

ACT High School Profile Report

The Graduating Class of 2008
Alabama



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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

16% 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. 35,590 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. 66% 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 10% of the cohort took less than three years of math courses. Of these students, 6% were college ready. 13% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 8% 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 22% of the cohort took less than three years of natural science courses. 10% of these students were college ready. In comparison, 24% 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 60% 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.

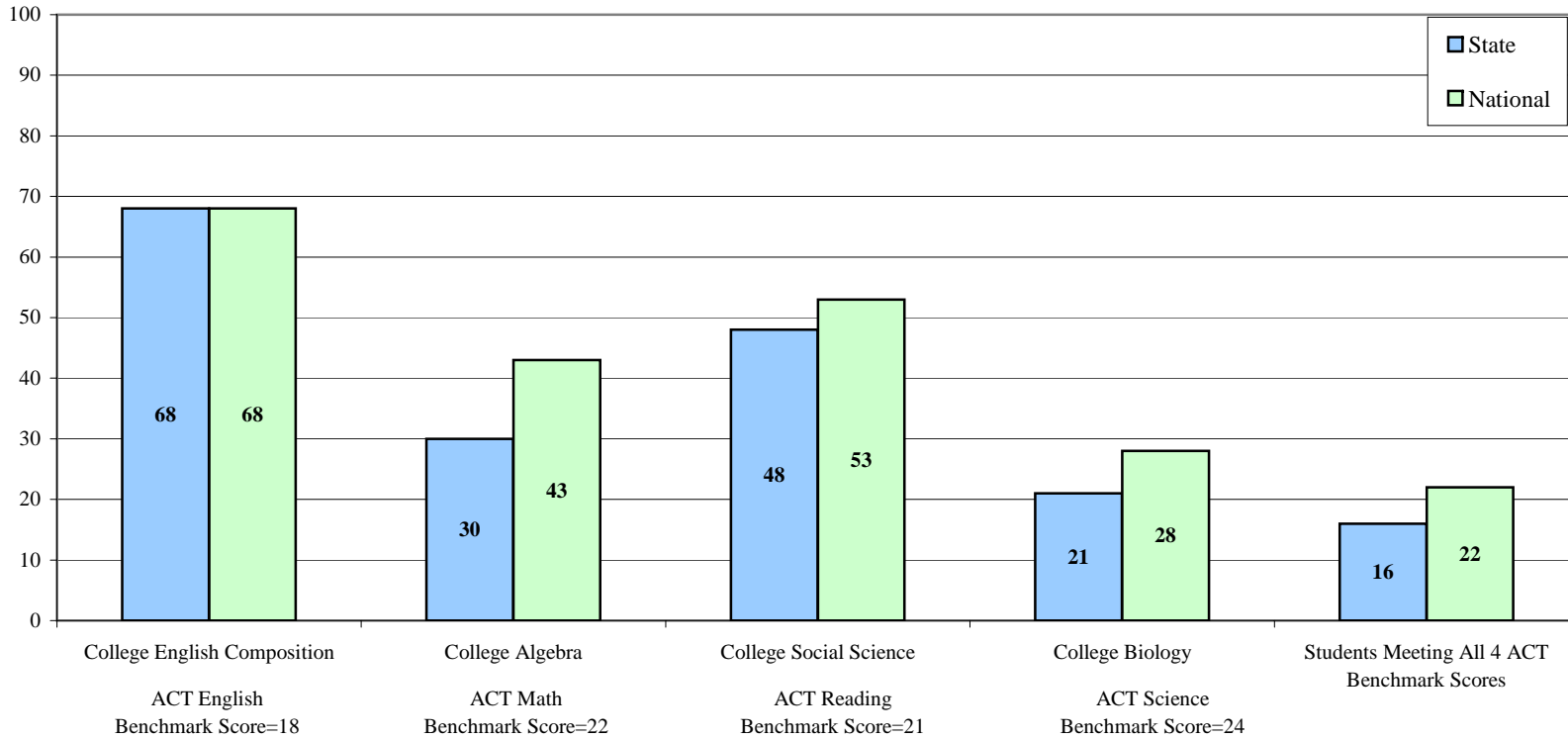
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 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									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
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
2006	32,860	1,206,455	67	69	30	42	47	53	20	27	15	21
2007	34,187	1,300,599	67	69	30	43	46	53	21	28	16	23
2008	35,590	1,421,941	68	68	30	43	48	53	21	28	16	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	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
2006	32,860	1,206,455	20.3	20.6	19.5	20.8	20.6	21.4	20.1	20.9	20.2	21.1
2007	34,187	1,300,599	20.3	20.7	19.5	21.0	20.7	21.5	20.1	21.0	20.3	21.2
2008	35,590	1,421,941	20.6	20.6	19.5	21.0	20.8	21.4	20.1	20.8	20.4	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	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
2006	20,080	10,398	61	32	21.4	18.2	20.3	17.8	21.5	18.9	20.8	18.7	21.1	18.5
2007	19,448	11,236	57	33	21.3	18.4	20.2	18.1	21.5	19.2	20.8	18.8	21.1	18.8
2008	23,336	10,408	66	29	21.6	18.3	20.3	17.8	21.6	19.0	20.8	18.5	21.2	18.5

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	31,548	100	20.2	32,122	100	20.2	32,860	100	20.2	34,187	100	20.3	35,590	100	20.4
African American/Black	7,823	25	17.1	8,011	25	17.1	8,240	25	17.2	8,801	26	17.2	9,349	26	17.2
American Indian/Alaska Native	268	1	20.0	312	1	20.1	299	1	20.3	254	1	20.8	330	1	20.5
Caucasian American/White	21,437	68	21.3	21,649	67	21.3	21,664	66	21.3	21,482	63	21.4	23,054	65	21.5
Hispanic	325	1	20.2	369	1	20.1	374	1	20.3	410	1	20.1	518	1	20.3
Asian American/Pacific Islander	380	1	22.2	408	1	22.5	381	1	22.7	409	1	22.6	497	1	23.0
Other/No Response	1,315	4	20.5	1,373	4	20.5	1,902	6	20.4	2,831	8	21.0	1,842	5	21.3

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	57	100	62	100	183	100	51	100	5	100	36
35	444	100	92	100	201	99	92	100	44	100	35
34	506	99	145	100	328	99	95	100	111	100	34
33	378	97	219	99	510	98	192	99	188	100	33
32	460	96	198	99	542	97	164	99	271	99	32
31	504	95	201	98	727	95	230	98	430	98	31
30	623	93	358	97	1,060	93	317	98	593	97	30
29	871	92	530	96	935	90	364	97	625	95	29
28	726	89	706	95	1,056	87	505	96	841	94	28
27	983	87	890	93	1,055	84	695	94	975	91	27
26	1,283	84	1,136	90	1,123	81	939	92	1,185	89	26
25	1,717	81	1,401	87	1,327	78	1,858	90	1,495	85	25
24	1,686	76	1,568	83	1,567	75	1,937	85	1,814	81	24
23	1,906	71	1,599	79	2,359	70	1,961	79	2,016	76	23
22	2,377	66	1,444	74	1,733	64	3,198	74	2,415	70	22
21	2,879	59	2,022	70	2,395	59	2,646	65	2,760	63	21
20	2,699	51	1,745	65	2,491	52	4,008	57	2,989	56	20
19	2,184	44	2,331	60	2,671	45	3,790	46	3,080	47	19
18	2,001	37	3,318	53	1,699	37	2,976	35	3,105	39	18
17	2,006	32	3,778	44	2,124	33	2,120	27	2,814	30	17
16	1,836	26	5,247	33	2,300	27	2,195	21	2,602	22	16
15	2,082	21	4,007	19	1,907	20	1,420	15	2,100	15	15
14	1,424	15	1,822	7	1,827	15	1,210	11	1,523	9	14
13	1,062	11	525	2	1,519	10	905	7	949	5	13
12	846	8	173	1	936	5	792	5	457	2	12
11	729	6	53	1	580	3	484	3	155	1	11
10	613	4	13	1	257	1	269	1	42	1	10
9	348	2	5	1	107	1	102	1	5	1	9
8	227	1	1	1	28	1	41	1	1	1	8
7	89	1	0	1	22	1	19	1	0	1	7
6	32	1	0	1	9	1	8	1	0	1	6
5	9	1	0	1	4	1	3	1	0	1	5
4	2	1	1	1	7	1	3	1	0	1	4
3	1	1	0	1	1	1	1	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	20.6 (5.9)		19.5 (4.7)		20.8 (5.9)		20.1 (4.6)		20.4 (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	1,173	100	251	100	735	100	721	100	843	100	135	100	139	100	18
17	1,233	97	800	99	1,132	98	1,424	98	906	98	212	100	107	100	17
16	1,696	93	1,580	97	1,375	95	2,596	94	1,202	95	390	99	860	99	16
15	1,338	88	2,063	93	1,873	91	2,198	87	1,295	92	665	98	828	97	15
14	1,759	85	1,860	87	1,663	86	2,483	81	1,913	88	1,951	96	2,198	95	14
13	2,578	80	2,536	82	2,882	81	1,469	74	2,411	83	2,003	91	1,874	88	13
12	2,542	73	4,056	74	2,748	73	3,099	69	2,608	76	2,779	85	2,817	83	12
11	3,515	65	4,015	63	3,490	65	3,908	61	3,037	69	4,245	77	3,217	75	11
10	4,273	56	5,237	52	4,051	55	3,423	50	3,974	60	7,208	65	6,056	66	10
9	3,618	44	3,693	37	4,361	44	3,064	40	3,109	49	5,526	45	5,447	49	9
8	3,305	33	3,793	27	4,695	32	3,080	31	5,654	40	4,579	29	4,219	34	8
7	2,587	24	2,480	16	2,826	19	2,481	23	5,174	24	1,910	17	3,064	22	7
6	2,394	17	1,364	9	1,955	11	2,178	16	2,418	10	1,734	11	1,655	13	6
5	1,695	10	903	5	946	5	2,115	10	670	3	1,296	6	1,457	9	5
4	1,246	5	705	3	494	2	940	4	245	1	463	3	638	5	4
3	467	2	213	1	241	1	279	1	95	1	367	1	737	3	3
2	157	1	39	1	95	1	125	1	30	1	51	1	147	1	2
1	14	1	2	1	28	1	7	1	6	1	76	1	130	1	1
Avg (SD)	10.3 (3.7)		10.6 (3.1)		10.4 (3.4)		10.6 (3.8)		10.1 (3.3)		9.8 (2.7)		9.6 (3.0)		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)	24	23	25	23	23
Q2 (50th Percentile)	20	18	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	35,590	66	21.2	18.5
	African Am./Black	9,349	60	17.8	16.3
	Am. Indian/Alaska Native	330	69	21.4	18.6
	Caucasian Am./White	23,054	68	22.3	19.6
	Hispanic	518	64	21.8	17.8
	Asian Am./Pacific Islander	497	73	23.8	20.5
	Other/No Response	1,842	54	21.9	19.7
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	20.6	19.5	20.8	20.1	20.4
	African Am./Black	16.9	16.8	17.2	17.6	17.2
	Am. Indian/Alaska Native	20.8	19.7	21.1	20.1	20.5
	Caucasian Am./White	21.9	20.5	22.1	21.0	21.5
	Hispanic	20.0	19.7	21.1	20.1	20.3
	Asian Am./Pacific Islander	22.5	23.7	22.7	22.6	23.0
	Other/No Response	21.6	20.5	22.0	20.7	21.3
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	1,385	4	518	1	1,222	3	430	1
	28 to 32	3,184	9	1,993	6	4,320	12	1,580	4
	24 to 27	5,669	16	4,995	14	5,072	14	5,429	15
	20 to 23	9,861	28	6,810	19	8,978	25	11,813	33
	16 to 19	8,027	23	14,674	41	8,794	25	11,081	31
	13 to 15	4,568	13	6,354	18	5,253	15	3,535	10
	01 to 12	2,896	8	246	1	1,951	5	1,722	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	15,956	45	20.1	20.1	20.8	20.5	20.5
	Females	19,103	54	20.9	19.0	20.8	19.6	20.2
	Missing	531	1	21.8	21.0	22.4	21.1	21.7
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	65	34	48	25	19
	Females	71	25	48	17	13
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	23,336	75	21.6	36	20.3	54	21.6	25	20.8	19	21.2
	Non-Core	10,408	53	18.3	16	17.8	34	19.0	11	18.5	8	18.5
	Missing	1,846	66	20.3	31	19.7	48	20.8	21	20.0	16	20.3
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	32,375	69	20.6	30,400	32	19.9	31,015	49	20.9	26,238	24	20.6
	Non-Core	1,753	62	19.4	3,579	6	16.5	2,954	38	19.6	7,680	10	18.3
	Missing	1,462	69	20.7	1,611	32	19.8	1,621	50	21.1	1,672	22	20.1
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

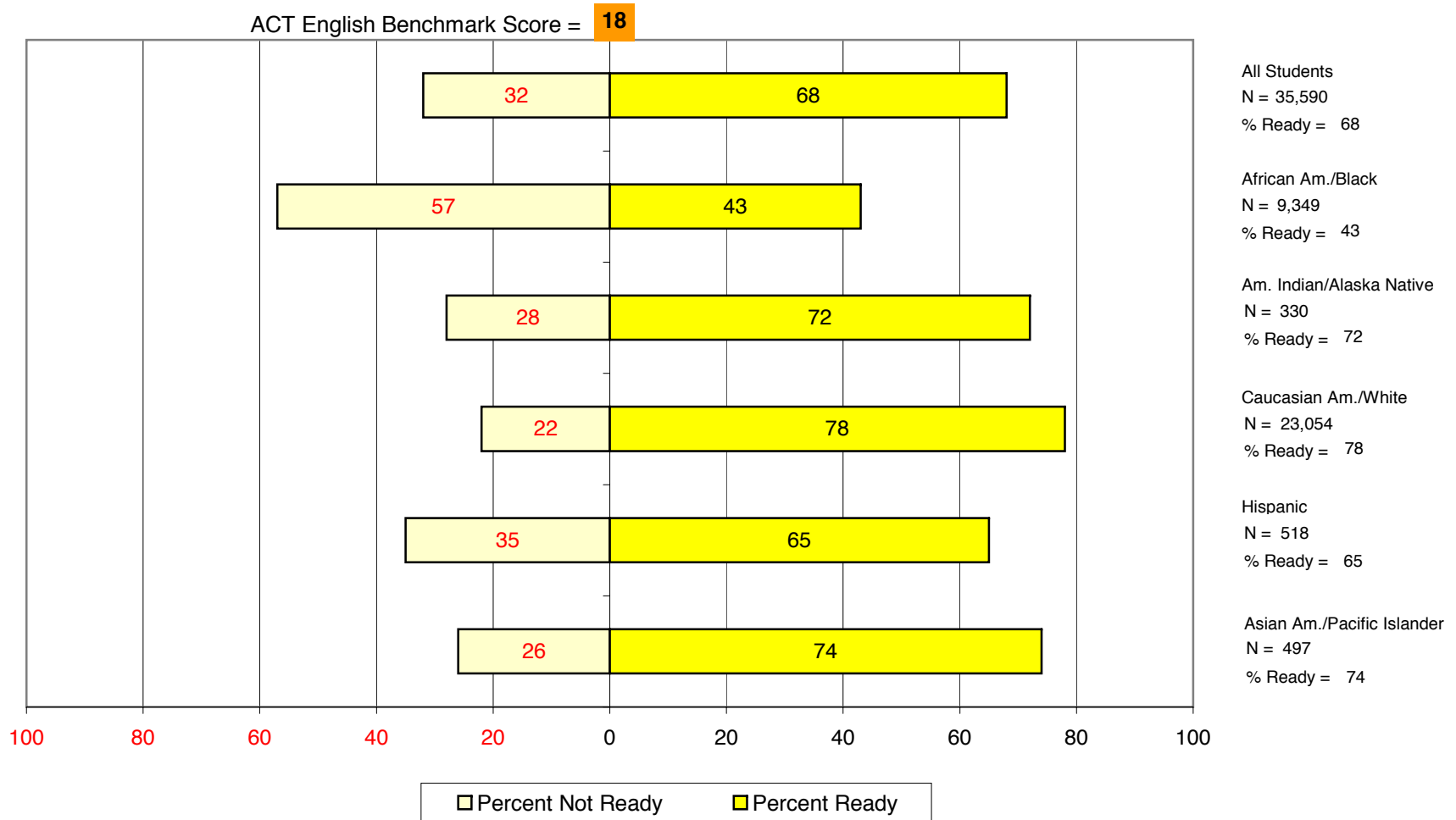


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

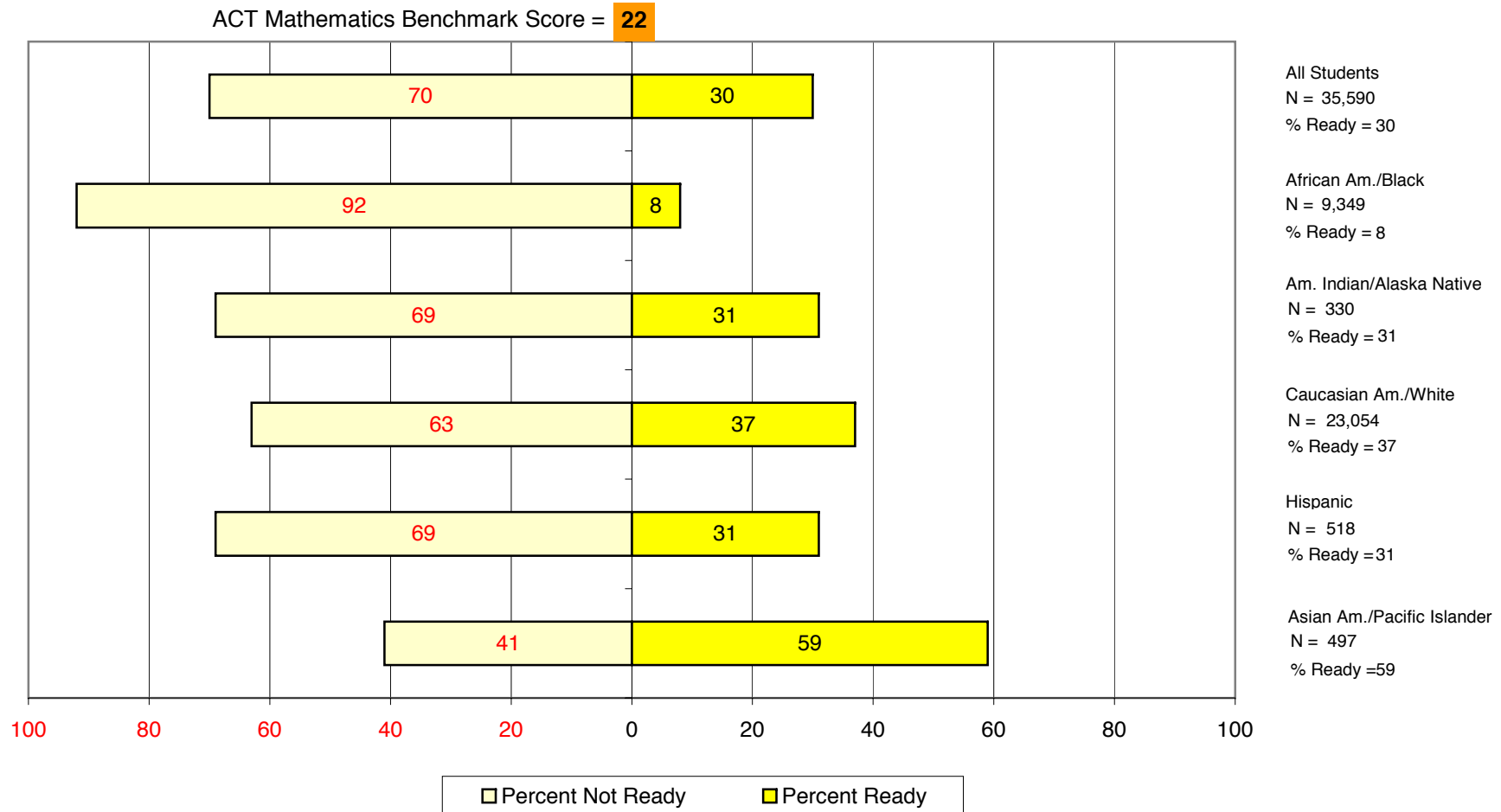


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

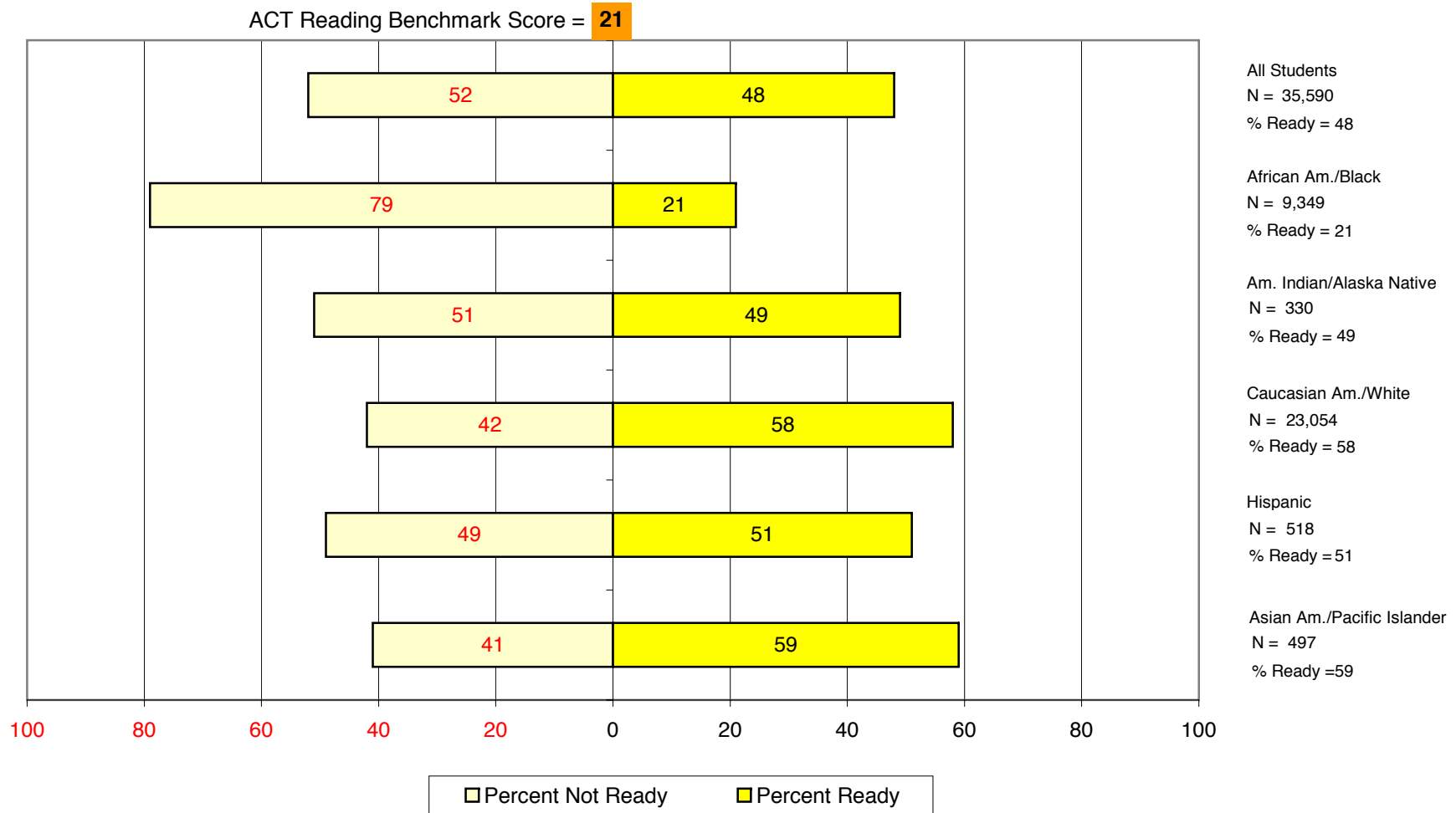


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

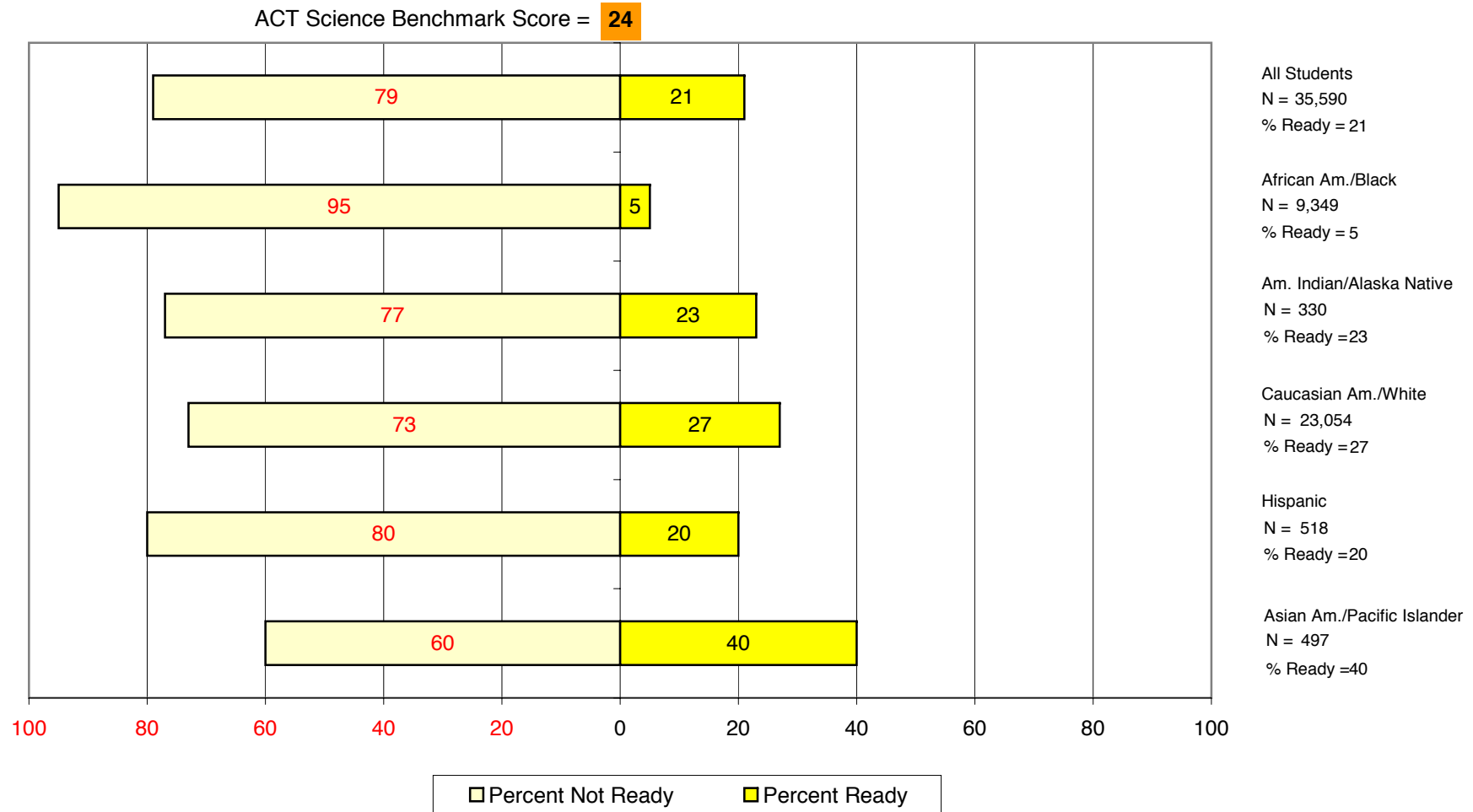


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

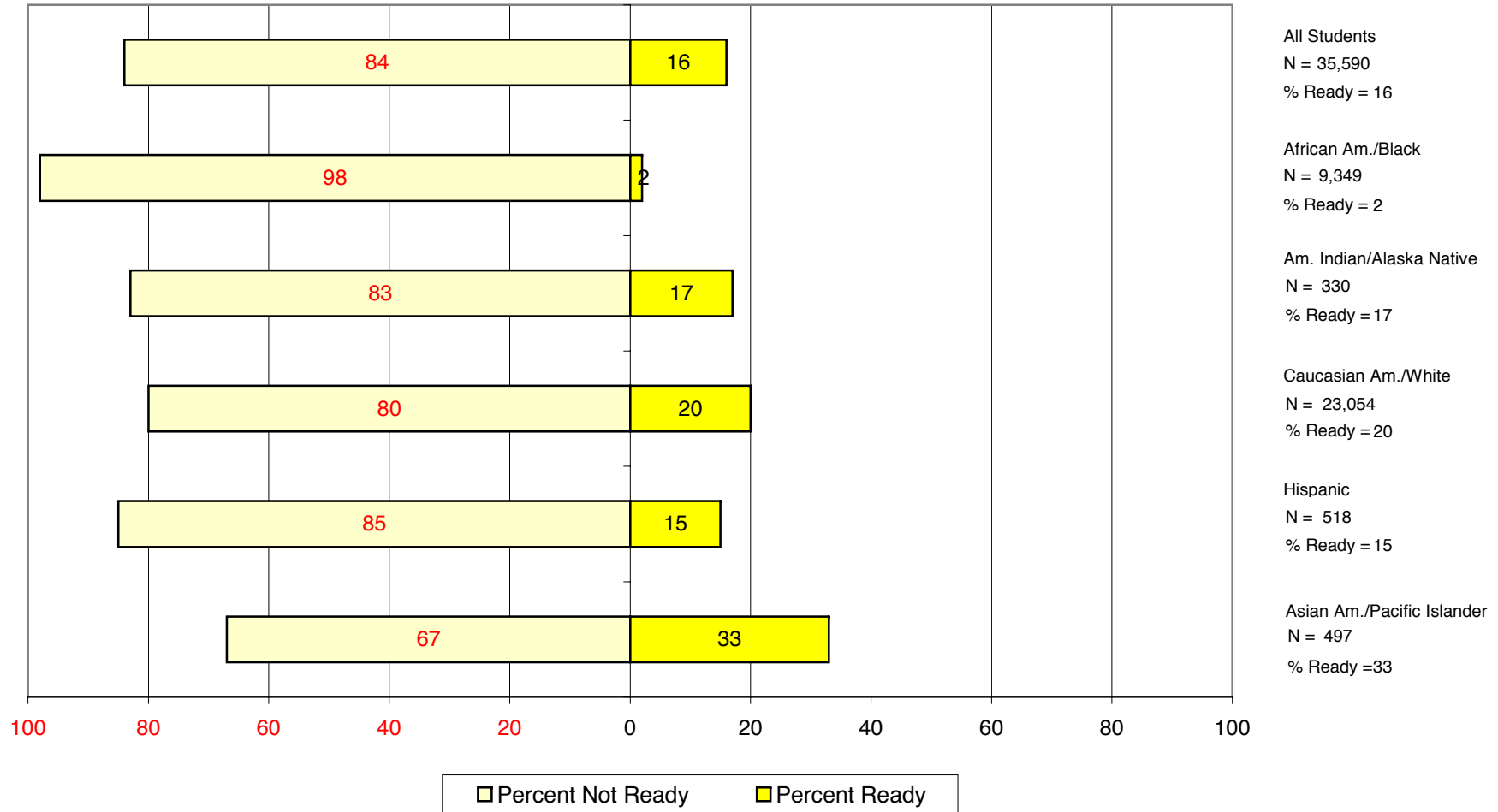


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	4,624	13	21.8	2.4	2,003	13	21.1	2.0	2,594	14	22.4	2.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	27,751	78	20.4	1.0	12,453	78	20.0	0.9	15,062	79	20.7	1.1
Less than 4 years of English	1,770	5	19.4	-	844	5	19.1	-	867	5	19.6	-
No English course/grade information reported	1,445	4	20.8	-	656	4	19.9	-	580	3	21.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,542	7	21.7	5.2	1,120	7	22.6	5.8	1,390	7	21.0	4.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,726	13	20.3	3.8	1,745	11	21.3	4.5	2,946	15	19.8	3.7
Alg 1, Alg 2, Geom, & Trig	3,375	9	18.4	1.9	1,463	9	19.0	2.2	1,879	10	17.9	1.8
Alg 1, Alg 2, Geom, & Other Adv Math	3,674	10	18.8	2.3	1,511	9	19.5	2.7	2,128	11	18.4	2.3
Other comb of 4 or more years of Math	9,798	28	21.7	5.2	4,640	29	22.4	5.6	5,076	27	21.1	5.0
Alg 1, Alg 2, & Geom (Min. Core)	4,629	13	17.0	0.5	2,190	14	17.3	0.5	2,393	13	16.6	0.5
Other comb of 3 or 3.5 years of Math	1,656	5	18.6	2.1	842	5	18.8	2.0	798	4	18.4	2.3
Less than 3 years of Math	3,670	10	16.5	-	1,753	11	16.8	-	1,882	10	16.1	-
No Math course/grade information reported	1,520	4	20.0	-	692	4	20.0	-	611	3	19.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	737	2	21.3	1.7	378	2	21.6	2.0	352	2	21.0	1.5
Other comb of 4 or more years Social Science	18,859	53	21.3	1.7	8,228	52	21.3	1.7	10,476	55	21.4	1.9
US Hist, World Hist, & Am Gov (Min. Core)	1,240	3	19.4	-0.2	612	4	19.8	0.2	619	3	19.1	-0.4
Other comb of 3 or 3.5 years of Social Science	10,179	29	20.3	0.7	4,516	28	20.3	0.7	5,584	29	20.2	0.7
Less than 3 years of Social Science	3,000	8	19.6	-	1,507	9	19.6	-	1,432	7	19.5	-
No Soc Sci course/grade information reported	1,575	4	21.1	-	715	4	20.7	-	640	3	20.9	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	12,071	34	20.9	2.6	5,875	37	21.5	3.0	6,081	32	20.3	2.2
Bio, Chem, Phys	1,915	5	23.4	5.1	890	6	24.6	6.1	998	5	22.4	4.3
Gen Sci ² , Bio, Chem (Min. Core)	11,279	32	20.0	1.7	4,478	28	20.3	1.8	6,705	35	19.8	1.7
Other comb of 3 years of Natural Science	973	3	18.4	0.1	453	3	19.3	0.8	505	3	17.8	-0.3
Less than 3 years of Natural Science	7,798	22	18.3	-	3,543	22	18.5	-	4,197	22	18.1	-
No Nat Sci course/grade information reported	1,554	4	20.2	-	717	4	20.1	-	617	3	19.7	-

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	4,624	13	21.8	75	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	27,751	78	20.4	67	949,721	67	20.5	68
Less than 4 years of English	1,770	5	19.4	61	112,496	8	18.8	56
No English course/grade information reported	1,445	4	20.8	70	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,542	7	21.7	48	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,726	13	20.3	36	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	3,375	9	18.4	19	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	3,674	10	18.8	23	204,909	14	20.4	38
Other comb of 4 or more years of Math	9,798	28	21.7	48	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	4,629	13	17.0	8	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	1,656	5	18.6	21	70,951	5	20.8	41
Less than 3 years of Math	3,670	10	16.5	6	131,252	9	17.4	14
No Math course/grade information reported	1,520	4	20.0	34	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	737	2	21.3	52	42,546	3	22.7	61
Other comb of 4 or more years Social Science	18,859	53	21.3	52	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	1,240	3	19.4	38	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	10,179	29	20.3	44	404,731	28	21.3	52
Less than 3 years of Social Science	3,000	8	19.6	38	185,561	13	20.4	45
No Soc Sci course/grade information reported	1,575	4	21.1	51	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	12,071	34	20.9	27	453,654	32	22.2	38
Bio, Chem, Phys	1,915	5	23.4	47	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	11,279	32	20.0	18	435,183	31	20.1	20
Other comb of 3 years of Natural Science	973	3	18.4	12	40,179	3	20.1	22
Less than 3 years of Natural Science	7,798	22	18.3	10	259,142	18	18.7	13
No Nat Sci course/grade information reported	1,554	4	20.2	23	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	642	2	18.1	63	3	15.9	536	2	18.5
Architecture & Environmental Design	635	2	20.6	30	1	16.5	570	2	20.9
Business & Management	3,001	8	19.8	128	6	17.0	2,672	9	20.0
Business & Office	269	1	18.7	35	2	18.3	211	1	18.8
Marketing & Distribution	242	1	20.5	9	0	17.0	216	1	20.6
Communications & Comm. Technologies	772	2	20.9	26	1	17.5	699	2	21.1
Community & Personal Services	837	2	18.2	118	5	16.4	664	2	18.6
Computer & Information Sciences	910	3	20.2	80	4	17.3	770	3	20.6
Cross-Disciplinary Studies	43	0	22.9	4	0	18.5	37	0	23.4
Education	1,534	4	20.0	53	2	16.7	1,395	5	20.2
Teacher Education	1,049	3	18.9	45	2	15.9	926	3	19.1
Engineering	1,990	6	21.7	115	5	15.9	1,788	6	22.1
Engineering-Related Technologies	945	3	21.1	75	3	16.7	840	3	21.5
Foreign Languages	141	0	23.0	5	0	15.6	125	0	23.3
Health Sciences & Allied Health Fields	8,072	23	20.0	590	27	17.0	7,096	24	20.3
Human, Family & Consumer Science	405	1	18.2	62	3	16.4	308	1	18.6
Letters	140	0	24.2	3	0	21.3	127	0	24.3
Mathematics	144	0	22.6	3	0	15.0	128	0	22.9
Philosophy, Religion & Theology	194	1	22.0	7	0	18.3	170	1	22.2
Sciences (Biological & Physical)	1,474	4	22.7	18	1	17.6	1,395	5	22.8
Social Sciences	1,784	5	21.4	13	1	17.2	1,694	6	21.4
Trade & Industrial	377	1	17.0	195	9	16.5	155	1	17.6
Visual & Performing Arts	1,601	4	20.5	107	5	16.5	1,392	5	20.9
Undecided	5,173	15	20.6	289	13	16.7	4,415	15	20.9
No Response	3,216	9	20.6	80	4	15.8	1,159	4	21.1

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	329	16.1	106	14.9	0	.	211	16.6	2	16.5	1	19.0	9	17.8
2-yr College Degree	1,824	16.8	570	15.0	18	16.5	1,129	17.7	34	15.5	8	17.0	65	17.3
Bachelors Degree	13,203	19.4	3,294	16.6	116	19.4	9,024	20.5	163	19.0	121	20.0	485	19.8
Graduate Study	5,600	21.9	1,150	17.9	47	21.9	4,017	23.0	75	21.7	63	23.2	248	22.3
Prof. Level Degree	10,685	21.6	3,285	18.3	116	22.2	6,300	23.1	193	22.2	251	24.8	540	22.3
Other	1,055	17.8	436	16.1	6	17.2	532	19.2	14	17.7	11	18.0	56	18.1
No Response	2,894	20.8	508	16.4	27	19.5	1,841	21.6	37	19.4	42	23.1	439	22.5

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 ALABAMA	Alabama	10,868	4,186	6,682	1	6	27	33	21	10	1
AUBURN UNIVERSITY	Alabama	10,558	4,340	6,218	1	7	24	33	22	12	1
UNIVERSITY OF ALABAMA IN BIRMINGHAM	Alabama	7,693	1,921	5,772	1	10	31	32	17	8	1
TROY UNIVERSITY-TROY	Alabama	4,923	1,181	3,742	2	13	36	31	14	4	0
JACKSONVILLE STATE UNIVERSITY	Alabama	3,708	1,032	2,676	2	16	39	27	12	2	0
UNIVERSITY OF SOUTH ALABAMA	Alabama	3,436	1,136	2,300	1	11	33	33	16	6	0
UNIVERSITY OF ALABAMA IN HUNTSVILLE	Alabama	2,905	698	2,207	1	8	30	30	21	9	1
UNIVERSITY OF NORTH ALABAMA	Alabama	2,796	789	2,007	1	10	35	32	16	4	0
ALABAMA A & M UNIVERSITY	Alabama	2,610	887	1,723	6	31	47	14	2	0	0
ALABAMA STATE UNIVERSITY	Alabama	2,478	742	1,736	6	33	43	15	3	1	0
AUBURN UNIVERSITY MONTGOMERY	Alabama	2,002	554	1,448	3	16	39	28	11	3	0
SAMFORD UNIVERSITY	Alabama	1,993	346	1,647	1	6	20	33	25	15	1
UNIVERSITY OF MONTEVALLO	Alabama	1,535	394	1,141	1	8	32	34	19	7	0
BIRMINGHAM-SOUTHERN COLLEGE	Alabama	1,482	236	1,246	1	10	22	27	24	16	2
SHELTON STATE COMMUNITY COLLEGE	Alabama	1,358	395	963	2	18	43	28	7	2	0
WALLACE STATE COLLEGE	Alabama	1,242	428	814	1	14	44	29	10	2	0
JEFFERSON STATE COMMUNITY COLLEGE	Alabama	1,222	369	853	2	17	42	30	8	1	0
CALHOUN COMMUNITY COLLEGE	Alabama	1,121	423	698	2	13	38	31	14	2	0
TUSKEGEE UNIVERSITY	Alabama	1,077	215	862	5	22	47	21	5	0	0
UNIVERSITY OF WEST ALABAMA	Alabama	1,037	245	792	1	20	41	27	8	2	0
UNIVERSITY OF MOBILE	Alabama	1,034	173	861	2	12	32	36	15	4	0
MISSISSIPPI STATE UNIVERSITY	Mississippi	932	127	805	1	6	24	28	24	14	1
SOUTHERN UNION STATE COMMUNITY COLLEGE	Alabama	887	236	651	1	16	41	32	8	2	0
GADSDEN STATE COMMUNITY COLLEGE	Alabama	804	256	548	2	15	43	29	9	1	0
NCAA ELIGIBILITY CENTER	Indiana	795	336	459	2	14	37	28	14	5	0
TROY UNIVERSITY-MONTGOMERY	Alabama	760	98	662	3	21	44	25	6	2	0
UNIVERSITY OF GEORGIA	Georgia	725	102	623	1	7	19	26	24	20	3
MILES COLLEGE	Alabama	719	128	591	8	38	46	7	2	0	0
FAULKNER UNIVERSITY	Alabama	714	175	539	2	18	39	26	11	3	0
STILLMAN COLLEGE	Alabama	680	126	554	7	31	48	11	2	0	0
All Other Institutions		28,608	6,405	22,203	2	14	30	26	16	11	2
Total		102,702	28,679	74,023	2	13	32	28	16	8	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	State	National
All Students	5,426	770,529	23.8	21.4	7.0	7.3	22.3	20.9
African Am./Black	1,142	86,049	19.1	16.6	6.4	6.5	18.4	16.6
Am. Indian/Alaska Native	41	5,148	22.6	18.9	7.0	6.7	21.4	18.5
Caucasian Am./White	3,506	464,177	25.1	22.5	7.1	7.4	23.4	21.8
Hispanic	118	71,060	23.1	18.3	7.3	7.1	22.2	18.5
Asian Am./Pacific Islander	174	37,359	25.6	23.1	7.7	7.9	24.4	22.6
Other/No Response	445	106,736	25.0	22.2	7.2	7.5	23.4	21.7
Males	2,250	327,613	23.6	20.9	6.7	7.0	22.0	20.2
Females	3,052	421,968	23.8	21.7	7.2	7.6	22.6	21.3
Missing	124	20,948	25.2	23.9	7.1	7.9	23.6	23.2

