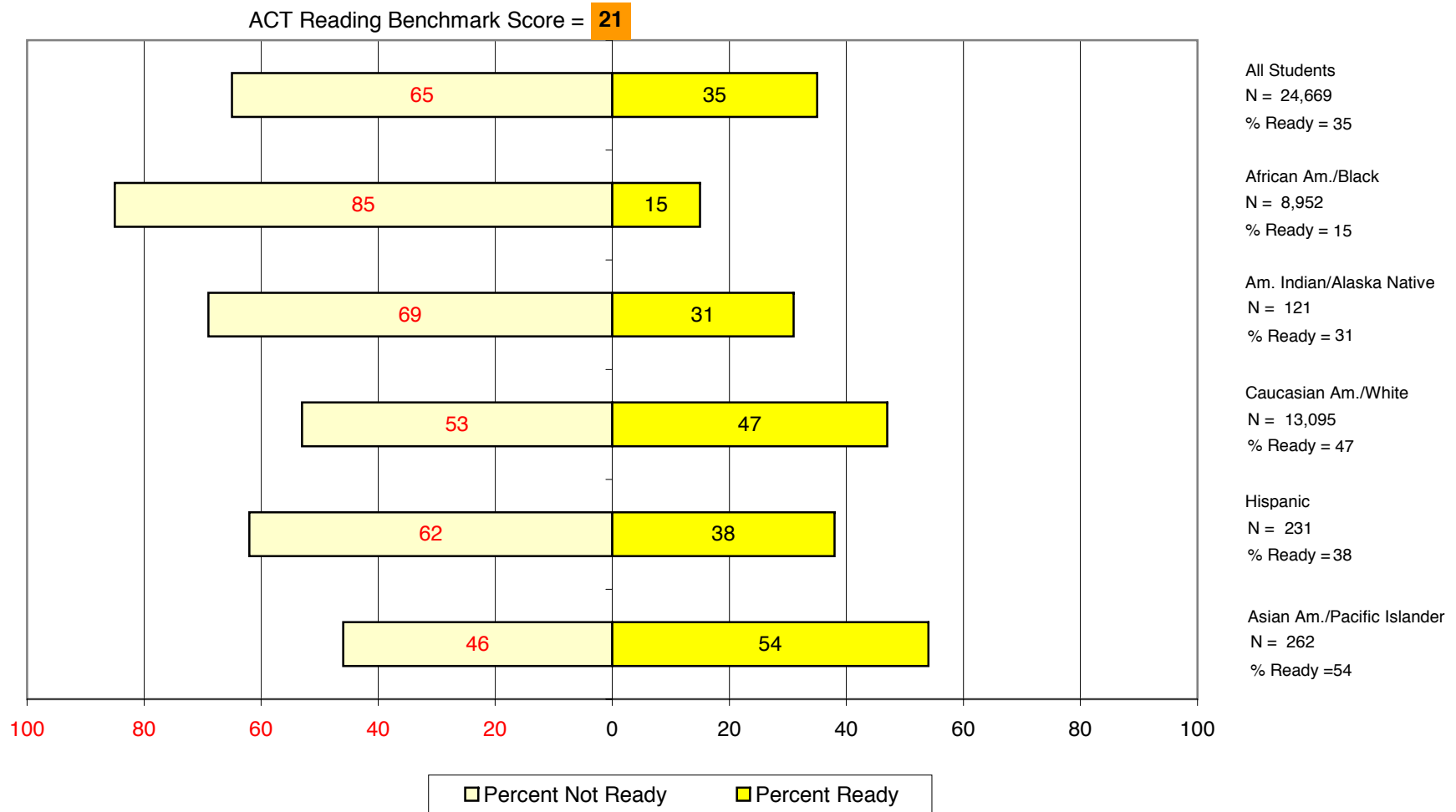


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

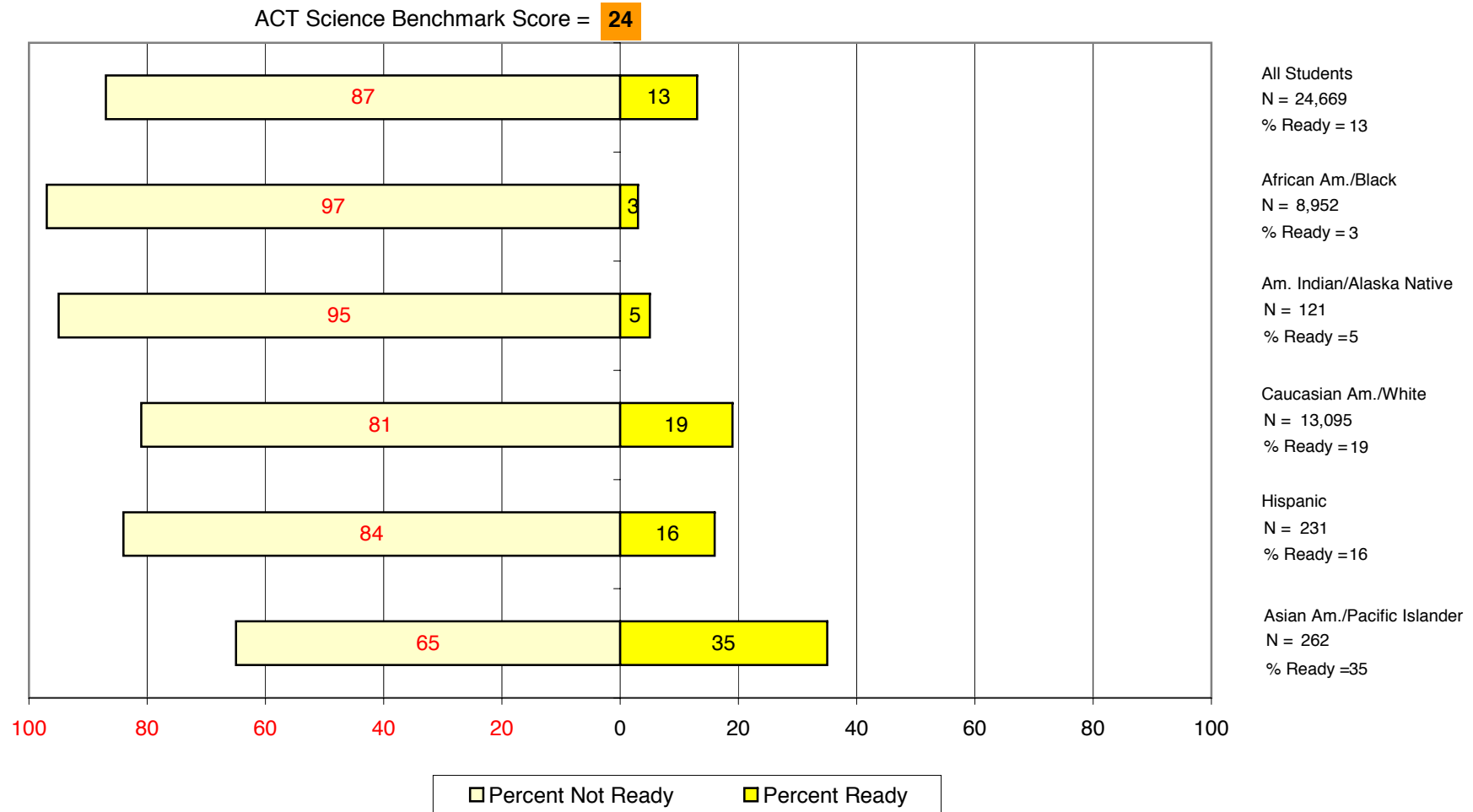
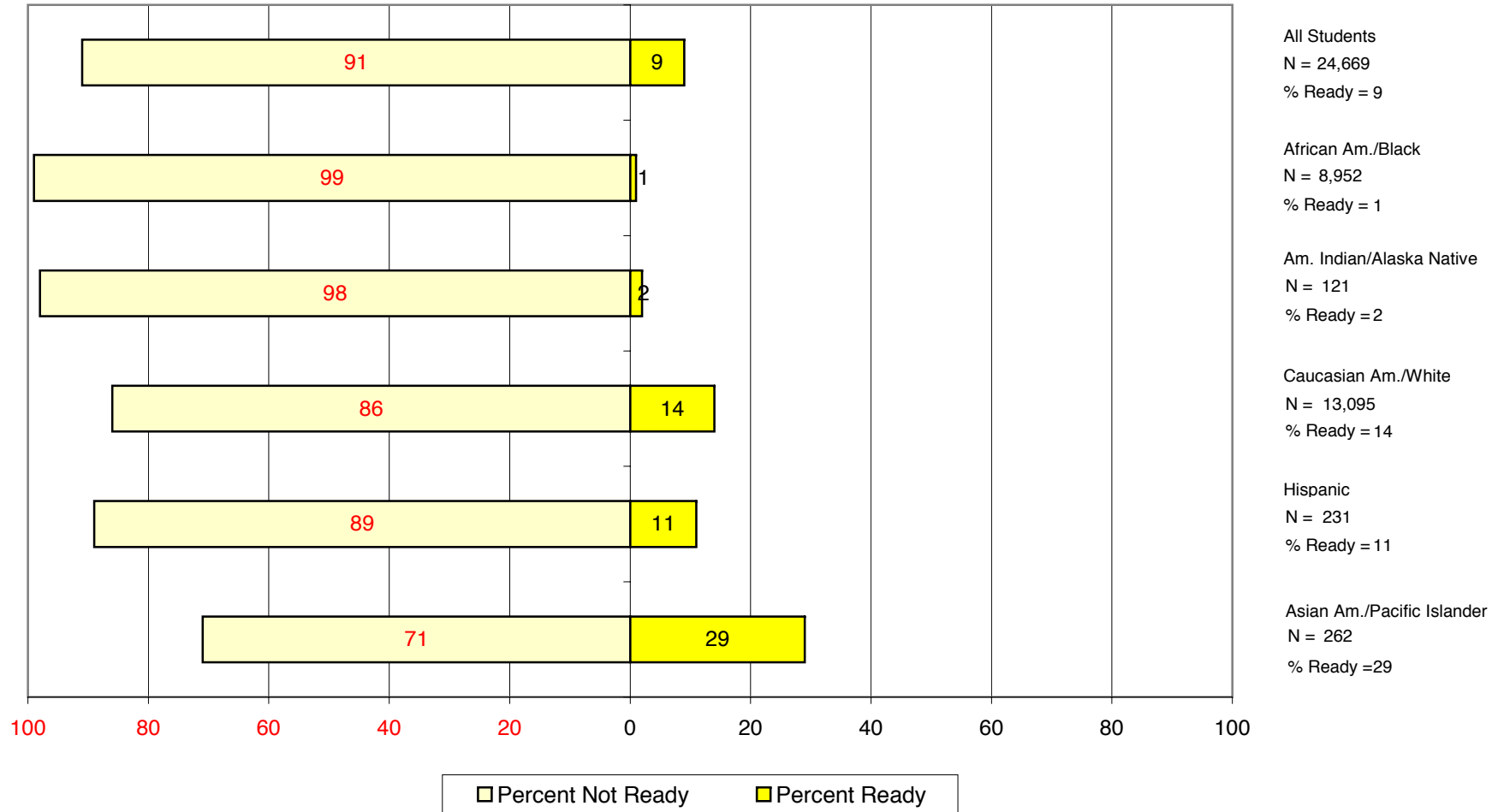


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <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	2,968	12	21.2	3.6	1,165	11	20.6	3.4	1,771	13	21.7	3.7
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	17,699	72	18.7	1.1	7,489	71	18.3	1.1	9,978	74	18.9	0.9
Less than 4 years of English	1,718	7	17.6	-	862	8	17.2	-	787	6	18.0	-
No English course/grade information reported	2,284	9	19.9	-	1,033	10	19.1	-	872	7	20.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,259	5	20.5	4.7	545	5	21.4	5.3	700	5	19.9	4.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,205	9	19.6	3.8	784	7	20.3	4.2	1,410	11	19.1	3.6
Alg 1, Alg 2, Geom, & Trig	1,931	8	18.1	2.3	779	7	18.6	2.5	1,130	8	17.7	2.2
Alg 1, Alg 2, Geom, & Other Adv Math	1,069	4	18.1	2.3	416	4	18.5	2.4	631	5	17.9	2.4
Other comb of 4 or more years of Math	4,229	17	21.2	5.4	1,935	18	21.8	5.7	2,241	17	20.7	5.2
Alg 1, Alg 2, & Geom (Min. Core)	6,839	28	16.4	0.6	2,716	26	16.7	0.6	4,021	30	16.1	0.6
Other comb of 3 or 3.5 years of Math	822	3	17.3	1.5	432	4	17.5	1.4	378	3	17.0	1.5
Less than 3 years of Math	3,983	16	15.8	-	1,882	18	16.1	-	2,008	15	15.5	-
No Math course/grade information reported	2,332	9	18.9	-	1,060	10	19.0	-	889	7	18.3	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	337	1	19.9	2.4	173	2	19.2	1.9	157	1	20.5	2.8
Other comb of 4 or more years Social Science	15,743	64	19.6	2.1	6,356	60	19.5	2.2	9,202	69	19.6	1.9
US Hist, World Hist, & Am Gov (Min. Core)	499	2	17.1	-0.4	250	2	16.8	-0.5	238	2	17.3	-0.4
Other comb of 3 or 3.5 years of Social Science	3,812	15	17.8	0.3	1,720	16	17.8	0.5	2,027	15	17.7	0.0
Less than 3 years of Social Science	1,880	8	17.5	-	952	9	17.3	-	873	7	17.7	-
No Soc Sci course/grade information reported	2,398	10	20.0	-	1,098	10	19.4	-	911	7	20.3	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	4,662	19	20.4	3.0	2,087	20	21.0	3.5	2,508	19	19.9	2.7
Bio, Chem, Phys	1,497	6	21.6	4.2	689	7	22.5	5.0	785	6	20.8	3.6
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	7,144	29	18.5	1.1	2,817	27	18.7	1.2	4,245	32	18.4	1.2
Other comb of 3 years of Natural Science	348	1	17.3	-0.1	172	2	17.2	-0.3	170	1	17.3	0.1
Less than 3 years of Natural Science	8,598	35	17.4	-	3,684	35	17.5	-	4,773	36	17.2	-
No Nat Sci course/grade information reported	2,420	10	19.3	-	1,100	10	19.3	-	927	7	18.8	-

<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	2,968	12	21.2	70	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	17,699	72	18.7	55	766,001	59	20.5	68
Less than 4 years of English	1,718	7	17.6	47	141,777	11	19.7	64
No English course/grade information reported	2,284	9	19.9	63	201,619	16	20.7	69
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,259	5	20.5	40	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,205	9	19.6	29	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	1,931	8	18.1	17	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	1,069	4	18.1	17	163,562	13	20.4	38
Other comb of 4 or more years of Math	4,229	17	21.2	45	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	6,839	28	16.4	4	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	822	3	17.3	11	57,945	4	20.9	43
Less than 3 years of Math	3,983	16	15.8	4	145,617	11	18.3	21
No Math course/grade information reported	2,332	9	18.9	26	211,787	16	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	337	1	19.9	41	31,985	2	22.7	61
Other comb of 4 or more years Social Science	15,743	64	19.6	38	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	499	2	17.1	21	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	3,812	15	17.8	25	333,689	26	21.4	52
Less than 3 years of Social Science	1,880	8	17.5	24	201,605	16	20.6	47
No Soc Sci course/grade information reported	2,398	10	20.0	42	212,012	16	21.5	53
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	4,662	19	20.4	25	333,648	26	22.4	40
Bio, Chem, Phys	1,497	6	21.6	33	115,297	9	23.4	48
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	7,144	29	18.5	9	353,348	27	20.2	20
Other comb of 3 years of Natural Science	348	1	17.3	7	32,593	3	20.4	24
Less than 3 years of Natural Science	8,598	35	17.4	6	247,312	19	19.1	15
No Nat Sci course/grade information reported	2,420	10	19.3	16	218,401	17	20.9	29

<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	400	2	16.9	85	3	15.2	291	2	17.3
Architecture & Environmental Design	422	2	18.7	57	2	15.8	345	2	19.3
Business & Management	1,590	6	18.2	173	6	15.6	1,327	8	18.7
Business & Office	155	1	17.0	48	2	16.3	92	1	17.5
Marketing & Distribution	133	1	18.8	19	1	15.5	109	1	19.4
Communications & Comm. Technologies	327	1	19.3	30	1	16.1	284	2	19.8
Community & Personal Services	742	3	16.9	193	7	15.2	497	3	17.7
Computer & Information Sciences	522	2	18.5	81	3	16.2	420	2	19.0
Cross-Disciplinary Studies	15	0	21.5	2	0	17.5	12	0	23.0
Education	619	3	18.5	46	2	15.3	551	3	18.9
Teacher Education	555	2	18.1	41	1	15.2	486	3	18.4
Engineering	966	4	19.4	113	4	14.9	796	5	20.3
Engineering-Related Technologies	447	2	19.3	77	3	16.5	350	2	20.1
Foreign Languages	56	0	22.3	3	0	18.0	48	0	22.5
Health Sciences & Allied Health Fields	5,917	24	18.7	736	25	16.2	4,937	28	19.1
Human, Family & Consumer Science	285	1	16.8	66	2	15.0	197	1	17.5
Letters	65	0	22.3	4	0	15.3	57	0	22.9
Mathematics	74	0	22.7	4	0	19.0	63	0	23.2
Philosophy, Religion & Theology	81	0	21.6	2	0	18.5	74	0	21.7
Sciences (Biological & Physical)	745	3	21.2	18	1	16.7	705	4	21.3
Social Sciences	1,152	5	20.0	22	1	16.0	1,086	6	20.1
Trade & Industrial	429	2	16.3	272	9	15.7	141	1	17.6
Visual & Performing Arts	973	4	18.8	118	4	15.6	795	5	19.3
Undecided	3,112	13	18.8	449	16	15.8	2,451	14	19.5
No Response	4,887	20	19.4	230	8	15.7	1,479	8	20.1

<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/ 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	585	15.5	277	14.5	3	15.3	276	16.5	2	15.5	3	16.3	24	15.2
2-yr College Degree	2,304	15.9	999	14.6	18	15.6	1,139	17.1	10	14.4	15	15.6	123	15.6
Bachelors Degree	7,607	18.2	2,695	16.0	35	17.7	4,333	19.5	68	18.6	62	19.7	414	18.2
Graduate Study	3,328	20.4	1,094	17.4	12	19.8	1,944	22.0	29	21.8	30	21.3	219	20.5
Prof. Level Degree	6,658	20.2	2,667	17.6	30	18.4	3,278	22.2	79	20.5	120	24.2	484	20.5
Other	758	16.5	408	15.3	8	16.5	279	18.1	5	16.0	6	19.0	52	16.7
No Response	3,429	19.4	812	15.8	15	15.8	1,846	20.4	38	17.8	26	23.3	692	20.7

**Table 4.3. Students' Score Report Preferences at Time of Testing**

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
MISSISSIPPI STATE UNIVERSITY	Mississippi	8,565	2,523	6,042	2	14	35	27	14	6	0
UNIVERSITY SOUTHERN MISSISSIPPI	Mississippi	6,686	1,612	5,074	3	17	38	27	11	4	0
UNIVERSITY OF MISSISSIPPI	Mississippi	6,385	1,764	4,621	1	10	32	31	17	8	1
JACKSON STATE UNIVERSITY	Mississippi	3,119	800	2,319	8	36	43	11	2	0	0
DELTA STATE UNIVERSITY	Mississippi	2,299	577	1,722	4	21	40	24	9	3	0
ALCORN STATE UNIVERSITY	Mississippi	2,069	654	1,415	8	37	43	11	1	0	0
JONES COUNTY JUNIOR COLLEGE	Mississippi	2,004	936	1,068	6	26	37	23	6	1	0
NORTHWEST MISSISSIPPI COMMUNITY COLLEGE	Mississippi	1,917	853	1,064	6	26	40	21	6	1	0
ITAWAMBA COMMUNITY COLLEGE	Mississippi	1,775	883	892	4	22	41	21	9	2	0
NORTHEAST MISSISSIPPI COMM COLL	Mississippi	1,758	742	1,016	4	22	41	22	9	2	0
HINDS COMM COLLEGE-RAYMOND CAMPUS	Mississippi	1,562	626	936	8	31	38	17	5	1	0
MISSISSIPPI COLLEGE	Mississippi	1,407	307	1,100	2	11	28	32	19	9	0
PEARL RIVER COMMUNITY COLLEGE	Mississippi	1,375	577	798	7	25	40	22	6	1	0
HOLMES COMMUNITY COLLEGE	Mississippi	1,354	484	870	7	27	39	21	6	1	0
MERIDIAN COMMUNITY COLLEGE	Mississippi	1,215	417	798	6	28	37	22	6	1	0
MISSISSIPPI VALLEY STATE UNIV	Mississippi	1,172	232	940	10	42	39	7	1	0	0
MISSISSIPPI UNIV FOR WOMEN	Mississippi	1,163	240	923	3	18	40	26	10	3	0
WILLIAM CAREY UNIVERSITY	Mississippi	1,014	100	914	3	20	38	24	11	3	0
COPIAH-LINCOLN COMMUNITY COLLEGE	Mississippi	964	477	487	6	26	39	21	6	2	0
EAST CENTRAL COMMUNITY COLLEGE	Mississippi	921	427	494	5	27	39	21	6	2	0
TOUGALOO COLLEGE	Mississippi	880	143	737	6	31	41	17	5	0	0
MISSISSIPPI DELTA COMM COLL	Mississippi	800	271	529	11	38	38	10	3	1	0
UNIVERSITY OF MISSISSIPPI MEDICAL CTR	Mississippi	797	56	741	2	17	41	27	10	3	0
MILLSAPS COLLEGE	Mississippi	769	129	640	4	10	23	29	20	14	1
HINDS COMM COLLEGE-JACKSON CAMPUS	Mississippi	767	181	586	11	40	36	12	2	1	0
UNIVERSITY OF MEMPHIS	Tennessee	728	165	563	3	18	40	26	10	3	0
UNIVERSITY OF SOUTH ALABAMA	Alabama	716	202	514	0	9	34	32	18	5	0
MS GULF COAST CC-PERKINSTON CAMPUS	Mississippi	703	246	457	3	21	42	26	7	1	0
MS GULF COAST CC-JEFFERSON DAVIS CAMPUS	Mississippi	652	256	396	3	16	42	27	9	2	0
HINDS COMM COLLEGE-RANKIN CAMPUS	Mississippi	650	271	379	5	19	42	25	8	1	0
All Other Institutions		20,346	4,670	15,676	4	18	33	23	13	8	1
<b>Total</b>		<b>76,532</b>	<b>21,821</b>	<b>54,711</b>	<b>4</b>	<b>21</b>	<b>36</b>	<b>23</b>	<b>11</b>	<b>5</b>	<b>0</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
<b>All Students</b>	<b>1,861</b>	<b>532,943</b>	<b>22.5</b>	<b>22.3</b>	<b>6.7</b>	<b>7.6</b>	<b>21.2</b>	<b>21.8</b>
African Am./Black	559	50,340	18.3	17.2	6.2	6.7	17.6	17.3
Am. Indian/Alaska Native	16	3,462	18.3	19.8	4.8	7.0	16.4	19.4
Caucasian Am./White	996	308,578	24.5	23.4	7.0	7.6	22.9	22.6
Hispanic	28	42,588	22.9	18.8	7.1	7.3	21.8	19.0
Asian Am./Pacific Islander	54	25,616	26.7	23.2	7.8	8.0	25.1	22.8
Other/No Response	208	102,359	23.4	23.2	7.0	7.8	22.1	22.7
Males	710	204,427	22.3	22.0	6.4	7.3	20.7	21.3
Females	1,076	285,556	22.6	22.5	6.9	7.7	21.4	22.1
Missing	75	42,960	23.6	23.0	7.2	7.8	22.4	22.6



