

ACT Profile Report - State

Graduating Class 2009
Tennessee



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This report provides information about the performance of your 2009 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 2009 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.

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

18% 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: 52,052 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. 72% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 5% of the cohort took less than three years of math courses. Of these students, 3% were college ready. 32% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 9% of these students were college ready. In comparison, 48% of the students who advanced beyond minimum math 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 19% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 27% 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 58% 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.

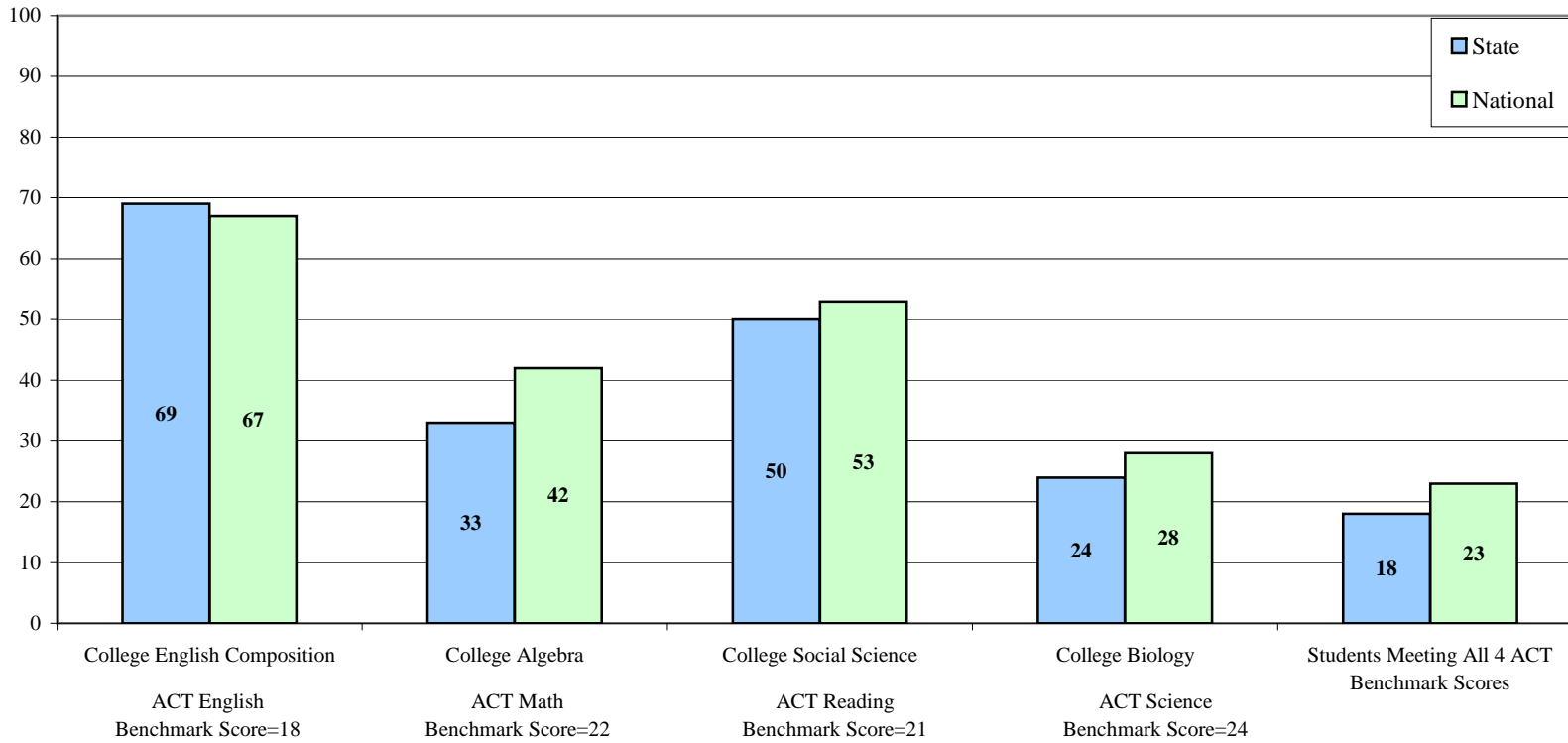
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

Section I

Executive Summary

Total Students in Report: 52,052

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: 52,052

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
2005	43,974	1,186,251	69	68	32	41	48	51	21	26	16	21
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

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
2005	43,974	1,186,251	20.6	20.4	19.7	20.7	20.8	21.3	20.2	20.9	20.5	20.9
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

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

Total Students in Report: 52,052

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
2005	27,013	14,872	61	34	21.5	18.9	20.4	18.4	21.6	19.4	20.8	19.1	21.2	19.1
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

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

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	43,974	100	20.5	44,985	100	20.7	48,113	100	20.7	50,225	100	20.7	52,052	100	20.6
African American/Black	7,586	17	16.9	7,952	18	17.1	8,790	18	17.0	9,594	19	17.0	10,283	20	16.9
American Indian/Alaska Native	125	0	19.9	143	0	20.8	179	0	20.5	155	0	20.3	179	0	19.9
Caucasian American/White	32,304	73	21.3	32,350	72	21.5	33,538	70	21.5	35,402	70	21.6	36,911	71	21.6
Hispanic	732	2	19.5	791	2	19.8	841	2	19.3	1,146	2	19.5	1,220	2	19.2
Asian American/Pacific Islander	773	2	21.8	806	2	22.3	872	2	22.5	904	2	22.5	876	2	22.9
Other/No Response	2,454	6	20.8	2,943	7	20.8	3,893	8	21.6	3,024	6	21.1	2,583	5	20.8

Section II

Academic Achievement

Total Students in Report: 52,052

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	156	100	91	100	432	100	69	100	11	100	36
35	540	100	140	100	150	99	139	100	84	100	35
34	756	99	286	100	645	99	203	100	172	100	34
33	719	97	379	99	983	98	235	99	326	99	33
32	767	96	348	98	826	96	226	99	492	99	32
31	797	94	479	98	1,256	94	445	98	677	98	31
30	1,147	93	386	97	1,537	92	555	97	882	97	30
29	1,083	91	854	96	1,260	89	768	96	1,161	95	29
28	1,494	89	1,088	94	1,514	86	872	95	1,378	93	28
27	1,393	86	1,387	92	1,519	83	1,134	93	1,587	90	27
26	2,156	83	1,942	90	1,667	81	1,851	91	2,053	87	26
25	2,608	79	2,122	86	1,825	77	3,320	88	2,283	83	25
24	2,538	74	2,675	82	2,603	74	2,680	81	2,681	79	24
23	2,871	69	2,590	77	2,933	69	3,599	76	3,035	74	23
22	3,383	63	2,339	72	3,023	63	3,797	69	3,759	68	22
21	3,944	57	2,632	67	3,723	57	4,573	62	4,242	60	21
20	3,654	49	2,698	62	3,568	50	5,770	53	3,844	52	20
19	3,322	42	3,434	57	3,380	43	4,408	42	4,149	45	19
18	2,410	36	3,945	50	2,459	37	4,211	33	4,137	37	18
17	2,488	31	5,879	43	3,077	32	2,609	25	3,774	29	17
16	2,845	27	7,350	31	3,418	26	2,684	20	3,299	22	16
15	2,819	21	5,413	17	2,660	20	2,049	15	2,945	15	15
14	1,820	16	2,605	7	2,731	15	1,700	11	2,337	10	14
13	1,490	12	703	2	2,056	9	1,607	8	1,643	5	13
12	1,360	9	184	1	1,425	5	1,064	5	784	2	12
11	1,174	7	88	1	823	3	788	3	274	1	11
10	1,099	4	8	1	318	1	376	1	31	1	10
9	689	2	3	1	108	1	236	1	9	1	9
8	321	1	2	1	79	1	54	1	3	1	8
7	163	1	1	1	36	1	13	1	0	1	7
6	40	1	0	1	5	1	9	1	0	1	6
5	6	1	1	1	7	1	3	1	0	1	5
4	0	1	0	1	3	1	2	1	0	1	4
3	0	1	0	1	1	1	2	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	20.7 (6.1)		19.8 (4.8)		21.0 (6.0)		20.4 (4.7)		20.6 (4.9)		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: 52,052

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	1,943	100	624	100	1,349	100	2,037	100	1,175	100	269	100	260	100	18
17	2,008	96	604	99	1,540	97	1,533	96	2,078	98	318	99	194	100	17
16	2,278	92	2,537	98	2,325	94	3,469	93	1,829	94	908	99	1,070	99	16
15	2,693	88	3,233	93	3,050	90	3,905	86	2,351	90	1,106	97	1,522	97	15
14	2,423	83	3,499	87	2,949	84	3,967	79	2,879	86	3,457	95	2,604	94	14
13	3,552	78	4,105	80	3,743	78	2,706	71	3,175	80	3,081	88	4,472	89	13
12	4,200	71	5,940	72	4,450	71	4,061	66	4,449	74	4,700	82	3,549	81	12
11	4,537	63	5,567	61	4,361	63	5,069	58	4,565	66	6,100	73	5,743	74	11
10	6,346	55	6,292	50	6,415	54	4,418	49	5,121	57	9,908	62	7,330	63	10
9	5,570	42	6,051	38	5,984	42	3,754	40	5,110	47	8,197	43	7,192	49	9
8	4,001	32	4,489	26	6,410	31	4,771	33	6,987	37	6,227	27	6,598	35	8
7	3,918	24	3,702	18	4,879	18	3,844	24	7,229	24	3,493	15	3,764	22	7
6	3,484	16	1,770	10	2,532	9	3,347	16	3,342	10	1,494	8	3,302	15	6
5	2,315	10	1,815	7	1,174	4	3,141	10	1,073	3	1,525	5	2,058	9	5
4	1,684	5	1,239	4	438	2	1,248	4	462	1	628	2	1,067	5	4
3	808	2	514	1	312	1	581	2	167	1	480	1	910	3	3
2	277	1	63	1	115	1	189	1	52	1	63	1	222	1	2
1	15	1	8	1	26	1	12	1	8	1	98	1	195	1	1
Avg (SD)	10.4 (3.8)		10.6 (3.3)		10.6 (3.4)		10.7 (3.9)		10.3 (3.4)		10.0 (2.7)		9.7 (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)	25	23	25	23	24
Q2 (50th Percentile)	21	18	20	20	20
Q1 (25th Percentile)	16	16	16	17	17

Total Students in Report: 52,052

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	52,052	72	21.3	18.9
	African American/Black	10,283	72	17.4	15.7
	American Indian/Alaska Native	179	66	20.7	18.5
	Caucasian American/White	36,911	72	22.4	19.7
	Hispanic	1,220	68	20.1	17.4
	Asian American/Pacific Islander	876	82	23.6	20.2
	Other/No Response	2,583	69	21.6	19.0
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

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	20.7	19.8	21.0	20.4	20.6
	African American/Black	16.5	16.7	16.8	17.3	16.9
	American Indian/Alaska Native	19.6	18.8	20.9	19.8	19.9
	Caucasian American/White	21.9	20.7	22.2	21.2	21.6
	Hispanic	18.6	18.9	19.4	19.3	19.2
	Asian American/Pacific Islander	22.7	23.4	22.5	22.6	22.9
	Other/No Response	20.9	20.0	21.3	20.4	20.8
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 52,052

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	2,171	4	896	2	2,210	4	646	1
	28 to 32	5,288	10	3,155	6	6,393	12	2,866	6
	24 to 27	8,695	17	8,126	16	7,614	15	8,985	17
	20 to 23	13,852	27	10,259	20	13,247	25	17,739	34
	16 to 19	11,065	21	20,608	40	12,334	24	13,912	27
	13 to 15	6,129	12	8,721	17	7,447	14	5,356	10
	01 to 12	4,852	9	287	1	2,807	5	2,548	5
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	23,583	45	20.5	20.5	21.2	21.0	20.9
	Females	28,405	55	20.9	19.3	20.9	19.9	20.4
	Missing	64	0	20.0	19.3	20.3	19.6	20.0
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

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	67	38	51	29	22
	Females	70	28	49	20	15
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 52,052

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 % ³	Avg
State	Core or More ²	37,297	74	21.6	38	20.5	55	21.7	28	21.0	22	21.3
	Less than Core	13,918	55	18.7	19	18.2	38	19.3	14	18.8	9	18.9
	Missing	837	42	16.9	16	17.5	29	17.8	11	17.9	8	17.7
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

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.

³Composite 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	50,375	69	20.8	48,922	35	20.1	46,598	51	21.2	41,546	27	20.9
	Less than Core	1,012	47	17.4	2,413	3	15.8	4,725	38	19.3	9,766	11	18.5
	Missing	665	46	17.5	717	18	17.7	729	30	18.1	740	12	18.1
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

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

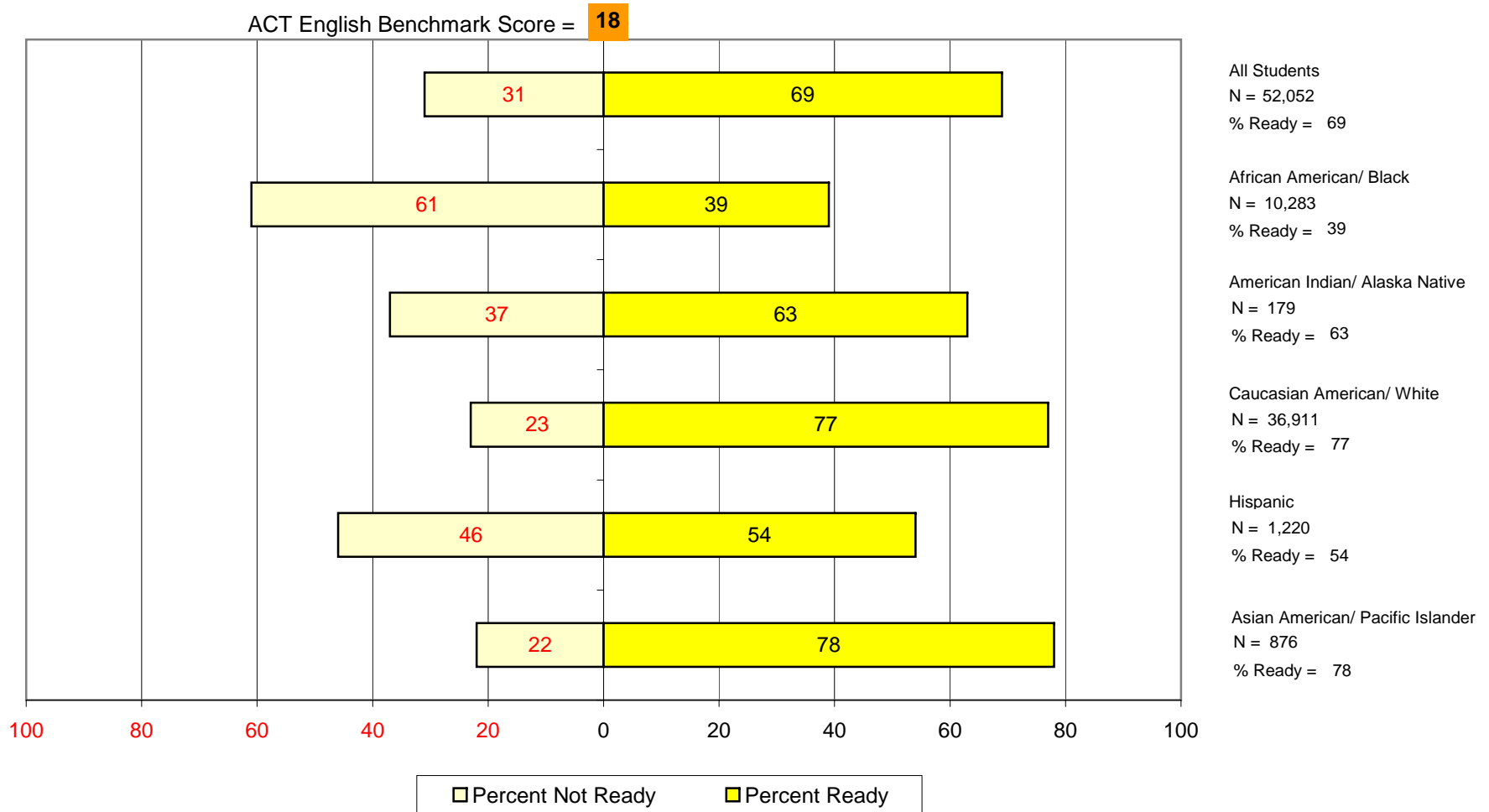
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the Impact of Course Rigor

Total Students in Report: 52,052

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



Total Students in Report: 52,052

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

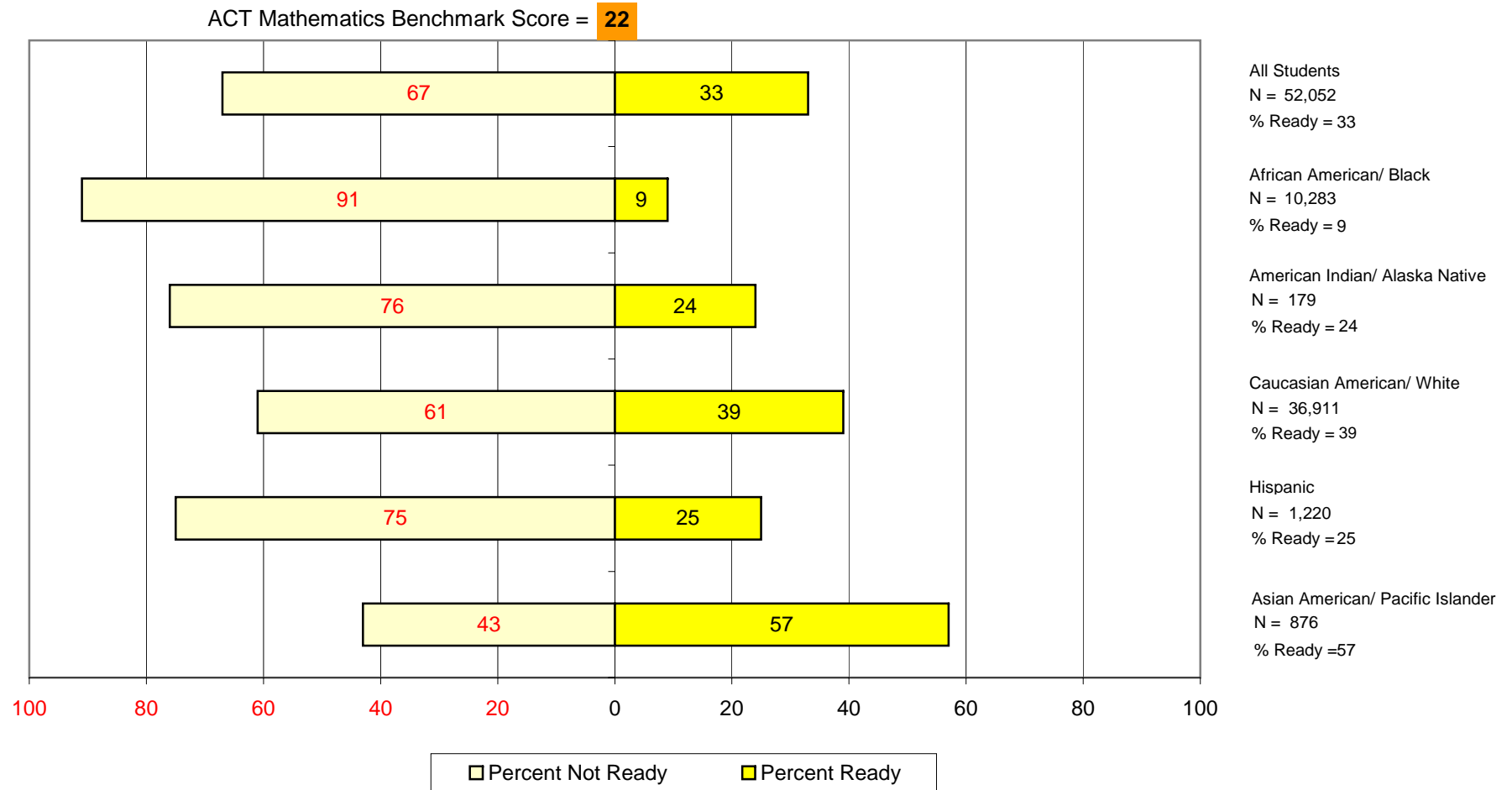


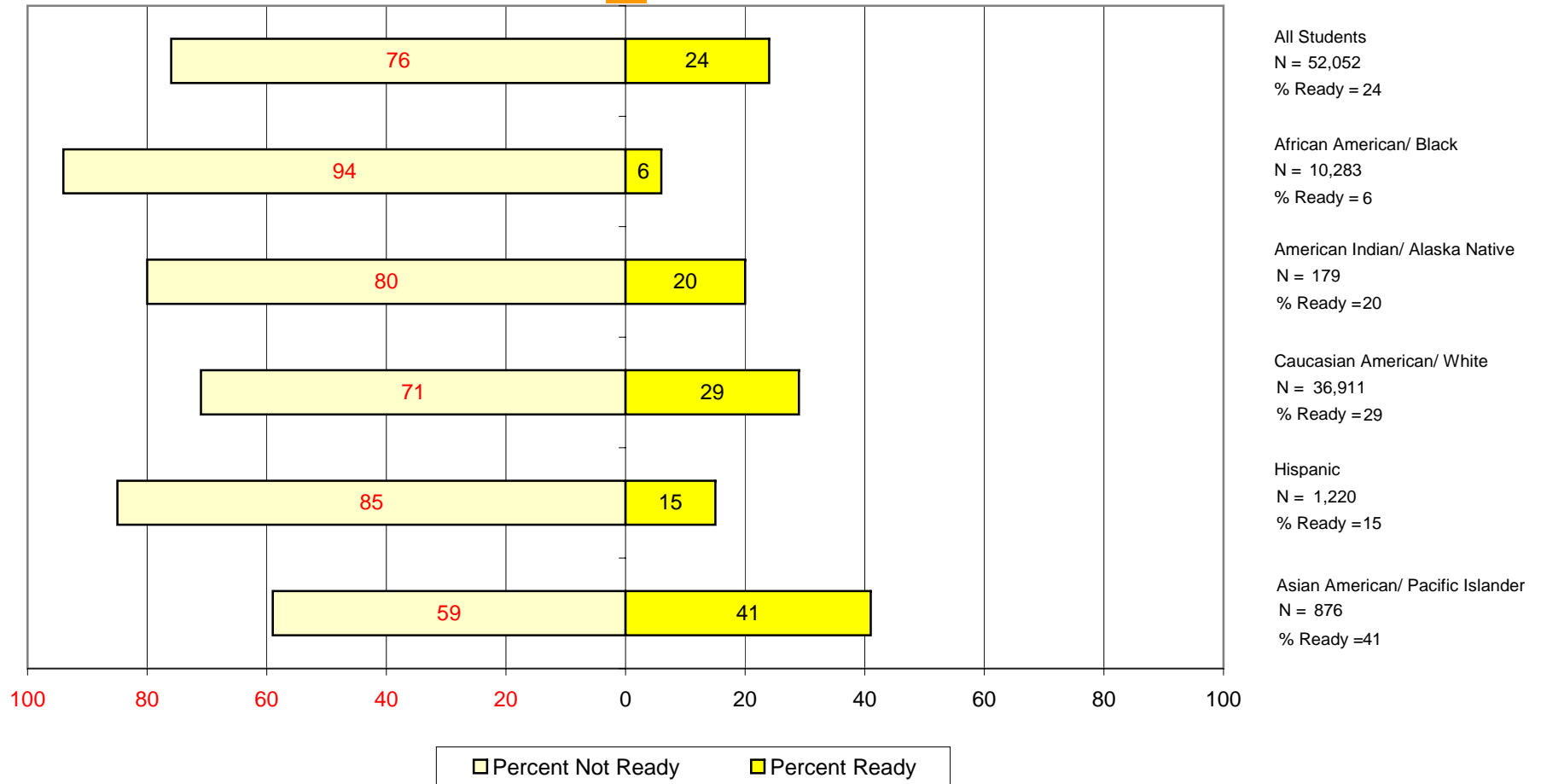
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 52,052

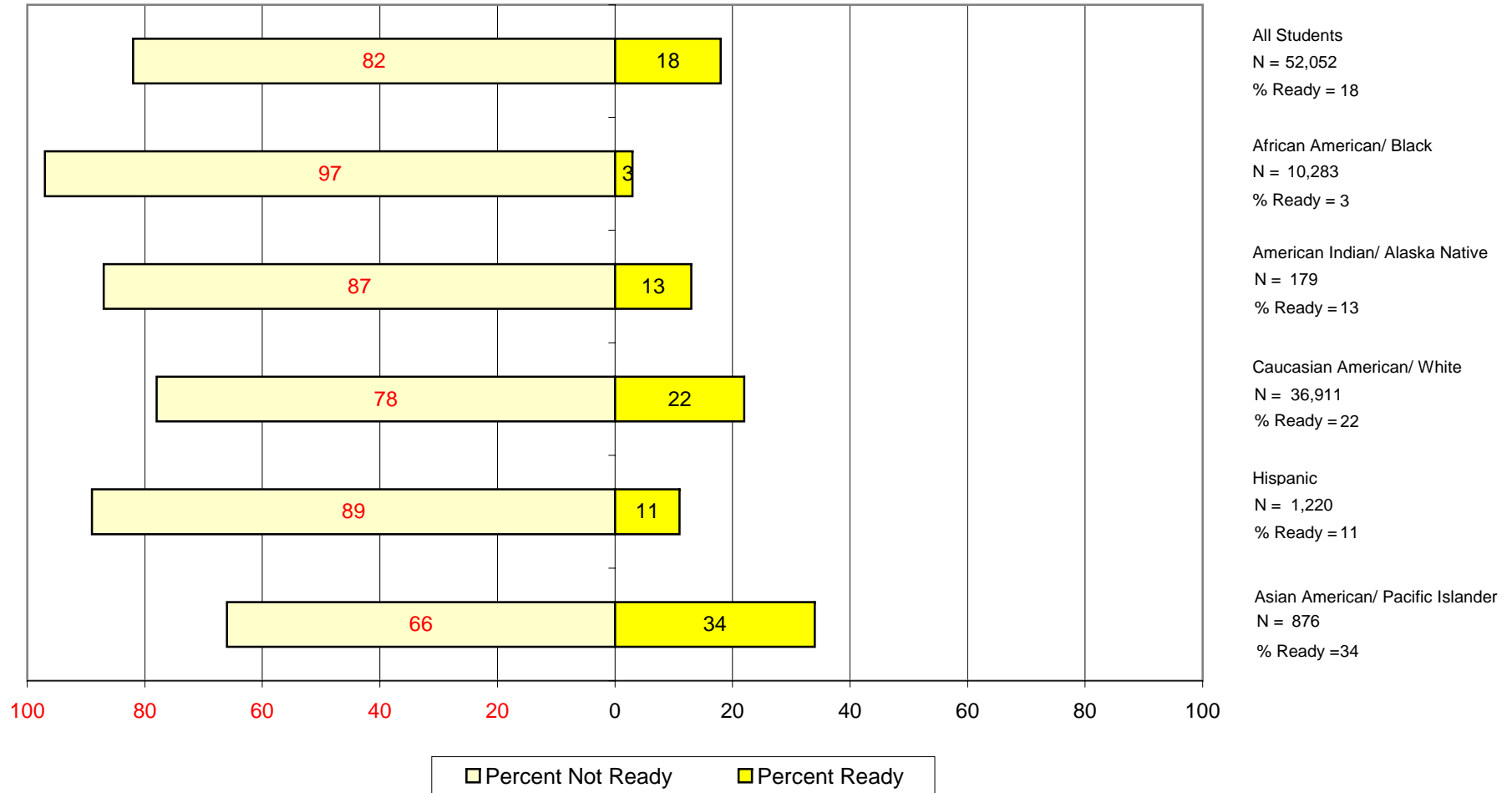
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = **24**



Total Students in Report: 52,052

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



Total Students in Report: 52,052

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	7,878	15	22.5	5.1	3,404	14	22.2	5.3	4,465	16	22.8	4.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	42,497	82	20.5	3.1	19,305	82	20.4	3.5	23,155	82	20.7	2.8
Less than 4 years of English	1,029	2	17.4	-	474	2	16.9	-	550	2	17.9	-
No English course/grade information reported	648	1	17.5	-	400	2	17.5	-	235	1	17.5	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,816	3	23.6	7.8	934	4	24.6	8.6	878	3	22.6	7.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,202	8	21.7	5.9	1,683	7	22.4	6.4	2,518	9	21.2	5.7
Alg 1, Alg 2, Geom, & Trig	3,761	7	19.7	3.9	1,688	7	20.3	4.3	2,067	7	19.2	3.7
Alg 1, Alg 2, Geom, & Other Adv Math	8,353	16	20.1	4.3	3,266	14	20.8	4.8	5,078	18	19.7	4.2
Other comb of 4 or more years of Math	11,660	22	23.3	7.5	5,934	25	24.0	8.0	5,716	20	22.5	7.0
Alg 1, Alg 2, & Geom (Min. Core)	16,845	32	17.2	1.4	7,182	30	17.6	1.6	9,647	34	16.9	1.4
Other comb of 3 or 3.5 years of Math	2,285	4	19.9	4.1	1,213	5	20.4	4.4	1,069	4	19.4	3.9
Less than 3 years of Math	2,460	5	15.8	-	1,274	5	16.0	-	1,183	4	15.5	-
No Math course/grade information reported	670	1	17.8	-	409	2	18.1	-	249	1	17.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	366	1	24.3	5.1	192	1	23.9	4.4	174	1	24.7	5.7
Other comb of 4 or more years Social Science	22,661	44	21.7	2.5	10,320	44	21.9	2.4	12,316	43	21.5	2.5
US Hist, World Hist, & Am Gov (Min. Core)	747	1	20.0	0.8	387	2	19.7	0.2	359	1	20.3	1.3
Other comb of 3 or 3.5 years of Social Science	22,824	44	20.8	1.6	9,975	42	20.9	1.4	12,836	45	20.6	1.6
Less than 3 years of Social Science	4,756	9	19.2	-	2,285	10	19.5	-	2,458	9	19.0	-
No Soc Sci course/grade information reported	698	1	18.1	-	424	2	18.3	-	262	1	18.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	13,521	26	22.1	3.6	6,982	30	22.9	4.3	6,521	23	21.2	2.9
Bio, Chem, Phys	2,566	5	24.1	5.6	1,308	6	25.0	6.4	1,256	4	23.2	4.9
Gen Sci ² , Bio, Chem (Min. Core)	24,742	48	19.9	1.4	10,030	43	20.3	1.7	14,687	52	19.7	1.4
Other comb of 3 years of Natural Science	717	1	18.9	0.4	411	2	19.4	0.8	306	1	18.2	-0.1
Less than 3 years of Natural Science	9,821	19	18.5	-	4,433	19	18.6	-	5,382	19	18.3	-
No Nat Sci course/grade information reported	685	1	18.2	-	419	2	18.5	-	253	1	17.7	-

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.

Total Students in Report: 52,052

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	7,878	15	22.5	79	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	42,497	82	20.5	68	1,029,431	70	20.6	68
Less than 4 years of English	1,029	2	17.4	47	74,090	5	16.7	42
No English course/grade information reported	648	1	17.5	46	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,816	3	23.6	63	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,202	8	21.7	51	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	3,761	7	19.7	31	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	8,353	16	20.1	36	220,868	15	20.1	36
Other comb of 4 or more years of Math	11,660	22	23.3	61	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	16,845	32	17.2	9	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	2,285	4	19.9	33	70,732	5	20.1	35
Less than 3 years of Math	2,460	5	15.8	3	105,591	7	16.5	7
No Math course/grade information reported	670	1	17.8	18	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	366	1	24.3	72	46,754	3	22.8	61
Other comb of 4 or more years Social Science	22,661	44	21.7	55	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	747	1	20.0	44	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	22,824	44	20.8	48	420,236	28	21.3	52
Less than 3 years of Social Science	4,756	9	19.2	38	152,775	10	19.7	40
No Soc Sci course/grade information reported	698	1	18.1	31	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	13,521	26	22.1	38	563,824	38	22.2	39
Bio, Chem, Phys	2,566	5	24.1	53	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	24,742	48	19.9	19	459,833	31	20.1	21
Other comb of 3 years of Natural Science	717	1	18.9	15	41,353	3	19.8	21
Less than 3 years of Natural Science	9,821	19	18.5	11	233,215	16	18.4	11
No Nat Sci course/grade information reported	685	1	18.2	13	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 52,052

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	1,061	2	18.3	173	4	16.1	820	2	18.8
Architecture & Environmental Design	878	2	21.0	61	1	17.1	764	2	21.4
Business & Management	4,900	9	20.2	336	8	16.3	4,293	10	20.5
Business & Office	429	1	18.8	65	2	16.4	325	1	19.4
Marketing & Distribution	415	1	20.0	26	1	16.1	367	1	20.4
Communications & Comm. Technologies	1,175	2	21.3	64	1	17.3	1,056	2	21.6
Community & Personal Services	1,428	3	18.3	226	5	16.9	1,125	3	18.6
Computer & Information Sciences	1,267	2	20.6	146	3	18.0	1,042	2	21.0
Cross-Disciplinary Studies	69	0	23.0	2	0	20.0	65	0	23.0
Education	1,932	4	20.4	68	2	15.9	1,760	4	20.6
Teacher Education	1,590	3	19.9	71	2	16.4	1,415	3	20.3
Engineering	2,264	4	22.4	140	3	16.3	2,023	5	23.0
Engineering-Related Technologies	1,322	3	21.5	119	3	16.9	1,123	3	22.0
Foreign Languages	278	1	23.5	10	0	16.6	246	1	23.9
Health Sciences & Allied Health Fields	12,603	24	20.3	1,174	27	17.1	10,911	25	20.8
Human, Family & Consumer Science	721	1	18.5	123	3	16.2	536	1	19.2
Letters	310	1	24.3	10	0	19.5	276	1	24.6
Mathematics	314	1	22.8	10	0	17.0	274	1	23.3
Philosophy, Religion & Theology	344	1	22.5	11	0	19.8	305	1	22.8
Sciences (Biological & Physical)	2,553	5	23.0	54	1	17.5	2,391	6	23.1
Social Sciences	2,910	6	21.9	42	1	16.8	2,753	6	22.0
Trade & Industrial	610	1	17.7	325	8	17.1	257	1	18.5
Visual & Performing Arts	3,388	7	20.8	276	6	17.3	2,836	7	21.1
Undecided	7,646	15	20.9	699	16	16.8	6,131	14	21.4
No Response	1,645	3	17.7	99	2	15.1	277	1	18.0

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, 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: 52,052

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	1,121	16.8	196	14.2	5	16.4	821	17.4	41	16.8	8	16.1	50	16.9
2-yr College Degree	3,209	16.9	713	14.6	10	16.7	2,243	17.7	100	16.2	27	16.4	116	16.4
Bachelors Degree	21,508	19.9	3,889	16.3	84	20.1	16,020	20.8	457	19.0	244	20.3	814	19.9
Graduate Study	7,369	22.8	1,068	18.3	19	21.6	5,669	23.7	118	22.0	122	24.0	373	22.3
Prof. Level Degree	14,494	22.1	3,454	18.3	46	20.5	9,363	23.4	378	20.4	410	24.9	843	22.2
Other	1,634	17.9	453	15.3	6	16.7	995	19.1	46	17.4	24	17.9	110	18.6
No Response	2,717	19.8	510	15.5	9	18.8	1,800	21.0	80	16.8	41	24.1	277	20.4

Total Students in Report: 52,052

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	12,460	4,649	7,811	1	5	21	33	25	13	1
MIDDLE TENNESSEE STATE UNIVERSITY	Tennessee	10,993	3,666	7,327	1	12	32	33	16	6	0
UNIVERSITY OF TENNESSEE-CHATTANOOGA	Tennessee	6,895	1,619	5,276	2	11	30	33	18	7	0
UNIVERSITY OF MEMPHIS	Tennessee	5,698	2,100	3,598	4	21	33	25	12	5	0
TENNESSEE TECHNOLOGICAL UNIVERSITY	Tennessee	4,890	1,690	3,200	1	8	27	34	19	10	1
EAST TENNESSEE STATE UNIVERSITY	Tennessee	4,602	1,537	3,065	1	7	29	35	20	8	0
UNIVERSITY OF TENNESSEE-MARTIN	Tennessee	4,267	1,299	2,968	2	12	32	34	16	4	0
TENNESSEE STATE UNIVERSITY A.W. CAMPUS	Tennessee	3,402	870	2,532	6	33	40	16	4	1	0
VANDERBILT UNIVERSITY	Tennessee	3,307	711	2,596	1	6	15	24	25	24	4
AUSTIN PEAY STATE UNIVERSITY	Tennessee	3,290	1,183	2,107	2	12	34	33	14	4	0
BELMONT UNIVERSITY	Tennessee	2,175	580	1,595	1	6	19	33	26	14	1
CARSON-NEWMAN COLLEGE	Tennessee	1,781	418	1,363	0	8	30	33	20	8	0
PELLISSIPPI STATE TECHNICAL COMM COLL	Tennessee	1,613	615	998	2	15	34	33	14	3	0
SOUTHWEST TENNESSEE COMMUNITY COLLEGE	Tennessee	1,388	452	936	10	38	36	12	3	0	0
WALTERS STATE COMMUNITY COLLEGE	Tennessee	1,382	658	724	1	16	40	29	10	2	0
ROANE STATE COMMUNITY COLLEGE	Tennessee	1,320	589	731	2	17	40	30	10	2	0
LIPSCOMB UNIVERSITY	Tennessee	1,273	367	906	1	7	25	33	21	13	1
VOLUNTEER STATE COMMUNITY COLLEGE	Tennessee	1,248	541	707	3	17	41	29	8	3	0
UNION UNIVERSITY	Tennessee	1,208	331	877	1	6	21	34	24	13	1
CHATTANOOGA ST TECH COMM COLL	Tennessee	1,121	559	562	5	25	39	22	7	2	0
WESTERN KENTUCKY UNIVERSITY	Kentucky	1,080	250	830	1	12	30	33	16	7	0
COLUMBIA STATE COMMUNITY COLLEGE	Tennessee	1,060	510	550	2	16	42	30	8	2	0
JACKSON STATE COMM COLLEGE	Tennessee	1,047	423	624	3	23	41	25	7	1	0
NCAA ELIGIBILITY CENTER	Indiana	1,030	452	578	1	10	29	35	19	6	0
MOTLOW STATE COMMUNITY COLLEGE	Tennessee	1,008	403	605	2	17	41	30	8	1	0
TUSCULUM COLLEGE	Tennessee	986	203	783	1	11	38	31	15	4	0
CHRISTIAN BROTHERS UNIVERSITY	Tennessee	925	226	699	3	19	30	26	15	7	1
LEE UNIVERSITY	Tennessee	879	315	564	0	7	23	33	22	13	1
NORTHEAST STATE TECHNICAL COMM COLLEGE	Tennessee	869	367	502	2	15	43	29	9	2	0
AUBURN UNIVERSITY	Alabama	849	196	653	0	2	12	25	36	22	3
All Other Institutions		43,367	10,303	33,064	2	13	26	25	18	13	2
Total		127,413	38,082	89,331	2	13	28	29	18	9	1

Section V Optional Writing Test Results

Total Students in Report: 52,052

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	8,018	814,713	24.9	21.5	7.4	7.2	23.5	20.8
African American/Black	1,061	96,225	20.1	16.5	7.0	6.4	19.7	16.5
American Indian/Alaska Native	25	5,489	22.5	18.9	6.9	6.7	21.3	18.5
Caucasian American/White	5,913	497,164	25.7	22.8	7.4	7.3	24.1	21.9
Hispanic	170	85,681	23.4	18.4	7.5	7.0	22.5	18.4
Asian American/Pacific Islander	291	44,716	27.3	23.5	7.8	7.6	25.7	22.8
Other/No Response	558	85,438	25.2	21.4	7.5	7.2	23.8	20.8
Males	3,669	357,025	24.9	21.1	7.1	6.9	23.3	20.3
Females	4,324	455,190	24.9	21.7	7.6	7.4	23.7	21.2
Missing	25	2,498	24.4	22.1	7.6	7.2	23.5	21.3

