

# ACT High School Profile Report

The Graduating Class of 2007  
Missouri





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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](http://www.act.org)

## How to Improve Scores and Increase College Readiness

25% 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.** 45,354 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. 47% 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 11% of the cohort took less than three years of math courses. Of these students, 17% were college ready. 15% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 14% of these students were college ready. In comparison, 55% 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 23% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 37% 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 46% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

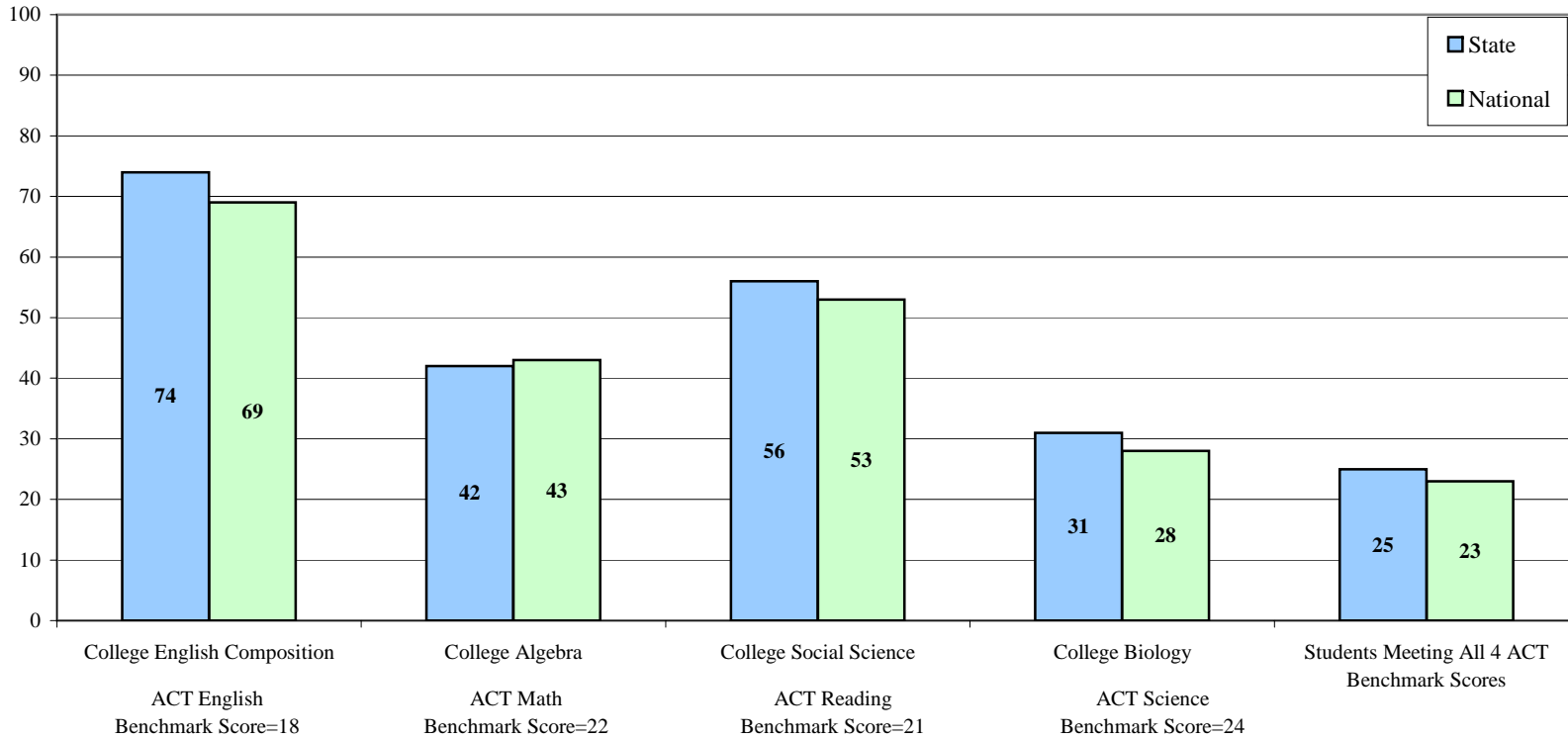
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic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

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

# 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	42,840	1,175,059	72	67	40	40	56	52	29	26	23	20
2004	42,862	1,171,460	74	68	42	40	56	52	30	26	23	21
2005	42,705	1,186,251	74	68	42	41	56	51	30	26	23	21
2006	42,885	1,206,455	74	69	43	42	57	53	30	27	24	21
<b>2007</b>	<b>45,354</b>	<b>1,300,599</b>	<b>74</b>	<b>69</b>	<b>42</b>	<b>43</b>	<b>56</b>	<b>53</b>	<b>31</b>	<b>28</b>	<b>25</b>	<b>23</b>

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

Grad Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2003	42,840	1,175,059	21.2	20.3	20.7	20.6	21.9	21.2	21.4	20.8	21.4	20.8
2004	42,862	1,171,460	21.4	20.4	20.9	20.7	22.0	21.3	21.4	20.9	21.5	20.9
2005	42,705	1,186,251	21.4	20.4	20.9	20.7	21.9	21.3	21.5	20.9	21.6	20.9
2006	42,885	1,206,455	21.5	20.6	21.0	20.8	22.0	21.4	21.5	20.9	21.6	21.1
<b>2007</b>	<b>45,354</b>	<b>1,300,599</b>	<b>21.5</b>	<b>20.7</b>	<b>21.0</b>	<b>21.0</b>	<b>22.1</b>	<b>21.5</b>	<b>21.5</b>	<b>21.0</b>	<b>21.6</b>	<b>21.2</b>

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

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
<b>2007</b>	<b>1,300,599</b>	<b>20.7</b>	<b>21.0</b>	<b>21.5</b>	<b>21.0</b>	<b>21.2</b>

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

Grad Year	Number of Students Tested		Percent <sup>1</sup>		Average ACT Scores									
	Core or More	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2003	24,708	15,944	58	37	22.5	19.2	21.9	18.8	22.9	20.2	22.4	19.9	22.5	19.6
2004	24,739	15,764	58	37	22.6	19.3	22.1	19.0	23.0	20.3	22.4	19.9	22.6	19.7
2005	24,396	15,499	57	36	22.7	19.3	22.1	19.0	23.0	20.2	22.4	20.0	22.7	19.8
2006	22,852	15,689	53	37	22.9	19.7	22.2	19.4	23.2	20.6	22.5	20.2	22.8	20.1
<b>2007</b>	<b>21,252</b>	<b>16,305</b>	<b>47</b>	<b>36</b>	<b>22.9</b>	<b>19.9</b>	<b>22.3</b>	<b>19.6</b>	<b>23.3</b>	<b>20.9</b>	<b>22.6</b>	<b>20.4</b>	<b>22.9</b>	<b>20.3</b>

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

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

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>42,840</b>	<b>100</b>	<b>21.4</b>	<b>42,862</b>	<b>100</b>	<b>21.5</b>	<b>42,705</b>	<b>100</b>	<b>21.6</b>	<b>42,885</b>	<b>100</b>	<b>21.6</b>	<b>45,354</b>	<b>100</b>	<b>21.6</b>
African American/Black	3,777	9	17.5	3,850	9	17.5	4,196	10	17.4	4,201	10	17.4	4,563	10	17.3
American Indian/Alaska Native	215	1	20.6	235	1	21.2	224	1	20.1	237	1	20.2	254	1	20.5
Caucasian American/White	34,695	81	21.9	34,531	81	22.0	33,910	79	22.1	32,900	77	22.2	32,801	72	22.3
Hispanic	704	2	20.1	719	2	20.2	770	2	20.6	801	2	20.8	926	2	20.2
Asian American/Pacific Islander	747	2	22.0	780	2	22.7	744	2	23.2	818	2	23.0	807	2	23.0
Other/No Response	2,702	6	21.6	2,747	6	21.4	2,861	7	21.6	3,928	9	21.1	6,003	13	21.4

# Section II

# Academic Achievement

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages for All Students**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
36	92	100	93	100	261	100	149	100	17	100	36
35	572	100	228	100	537	99	329	100	101	100	35
34	950	99	332	99	767	98	163	99	226	100	34
33	655	96	323	99	920	97	427	99	389	99	33
32	629	95	519	98	1,058	95	318	98	568	98	32
31	1,020	94	634	97	1,277	92	490	97	936	97	31
30	1,014	91	735	95	1,307	89	734	96	1,373	95	30
29	1,047	89	1,210	94	1,402	86	683	94	936	92	29
28	1,809	87	1,128	91	1,719	83	1,078	93	1,450	90	28
27	1,450	83	1,641	89	1,949	80	1,384	90	1,826	87	27
26	1,892	80	2,214	85	1,820	75	2,341	87	2,074	83	26
25	2,804	75	2,340	80	2,047	71	2,774	82	2,581	78	25
24	2,379	69	2,838	75	2,432	67	3,145	76	2,931	72	24
23	2,308	64	2,406	69	3,508	61	3,121	69	3,117	66	23
22	3,039	59	2,614	63	2,209	54	4,502	62	3,333	59	22
21	3,368	52	2,690	58	2,326	49	4,435	52	3,736	52	21
20	3,424	45	2,650	52	3,740	44	4,656	43	3,479	44	20
19	2,911	37	3,233	46	2,404	35	3,399	32	3,452	36	19
18	2,056	31	3,271	39	1,989	30	3,398	25	3,067	28	18
17	1,815	26	3,919	31	2,585	26	2,091	17	2,740	22	17
16	2,381	22	4,651	23	2,444	20	1,425	13	2,258	15	16
15	1,950	17	3,144	13	1,647	15	1,191	10	1,743	11	15
14	1,661	13	1,733	6	1,807	11	941	7	1,315	7	14
13	989	9	495	2	1,248	7	566	5	914	4	13
12	863	7	231	1	1,112	4	562	4	501	2	12
11	710	5	52	1	465	2	525	2	215	1	11
10	604	3	21	1	213	1	367	1	59	1	10
9	400	2	6	1	83	1	80	1	9	1	9
8	345	1	0	1	33	1	48	1	5	1	8
7	151	1	1	1	21	1	18	1	2	1	7
6	43	1	2	1	11	1	8	1	1	1	6
5	19	1	0	1	6	1	0	1	0	1	5
4	4	1	0	1	4	1	3	1	0	1	4
3	0	1	0	1	1	1	2	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	1	1	1	1	0	1	1
Avg (SD)	21.5 (6.1)		21.0 (5.1)		22.1 (6.0)		21.5 (4.8)		21.6 (4.9)		Avg (SD)

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

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	1,511	100	434	100	883	100	1,494	100	1,356	100	333	100	380	100	18
17	2,428	97	1,292	99	2,744	98	2,460	97	1,879	97	472	99	321	99	17
16	2,053	91	2,522	96	2,668	92	3,165	91	2,341	93	849	98	1,099	98	16
15	1,843	87	3,623	91	2,873	86	3,594	84	2,519	88	2,010	96	2,412	96	15
14	3,382	83	3,343	83	2,912	80	3,803	76	3,580	82	2,869	92	3,276	91	14
13	3,347	75	3,872	75	2,916	73	4,042	68	4,255	74	4,605	86	4,324	83	13
12	3,658	68	5,139	67	5,984	67	4,312	59	3,926	65	4,304	75	4,495	74	12
11	4,253	60	6,095	55	4,689	54	3,160	50	4,200	56	5,509	66	5,295	64	11
10	5,366	50	5,125	42	4,144	43	3,825	43	4,718	47	7,596	54	7,039	52	10
9	3,967	39	4,235	31	4,682	34	3,981	34	3,666	37	6,037	37	6,186	37	9
8	4,107	30	3,931	21	4,731	24	2,948	25	4,584	28	4,341	24	3,941	23	8
7	3,083	21	2,291	13	2,459	14	2,553	19	4,956	18	2,523	14	2,859	15	7
6	2,346	14	1,435	8	1,704	8	3,264	13	2,176	7	1,883	9	1,504	8	6
5	1,995	9	1,122	4	896	4	1,584	6	692	3	1,125	4	778	5	5
4	1,221	4	655	2	634	2	896	3	336	1	292	2	719	3	4
3	549	2	195	1	335	1	184	1	133	1	499	1	430	2	3
2	222	1	43	1	74	1	80	1	33	1	8	1	164	1	2
1	23	1	2	1	26	1	9	1	4	1	99	1	132	1	1
Avg (SD)	10.7 (3.8)		11.1 (3.2)		11.2 (3.4)		11.3 (3.7)		11.0 (3.4)		10.4 (2.9)		10.5 (3.0)		Avg (SD)

<sup>1</sup>Note: 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	25	26	24	25
Q2 (50th Percentile)	21	20	22	21	21
Q1 (25th Percentile)	17	17	17	19	18

**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	<b>All Students</b>	<b>45,354</b>	<b>47</b>	<b>22.9</b>	<b>20.3</b>
	African Am./Black	4,563	46	18.3	16.7
	Am. Indian/Alaska Native	254	44	22.3	19.3
	Caucasian Am./White	32,801	50	23.4	20.7
	Hispanic	926	43	21.8	18.9
	Asian Am./Pacific Islander	807	55	24.1	21.6
	Other/No Response	6,003	28	23.1	20.7
National	<b>All Students</b>	<b>1,300,599</b>	<b>51</b>	<b>22.0</b>	<b>19.8</b>
	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	<b>All Students</b>	21.5	21.0	22.1	21.5	21.6
	African Am./Black	16.5	17.0	17.6	17.7	17.3
	Am. Indian/Alaska Native	19.9	20.0	21.1	20.5	20.5
	Caucasian Am./White	22.2	21.6	22.8	22.1	22.3
	Hispanic	19.6	19.6	20.7	20.3	20.2
	Asian Am./Pacific Islander	22.6	23.5	22.6	22.7	23.0
	Other/No Response	21.2	20.9	22.0	21.2	21.4
National	<b>All Students</b>	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	2,269	5	976	2	2,485	5	1,068	2
	28 to 32	5,519	12	4,226	9	6,763	15	3,303	7
	24 to 27	8,525	19	9,033	20	8,248	18	9,644	21
	20 to 23	12,139	27	10,360	23	11,783	26	16,714	37
	16 to 19	9,163	20	15,074	33	9,422	21	10,313	23
	13 to 15	4,600	10	5,372	12	4,702	10	2,698	6
	01 to 12	3,139	7	313	1	1,951	4	1,614	4
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	19,533	43	21.1	21.7	22.0	22.0	21.8
	Females	23,627	52	21.7	20.3	22.1	21.0	21.4
	Missing	2,194	5	22.5	21.7	23.1	22.2	22.5
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	71	48	55	36	29
	Females	75	37	57	26	21
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

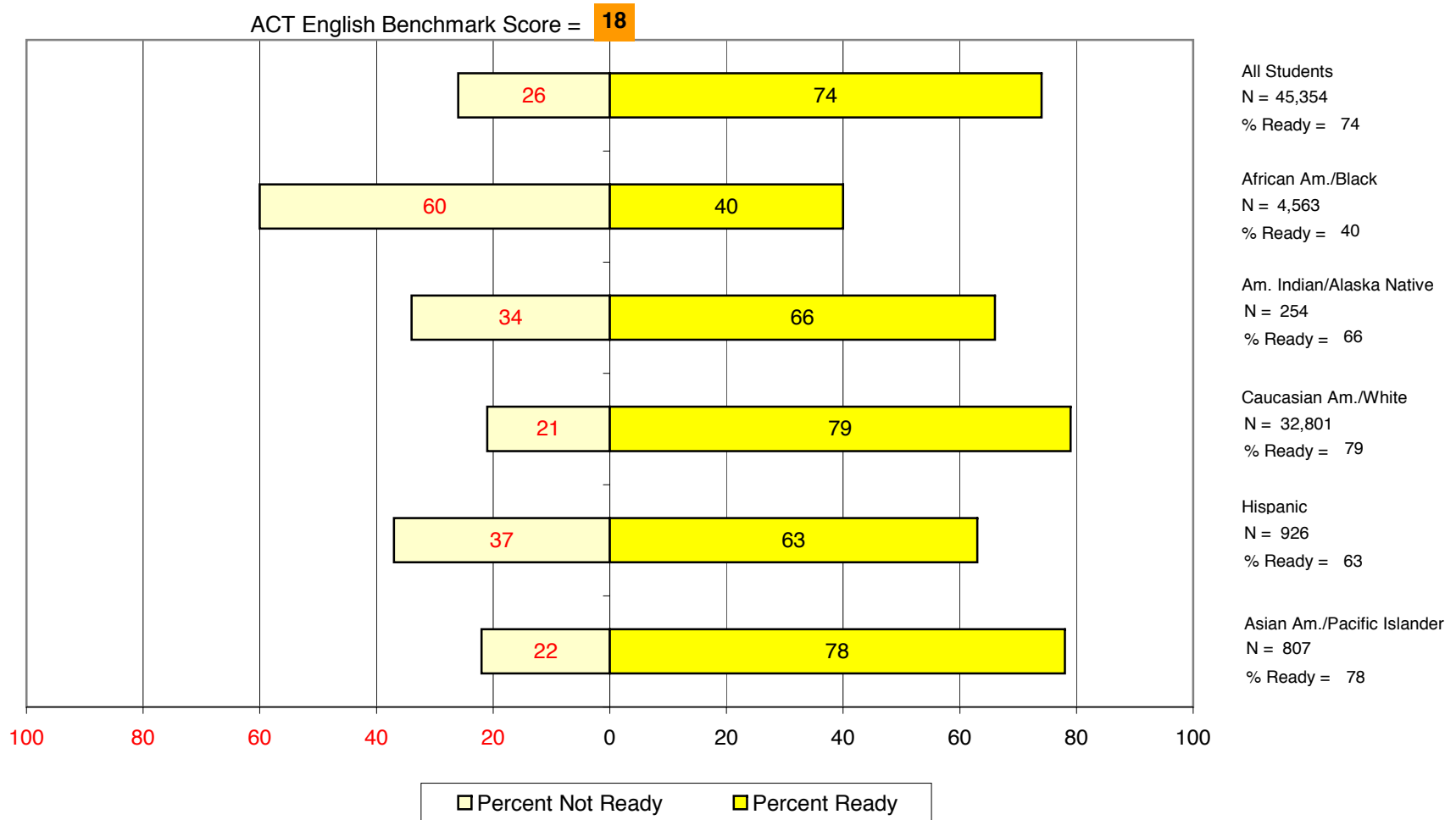


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

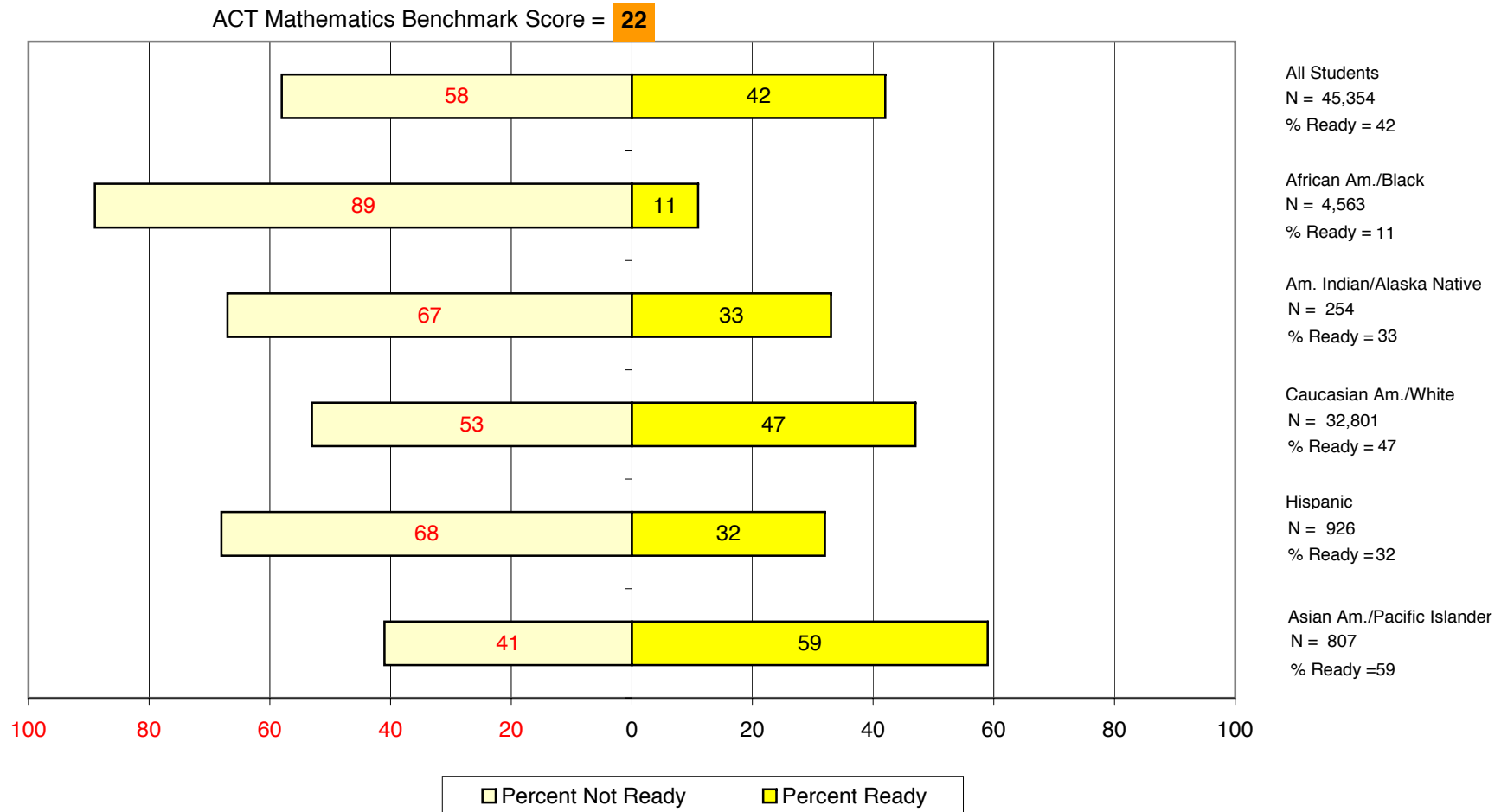


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

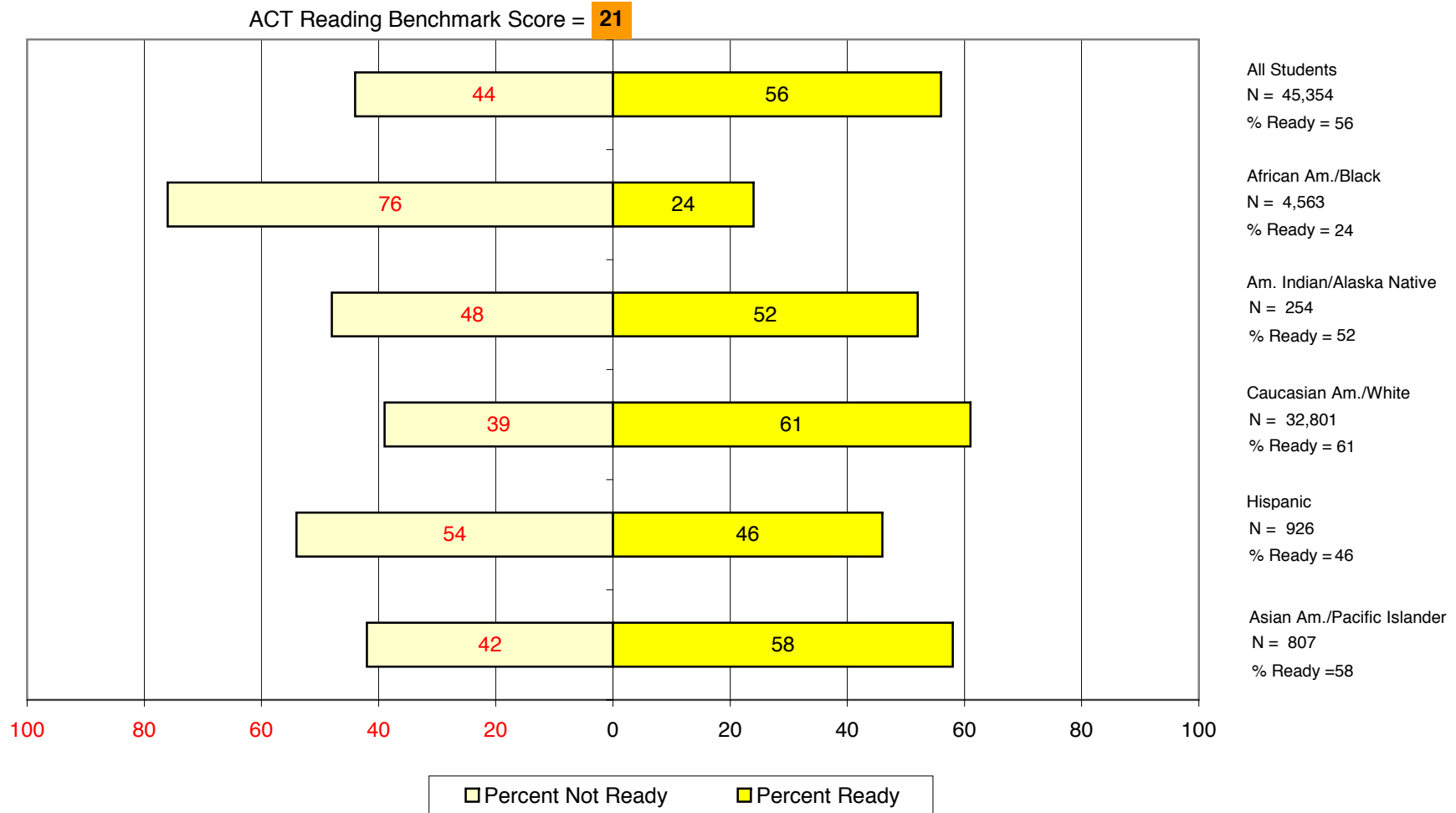


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

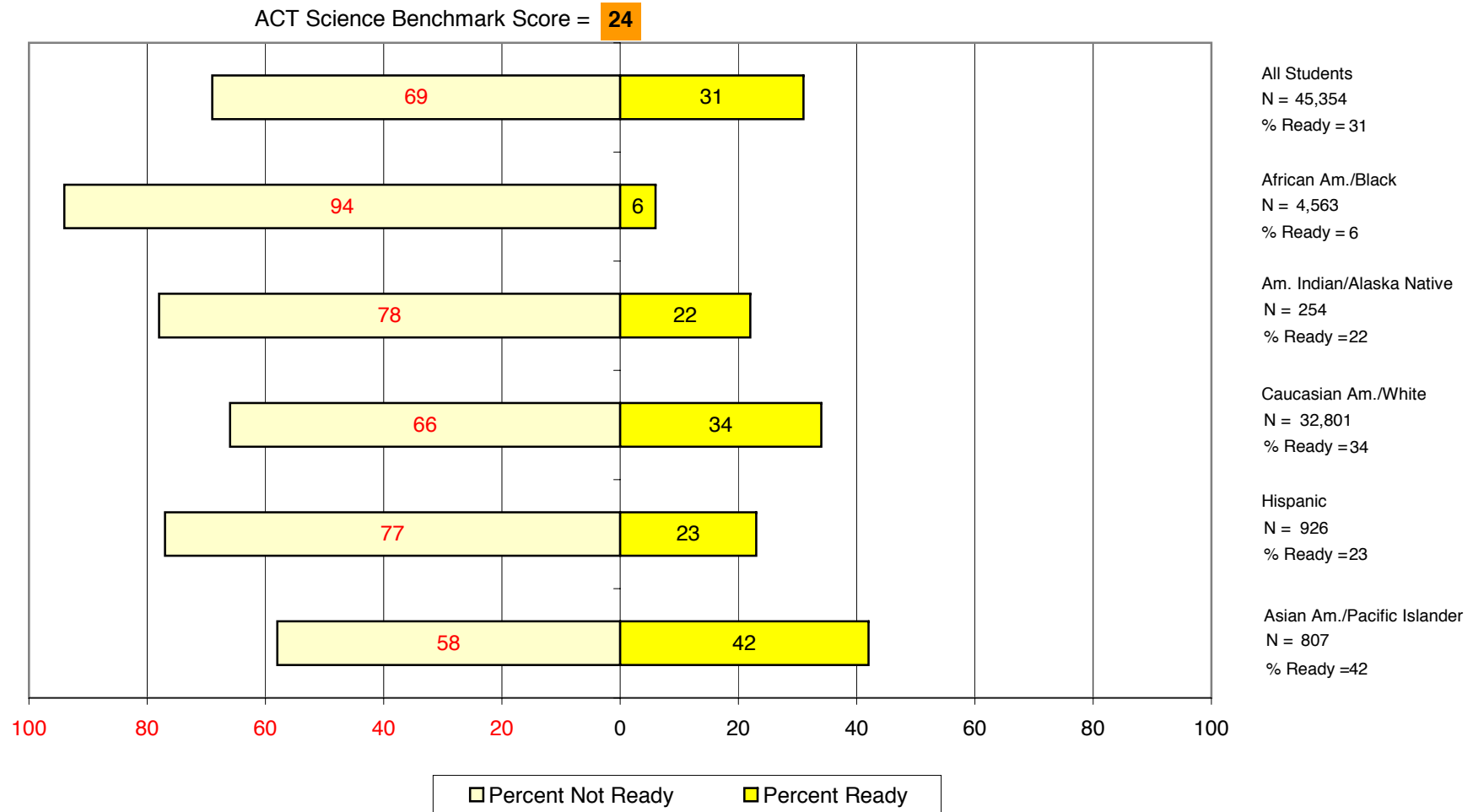
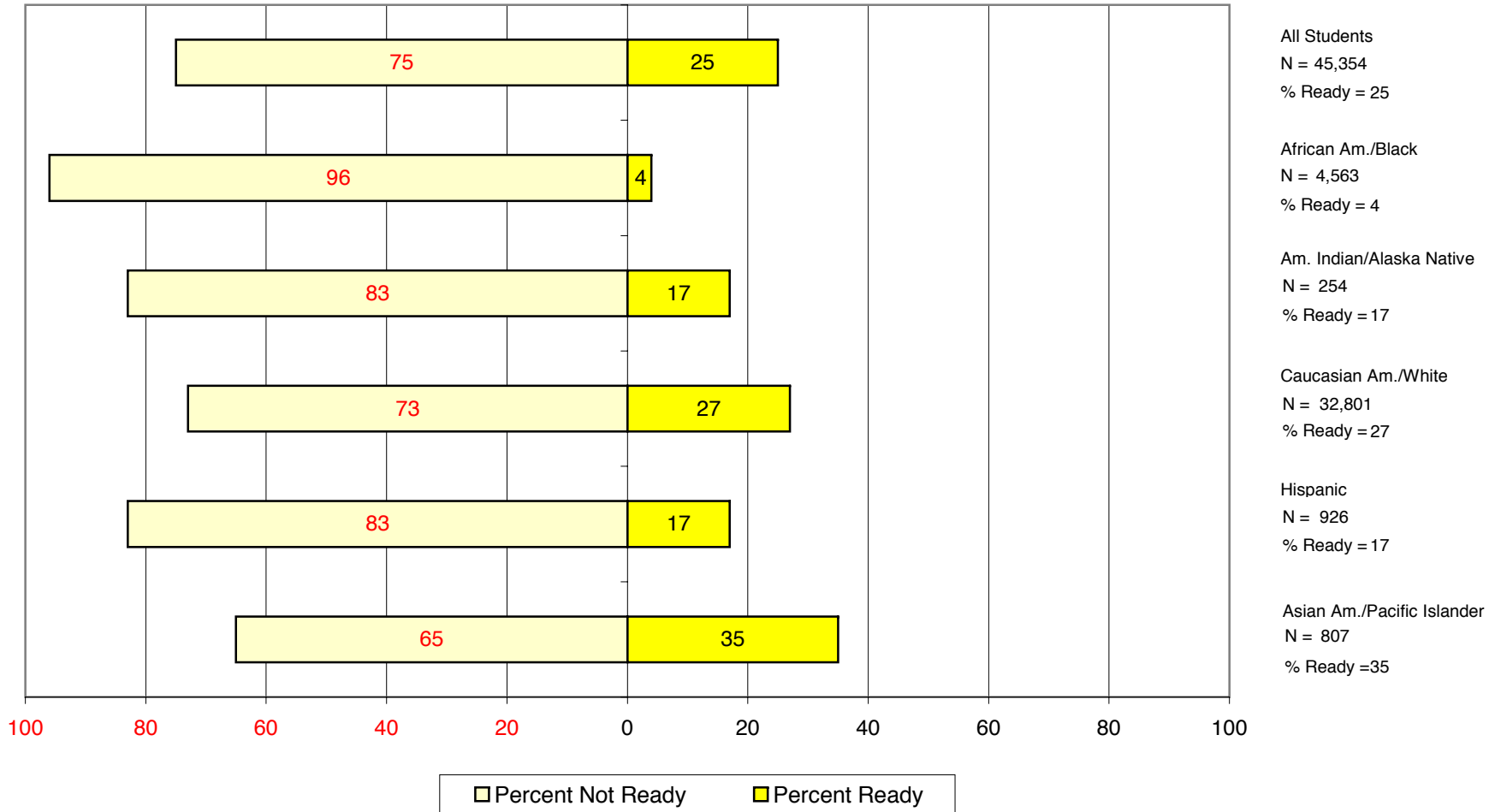


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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 <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,346	21	23.0	3.3	3,308	17	22.8	3.4	5,837	25	23.1	3.3
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,770	48	21.6	1.9	9,792	50	21.5	2.1	11,407	48	21.7	1.9
Less than 4 years of English	6,287	14	19.7	-	2,923	15	19.4	-	3,127	13	19.8	-
No English course/grade information reported	7,951	18	20.8	-	3,510	18	20.1	-	3,256	14	20.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	2,248	5	25.0	7.1	1,067	5	25.9	7.7	1,119	5	24.0	6.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,586	10	22.4	4.5	1,725	9	23.2	5.0	2,775	12	21.9	4.4
Alg 1, Alg 2, Geom, & Trig	3,270	7	20.5	2.6	1,380	7	21.3	3.1	1,801	8	19.8	2.3
Alg 1, Alg 2, Geom, & Other Adv Math	5,992	13	20.3	2.4	2,172	11	21.1	2.9	3,662	15	19.9	2.4
Other comb of 4 or more years of Math	8,111	18	24.6	6.7	3,930	20	25.5	7.3	4,022	17	23.7	6.2
Alg 1, Alg 2, & Geom (Min. Core)	6,602	15	18.0	0.1	2,774	14	18.6	0.4	3,635	15	17.6	0.1
Other comb of 3 or 3.5 years of Math	1,425	3	21.1	3.2	685	4	21.6	3.4	702	3	20.6	3.1
Less than 3 years of Math	4,931	11	17.9	-	2,183	11	18.2	-	2,537	11	17.5	-
No Math course/grade information reported	8,189	18	20.5	-	3,617	19	20.8	-	3,374	14	19.5	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	2,031	4	22.8	1.3	1,032	5	22.5	0.7	940	4	23.2	2.0
Other comb of 4 or more years Social Science	14,653	32	22.8	1.3	5,724	29	22.8	1.0	8,626	37	22.8	1.6
US Hist, World Hist, & Am Gov (Min. Core)	4,584	10	21.2	-0.3	2,212	11	21.2	-0.6	2,245	10	21.2	0.0
Other comb of 3 or 3.5 years of Social Science	11,475	25	22.0	0.5	4,779	24	22.0	0.2	6,393	27	22.0	0.8
Less than 3 years of Social Science	4,359	10	21.5	-	2,127	11	21.8	-	2,046	9	21.2	-
No Soc Sci course/grade information reported	8,252	18	21.4	-	3,659	19	21.0	-	3,377	14	21.2	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	9,978	22	23.2	3.3	4,706	24	23.9	3.7	5,045	21	22.6	3.0
Bio, Chem, Phys	2,438	5	24.6	4.7	1,315	7	25.4	5.2	1,056	4	23.5	3.9
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	12,780	28	21.2	1.3	4,633	24	21.5	1.3	7,831	33	21.0	1.4
Other comb of 3 years of Natural Science	1,348	3	21.7	1.8	742	4	22.7	2.5	581	2	20.6	1.0
Less than 3 years of Natural Science	10,443	23	19.9	-	4,420	23	20.2	-	5,688	24	19.6	-
No Nat Sci course/grade information reported	8,367	18	20.9	-	3,717	19	21.0	-	3,426	15	20.2	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to a less than core course sequence.

<sup>2</sup>Includes General, Physical and Earth Sciences.

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	9,346	21	23.0	83	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,770	48	21.6	75	766,001	59	20.5	68
Less than 4 years of English	6,287	14	19.7	62	141,777	11	19.7	64
No English course/grade information reported	7,951	18	20.8	68	201,619	16	20.7	69
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,248	5	25.0	75	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,586	10	22.4	57	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	3,270	7	20.5	40	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	5,992	13	20.3	37	163,562	13	20.4	38
Other comb of 4 or more years of Math	8,111	18	24.6	71	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	6,602	15	18.0	14	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	1,425	3	21.1	43	57,945	4	20.9	43
Less than 3 years of Math	4,931	11	17.9	17	145,617	11	18.3	21
No Math course/grade information reported	8,189	18	20.5	40	211,787	16	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	2,031	4	22.8	60	31,985	2	22.7	61
Other comb of 4 or more years Social Science	14,653	32	22.8	62	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	4,584	10	21.2	49	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	11,475	25	22.0	56	333,689	26	21.4	52
Less than 3 years of Social Science	4,359	10	21.5	52	201,605	16	20.6	47
No Soc Sci course/grade information reported	8,252	18	21.4	52	212,012	16	21.5	53
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	9,978	22	23.2	46	333,648	26	22.4	40
Bio, Chem, Phys	2,438	5	24.6	56	115,297	9	23.4	48
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	12,780	28	21.2	27	353,348	27	20.2	20
Other comb of 3 years of Natural Science	1,348	3	21.7	33	32,593	3	20.4	24
Less than 3 years of Natural Science	10,443	23	19.9	17	247,312	19	19.1	15
No Nat Sci course/grade information reported	8,367	18	20.9	29	218,401	17	20.9	29

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



# Section IV

## Career and Educational Aspirations

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	626	1	19.7	88	4	17.2	500	2	20.4
Architecture & Environmental Design	718	2	21.3	40	2	17.6	636	2	21.7
Business & Management	3,381	7	20.9	205	9	17.0	3,034	9	21.2
Business & Office	166	0	20.0	28	1	17.1	128	0	20.7
Marketing & Distribution	340	1	20.8	16	1	19.1	302	1	21.1
Communications & Comm. Technologies	1,103	2	21.8	60	3	17.4	986	3	22.2
Community & Personal Services	867	2	19.2	107	4	17.0	700	2	19.7
Computer & Information Sciences	835	2	22.4	78	3	18.3	714	2	22.9
Cross-Disciplinary Studies	40	0	24.6	1	0	25.0	38	0	24.4
Education	1,667	4	21.3	41	2	18.1	1,544	5	21.5
Teacher Education	1,123	2	20.6	29	1	18.0	1,034	3	20.8
Engineering	1,312	3	23.4	60	3	16.0	1,192	4	24.0
Engineering-Related Technologies	772	2	22.8	77	3	18.5	673	2	23.3
Foreign Languages	168	0	24.4	6	0	17.8	154	0	24.7
Health Sciences & Allied Health Fields	6,171	14	21.0	438	18	17.4	5,477	17	21.4
Human, Family & Consumer Science	448	1	19.0	77	3	17.4	336	1	19.5
Letters	201	0	24.2	8	0	18.8	183	1	24.6
Mathematics	140	0	25.6	3	0	23.7	133	0	25.9
Philosophy, Religion & Theology	242	1	22.7	6	0	19.8	220	1	22.8
Sciences (Biological & Physical)	1,394	3	24.4	14	1	18.9	1,337	4	24.5
Social Sciences	2,194	5	22.4	27	1	16.9	2,101	6	22.6
Trade & Industrial	436	1	18.5	242	10	17.7	174	1	19.9
Visual & Performing Arts	2,179	5	21.5	144	6	17.2	1,877	6	21.9
Undecided	5,797	13	21.4	374	16	17.6	4,949	15	21.8
No Response	13,034	29	22.0	226	9	17.3	4,155	13	22.6

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

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

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African-Am./ Black		Am. Indian/ 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	528	17.3	71	14.8	9	15.4	376	18.1	14	15.9	9	16.7	49	16.2
2-yr College Degree	1,867	17.5	232	14.6	9	15.3	1,391	18.2	53	16.0	24	15.8	158	16.7
Bachelors Degree	15,026	20.8	1,360	16.8	87	19.8	11,960	21.3	277	19.1	169	20.9	1,173	20.4
Graduate Study	7,142	23.3	619	18.4	43	21.6	5,605	23.9	146	22.2	123	23.3	606	23.3
Prof. Level Degree	10,409	22.9	1,393	18.4	69	22.2	7,420	23.7	257	21.2	313	24.8	957	23.0
Other	1,270	18.4	248	15.5	8	17.3	817	19.5	34	16.2	15	16.5	148	18.7
No Response	9,112	21.9	640	17.0	29	20.8	5,232	22.7	145	21.1	154	23.4	2,912	21.4

**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
UNIV OF MISSOURI-COLUMBIA	Missouri	10,577	4,171	6,406	1	3	18	33	28	16	1
MISSOURI STATE UNIVERSITY	Missouri	8,656	2,841	5,815	0	4	24	37	24	10	0
UNIVERSITY OF CENTRAL MISSOURI	Missouri	4,700	1,676	3,024	1	8	31	36	18	5	0
SOUTHEAST MISSOURI STATE UNIVERSITY	Missouri	3,865	1,302	2,563	1	8	31	34	19	6	0
UNIV OF MISSOURI-KANSAS CITY	Missouri	3,517	888	2,629	1	7	21	33	25	12	1
TRUMAN STATE UNIVERSITY	Missouri	3,190	842	2,348	0	2	11	28	32	24	3
NORTHWEST MISSOURI ST UNIV	Missouri	3,061	1,100	1,961	1	7	31	35	19	6	0
SAINT LOUIS UNIVERSITY	Missouri	2,652	576	2,076	2	6	18	28	27	17	2
UNIVERSITY OF MISSOURI-ST LOUIS	Missouri	2,524	481	2,043	1	8	26	34	22	7	0
UNIV OF MISSOURI-ROLLA	Missouri	2,274	912	1,362	0	3	13	26	32	23	4
WASHINGTON UNIVERSITY IN ST LOUIS	Missouri	1,901	425	1,476	2	5	12	19	24	30	8
LINDENWOOD UNIVERSITY	Missouri	1,856	504	1,352	1	9	31	35	18	6	0
MISSOURI WESTERN STATE UNIVERSITY	Missouri	1,708	637	1,071	2	16	38	29	12	4	0
DRURY UNIVERSITY	Missouri	1,651	421	1,230	0	5	21	32	27	13	1
MISSOURI SOUTHERN STATE UNIV	Missouri	1,568	534	1,034	1	8	34	33	17	7	0
UNIVERSITY OF KANSAS	Kansas	1,354	349	1,005	1	4	16	33	29	16	1
OZARKS TECHNICAL COMMUNITY COLLEGE	Missouri	1,296	457	839	1	12	39	34	12	3	0
WEBSTER UNIVERSITY	Missouri	1,125	284	841	1	7	24	33	23	10	1
COLLEGE OF THE OZARKS	Missouri	1,100	506	594	1	6	34	37	16	6	0
SAINT LOUIS COMM COLL-MERAMEC	Missouri	1,013	328	685	4	13	37	32	12	3	0
COLUMBIA COLLEGE	Missouri	995	270	725	1	8	33	36	17	4	0
WILLIAM JEWELL COLLEGE	Missouri	970	179	791	0	5	23	34	25	12	2
MARYVILLE UNIV OF SAINT LOUIS	Missouri	969	249	720	1	8	26	39	20	6	0
LINCOLN UNIVERSITY	Missouri	955	284	671	8	29	36	19	6	1	0
SOUTHWEST BAPTIST UNIVERSITY	Missouri	913	265	648	0	5	25	34	22	12	0
LONGVIEW COMMUNITY COLLEGE	Missouri	889	307	582	2	15	36	30	13	4	0
ST CHARLES COMMUNITY COLLEGE	Missouri	868	352	516	1	12	38	34	13	3	0
ROCKHURST UNIVERSITY	Missouri	822	167	655	1	7	17	32	28	14	1
JEFFERSON COLLEGE	Missouri	706	339	367	1	11	37	33	14	3	0
KANSAS STATE UNIVERSITY	Kansas	692	177	515	0	6	20	29	26	17	1
All Other Institutions		46,009	12,572	33,437	2	11	26	28	19	12	2
<b>Total</b>		<b>114,376</b>	<b>34,395</b>	<b>79,981</b>	<b>2</b>	<b>8</b>	<b>25</b>	<b>31</b>	<b>21</b>	<b>12</b>	<b>2</b>

# Section V

## Optional Writing Test Results

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
			State	National	State	National	State	National
<b>All Students</b>	<b>7,485</b>	<b>532,943</b>	<b>25.1</b>	<b>22.3</b>	<b>7.8</b>	<b>7.6</b>	<b>24.1</b>	<b>21.8</b>
African Am./Black	789	50,340	19.3	17.2	7.1	6.7	19.2	17.3
Am. Indian/Alaska Native	34	3,462	23.4	19.8	7.9	7.0	22.9	19.4
Caucasian Am./White	5,024	308,578	25.9	23.4	7.8	7.6	24.7	22.6
Hispanic	160	42,588	22.5	18.8	7.5	7.3	21.9	19.0
Asian Am./Pacific Islander	274	25,616	26.7	23.2	8.3	8.0	25.7	22.8
Other/No Response	1,204	102,359	26.0	23.2	8.0	7.8	24.9	22.7
Males	3,036	204,427	25.0	22.0	7.5	7.3	23.8	21.3
Females	3,965	285,556	25.1	22.5	8.0	7.7	24.2	22.1
Missing	484	42,960	26.1	23.0	8.1	7.8	25.1	22.6



