

ACT High School Profile Report

The Graduating Class of 2007
Tennessee



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

This report focuses on :

Performance - student test performance in the context of college readiness

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

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

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

Awareness - extent to which student aspirations match performance

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

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

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

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

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

The ACT:

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

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

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

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

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

18% of 2007 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT. 48,113 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. 59% 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 8% of the cohort took less than three years of math courses. Of these students, 11% were college ready. 35% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 11% of these students were college ready. In comparison, 52% 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. 13% of these students were college ready. In comparison, 26% 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 55% 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.

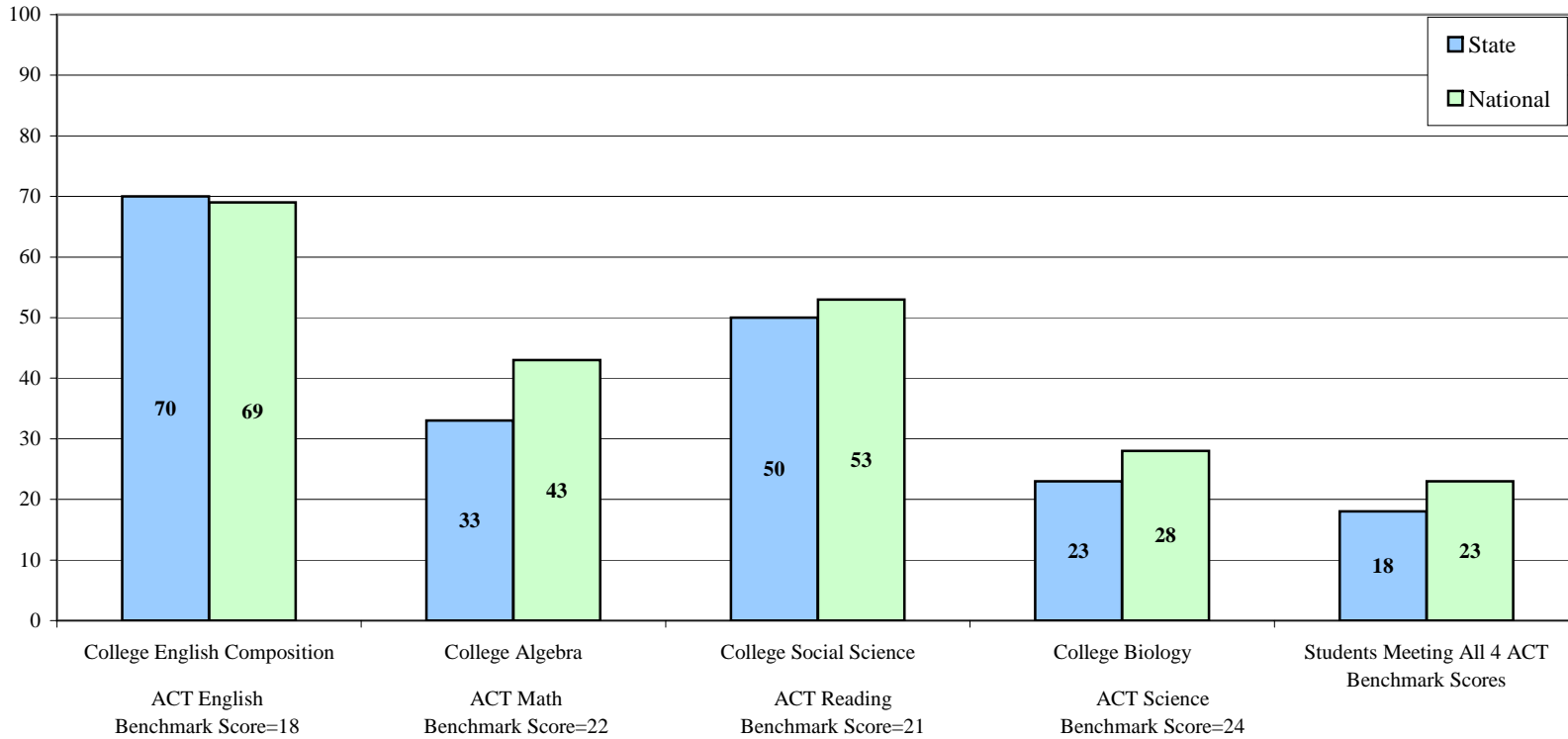
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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
2003	42,729	1,175,059	67	67	31	40	48	52	21	26	16	20
2004	42,662	1,171,460	69	68	32	40	49	52	22	26	17	21
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

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
2003	42,729	1,175,059	20.5	20.3	19.6	20.6	20.8	21.2	20.2	20.8	20.4	20.8
2004	42,662	1,171,460	20.6	20.4	19.7	20.7	21.0	21.3	20.3	20.9	20.5	20.9
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2

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
2003	26,452	14,667	62	34	21.5	18.5	20.4	18.0	21.6	19.2	20.9	18.8	21.2	18.8
2004	26,244	14,519	62	34	21.6	18.8	20.5	18.3	21.7	19.5	20.9	19.1	21.3	19.1
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

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

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	42,729	100	20.4	42,662	100	20.5	43,974	100	20.5	44,985	100	20.7	48,113	100	20.7
African American/Black	7,156	17	16.7	7,415	17	16.9	7,586	17	16.9	7,952	18	17.1	8,790	18	17.0
American Indian/Alaska Native	151	0	19.7	113	0	19.7	125	0	19.9	143	0	20.8	179	0	20.5
Caucasian American/White	31,895	75	21.2	31,584	74	21.3	32,304	73	21.3	32,350	72	21.5	33,538	70	21.5
Hispanic	570	1	19.3	625	1	19.4	732	2	19.5	791	2	19.8	841	2	19.3
Asian American/Pacific Islander	732	2	20.9	714	2	21.4	773	2	21.8	806	2	22.3	872	2	22.5
Other/No Response	2,225	5	20.6	2,211	5	20.8	2,454	6	20.8	2,943	7	20.8	3,893	8	21.6

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	77	100	61	100	168	100	114	100	11	100	36
35	512	100	160	100	403	100	201	100	66	100	35
34	781	99	242	100	576	99	97	99	158	100	34
33	550	97	205	99	721	98	255	99	274	100	33
32	538	96	343	99	857	96	201	99	404	99	32
31	909	95	450	98	1,082	94	317	98	578	98	31
30	837	93	447	97	1,075	92	510	98	838	97	30
29	1,024	91	873	96	1,300	90	524	96	970	95	29
28	1,618	89	848	94	1,594	87	713	95	1,259	93	28
27	1,380	86	1,325	92	1,802	84	1,088	94	1,512	91	27
26	1,801	83	1,838	90	1,594	80	1,925	92	1,895	87	26
25	2,776	79	1,997	86	2,000	77	2,200	88	2,283	83	25
24	2,354	73	2,497	82	2,436	73	2,886	83	2,615	79	24
23	2,417	68	2,275	77	3,648	68	2,966	77	3,092	73	23
22	3,244	63	2,411	72	2,166	60	4,451	71	3,452	67	22
21	3,537	57	2,617	67	2,476	55	4,564	62	3,919	60	21
20	3,681	49	2,847	61	4,253	50	5,250	52	3,670	52	20
19	3,251	42	3,448	55	2,697	41	3,994	41	3,987	44	19
18	2,195	35	3,557	48	2,202	36	4,135	33	3,647	36	18
17	2,030	30	4,886	41	3,024	31	2,809	24	3,339	28	17
16	2,726	26	6,523	31	2,965	25	2,050	19	3,046	21	16
15	2,350	21	4,707	17	2,098	19	1,731	14	2,578	15	15
14	2,153	16	2,509	7	2,479	14	1,449	11	2,069	9	14
13	1,315	11	710	2	1,706	9	1,087	8	1,364	5	13
12	1,081	8	249	1	1,585	6	974	5	774	2	12
11	915	6	64	1	658	3	764	3	256	1	11
10	815	4	18	1	336	1	610	2	46	1	10
9	538	3	4	1	90	1	157	1	7	1	9
8	461	1	1	1	61	1	64	1	1	1	8
7	197	1	1	1	39	1	14	1	2	1	7
6	35	1	0	1	11	1	6	1	0	1	6
5	9	1	0	1	8	1	2	1	1	1	5
4	4	1	0	1	2	1	3	1	0	1	4
3	1	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	1	1	0	1	0	1	1	1	0	1	1
Avg (SD)	20.8 (6.1)		19.9 (4.8)		21.1 (5.9)		20.4 (4.7)		20.7 (4.8)		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	1,373	100	334	100	643	100	1,192	100	944	100	240	100	227	100	18
17	2,469	97	882	99	2,220	99	2,111	98	1,406	98	278	100	253	100	17
16	1,926	92	2,053	97	2,100	94	2,831	93	1,893	95	591	99	683	99	16
15	1,802	88	3,127	93	2,524	90	3,391	87	2,173	91	1,536	98	1,795	98	15
14	3,310	84	3,142	87	2,581	84	3,745	80	3,187	87	2,179	95	2,397	94	14
13	3,245	77	3,745	80	2,793	79	3,811	72	3,847	80	4,016	90	3,557	89	13
12	3,863	71	5,233	72	6,293	73	4,570	64	3,645	72	4,050	82	3,984	81	12
11	4,428	63	6,484	62	4,968	60	3,259	55	4,220	64	5,504	73	5,049	73	11
10	5,507	53	5,831	48	4,508	50	4,258	48	5,069	56	8,687	62	7,654	63	10
9	4,333	42	4,925	36	5,490	40	4,375	39	4,181	45	7,429	44	7,456	47	9
8	4,465	33	4,854	26	6,202	29	3,543	30	5,785	36	5,381	28	5,132	31	8
7	3,604	24	2,884	16	3,153	16	3,089	23	6,783	24	2,955	17	4,419	21	7
6	2,781	16	1,992	10	2,192	10	4,116	16	3,284	10	2,510	11	2,160	11	6
5	2,564	10	1,365	5	1,055	5	2,139	8	995	4	1,536	6	1,172	7	5
4	1,405	5	872	3	875	3	1,274	3	468	1	453	3	1,137	5	4
3	749	2	328	1	365	1	283	1	185	1	643	2	596	2	3
2	268	1	55	1	113	1	110	1	35	1	1	1	268	1	2
1	21	1	7	1	38	1	16	1	13	1	124	1	174	1	1
Avg (SD)	10.4 (3.8)		10.7 (3.1)		10.7 (3.4)		10.8 (3.8)		10.3 (3.4)		9.9 (2.8)		9.8 (2.9)		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)	25	23	25	23	24
Q2 (50th Percentile)	21	19	20	20	20
Q1 (25th Percentile)	16	16	16	18	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	48,113	59	21.3	19.3
	African Am./Black	8,790	66	17.5	15.9
	Am. Indian/Alaska Native	179	52	21.2	19.6
	Caucasian Am./White	33,538	59	22.3	20.0
	Hispanic	841	60	20.3	17.5
	Asian Am./Pacific Islander	872	68	23.0	21.3
	Other/No Response	3,893	44	22.0	20.5
National	All Students	1,300,599	51	22.0	19.8
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.8	19.9	21.1	20.4	20.7
	African Am./Black	16.4	16.7	17.1	17.2	17.0
	Am. Indian/Alaska Native	20.1	19.4	21.6	20.2	20.5
	Caucasian Am./White	21.8	20.6	22.0	21.1	21.5
	Hispanic	18.8	19.0	19.6	19.3	19.3
	Asian Am./Pacific Islander	22.3	23.0	22.0	22.3	22.5
	Other/No Response	21.9	20.8	22.2	21.0	21.6
National	All Students	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

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

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	1,920	4	668	1	1,868	4	667	1
	28 to 32	4,926	10	2,961	6	5,908	12	2,265	5
	24 to 27	8,311	17	7,657	16	7,832	16	8,099	17
	20 to 23	12,879	27	10,150	21	12,543	26	17,231	36
	16 to 19	10,202	21	18,414	38	10,888	23	12,988	27
	13 to 15	5,818	12	7,926	16	6,283	13	4,267	9
	01 to 12	4,057	8	337	1	2,791	6	2,596	5
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	20,920	43	20.3	20.5	20.9	20.9	20.8
	Females	25,854	54	21.0	19.3	21.2	19.9	20.5
	Missing	1,339	3	22.7	21.3	22.9	21.6	22.2
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	67	38	49	27	21
	Females	71	29	50	19	15
National	Males	66	47	51	32	26
	Females	71	38	53	24	20

Section III

College Readiness and the Impact of Course Rigor

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

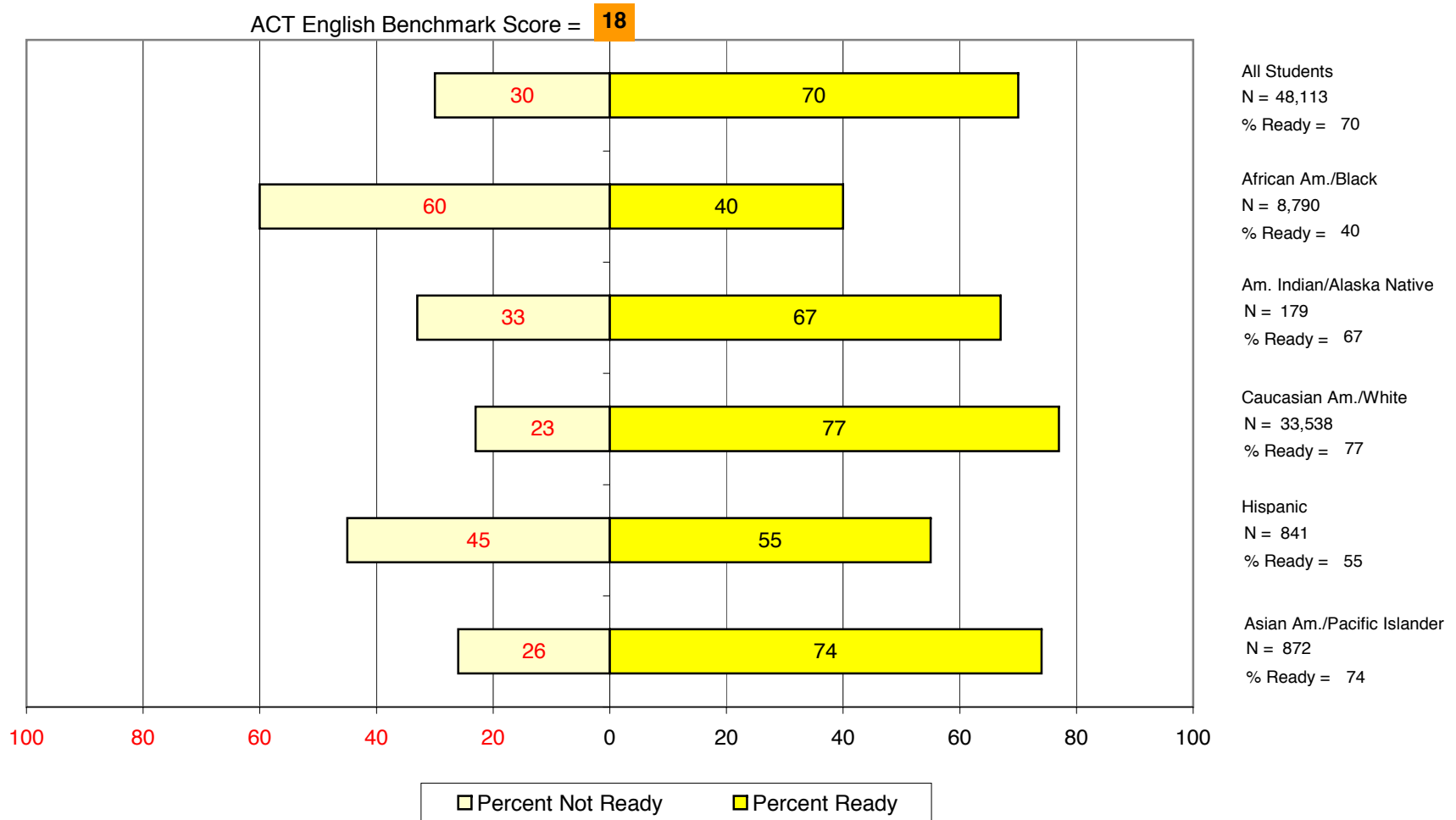


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

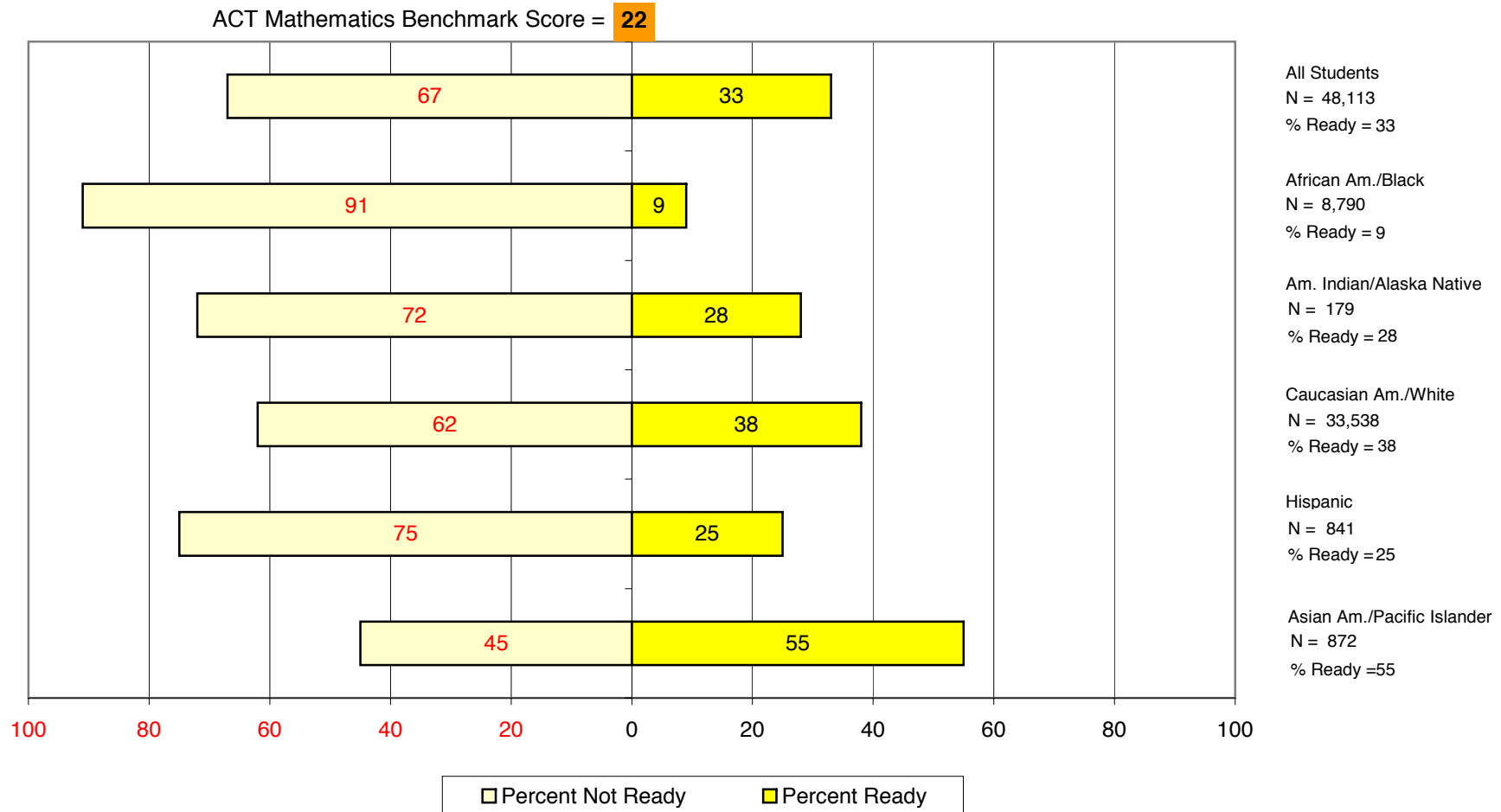


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

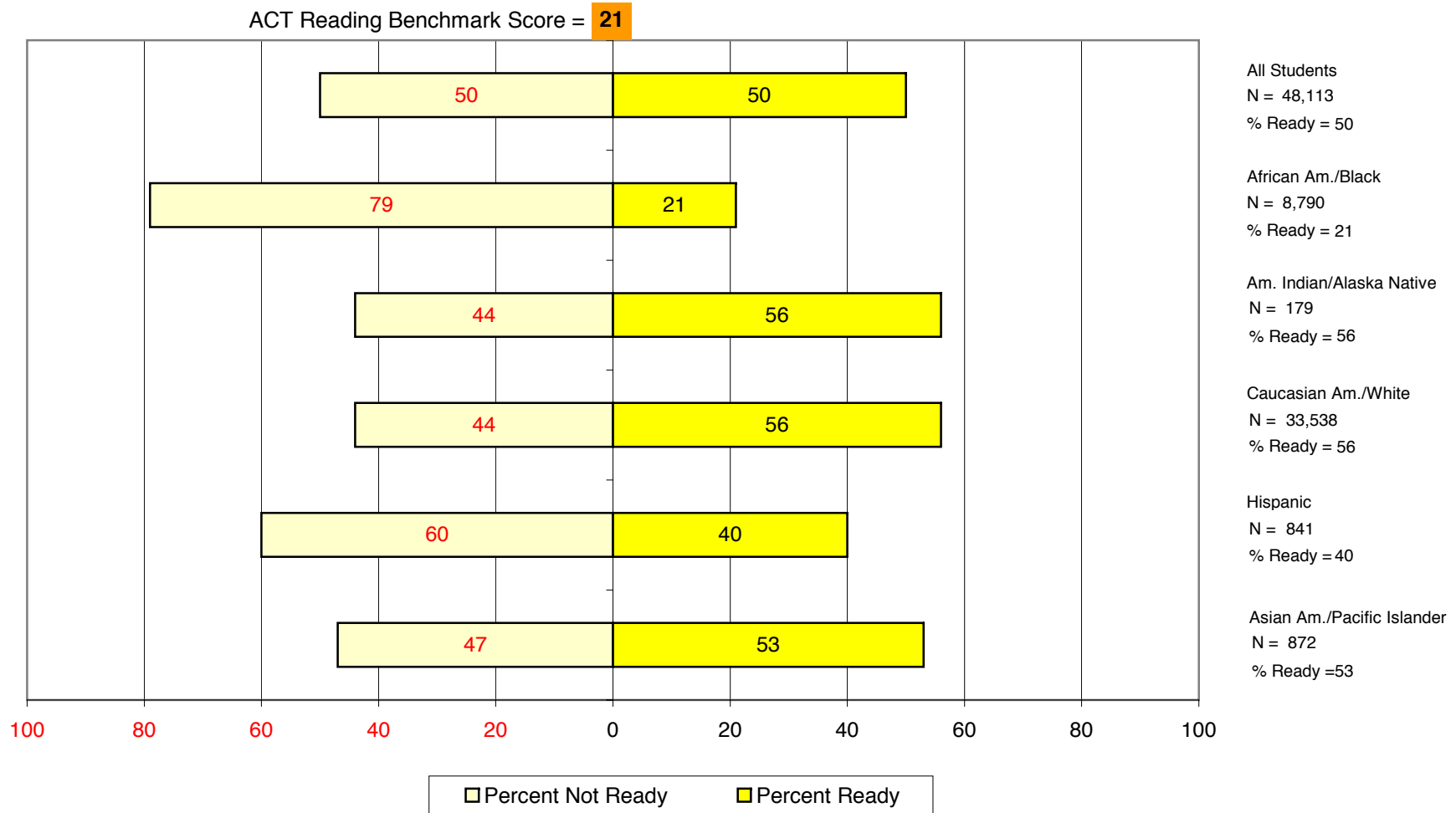


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

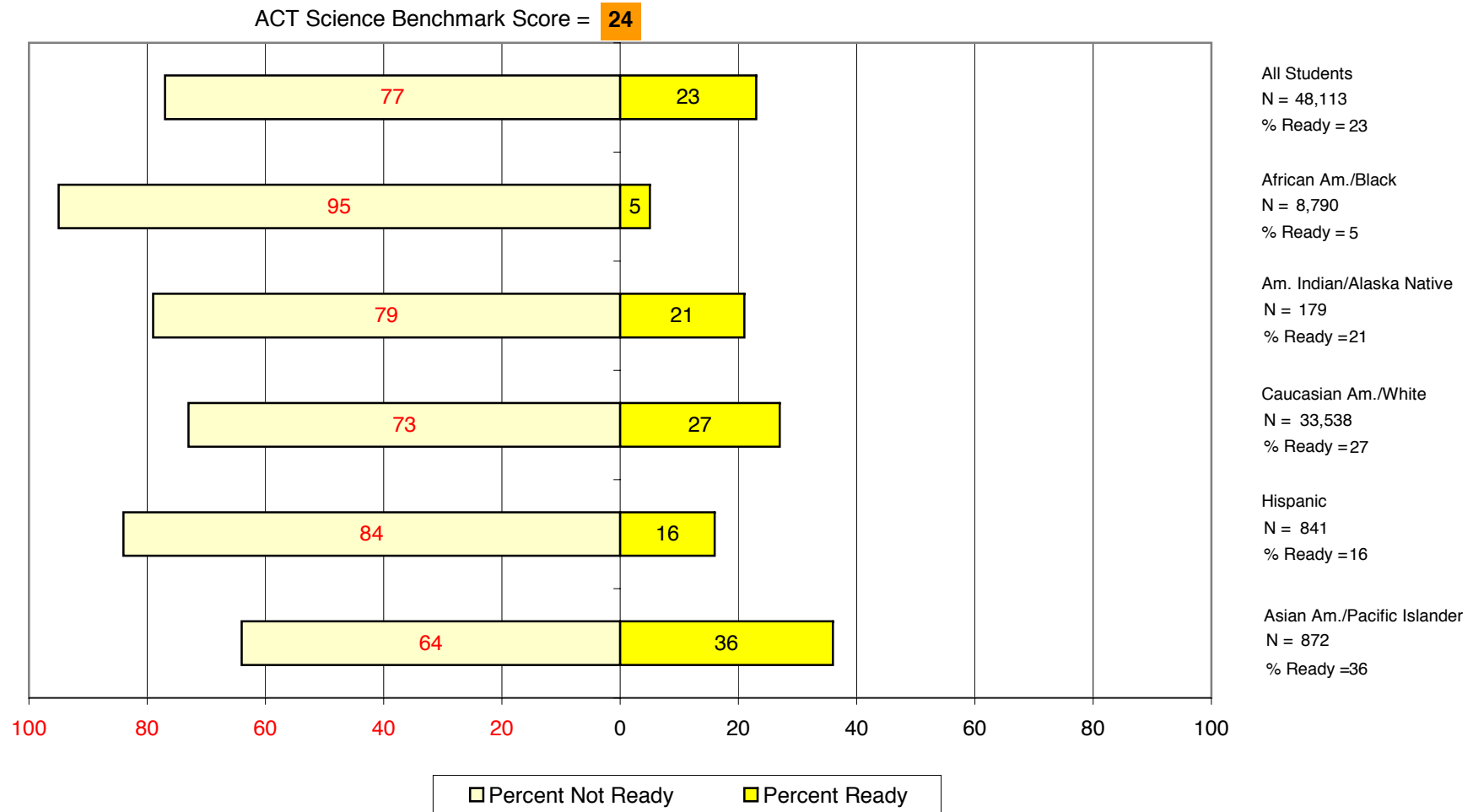


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

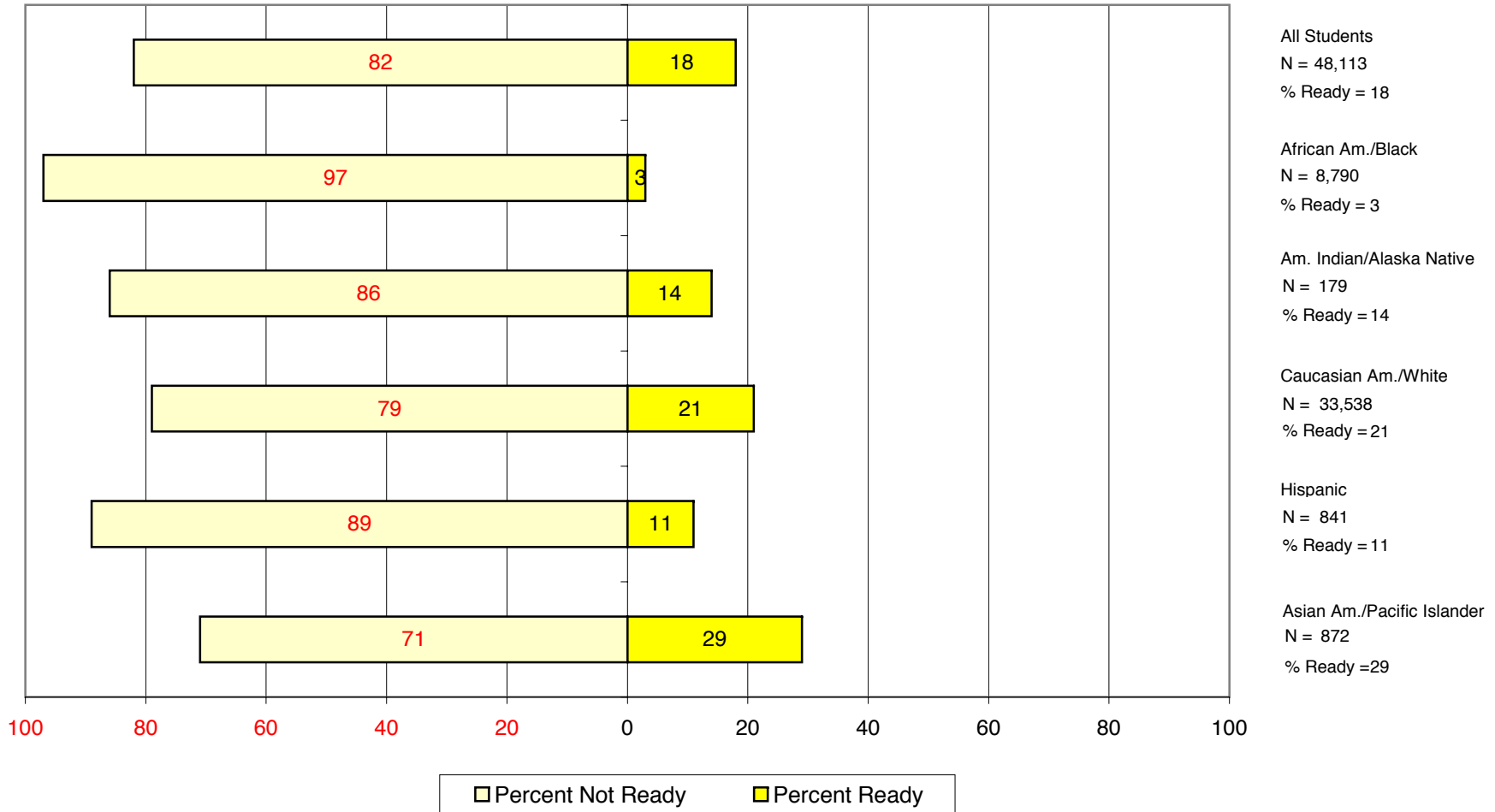


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added 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	4,746	10	23.2	3.3	1,811	9	22.8	3.0	2,864	11	23.4	3.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	36,383	76	20.4	0.5	15,715	75	20.1	0.3	20,147	78	20.6	0.6
Less than 4 years of English	2,912	6	19.9	-	1,461	7	19.8	-	1,347	5	20.0	-
No English course/grade information reported	4,072	8	21.5	-	1,933	9	20.6	-	1,496	6	22.2	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,627	3	24.1	7.2	810	4	24.8	7.5	774	3	23.2	6.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,718	6	22.1	5.2	1,010	5	22.8	5.5	1,671	6	21.6	5.2
Alg 1, Alg 2, Geom, & Trig	3,459	7	20.3	3.4	1,476	7	20.9	3.6	1,937	7	19.8	3.4
Alg 1, Alg 2, Geom, & Other Adv Math	6,768	14	20.5	3.6	2,575	12	21.1	3.8	4,091	16	20.2	3.8
Other comb of 4 or more years of Math	7,028	15	24.2	7.3	3,380	16	24.9	7.6	3,542	14	23.4	7.0
Alg 1, Alg 2, & Geom (Min. Core)	16,628	35	17.4	0.5	6,816	33	17.9	0.6	9,600	37	17.0	0.6
Other comb of 3 or 3.5 years of Math	1,846	4	20.5	3.6	950	5	20.8	3.5	854	3	20.1	3.7
Less than 3 years of Math	3,812	8	16.9	-	1,888	9	17.3	-	1,829	7	16.4	-
No Math course/grade information reported	4,227	9	20.6	-	2,015	10	20.7	-	1,556	6	20.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	218	0	23.7	3.5	106	1	23.7	3.7	104	0	23.6	3.4
Other comb of 4 or more years Social Science	16,053	33	21.7	1.5	6,683	32	21.6	1.6	9,144	35	21.8	1.6
US Hist, World Hist, & Am Gov (Min. Core)	755	2	20.2	0.0	350	2	20.0	0.0	384	1	20.5	0.3
Other comb of 3 or 3.5 years of Social Science	20,703	43	20.8	0.6	8,705	42	20.7	0.7	11,743	45	20.8	0.6
Less than 3 years of Social Science	6,091	13	20.2	-	3,030	14	20.0	-	2,895	11	20.2	-
No Soc Sci course/grade information reported	4,293	9	21.8	-	2,046	10	21.1	-	1,584	6	22.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	8,755	18	22.2	3.4	4,376	21	22.9	3.8	4,214	16	21.4	2.8
Bio, Chem, Phys	2,062	4	24.6	5.8	1,037	5	25.2	6.1	970	4	23.8	5.2
Gen Sci ² , Bio, Chem (Min. Core)	21,956	46	19.9	1.1	8,497	41	20.2	1.1	13,190	51	19.7	1.1
Other comb of 3 years of Natural Science	548	1	19.7	0.9	306	1	20.4	1.3	223	1	18.6	0.0
Less than 3 years of Natural Science	10,381	22	18.8	-	4,590	22	19.1	-	5,631	22	18.6	-
No Nat Sci course/grade information reported	4,411	9	20.8	-	2,114	10	20.9	-	1,626	6	20.4	-

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	4,746	10	23.2	82	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	36,383	76	20.4	68	766,001	59	20.5	68
Less than 4 years of English	2,912	6	19.9	64	141,777	11	19.7	64
No English course/grade information reported	4,072	8	21.5	74	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,627	3	24.1	68	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,718	6	22.1	56	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	3,459	7	20.3	37	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	6,768	14	20.5	40	163,562	13	20.4	38
Other comb of 4 or more years of Math	7,028	15	24.2	69	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	16,628	35	17.4	11	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	1,846	4	20.5	39	57,945	4	20.9	43
Less than 3 years of Math	3,812	8	16.9	11	145,617	11	18.3	21
No Math course/grade information reported	4,227	9	20.6	39	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	218	0	23.7	67	31,985	2	22.7	61
Other comb of 4 or more years Social Science	16,053	33	21.7	54	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	755	2	20.2	44	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	20,703	43	20.8	47	333,689	26	21.4	52
Less than 3 years of Social Science	6,091	13	20.2	43	201,605	16	20.6	47
No Soc Sci course/grade information reported	4,293	9	21.8	55	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	8,755	18	22.2	38	333,648	26	22.4	40
Bio, Chem, Phys	2,062	4	24.6	58	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	21,956	46	19.9	18	353,348	27	20.2	20
Other comb of 3 years of Natural Science	548	1	19.7	16	32,593	3	20.4	24
Less than 3 years of Natural Science	10,381	22	18.8	13	247,312	19	19.1	15
No Nat Sci course/grade information reported	4,411	9	20.8	26	218,401	17	20.9	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	739	2	18.5	122	3	16.1	570	2	19.2
Architecture & Environmental Design	728	2	20.7	50	1	17.1	634	2	21.1
Business & Management	3,832	8	19.9	326	9	16.7	3,293	9	20.3
Business & Office	235	0	18.8	49	1	17.0	174	0	19.4
Marketing & Distribution	310	1	19.7	12	0	17.6	279	1	19.8
Communications & Comm. Technologies	1,176	2	21.1	70	2	17.6	1,034	3	21.5
Community & Personal Services	1,382	3	18.0	268	7	16.2	1,005	3	18.5
Computer & Information Sciences	1,028	2	21.0	130	4	17.9	852	2	21.5
Cross-Disciplinary Studies	45	0	24.3	2	0	23.0	42	0	24.3
Education	1,572	3	20.1	70	2	16.0	1,400	4	20.4
Teacher Education	1,140	2	19.9	47	1	15.6	1,021	3	20.3
Engineering	1,804	4	22.0	123	3	16.8	1,594	4	22.5
Engineering-Related Technologies	832	2	21.2	66	2	17.3	719	2	21.7
Foreign Languages	204	0	23.3	4	0	17.0	188	1	23.8
Health Sciences & Allied Health Fields	9,704	20	20.1	959	26	16.9	8,300	23	20.6
Human, Family & Consumer Science	526	1	18.4	97	3	16.2	378	1	19.0
Letters	243	1	23.8	8	0	18.1	217	1	24.2
Mathematics	172	0	23.7	10	0	19.8	156	0	24.0
Philosophy, Religion & Theology	301	1	22.5	16	0	19.2	271	1	22.7
Sciences (Biological & Physical)	1,545	3	22.9	29	1	16.4	1,460	4	23.1
Social Sciences	2,696	6	21.7	33	1	17.4	2,569	7	21.9
Trade & Industrial	456	1	18.5	220	6	17.6	207	1	19.4
Visual & Performing Arts	2,693	6	20.7	256	7	17.4	2,217	6	21.2
Undecided	5,636	12	20.5	507	14	16.6	4,657	13	21.1
No Response	9,114	19	21.4	228	6	16.4	3,028	8	22.2

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	946	16.7	181	14.8	4	15.3	696	17.2	12	18.2	6	15.5	47	16.9
2-yr College Degree	2,756	16.9	619	14.6	11	16.7	1,899	17.7	64	16.1	26	15.8	137	17.0
Bachelors Degree	16,534	19.9	2,777	16.4	56	20.2	12,325	20.7	260	18.5	206	20.1	910	20.2
Graduate Study	7,091	22.5	1,099	18.4	28	23.4	5,293	23.3	96	21.5	136	23.3	439	22.8
Prof. Level Degree	12,640	21.8	2,857	18.2	58	20.8	8,186	23.0	276	20.4	352	24.3	911	22.6
Other	1,747	17.9	537	15.4	4	17.3	1,041	19.0	19	18.0	24	20.0	122	18.2
No Response	6,399	21.2	720	16.5	18	20.1	4,098	21.6	114	18.8	122	22.9	1,327	22.3

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	14,579	5,360	9,219	1	6	23	35	24	11	1
MIDDLE TENNESSEE STATE UNIVERSITY	Tennessee	12,638	4,031	8,607	2	11	31	34	17	5	0
UNIVERSITY OF TENNESSEE-CHATTANOOGA	Tennessee	7,063	1,565	5,498	2	12	32	34	16	5	0
UNIVERSITY OF MEMPHIS	Tennessee	6,297	2,163	4,134	4	19	32	27	13	4	0
TENNESSEE TECHNOLOGICAL UNIVERSITY	Tennessee	5,197	1,725	3,472	1	9	29	33	19	8	1
EAST TENNESSEE STATE UNIVERSITY	Tennessee	5,068	1,649	3,419	1	8	30	34	20	6	0
UNIVERSITY OF TENNESSEE-MARTIN	Tennessee	4,508	1,320	3,188	2	13	34	32	14	5	0
TENNESSEE STATE UNIVERSITY A.W. CAMPUS	Tennessee	4,153	1,114	3,039	7	30	40	19	4	1	0
AUSTIN PEAY STATE UNIVERSITY	Tennessee	3,643	1,255	2,388	2	13	34	33	15	4	0
VANDERBILT UNIVERSITY	Tennessee	3,452	688	2,764	1	5	16	27	25	22	4
BELMONT UNIVERSITY	Tennessee	2,211	568	1,643	2	6	21	34	25	11	1
CARSON-NEWMAN COLLEGE	Tennessee	1,849	400	1,449	1	10	31	34	17	7	0
PELLISSIPPI STATE TECHNICAL COMM COLL	Tennessee	1,818	673	1,145	1	13	36	34	13	2	0
SOUTHWEST TENNESSEE COMMUNITY COLLEGE	Tennessee	1,605	482	1,123	10	32	38	16	4	1	0
WALTERS STATE COMMUNITY COLLEGE	Tennessee	1,604	775	829	3	16	41	30	8	2	0
VOLUNTEER STATE COMMUNITY COLLEGE	Tennessee	1,527	587	940	2	18	43	28	7	2	0
ROANE STATE COMMUNITY COLLEGE	Tennessee	1,440	611	829	1	15	40	32	10	1	0
CHATTANOOGA ST TECH COMM COLL	Tennessee	1,281	539	742	5	21	40	25	8	1	0
LIPSCOMB UNIVERSITY	Tennessee	1,254	287	967	2	9	23	33	22	10	1
JACKSON STATE COMM COLLEGE	Tennessee	1,178	498	680	4	22	40	26	8	1	0
UNION UNIVERSITY	Tennessee	1,172	292	880	1	9	26	32	23	9	1
COLUMBIA STATE COMMUNITY COLLEGE	Tennessee	1,146	535	611	2	20	42	26	8	2	0
WESTERN KENTUCKY UNIVERSITY	Kentucky	1,079	237	842	2	11	30	37	16	5	0
UNIV OF TENNESSEE HEALTH SCIENCE CENTER	Tennessee	1,071	138	933	3	14	32	30	16	5	0
MOTLOW STATE COMMUNITY COLLEGE	Tennessee	1,048	390	658	2	17	42	28	8	2	0
MARYVILLE COLLEGE	Tennessee	1,030	187	843	1	8	22	36	24	9	1
NORTHEAST STATE TECHNICAL COMM COLLEGE	Tennessee	1,005	458	547	3	15	42	31	9	1	0
AUBURN UNIVERSITY	Alabama	985	281	704	0	5	12	31	31	19	2
CHRISTIAN BROTHERS UNIVERSITY	Tennessee	971	229	742	3	15	28	28	17	9	0
CUMBERLAND UNIVERSITY	Tennessee	957	198	759	1	13	38	33	12	3	0
All Other Institutions		50,372	11,701	38,671	2	13	26	26	19	12	2
Total		143,201	40,936	102,265	2	12	29	30	17	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
All Students	7,346	532,943	25.2	22.3	7.7	7.6	24.1	21.8
African Am./Black	821	50,340	20.1	17.2	7.3	6.7	20.0	17.3
Am. Indian/Alaska Native	23	3,462	23.2	19.8	7.3	7.0	22.2	19.4
Caucasian Am./White	5,127	308,578	25.8	23.4	7.8	7.6	24.6	22.6
Hispanic	139	42,588	22.5	18.8	7.6	7.3	22.0	19.0
Asian Am./Pacific Islander	272	25,616	26.5	23.2	8.2	8.0	25.5	22.8
Other/No Response	964	102,359	26.0	23.2	7.8	7.8	24.7	22.7
Males	3,041	204,427	24.9	22.0	7.4	7.3	23.6	21.3
Females	3,930	285,556	25.3	22.5	8.0	7.7	24.4	22.1
Missing	375	42,960	25.7	23.0	7.8	7.8	24.5	22.6

