

ACT Profile Report - State

Graduating Class 2010
Tennessee



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This report provides information about the performance of your 2010 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 2010 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

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

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

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

Awareness - extent to which student aspirations match performance

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

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

Furthermore, 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. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

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

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 66,552 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 63% 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, 2% were college ready. 32% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 7% of these students were college ready. In comparison, 45% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry 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 23% of the cohort took less than three years of natural science courses. 9% 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 64% 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.

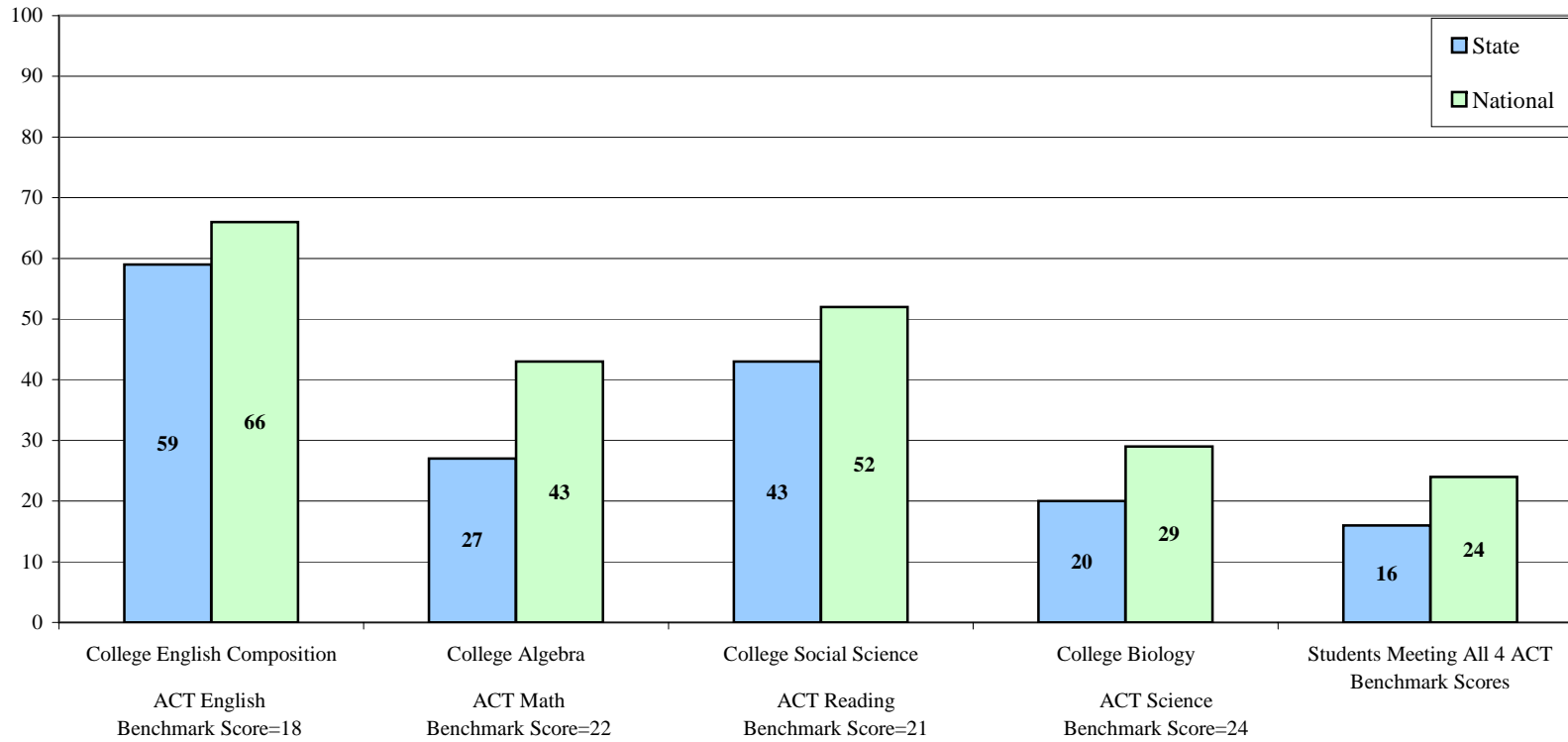
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

Section I

Executive Summary

Total Students in Report: 66,552

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



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

Total Students in Report: 66,552

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

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2006	44,985	1,206,455	70	69	34	42	51	53	23	27	17	21
2007	48,113	1,300,599	70	69	33	43	50	53	23	28	18	23
2008	50,225	1,421,941	70	68	33	43	51	53	23	28	18	22
2009	52,052	1,480,469	69	67	33	42	50	53	24	28	18	23
2010	66,552	1,568,835	59	66	27	43	43	52	20	29	16	24

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2006	44,985	1,206,455	20.8	20.6	19.9	20.8	21.1	21.4	20.3	20.9	20.7	21.1
2007	48,113	1,300,599	20.8	20.7	19.9	21.0	21.1	21.5	20.4	21.0	20.7	21.2
2008	50,225	1,421,941	20.8	20.6	19.9	21.0	21.1	21.4	20.3	20.8	20.7	21.1
2009	52,052	1,480,469	20.7	20.6	19.8	21.0	21.0	21.4	20.4	20.9	20.6	21.1
2010	66,552	1,568,835	19.4	20.5	19.0	21.0	19.9	21.3	19.6	20.9	19.6	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
2010	1,568,835	20.5	21.0	21.3	20.9	21.0

Total Students in Report: 66,552

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
2006	27,734	14,736	62	33	21.7	19.1	20.6	18.6	21.7	19.7	20.9	19.2	21.4	19.3
2007	28,474	15,656	59	33	21.5	19.1	20.5	18.6	21.7	19.9	20.9	19.2	21.3	19.3
2008	33,031	15,344	66	31	21.6	19.1	20.5	18.5	21.8	19.8	20.9	19.1	21.3	19.2
2009	37,297	13,918	72	27	21.6	18.7	20.5	18.2	21.7	19.3	21.0	18.8	21.3	18.9
2010	41,629	22,318	63	34	21.1	16.9	20.1	17.3	21.3	17.8	20.8	17.8	20.9	17.6

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

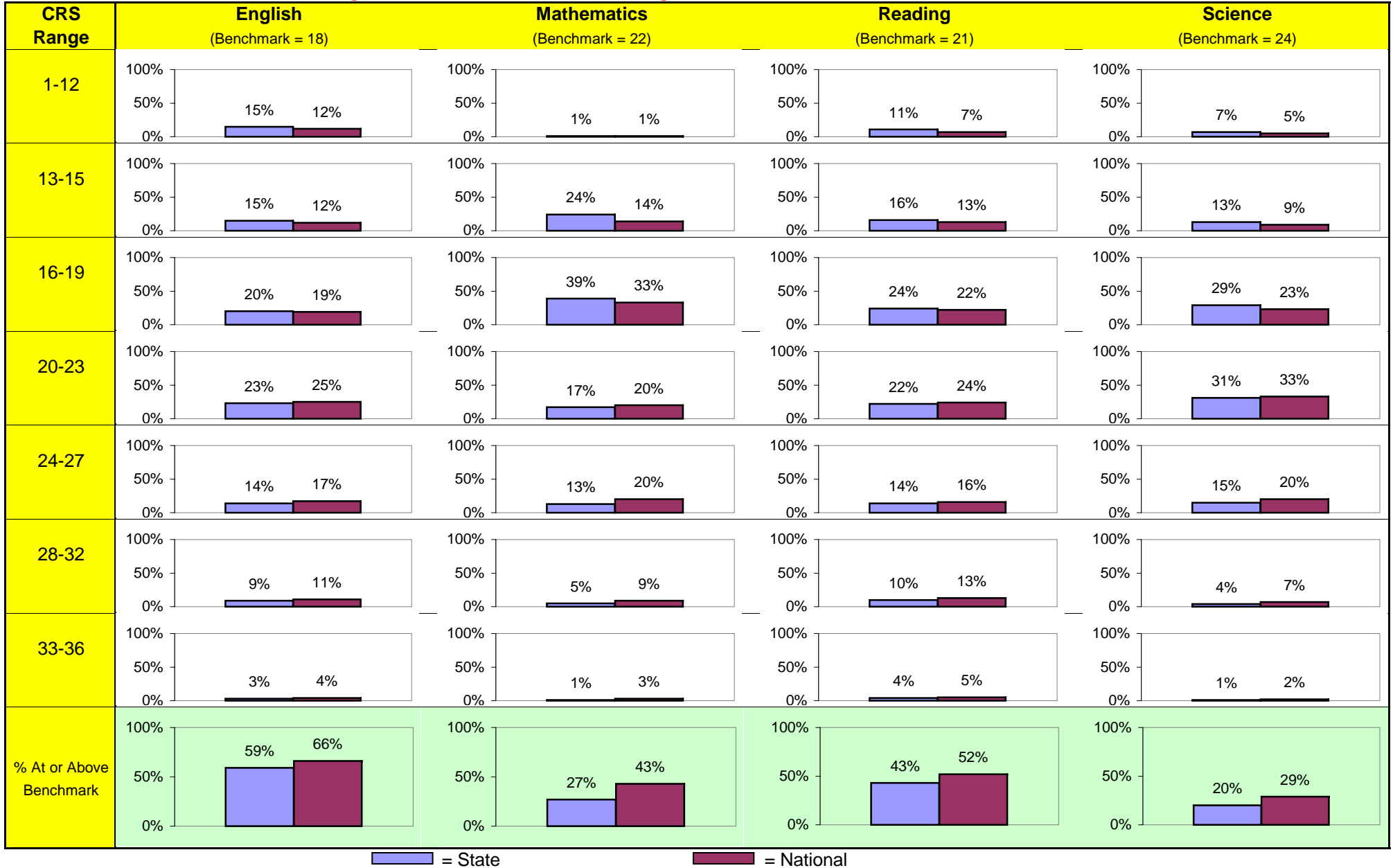
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	44,985	100	20.7	48,113	100	20.7	50,225	100	20.7	52,052	100	20.6	66,552	100	19.6
African American/Black	7,952	18	17.1	8,790	18	17.0	9,594	19	17.0	10,283	20	16.9	13,267	20	16.3
American Indian/Alaska Native	143	0	20.8	179	0	20.5	155	0	20.3	179	0	19.9	257	0	18.9
Caucasian American/White	32,350	72	21.5	33,538	70	21.5	35,402	70	21.6	36,911	71	21.6	45,980	69	20.6
Hispanic	791	2	19.8	841	2	19.3	1,146	2	19.5	1,220	2	19.2	2,044	3	18.0
Asian American/Pacific Islander	806	2	22.3	872	2	22.5	904	2	22.5	876	2	22.9	1,128	2	22.5
Other/No Response	2,943	7	20.8	3,893	8	21.6	3,024	6	21.1	2,583	5	20.8	3,876	6	19.3

Total Students in Report: 66,552

Table 1.6. Percent of Students in College Readiness Standards Score Ranges



Section II

Academic Achievement

Total Students in Report: 66,552

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	170	100	70	100	325	100	121	100	15	100	36
35	663	100	235	100	339	100	160	100	100	100	35
34	666	99	210	100	763	99	151	100	191	100	34
33	753	98	290	99	977	98	286	99	307	100	33
32	665	97	443	99	917	96	124	99	511	99	32
31	816	96	367	98	1,171	95	436	99	704	98	31
30	1,328	94	596	98	1,443	93	625	98	909	97	30
29	1,167	92	659	97	1,510	91	785	97	1,225	96	29
28	1,794	91	1,048	96	1,579	89	1,020	96	1,459	94	28
27	1,386	88	1,576	94	1,805	86	1,444	94	1,718	92	27
26	2,400	86	1,883	92	1,992	84	1,975	92	2,196	89	26
25	2,717	82	2,197	89	2,517	81	3,242	89	2,499	86	25
24	3,029	78	3,026	86	2,679	77	2,994	84	2,917	82	24
23	2,716	74	2,854	81	2,781	73	4,389	80	3,365	78	23
22	3,732	70	2,666	77	4,349	69	4,487	73	3,954	73	22
21	4,342	64	2,543	73	3,501	62	5,473	67	4,667	67	21
20	4,185	57	3,107	69	3,764	57	6,237	58	4,290	60	20
19	3,724	51	3,596	64	4,573	51	4,449	49	4,779	53	19
18	2,847	46	5,087	59	2,947	44	5,890	42	4,850	46	18
17	3,641	41	7,156	51	3,828	40	3,682	33	4,871	39	17
16	3,292	36	10,434	40	4,684	34	5,177	28	4,863	32	16
15	4,176	31	9,739	25	2,929	27	3,203	20	4,729	24	15
14	3,606	25	4,795	10	3,597	23	2,859	15	4,465	17	14
13	2,475	19	1,417	3	4,149	17	2,618	11	3,688	10	13
12	1,667	15	351	1	3,634	11	1,821	7	2,339	5	12
11	3,224	13	168	1	1,723	6	1,354	4	726	1	11
10	1,939	8	28	1	1,341	3	833	2	165	1	10
9	1,542	5	3	1	385	1	433	1	37	1	9
8	1,224	3	4	1	82	1	172	1	8	1	8
7	462	1	0	1	164	1	72	1	3	1	7
6	135	1	2	1	59	1	26	1	1	1	6
5	47	1	0	1	25	1	10	1	1	1	5
4	10	1	1	1	2	1	0	1	0	1	4
3	10	1	0	1	10	1	4	1	0	1	3
2	1	1	0	1	8	1	0	1	0	1	2
1	1	1	1	1	0	1	0	1	0	1	1
Avg (SD)	19.4 (6.5)		19.0 (4.7)		19.9 (6.2)		19.6 (4.9)		19.6 (5.1)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

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

Total Students in Report: 66,552

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	2,171	100	610	100	1,134	100	1,345	100	1,343	100	313	100	287	100	18
17	1,956	97	504	99	1,765	98	3,132	98	1,698	98	322	100	192	100	17
16	2,203	94	2,811	98	2,761	96	3,145	93	1,982	95	983	99	867	99	16
15	3,504	90	3,552	94	3,399	91	4,053	89	2,458	92	1,162	98	1,817	98	15
14	2,930	85	3,553	89	3,312	86	3,224	82	2,809	89	3,212	96	3,049	95	14
13	3,428	81	4,056	83	3,663	81	3,075	78	3,491	85	3,734	91	3,445	91	13
12	4,158	76	6,948	77	5,549	76	4,691	73	4,355	79	5,153	85	4,914	85	12
11	4,938	69	6,323	67	7,017	68	6,027	66	5,783	73	6,937	78	7,084	78	11
10	7,530	62	7,312	57	6,590	57	6,784	57	5,476	64	10,151	67	7,782	67	10
9	5,643	51	7,107	46	7,547	47	4,686	47	6,691	56	11,287	52	11,689	56	9
8	6,173	42	7,707	36	9,693	36	5,287	40	9,693	46	7,981	35	9,530	38	8
7	5,470	33	5,458	24	6,354	21	4,251	32	10,442	31	6,856	23	6,550	24	7
6	4,784	25	2,602	16	3,964	12	5,253	25	6,679	16	3,844	13	2,152	14	6
5	4,356	18	3,867	12	2,231	6	5,848	17	2,738	5	1,011	7	3,975	11	5
4	4,375	11	2,747	6	985	2	4,011	9	627	1	2,198	5	662	5	4
3	1,931	4	1,132	2	288	1	1,141	3	154	1	1,125	2	1,816	4	3
2	895	2	252	1	241	1	578	1	120	1	20	1	377	1	2
1	107	1	11	1	59	1	21	1	13	1	263	1	364	1	1
Avg (SD)	9.6 (4.0)		9.9 (3.4)		10.2 (3.4)		9.9 (4.0)		9.7 (3.4)		9.5 (2.9)		9.3 (3.0)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	24	22	24	23	23
Q2 (50th Percentile)	19	17	19	20	19
Q1 (25th Percentile)	15	16	15	16	16

Total Students in Report: 66,552

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	66,552	63	20.9	17.6
	African American/Black	13,267	64	17.1	15.1
	American Indian/Alaska Native	257	53	20.3	17.7
	Caucasian American/White	45,980	63	22.0	18.3
	Hispanic	2,044	57	19.7	15.8
	Asian American/Pacific Islander	1,128	75	23.6	19.4
	Other/No Response	3,876	57	20.8	17.5
National	All Students	1,568,835	71	22.0	18.9
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

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

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	19.4	19.0	19.9	19.6	19.6
	African American/Black	15.5	16.3	16.1	16.9	16.3
	American Indian/Alaska Native	18.3	18.3	19.5	19.1	18.9
	Caucasian American/White	20.6	19.8	21.0	20.4	20.6
	Hispanic	17.0	17.8	18.2	18.2	18.0
	Asian American/Pacific Islander	22.2	23.0	21.9	22.4	22.5
	Other/No Response	19.0	18.8	19.7	19.2	19.3
National	All Students	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6

Total Students in Report: 66,552

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	2,252	3	805	1	2,404	4	718	1
	28 to 32	5,770	9	3,113	5	6,620	10	2,990	4
	24 to 27	9,532	14	8,682	13	8,993	14	9,655	15
	20 to 23	14,975	23	11,170	17	14,395	22	20,586	31
	16 to 19	13,504	20	26,273	39	16,032	24	19,198	29
	13 to 15	10,257	15	15,951	24	10,675	16	8,680	13
	01 to 12	10,262	15	558	1	7,433	11	4,725	7
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	32,018	48	18.8	19.4	19.7	19.9	19.6
	Females	34,339	52	20.0	18.6	20.1	19.3	19.7
	Missing	195	0	15.4	16.9	16.6	17.0	16.6
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	55	30	42	24	18
	Females	63	24	45	17	13
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 66,552

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	41,629	70	21.1	36	20.1	52	21.3	26	20.8	21	20.9
	Less than Core	22,318	41	16.9	13	17.3	29	17.8	10	17.8	7	17.6
	Missing ³	2,605	28	14.9	8	16.4	20	16.2	6	16.6	4	16.1
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

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

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who meet all four subject-area benchmarks.

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

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	60,431	62	19.9	57,953	31	19.5	54,929	47	20.5	49,177	24	20.3
	Less than Core	4,100	26	14.7	6,329	2	15.5	9,438	24	17.0	15,062	9	17.6
	Missing ³	2,021	30	15.2	2,270	8	16.4	2,185	22	16.4	2,313	6	16.8
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

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

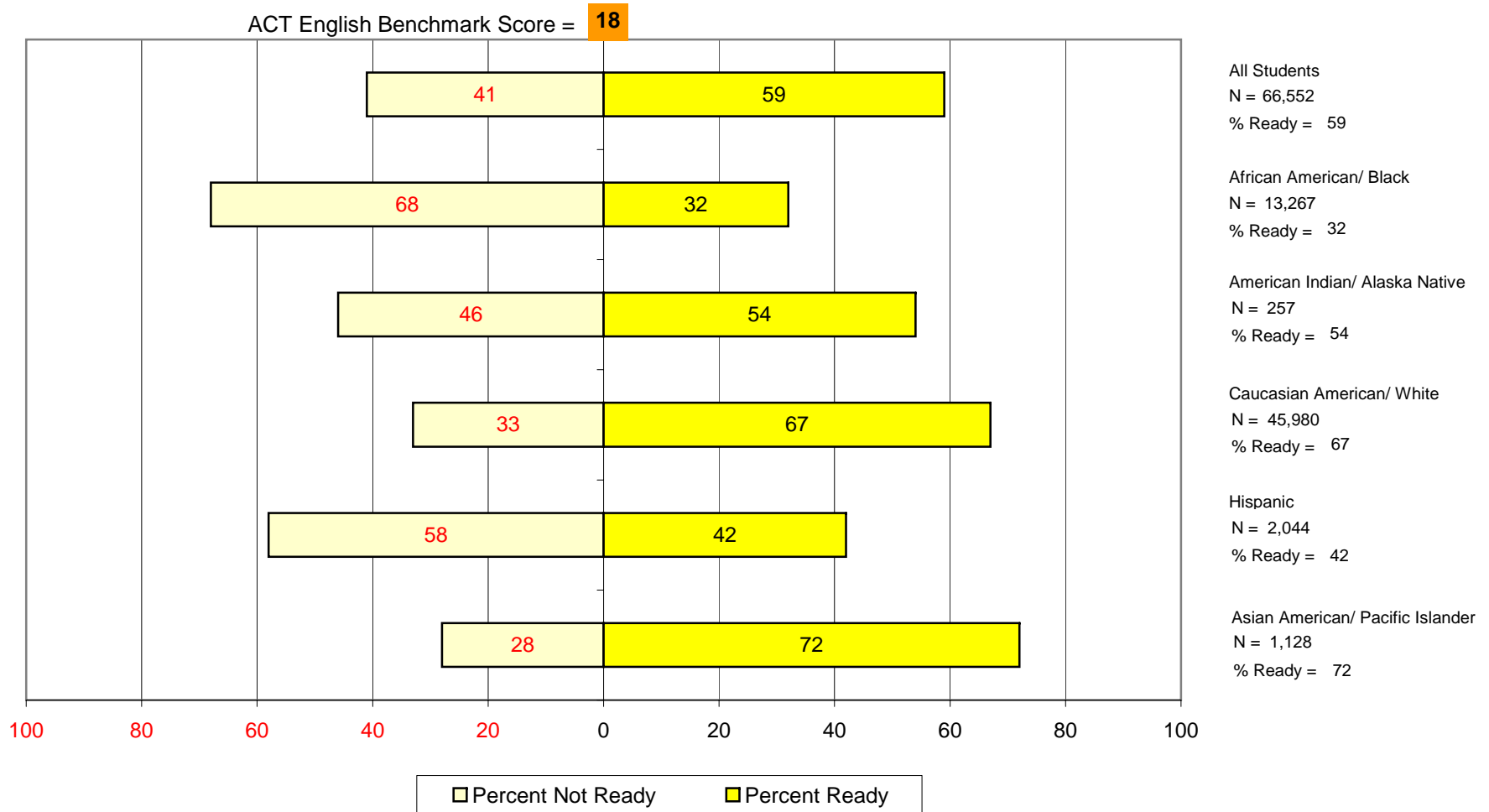
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

Total Students in Report: 66,552

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



Total Students in Report: 66,552

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

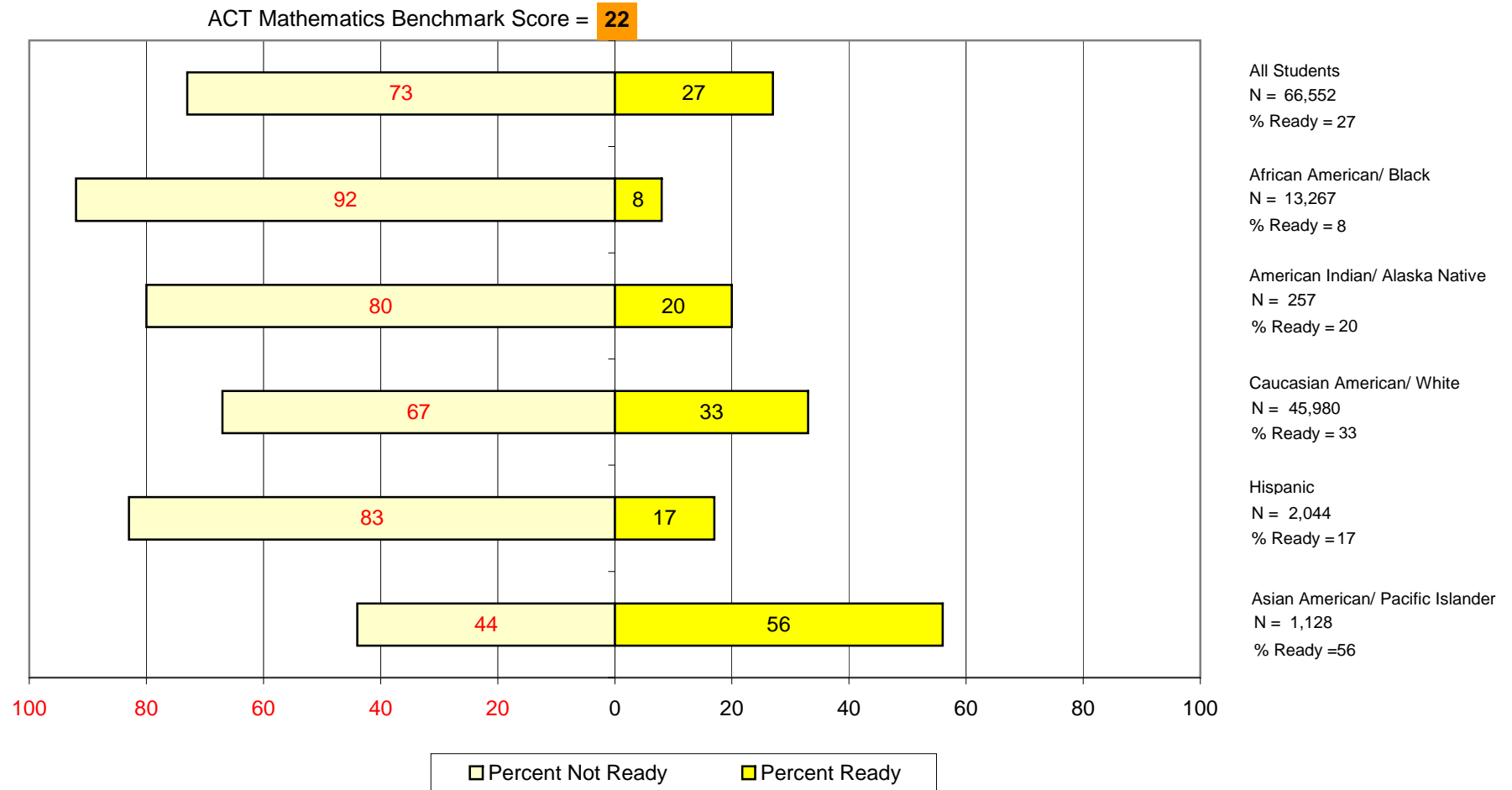
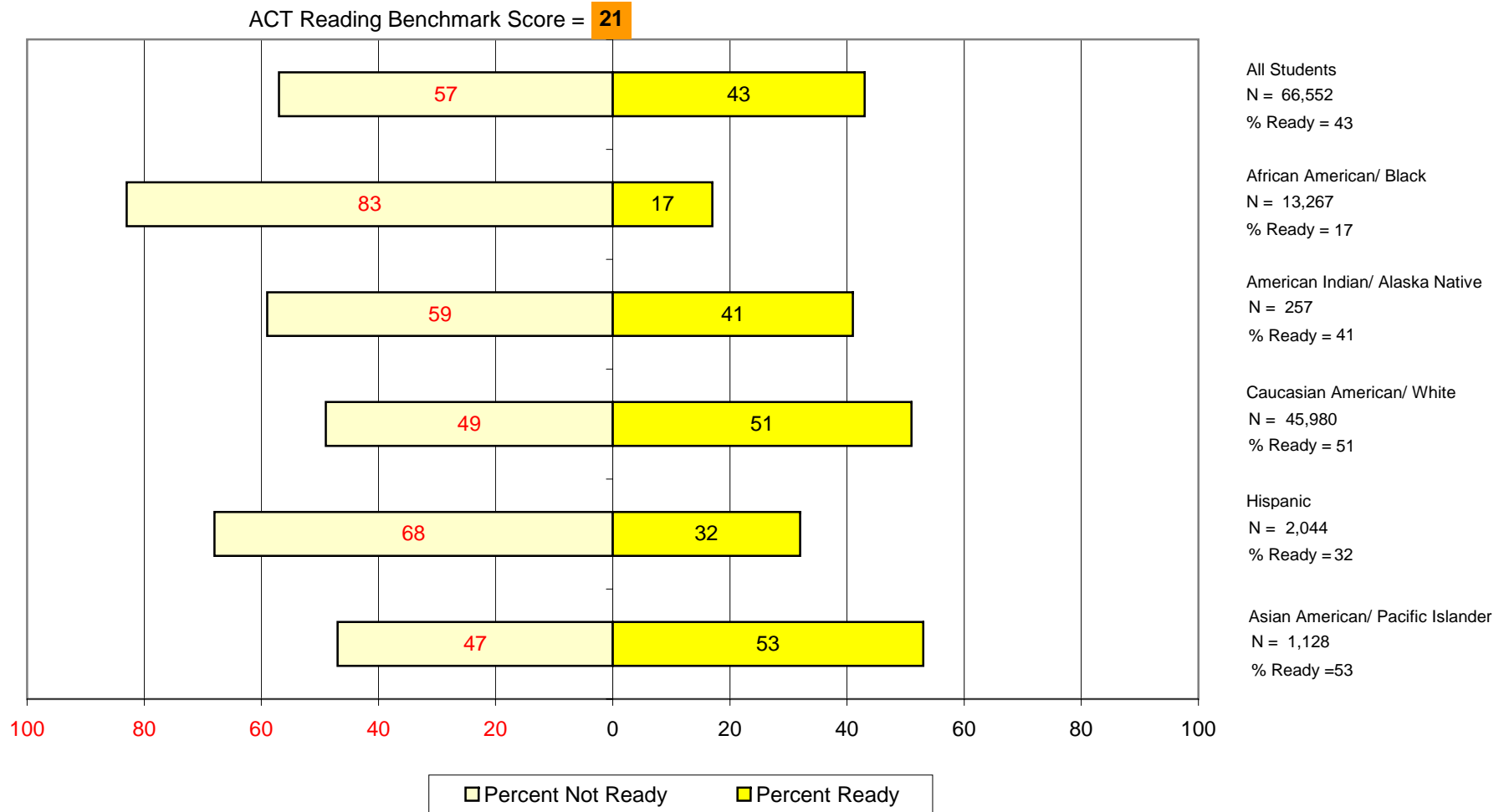


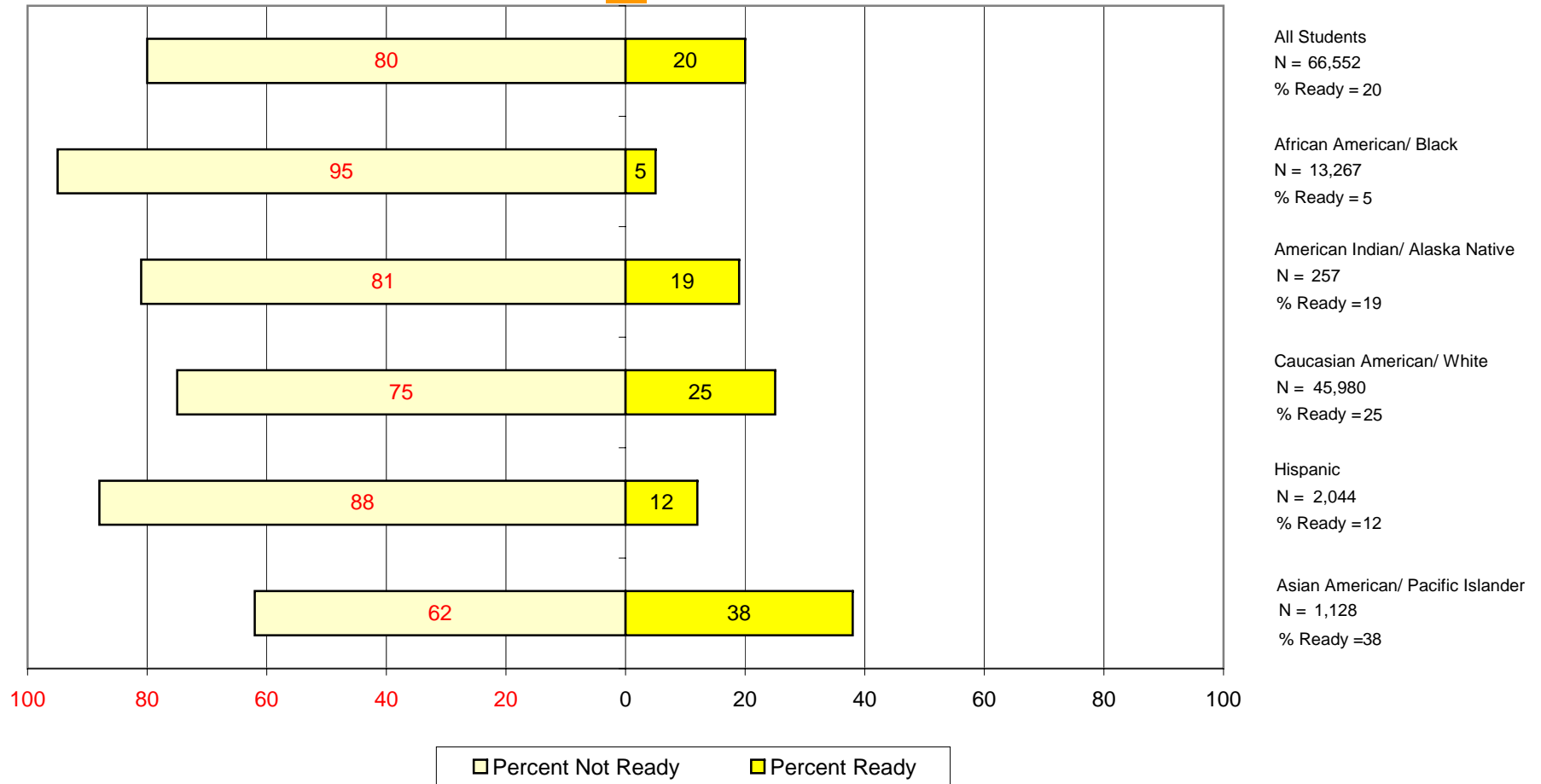
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 66,552

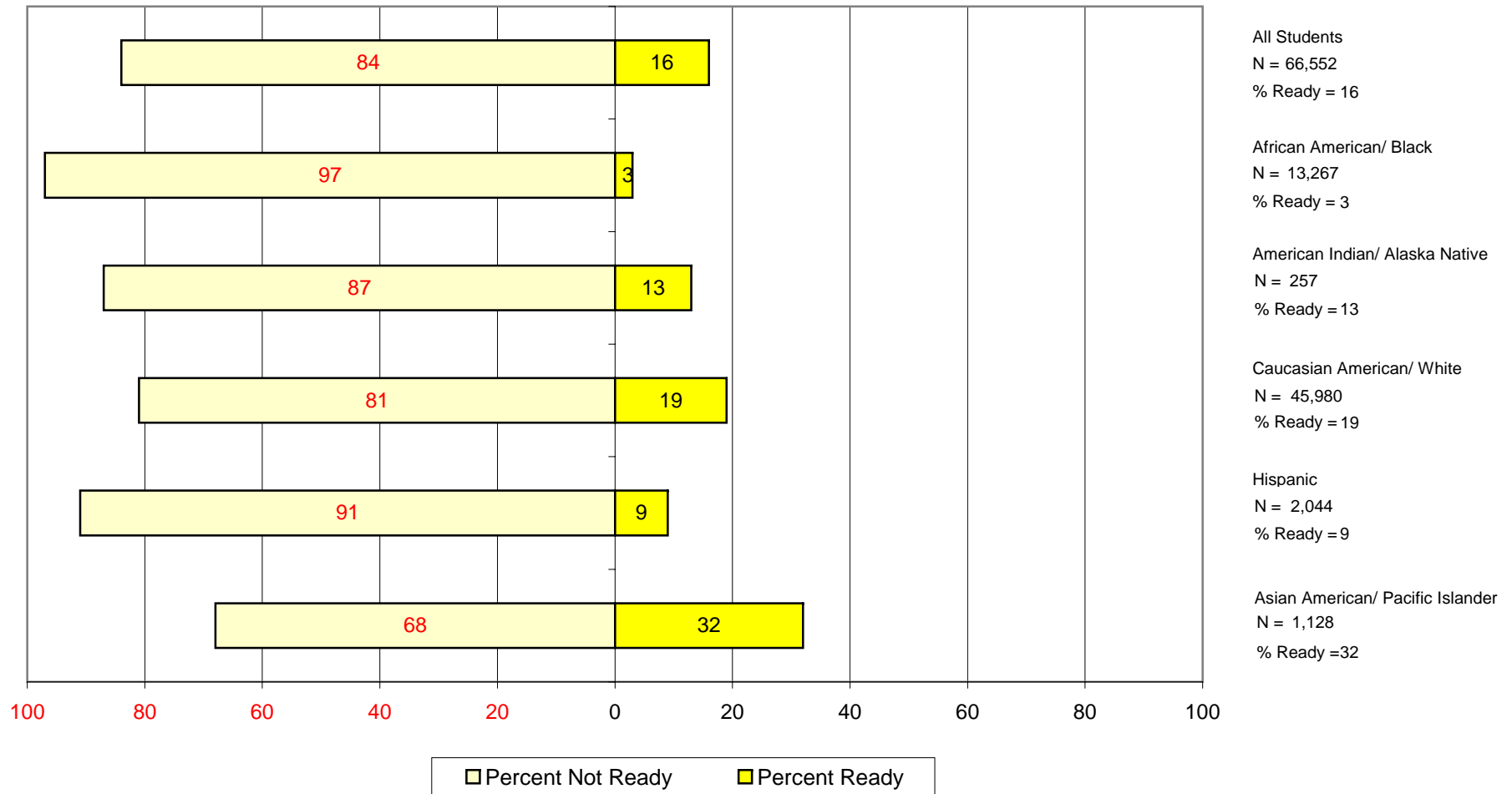
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = **24**



Total Students in Report: 66,552

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



Total Students in Report: 66,552

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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added 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	8,334	13	22.3	7.6	3,545	11	21.9	7.6	4,770	14	22.6	7.4
Eng 9, Eng 10, Eng 11, Eng 12	52,097	78	19.5	4.8	25,036	78	19.0	4.7	26,945	78	19.9	4.7
Less than 4 years of English	4,100	6	14.7	-	2,278	7	14.3	-	1,781	5	15.2	-
Zero years / no English courses reported	2,021	3	15.2	-	1,159	4	14.6	-	843	2	16.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,041	3	22.9	7.4	1,058	3	23.9	8.3	979	3	21.8	6.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,855	7	21.3	5.8	1,928	6	22.1	6.5	2,921	9	20.8	5.4
Alg 1, Alg 2, Geom, & Trig	5,021	8	19.2	3.7	2,240	7	19.7	4.1	2,764	8	18.9	3.5
Alg 1, Alg 2, Geom, & Other Adv Math	10,136	15	19.6	4.1	4,209	13	20.0	4.4	5,910	17	19.3	3.9
Other comb of 4 or more years of Math	12,089	18	23.1	7.6	6,414	20	23.8	8.2	5,659	16	22.3	6.9
Alg 1, Alg 2, & Geom	21,406	32	16.8	1.3	9,964	31	17.1	1.5	11,377	33	16.5	1.1
Other comb of 3 or 3.5 years of Math	2,405	4	18.8	3.3	1,196	4	19.3	3.7	1,202	4	18.4	3.0
Less than 3 years of Math	6,329	10	15.5	-	3,708	12	15.6	-	2,578	8	15.4	-
Zero years / no Math courses reported	2,270	3	16.4	-	1,301	4	16.5	-	949	3	16.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	432	1	22.8	5.8	217	1	22.1	5.2	215	1	23.5	6.2
Other comb of 4 or more years Social Science	24,420	37	21.3	4.3	11,363	35	21.3	4.4	13,022	38	21.3	4.0
US Hist, World Hist, & Am Gov	1,311	2	18.2	1.2	719	2	18.1	1.2	589	2	18.3	1.0
Other comb of 3 or 3.5 years of Social Science	28,766	43	20.0	3.0	13,158	41	19.8	2.9	15,542	45	20.1	2.8
Less than 3 years of Social Science	9,438	14	17.0	-	5,284	17	16.9	-	4,082	12	17.3	-
Zero years / no Social Science courses reported	2,185	3	16.4	-	1,277	4	15.9	-	889	3	17.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	15,472	23	21.4	3.8	8,128	25	22.1	4.6	7,313	21	20.6	2.8
Bio, Chem, Phys	2,838	4	24.2	6.6	1,536	5	24.8	7.3	1,295	4	23.4	5.6
Gen Sci ² , Bio, Chem	29,804	45	19.5	1.9	12,736	40	19.7	2.2	17,000	50	19.4	1.6
Other comb of 3 years of Natural Science	1,063	2	17.6	0.0	600	2	18.2	0.7	462	1	16.8	-1.0
Less than 3 years of Natural Science	15,062	23	17.6	-	7,691	24	17.5	-	7,304	21	17.8	-
Zero years / no Natural Science courses reported	2,313	3	16.8	-	1,327	4	16.8	-	965	3	16.8	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years and three years of English and non-English content areas, respectively.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 66,552

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	8,334	13	22.3	77	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	52,097	78	19.5	60	1,096,437	70	20.5	66
Less than 4 years of English	4,100	6	14.7	26	74,180	5	16.4	39
Zero years / no English courses reported	2,021	3	15.2	30	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,041	3	22.9	59	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,855	7	21.3	49	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	5,021	8	19.2	29	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	10,136	15	19.6	32	239,289	15	20.0	36
Other comb of 4 or more years of Math	12,089	18	23.1	61	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	21,406	32	16.8	7	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	2,405	4	18.8	25	74,720	5	19.9	35
Less than 3 years of Math	6,329	10	15.5	2	97,949	6	16.4	7
Zero years / no Math courses reported	2,270	3	16.4	8	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	432	1	22.8	61	47,523	3	22.6	60
Other comb of 4 or more years Social Science	24,420	37	21.3	52	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,311	2	18.2	32	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	28,766	43	20.0	43	439,520	28	21.2	51
Less than 3 years of Social Science	9,438	14	17.0	24	156,679	10	19.5	39
Zero years / no Social Science courses reported	2,185	3	16.4	22	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	15,472	23	21.4	34	620,765	40	22.2	40
Bio, Chem, Phys	2,838	4	24.2	56	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	29,804	45	19.5	16	474,375	30	20.1	21
Other comb of 3 years of Natural Science	1,063	2	17.6	11	43,231	3	19.7	21
Less than 3 years of Natural Science	15,062	23	17.6	9	231,566	15	18.3	12
Zero years / no Natural Science courses reported	2,313	3	16.8	6	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 66,552

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	1,642	2	17.3	464	5	15.0	1,060	2	18.5
Architecture & Environmental Design	1,092	2	20.0	167	2	15.7	866	2	21.0
Business & Management	4,997	8	19.6	464	5	15.8	4,212	9	20.1
Business & Office	412	1	18.3	85	1	15.6	299	1	18.9
Marketing & Distribution	411	1	19.1	46	1	15.7	337	1	19.7
Communications & Comm. Technologies	1,384	2	20.5	136	1	15.9	1,172	2	21.2
Community & Personal Services	2,705	4	17.5	742	8	15.8	1,759	4	18.3
Computer & Information Sciences	1,397	2	20.3	251	3	17.1	1,065	2	21.1
Cross-Disciplinary Studies	72	0	22.2	3	0	15.3	65	0	22.6
Education	2,041	3	19.9	138	2	15.7	1,791	4	20.4
Teacher Education	1,707	3	19.5	127	1	15.7	1,499	3	19.8
Engineering	3,343	5	21.0	509	6	15.2	2,670	5	22.3
Engineering-Related Technologies	1,648	2	20.2	314	3	15.7	1,250	3	21.6
Foreign Languages	337	1	22.7	32	0	15.8	279	1	23.8
Health Sciences & Allied Health Fields	15,306	23	19.8	1,701	19	16.4	12,963	26	20.4
Human, Family & Consumer Science	1,127	2	17.8	295	3	16.0	722	1	18.6
Letters	418	1	23.8	22	0	17.9	377	1	24.2
Mathematics	288	0	22.8	19	0	15.7	251	1	23.7
Philosophy, Religion & Theology	391	1	22.5	14	0	17.3	351	1	22.9
Sciences (Biological & Physical)	2,816	4	22.7	72	1	16.9	2,619	5	22.9
Social Sciences	3,768	6	21.5	117	1	16.8	3,502	7	21.8
Trade & Industrial	1,375	2	16.5	916	10	15.9	358	1	18.1
Visual & Performing Arts	4,771	7	19.9	724	8	16.4	3,648	7	20.7
Undecided	7,147	11	20.3	1,014	11	15.9	5,332	11	21.4
No Response	5,957	9	15.8	708	8	14.4	581	1	15.5

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

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

Total Students in Report: 66,552

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/ Black		American Indian/ Alaska Native		Caucasian American/White		Hispanic		Asian American/ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	3,530	15.5	426	13.9	18	16.4	2,758	15.8	123	15.0	14	15.6	191	15.6
2-yr College Degree	5,550	16.1	1,239	14.1	18	17.3	3,696	16.8	255	15.1	43	16.3	299	16.0
Bachelors Degree	23,546	19.5	4,354	16.0	83	18.8	17,113	20.5	576	18.4	314	19.8	1,106	19.4
Graduate Study	8,201	22.5	1,244	18.1	34	22.3	6,150	23.5	200	21.0	150	23.9	423	22.0
Prof. Level Degree	17,281	21.5	4,086	17.9	63	20.4	10,943	22.9	573	19.8	513	25.0	1,103	21.3
Other	2,521	16.8	587	14.8	15	16.3	1,584	17.6	95	15.0	24	18.1	216	17.2
No Response	5,923	17.1	1,331	14.5	26	15.7	3,736	18.0	222	15.5	70	20.3	538	17.0

Total Students in Report: 66,552

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 TENNESSEE-KNOXVILLE	Tennessee	12,708	4,583	8,125	1	8	21	31	24	12	1	
MIDDLE TENNESSEE STATE UNIVERSITY	Tennessee	11,947	3,983	7,964	3	16	31	30	15	5	0	
UNIVERSITY OF TENNESSEE-CHATTANOOGA	Tennessee	7,139	1,849	5,290	2	13	28	33	18	6	0	
UNIVERSITY OF MEMPHIS	Tennessee	6,290	2,270	4,020	6	24	31	22	12	4	0	
STATE-COLLEGE/NO REPORTS NOW	Iowa	5,938	5,938	0	9	31	33	18	6	2	1	
TENNESSEE TECHNOLOGICAL UNIVERSITY	Tennessee	5,665	1,923	3,742	3	14	28	29	17	8	1	
EAST TENNESSEE STATE UNIVERSITY	Tennessee	5,047	1,745	3,302	2	12	30	32	17	6	0	
TENNESSEE STATE UNIVERSITY	Tennessee	4,288	1,075	3,213	9	36	38	14	3	0	0	
UNIVERSITY OF TENNESSEE-MARTIN	Tennessee	4,124	1,206	2,918	3	16	32	29	15	4	0	
VANDERBILT UNIVERSITY	Tennessee	4,003	956	3,047	2	11	19	21	22	21	4	
AUSTIN PEAY STATE UNIVERSITY	Tennessee	3,795	1,419	2,376	3	16	35	29	13	4	0	
BELMONT UNIVERSITY	Tennessee	2,326	606	1,720	2	8	19	30	26	14	1	
CARSON-NEWMAN COLLEGE	Tennessee	2,091	494	1,597	3	13	28	33	16	7	0	
STATE-NO COLLEGE PLANS	Iowa	1,718	1,718	0	21	45	27	6	1	0	0	
WALTERS STATE COMMUNITY COLLEGE	Tennessee	1,690	747	943	4	22	40	25	8	1	0	
PELLISSIPPI STATE TECHNICAL COMM COLL	Tennessee	1,654	639	1,015	3	21	34	29	11	3	0	
ITT TECHNICAL INSTITUTE-KNOXVILLE	Tennessee	1,479	387	1,092	8	35	38	14	4	1	0	
LIPSCOMB UNIVERSITY	Tennessee	1,475	404	1,071	2	9	23	32	22	12	1	
SOUTHWEST TENNESSEE COMMUNITY COLLEGE	Tennessee	1,432	377	1,055	13	41	33	11	3	0	0	
CHATTANOOGA ST TECH COMM COLL	Tennessee	1,398	591	807	8	32	36	19	5	1	0	
ROANE STATE COMMUNITY COLLEGE	Tennessee	1,362	606	756	3	22	39	26	9	1	0	
WESTERN KENTUCKY UNIVERSITY	Kentucky	1,292	350	942	2	13	32	32	17	4	0	
VOLUNTEER STATE COMMUNITY COLLEGE	Tennessee	1,283	564	719	4	21	39	26	8	2	0	
MOTLOW STATE COMMUNITY COLLEGE	Tennessee	1,273	509	764	4	24	40	24	7	1	0	
COLUMBIA STATE COMMUNITY COLLEGE	Tennessee	1,251	566	685	4	20	37	28	9	2	0	
NCAA ELIGIBILITY CENTER	Indiana	1,242	585	657	4	18	30	27	15	5	0	
UNION UNIVERSITY	Tennessee	1,205	343	862	1	9	21	32	25	11	1	
TUSCULUM COLLEGE	Tennessee	1,147	232	915	2	16	35	31	13	3	0	
NORTHEAST STATE TECHNICAL COMM COLLEGE	Tennessee	1,119	482	637	4	23	41	23	6	2	0	
UNIVERSITY OF MISSISSIPPI	Mississippi	1,062	280	782	2	9	23	29	25	10	1	
All Other Institutions		59,929	15,426	44,503	5	19	26	22	15	10	2	
Total		158,372	52,853	105,519	4	18	28	25	15	8	1	

Section V Optional Writing Test Results

Total Students in Report: 66,552

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
			State	National	State	National	State	National
All Students	7,611	869,014	25.5	21.4	7.4	7.1	24.0	20.8
African American/Black	1,033	107,638	20.3	16.4	6.9	6.4	19.7	16.4
American Indian/Alaska Native	24	6,232	23.0	18.9	7.3	6.6	22.1	18.4
Caucasian American/White	5,515	518,004	26.4	23.0	7.5	7.3	24.7	22.1
Hispanic	187	101,126	24.3	18.1	7.2	6.9	22.9	18.1
Asian American/Pacific Islander	345	49,922	27.1	23.6	7.7	7.7	25.5	22.9
Other/No Response	507	86,092	25.4	21.0	7.5	7.1	24.0	20.4
Males	3,396	384,152	25.7	21.1	7.2	6.9	23.9	20.3
Females	4,212	484,023	25.3	21.7	7.6	7.3	24.0	21.2
Missing	3	839	25.3	16.8	8.0	6.3	24.7	16.6

