

# ACT High School Profile Report

The Graduating Class of 2006  
Alabama





# ACT High School Profile Report

The Graduating Class of 2006

Alabama

Section I: Executive Summary	P. 5
Section II: Academic Achievement	P. 9
Section III: College Readiness & the Impact of Course Rigor	P. 14
Section IV: Career and Educational Aspirations	P. 22
Section V: Optional Writing Test Results	P. 26



This report provides information about the performance of your 2006 graduating seniors who took the ACT as sophomores, juniors, or seniors.

This report focuses on :

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

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

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

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

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

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

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

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

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

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

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

**The ACT: A Test Like No Other**

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

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

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

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

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

## How to Improve Scores and Increase College Readiness

15% of 2006 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT.** 32,860 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. 61% 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 12% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 12% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 9% of these students were college ready. In comparison, 37% 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 21% of the cohort took less than three years of natural science courses. 10% of these students were college ready. In comparison, 23% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES.** Table 2.4 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 59% 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).

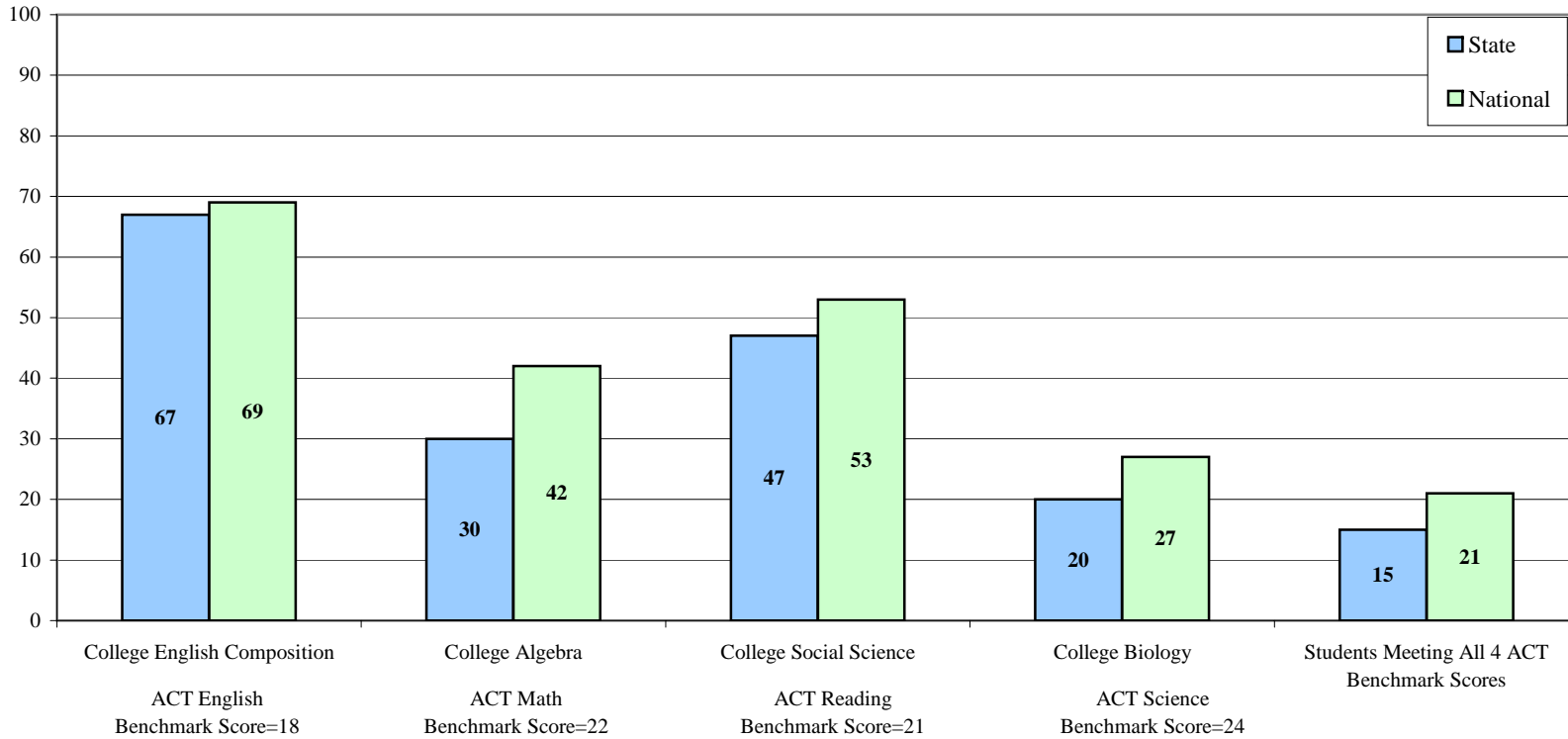
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic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



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

Grad Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2002	30,955	1,116,082	67	67	30	39	46	53	19	26	14	20
2003	31,449	1,175,059	66	67	29	40	45	52	19	26	14	20
2004	31,548	1,171,460	67	68	30	40	45	52	20	26	15	21
2005	32,122	1,186,251	67	68	29	41	45	51	20	26	15	21
<b>2006</b>	<b>32,860</b>	<b>1,206,455</b>	<b>67</b>	<b>69</b>	<b>30</b>	<b>42</b>	<b>47</b>	<b>53</b>	<b>20</b>	<b>27</b>	<b>15</b>	<b>21</b>

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

Grad Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2002	30,955	1,116,082	20.2	20.2	19.5	20.6	20.3	21.1	20.0	20.8	20.1	20.8
2003	31,449	1,175,059	20.2	20.3	19.3	20.6	20.4	21.2	20.1	20.8	20.1	20.8
2004	31,548	1,171,460	20.3	20.4	19.5	20.7	20.5	21.3	20.1	20.9	20.2	20.9
2005	32,122	1,186,251	20.3	20.4	19.4	20.7	20.5	21.3	20.1	20.9	20.2	20.9
<b>2006</b>	<b>32,860</b>	<b>1,206,455</b>	<b>20.3</b>	<b>20.6</b>	<b>19.5</b>	<b>20.8</b>	<b>20.6</b>	<b>21.4</b>	<b>20.1</b>	<b>20.9</b>	<b>20.2</b>	<b>21.1</b>

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

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2002	1,116,082	20.2	20.6	21.1	20.8	20.8
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
<b>2006</b>	<b>1,206,455</b>	<b>20.6</b>	<b>20.8</b>	<b>21.4</b>	<b>20.9</b>	<b>21.1</b>

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

Grad Year	Number of Students Tested		Percent <sup>1</sup>		Average ACT Scores									
	Core or More	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2002	20,453	9,518	66	31	21.3	17.8	20.4	17.5	21.2	18.3	20.7	18.4	21.0	18.1
2003	20,479	9,748	65	31	21.2	18.0	20.2	17.5	21.2	18.5	20.8	18.6	21.0	18.3
2004	20,245	9,910	64	31	21.4	18.2	20.4	17.7	21.3	18.6	20.8	18.6	21.1	18.4
2005	20,569	9,798	64	31	21.4	18.2	20.2	17.8	21.3	18.6	20.8	18.6	21.0	18.4
<b>2006</b>	<b>20,080</b>	<b>10,398</b>	<b>61</b>	<b>32</b>	<b>21.4</b>	<b>18.2</b>	<b>20.3</b>	<b>17.8</b>	<b>21.5</b>	<b>18.9</b>	<b>20.8</b>	<b>18.7</b>	<b>21.1</b>	<b>18.5</b>

<sup>1</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity**

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>30,955</b>	<b>100</b>	<b>20.1</b>	<b>31,449</b>	<b>100</b>	<b>20.1</b>	<b>31,548</b>	<b>100</b>	<b>20.2</b>	<b>32,122</b>	<b>100</b>	<b>20.2</b>	<b>32,860</b>	<b>100</b>	<b>20.2</b>
African American/Black	7,731	25	17.0	7,814	25	17.0	7,823	25	17.1	8,011	25	17.1	8,240	25	17.2
American Indian/Alaskan Native	343	1	20.0	331	1	20.0	268	1	20.0	312	1	20.1	299	1	20.3
Caucasian American/White	21,057	68	21.2	21,376	68	21.2	21,437	68	21.3	21,649	67	21.3	21,664	66	21.3
Hispanic	261	1	20.2	299	1	20.0	325	1	20.2	369	1	20.1	374	1	20.3
Asian American/Pacific Islander	385	1	21.9	445	1	22.3	380	1	22.2	408	1	22.5	381	1	22.7
Other/No Response	1,178	4	20.7	1,184	4	20.6	1,315	4	20.5	1,373	4	20.5	1,902	6	20.4

# 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	45	100	42	100	119	100	24	100	5	100	36
35	201	100	59	100	228	100	89	100	37	100	35
34	393	99	135	100	368	99	88	100	68	100	34
33	294	98	93	99	416	98	125	99	111	100	33
32	371	97	132	99	444	97	153	99	229	99	32
31	408	96	185	99	548	95	222	99	316	99	31
30	686	95	319	98	632	94	68	98	436	98	30
29	666	93	419	97	768	92	307	98	556	96	29
28	925	91	536	96	828	89	441	97	757	95	28
27	759	88	743	94	1,067	87	603	95	972	92	27
26	1,206	86	1,222	92	1,265	84	1,332	94	1,084	89	26
25	1,608	82	1,407	88	1,548	80	1,127	89	1,349	86	25
24	1,541	77	1,475	84	1,483	75	1,947	86	1,637	82	24
23	1,514	72	1,454	79	1,789	70	2,104	80	1,886	77	23
22	2,172	68	1,479	75	1,936	65	2,677	74	2,283	71	22
21	2,396	61	1,665	70	1,899	59	2,807	66	2,491	64	21
20	2,638	54	1,973	65	2,037	53	3,523	57	2,749	57	20
19	2,223	46	2,283	59	2,460	47	3,595	46	2,856	48	19
18	1,974	39	2,743	52	1,847	40	2,961	35	2,994	40	18
17	1,821	33	4,220	44	2,260	34	2,527	26	2,673	31	17
16	2,017	27	4,318	31	1,771	27	1,735	19	2,495	22	16
15	1,933	21	3,165	18	1,673	22	1,272	13	1,902	15	15
14	1,573	15	1,879	8	2,069	17	1,057	10	1,445	9	14
13	863	11	608	3	1,372	10	738	6	882	5	13
12	751	8	226	1	1,095	6	549	4	439	2	12
11	608	6	55	1	597	3	404	2	169	1	11
10	476	4	16	1	159	1	221	1	31	1	10
9	349	2	7	1	99	1	103	1	6	1	9
8	272	1	1	1	50	1	44	1	1	1	8
7	132	1	1	1	16	1	13	1	0	1	7
6	39	1	0	1	10	1	3	1	1	1	6
5	6	1	0	1	6	1	0	1	0	1	5
4	0	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	1	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
Average	20.3		19.5		20.6		20.1		20.2		Average

<sup>1</sup>Note: CP is the cumulative percent of students at or below a score point. Also, shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	915	100	178	100	344	100	619	100	495	100	114	100	112	100	18
17	1,289	97	500	99	1,340	99	1,272	98	603	98	235	100	201	100	17
16	1,133	93	1,192	98	1,212	95	1,602	94	1,283	97	309	99	423	99	16
15	1,401	90	1,795	94	1,444	91	1,967	89	1,176	93	584	98	828	98	15
14	2,113	86	2,125	89	1,614	87	2,059	83	1,603	89	1,751	96	1,738	95	14
13	1,776	79	2,326	82	2,575	82	2,413	77	2,658	84	1,459	91	2,036	90	13
12	2,615	74	2,898	75	3,055	74	3,168	70	3,361	76	3,768	86	2,906	84	12
11	3,255	66	4,399	66	3,221	65	2,695	60	2,536	66	3,137	75	2,660	75	11
10	3,773	56	4,071	53	3,259	55	3,064	52	3,313	58	5,698	65	6,066	67	10
9	3,301	44	4,337	41	4,542	45	3,436	43	3,083	48	6,838	48	4,601	48	9
8	3,278	34	3,349	28	4,075	31	2,620	32	4,921	39	3,600	27	4,040	34	8
7	2,748	24	2,254	17	2,513	19	2,260	24	4,703	24	1,302	16	2,881	22	7
6	2,284	16	1,573	10	2,042	11	2,754	17	2,066	10	1,861	12	2,297	13	6
5	1,330	9	1,174	6	783	5	1,604	9	648	3	1,285	7	242	6	5
4	983	5	484	2	459	3	987	4	260	1	346	3	1,177	6	4
3	503	2	160	1	277	1	258	1	108	1	409	2	89	2	3
2	153	1	44	1	71	1	78	1	37	1	46	1	474	2	2
1	10	1	1	1	34	1	4	1	6	1	118	1	89	1	1
Average	10.2		10.4		10.4		10.5		10.1		9.7		9.6		Average

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

**Table 2.3. Average ACT Composite Scores by Level of Preparation by Race/Ethnicity**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	32,860	61	21.1	18.5
	African Am./Black	8,240	59	17.9	16.2
	Am. Indian/Alaskan Native	299	63	21.2	18.9
	Caucasian Am./White	21,664	63	22.2	19.5
	Hispanic	374	59	21.4	18.5
	Asian Am./Pacific Islander	381	69	23.3	20.8
	Other/No Response	1,902	46	21.6	18.9
National	All Students	1,206,455	54	22.0	19.7
	African Am./Black	139,118	53	17.8	16.2
	Am. Indian/Alaskan Native	13,635	48	20.2	17.5
	Caucasian Am./White	760,084	56	22.9	20.6
	Hispanic	85,796	52	19.5	17.6
	Asian Am./Pacific Islander	39,867	60	22.9	21.1
	Other/No Response	167,955	41	22.2	19.8

**Table 2.4. Percent of Students in College Readiness Standards (CRS) Score Ranges**

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	933	3	329	1	1,131	3	326	1
	28 to 32	3,056	9	1,591	5	3,220	10	1,191	4
	24 to 27	5,114	16	4,847	15	5,363	16	5,009	15
	20 to 23	8,720	27	6,571	20	7,661	23	11,111	34
	16 to 19	8,035	24	13,564	41	8,338	25	10,818	33
	13 to 15	4,369	13	5,652	17	5,114	16	3,067	9
	01 to 12	2,633	8	306	1	2,033	6	1,338	4
National	33 to 36	35,933	3	24,395	2	56,816	5	18,798	2
	28 to 32	126,394	10	103,455	9	150,082	12	67,815	6
	24 to 27	205,310	17	250,510	21	224,470	19	238,007	20
	20 to 23	321,306	27	264,179	22	280,741	23	419,135	35
	16 to 19	267,738	22	399,519	33	269,040	22	326,445	27
	13 to 15	149,825	12	154,528	13	156,903	13	90,944	8
	01 to 12	99,949	8	9,869	1	68,403	6	45,311	4

**Table 2.5. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	14,369	44	19.9	20.1	20.4	20.5	20.4
	Females	17,882	54	20.7	19.0	20.7	19.7	20.1
	Missing	609	2	19.8	19.2	20.3	19.7	19.9
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

**Table 2.6. Percent of Students Meeting College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	64	35	46	25	19
	Females	70	25	47	16	12
National	Males	66	47	51	32	25
	Females	71	37	55	23	18





# Section III

## College Readiness and the Impact of Course Rigor

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

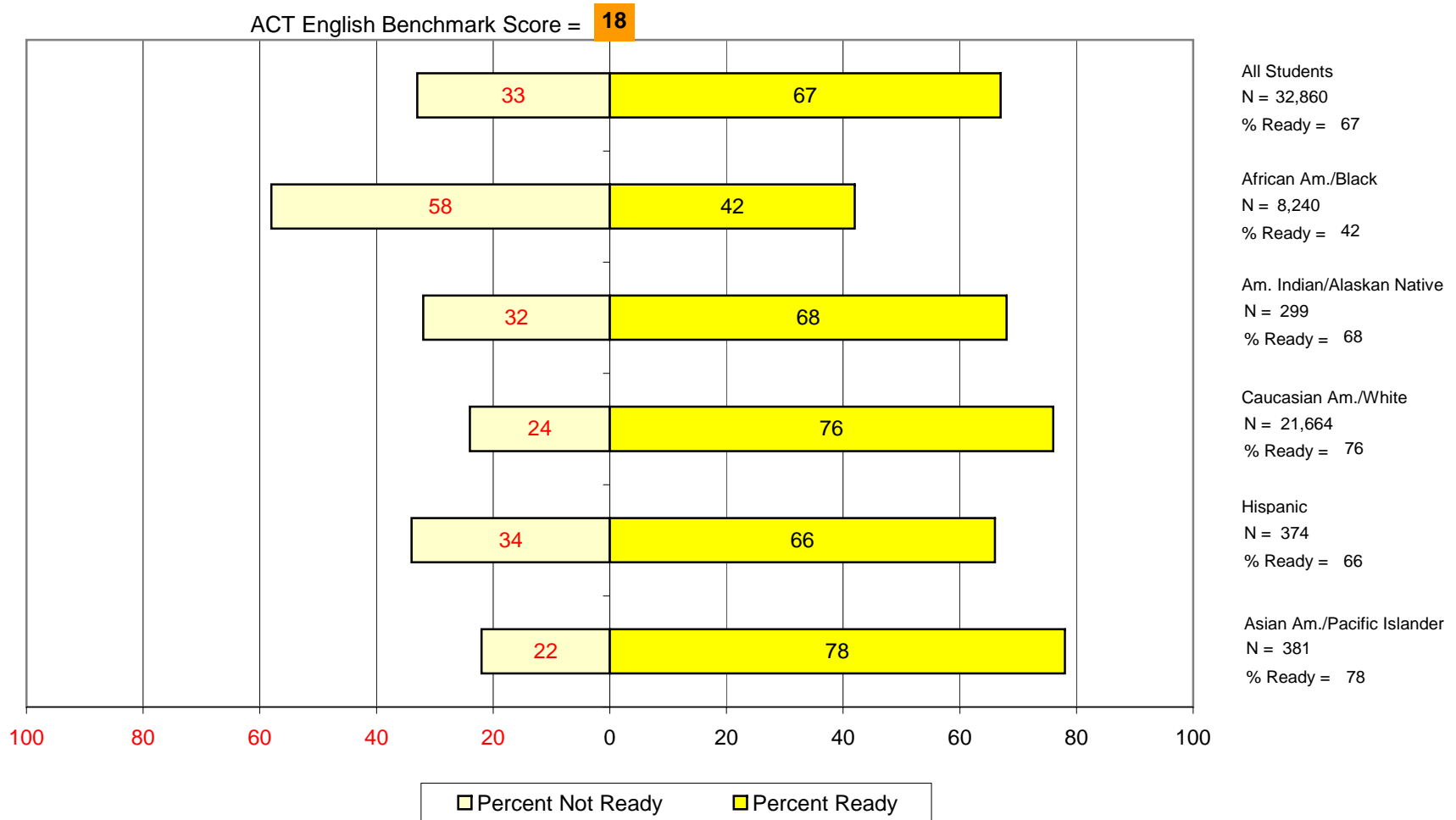


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

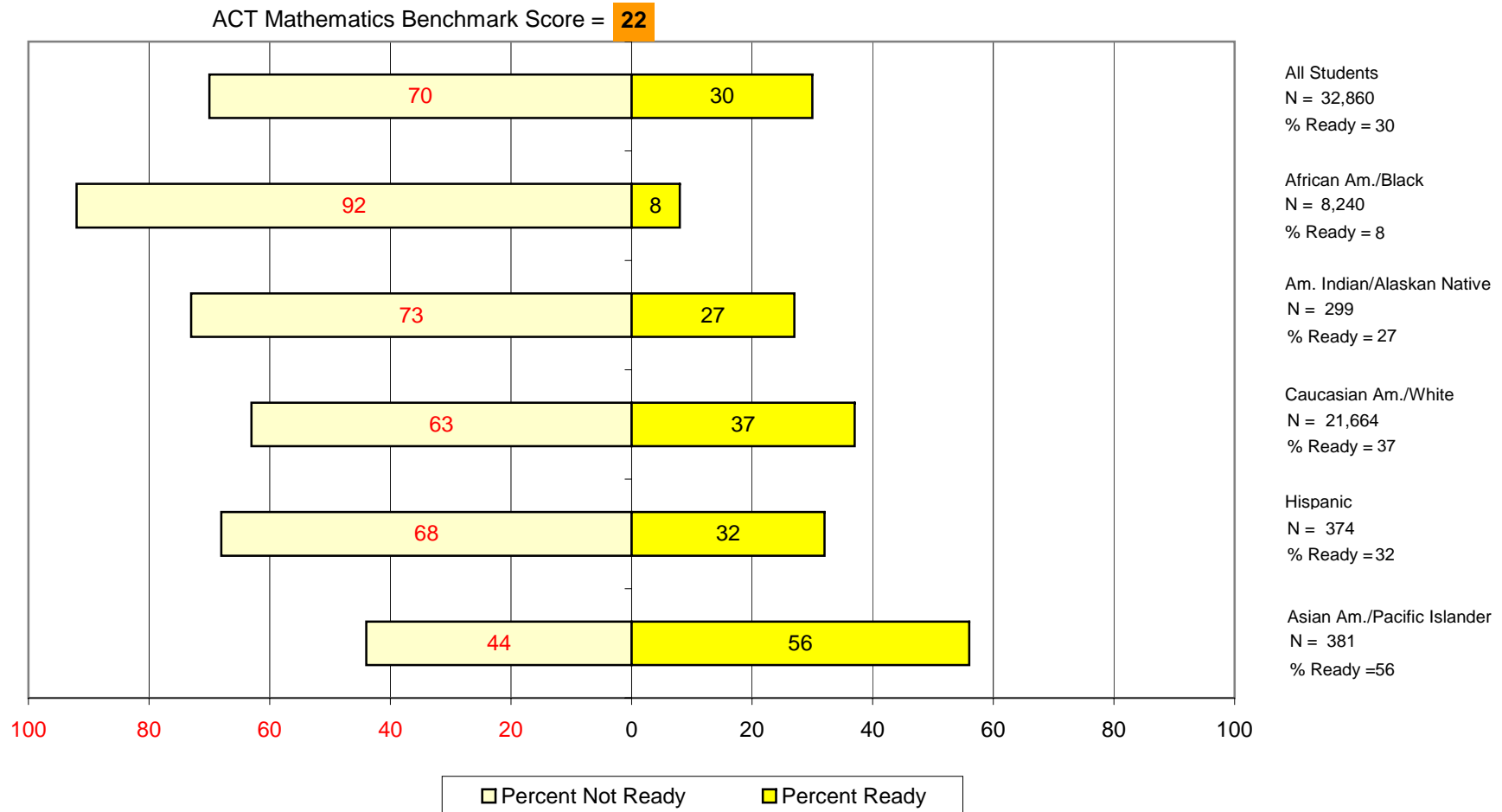


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

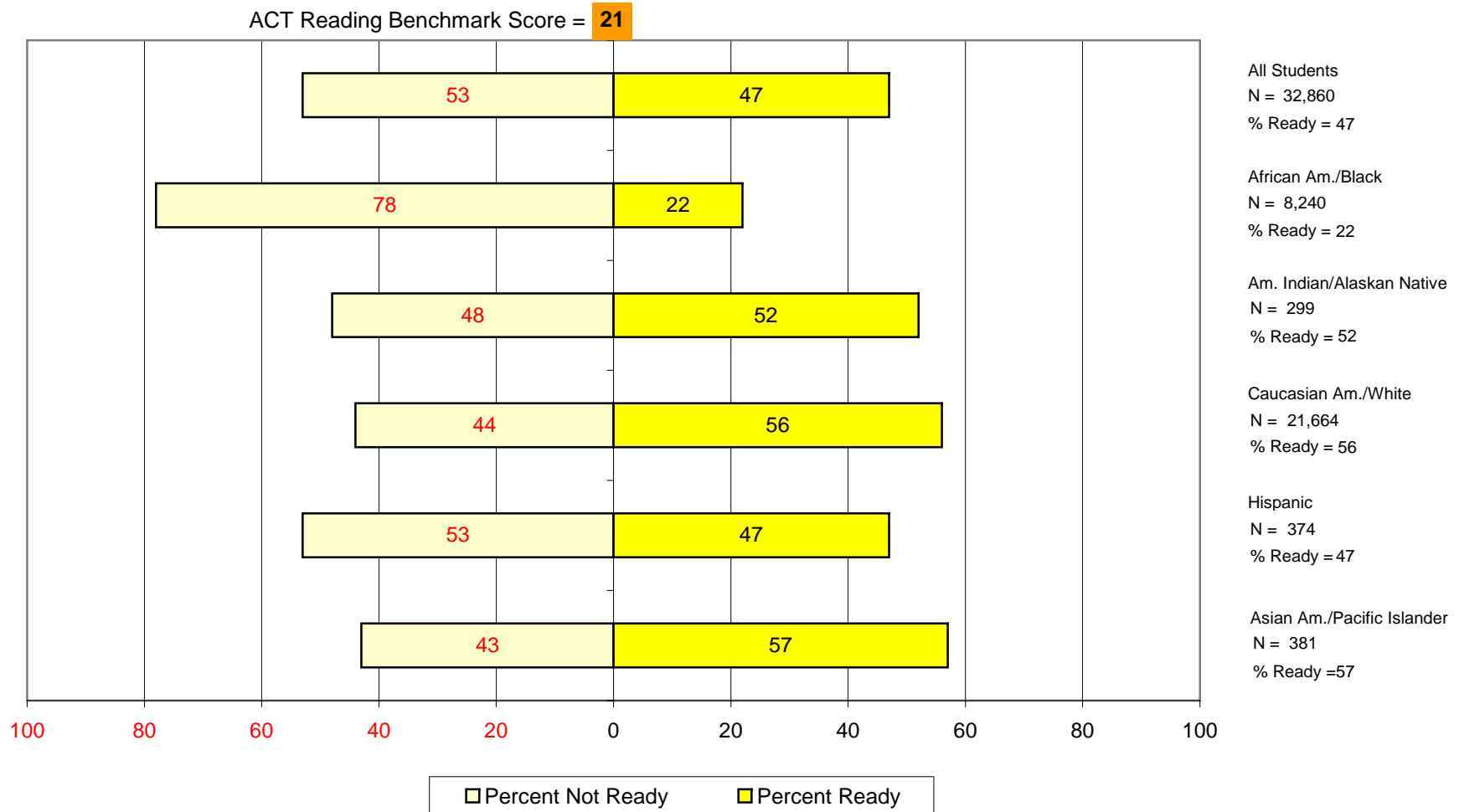


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

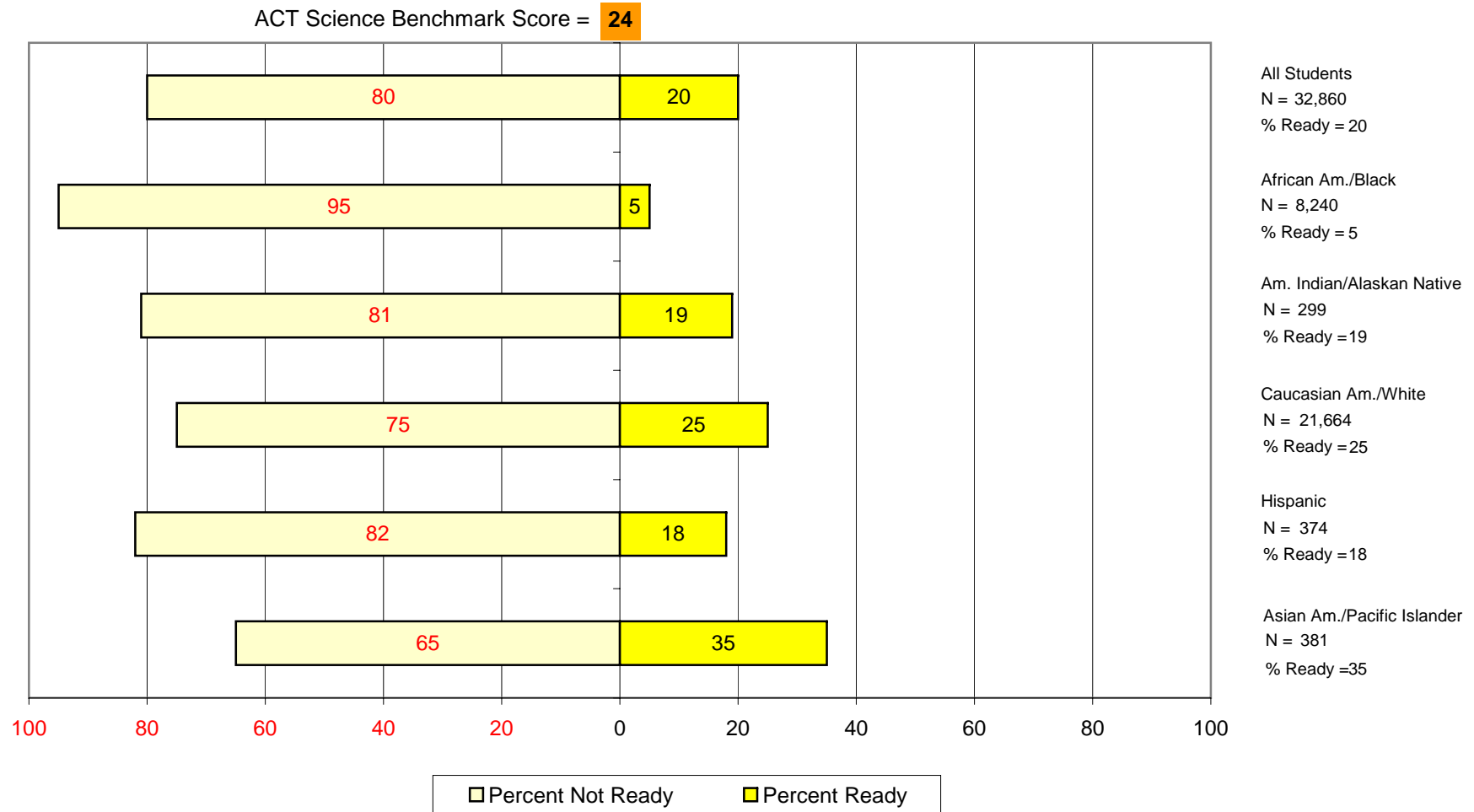
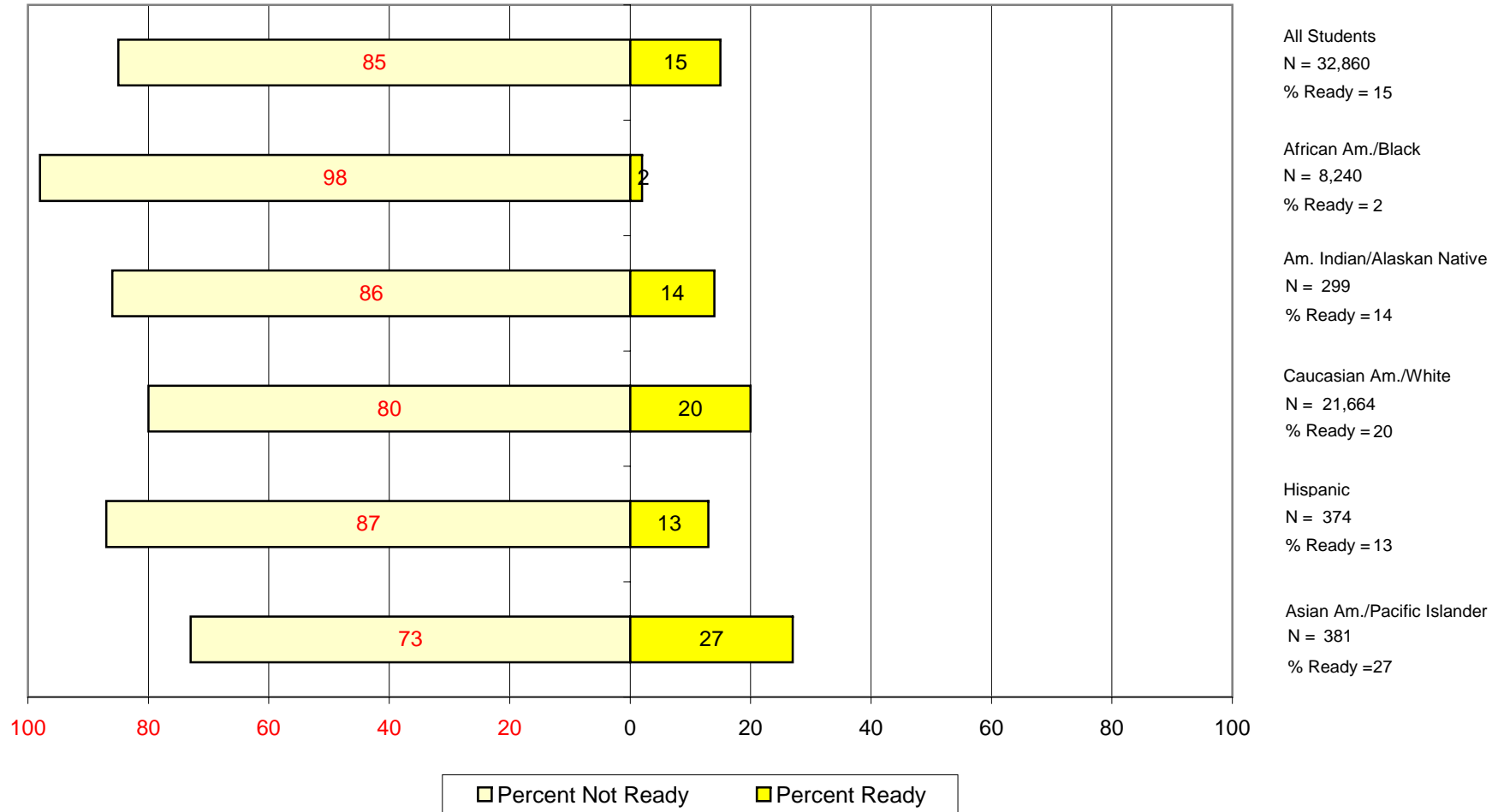


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	5,420	16	21.7	2.3	2,194	15	21.4	2.2	3,185	18	21.9	2.2
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	22,570	69	20.1	0.7	9,656	67	19.6	0.4	12,616	71	20.5	0.8
Less than 4 years of English	2,369	7	19.4	-	1,180	8	19.2	-	1,127	6	19.7	-
No English course/grade information reported	2,501	8	20.1	-	1,339	9	19.7	-	954	5	20.4	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	2,215	7	21.8	5.2	980	7	22.8	5.7	1,212	7	21.1	4.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,815	12	20.1	3.5	1,335	9	21.2	4.1	2,449	14	19.6	3.4
Alg 1, Alg 2, Geom, & Trig	3,235	10	18.6	2.0	1,339	9	19.3	2.2	1,851	10	18.1	1.9
Alg 1, Alg 2, Geom, & Other Adv Math	3,341	10	18.9	2.3	1,313	9	19.4	2.3	1,984	11	18.6	2.4
Other comb of 4 or more years of Math	8,135	25	21.8	5.2	3,606	25	22.6	5.5	4,453	25	21.2	5.0
Alg 1, Alg 2, & Geom (Min. Core)	4,088	12	17.1	0.5	1,846	13	17.5	0.4	2,172	12	16.7	0.5
Other comb of 3 or 3.5 years of Math	1,526	5	18.4	1.8	738	5	18.8	1.7	762	4	18.0	1.8
Less than 3 years of Math	3,896	12	16.6	-	1,820	13	17.1	-	1,992	11	16.2	-
No Math course/grade information reported	2,609	8	19.6	-	1,392	10	20.2	-	1,007	6	18.9	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	692	2	20.8	1.3	370	3	20.8	1.2	316	2	20.9	1.5
Other comb of 4 or more years Social Science	16,450	50	21.2	1.7	6,648	46	21.0	1.4	9,611	54	21.3	1.9
US Hist, World Hist, & Am Gov (Min. Core)	1,279	4	19.3	-0.2	612	4	19.5	-0.1	653	4	19.1	-0.3
Other comb of 3 or 3.5 years of Social Science	8,401	26	20.0	0.5	3,668	26	19.9	0.3	4,618	26	20.0	0.6
Less than 3 years of Social Science	3,358	10	19.5	-	1,643	11	19.6	-	1,642	9	19.4	-
No Soc Sci course/grade information reported	2,680	8	20.4	-	1,428	10	20.4	-	1,042	6	20.5	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	10,443	32	21.0	2.6	4,760	33	21.8	3.3	5,581	31	20.4	2.1
Bio, Chem, Phys	1,826	6	23.1	4.7	811	6	24.1	5.6	999	6	22.2	3.9
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	10,029	31	19.8	1.4	3,895	27	20.0	1.5	6,000	34	19.7	1.4
Other comb of 3 years of Natural Science	814	2	18.7	0.3	378	3	19.0	0.5	429	2	18.4	0.1
Less than 3 years of Natural Science	7,035	21	18.4	-	3,084	21	18.5	-	3,819	21	18.3	-
No Nat Sci course/grade information reported	2,713	8	20.0	-	1,441	10	20.5	-	1,054	6	19.4	-

<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	5,420	16	21.7	76	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	22,570	69	20.1	66	668,226	55	20.4	67
Less than 4 years of English	2,369	7	19.4	62	115,551	10	19.4	62
No English course/grade information reported	2,501	8	20.1	65	150,124	12	20.3	67
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,215	7	21.8	50	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,815	12	20.1	35	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	3,235	10	18.6	20	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	3,341	10	18.9	24	153,394	13	20.3	37
Other comb of 4 or more years of Math	8,135	25	21.8	49	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	4,088	12	17.1	9	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	1,526	5	18.4	21	54,965	5	20.6	40
Less than 3 years of Math	3,896	12	16.6	8	131,567	11	17.9	18
No Math course/grade information reported	2,609	8	19.6	30	158,635	13	20.8	42
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	692	2	20.8	47	31,335	3	22.7	60
Other comb of 4 or more years Social Science	16,450	50	21.2	51	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	1,279	4	19.3	38	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	8,401	26	20.0	42	325,879	27	21.3	52
Less than 3 years of Social Science	3,358	10	19.5	39	179,270	15	20.5	46
No Soc Sci course/grade information reported	2,680	8	20.4	46	158,406	13	21.2	52
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	10,443	32	21.0	27	320,821	27	22.3	38
Bio, Chem, Phys	1,826	6	23.1	45	115,519	10	23.2	45
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	10,029	31	19.8	16	339,689	28	20.2	19
Other comb of 3 years of Natural Science	814	2	18.7	10	32,330	3	20.5	24
Less than 3 years of Natural Science	7,035	21	18.4	10	234,307	19	19.1	14
No Nat Sci course/grade information reported	2,713	8	20.0	19	163,789	14	20.7	26

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



# Section IV

## Career and Educational Aspirations

**Table 4.1. Distribution of Planned Educational Majors for All Students and by College Plans**

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	543	2	17.8	66	3	16.2	429	2	18.1
Architecture & Environmental Design	622	2	20.5	36	2	16.4	556	2	20.8
Business & Management	2,349	7	19.5	129	7	16.6	2,085	8	19.8
Business & Office	207	1	18.4	35	2	17.4	160	1	18.5
Marketing & Distribution	191	1	19.9	9	0	15.6	174	1	20.4
Communications & Comm. Technologies	767	2	20.8	43	2	18.7	683	3	21.1
Community & Personal Services	749	2	18.1	101	5	15.7	599	2	18.6
Computer & Information Sciences	835	3	20.0	62	3	17.2	727	3	20.4
Cross-Disciplinary Studies	24	0	22.6	0	0	.	24	0	22.6
Education	1,091	3	19.8	38	2	16.4	987	4	20.0
Teacher Education	742	2	18.9	26	1	16.5	663	2	19.2
Engineering	1,647	5	21.4	74	4	16.2	1,491	6	21.8
Engineering-Related Technologies	764	2	21.3	53	3	16.8	678	3	21.8
Foreign Languages	100	0	22.8	2	0	15.5	92	0	23.3
Health Sciences & Allied Health Fields	7,181	22	19.8	490	26	17.0	6,373	24	20.2
Human, Family & Consumer Science	293	1	18.5	44	2	17.7	229	1	18.8
Letters	110	0	23.8	6	0	16.2	95	0	24.5
Mathematics	128	0	23.3	7	0	17.3	120	0	23.7
Philosophy, Religion & Theology	209	1	22.1	5	0	19.4	195	1	22.3
Sciences (Biological & Physical)	1,133	3	22.2	14	1	16.5	1,090	4	22.3
Social Sciences	1,797	5	21.0	26	1	16.8	1,694	6	21.2
Trade & Industrial	268	1	17.4	134	7	16.9	111	0	18.4
Visual & Performing Arts	1,395	4	20.4	100	5	16.3	1,171	4	20.8
Undecided	3,431	10	20.5	217	11	16.6	2,927	11	21.0
No Response	6,284	19	20.4	200	10	16.5	3,171	12	20.8

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

<sup>2</sup>Percent of students tested.

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African-Am./ Black		Am. Indian/ Alaskan Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	338	16.5	116	14.8	2	24.0	195	17.3	3	16.0	5	18.0	17	16.9
2-yr College Degree	1,579	16.8	437	14.8	21	17.2	1,022	17.6	12	16.3	6	17.7	81	17.3
Bachelors Degree	11,118	19.4	2,539	16.6	99	19.6	7,776	20.3	118	19.9	82	19.8	504	19.6
Graduate Study	5,397	21.8	1,065	18.2	57	22.3	3,909	22.8	52	21.3	58	22.9	256	21.5
Prof. Level Degree	10,009	21.2	3,028	18.2	94	21.0	6,060	22.6	140	21.0	169	24.6	518	21.4
Other	1,204	17.6	464	15.7	9	17.8	621	19.0	13	18.5	16	19.0	81	18.0
No Response	3,215	20.3	591	16.6	17	18.6	2,081	21.2	36	19.8	45	23.2	445	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
AUBURN UNIVERSITY	Alabama	11,345	4,678	6,667	1	7	28	34	21	9	1
UNIVERSITY OF ALABAMA	Alabama	10,741	3,981	6,760	1	6	29	34	20	9	1
UNIVERSITY OF ALABAMA IN BIRMINGHAM	Alabama	8,395	2,305	6,090	1	11	34	31	16	6	0
TROY UNIVERSITY-TROY	Alabama	4,654	1,011	3,643	2	14	37	30	13	4	0
UNIVERSITY OF SOUTH ALABAMA	Alabama	3,412	1,062	2,350	1	10	33	34	17	5	0
JACKSONVILLE STATE UNIVERSITY	Alabama	3,324	876	2,448	2	15	39	29	11	4	0
UNIVERSITY OF ALABAMA IN HUNTSVILLE	Alabama	2,989	669	2,320	1	8	30	32	19	8	1
UNIVERSITY OF NORTH ALABAMA	Alabama	2,802	681	2,121	1	10	36	32	16	4	0
ALABAMA A & M UNIVERSITY	Alabama	2,799	1,000	1,799	6	30	45	16	3	0	0
ALABAMA STATE UNIVERSITY	Alabama	2,692	779	1,913	6	30	44	16	3	1	0
SAMFORD UNIVERSITY	Alabama	2,112	351	1,761	1	5	21	33	25	14	0
AUBURN UNIVERSITY MONTGOMERY	Alabama	1,961	552	1,409	2	17	42	26	10	2	0
BIRMINGHAM-SOUTHERN COLLEGE	Alabama	1,815	300	1,515	1	8	22	32	23	13	1
UNIVERSITY OF MONTEVALLO	Alabama	1,666	402	1,264	1	9	35	32	17	5	0
SHELTON STATE COMMUNITY COLLEGE	Alabama	1,370	404	966	3	16	46	25	8	2	0
WALLACE STATE COLLEGE	Alabama	1,363	424	939	2	13	45	28	11	1	0
JEFFERSON STATE COMMUNITY COLLEGE	Alabama	1,235	294	941	2	17	43	27	9	2	0
CALHOUN COMMUNITY COLLEGE	Alabama	1,113	382	731	2	13	39	31	12	3	0
UNIVERSITY OF WEST ALABAMA	Alabama	1,098	274	824	2	18	42	28	9	1	0
UNIVERSITY OF MOBILE	Alabama	1,065	174	891	2	10	36	35	13	3	0
TUSKEGEE UNIVERSITY	Alabama	1,033	191	842	4	25	45	20	4	1	0
SOUTHERN UNION STATE COMMUNITY COLLEGE	Alabama	945	223	722	2	16	46	29	6	1	0
MISSISSIPPI STATE UNIVERSITY	Mississippi	827	133	694	1	9	28	26	22	13	1
GADSDEN STATE COMMUNITY COLLEGE	Alabama	746	205	541	1	15	45	28	10	1	0
UNIVERSITY OF GEORGIA	Georgia	740	85	655	0	6	22	31	23	16	1
FAULKNER UNIVERSITY	Alabama	735	137	598	2	19	40	27	10	2	0
MILES COLLEGE	Alabama	697	92	605	9	36	44	10	0	0	0
SPRING HILL COLLEGE	Alabama	692	101	591	2	12	33	31	17	5	1
TROY UNIVERSITY-MONTGOMERY	Alabama	691	91	600	3	22	46	23	5	1	0
FLORIDA STATE UNIVERSITY	Florida	667	127	540	2	11	33	26	18	10	1
All Other Institutions		29,486	6,551	22,935	2	14	32	25	16	10	1
<b>Total</b>		<b>105,210</b>	<b>28,535</b>	<b>76,675</b>	<b>2</b>	<b>13</b>	<b>34</b>	<b>29</b>	<b>15</b>	<b>7</b>	<b>1</b>

# Section V

# Optional Writing Test Results

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing**

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
			State	National	State	National	State	National
<b>All Students</b>	<b>4,259</b>	<b>430,404</b>	<b>24.3</b>	<b>22.4</b>	<b>7.3</b>	<b>7.7</b>	<b>23.0</b>	<b>22.0</b>
African Am./Black	594	38,583	19.6	17.5	6.3	6.8	18.7	17.6
Am. Indian/Alaskan Native	36	2,803	23.9	19.8	7.0	7.1	22.4	19.6
Caucasian Am./White	3,129	269,428	25.1	23.4	7.4	7.8	23.7	22.8
Hispanic	71	33,207	23.2	18.9	7.6	7.4	22.5	19.1
Asian Am./Pacific Islander	95	21,275	27.2	23.0	8.0	8.0	25.9	22.8
Other/No Response	334	65,108	24.4	22.8	7.4	7.9	23.2	22.5
Males	1,742	170,904	24.1	22.1	7.0	7.4	22.6	21.5
Females	2,418	240,056	24.4	22.6	7.4	7.9	23.2	22.3
Missing	99	19,444	23.6	22.1	7.3	7.8	22.5	21.9



