

# ACT High School Profile Report

The Graduating Class of 2008  
Kansas





# ACT High School Profile Report

The Graduating Class of 2008

Kansas

Section I: Executive Summary	P. 5
Section II: Academic Achievement	P. 9
Section III: College Readiness & the Impact of Course Rigor	P. 15
Section IV: Career and Educational Aspirations	P. 23
Section V: Optional Writing Test Results	P. 27



This report provides information about the performance of your 2008 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2008 and tested under standard time conditions.

This report focuses on :

**Performance** - student test performance in the context of college readiness

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

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

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

**Awareness** - extent to which student aspirations match performance

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

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

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

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

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

**The ACT:**

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

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

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

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

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

26% of 2008 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT.** 23,687 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. 69% 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 9% of the cohort took less than three years of math courses. Of these students, 15% were college ready. 17% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 19% of these students were college ready. In comparison, 61% 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 15% of the cohort took less than three years of natural science courses. 16% 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 38% 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).

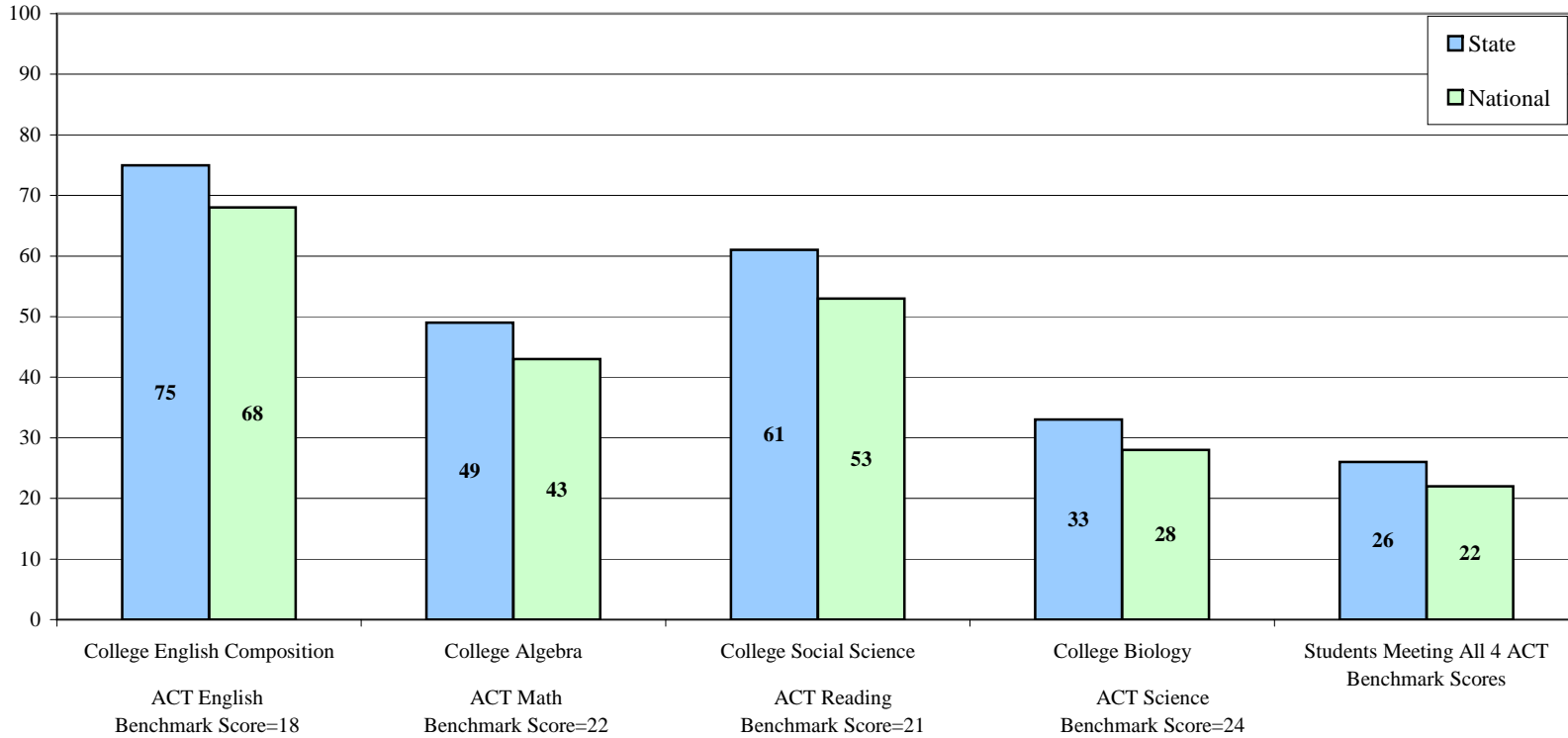
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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 916-631-9200.

# Section I

## Executive Summary

**Figure 1.1. Percent of ACT-Tested Students Ready for College-Level Coursework**



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



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

Grad Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2004	23,472	1,171,460	73	68	46	40	57	52	30	26	24	21
2005	23,106	1,186,251	74	68	46	41	58	51	31	26	25	21
2006	23,056	1,206,455	74	69	47	42	59	53	32	27	25	21
2007	23,196	1,300,599	75	69	48	43	59	53	32	28	26	23
<b>2008</b>	<b>23,687</b>	<b>1,421,941</b>	<b>75</b>	<b>68</b>	<b>49</b>	<b>43</b>	<b>61</b>	<b>53</b>	<b>33</b>	<b>28</b>	<b>26</b>	<b>22</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
2004	23,472	1,171,460	21.1	20.4	21.4	20.7	22.0	21.3	21.5	20.9	21.6	20.9
2005	23,106	1,186,251	21.2	20.4	21.4	20.7	22.1	21.3	21.6	20.9	21.7	20.9
2006	23,056	1,206,455	21.3	20.6	21.5	20.8	22.3	21.4	21.6	20.9	21.8	21.1
2007	23,196	1,300,599	21.4	20.7	21.6	21.0	22.4	21.5	21.7	21.0	21.9	21.2
<b>2008</b>	<b>23,687</b>	<b>1,421,941</b>	<b>21.5</b>	<b>20.6</b>	<b>21.8</b>	<b>21.0</b>	<b>22.6</b>	<b>21.4</b>	<b>21.8</b>	<b>20.8</b>	<b>22.0</b>	<b>21.1</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
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
<b>2008</b>	<b>1,421,941</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.8</b>	<b>21.1</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
2004	15,518	6,576	66	28	22.1	18.9	22.4	19.2	22.9	20.2	22.3	19.8	22.5	19.6
2005	15,220	6,476	66	28	22.2	19.0	22.4	19.4	22.9	20.2	22.4	20.0	22.6	19.8
2006	14,423	6,848	63	30	22.3	19.2	22.5	19.6	23.2	20.5	22.4	20.1	22.7	20.0
2007	13,384	6,970	58	30	22.4	19.6	22.6	19.8	23.2	20.8	22.5	20.2	22.8	20.3
<b>2008</b>	<b>16,413</b>	<b>5,987</b>	<b>69</b>	<b>25</b>	<b>22.3</b>	<b>19.3</b>	<b>22.5</b>	<b>19.8</b>	<b>23.3</b>	<b>20.8</b>	<b>22.4</b>	<b>20.1</b>	<b>22.8</b>	<b>20.1</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**

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>23,472</b>	<b>100</b>	<b>21.6</b>	<b>23,106</b>	<b>100</b>	<b>21.7</b>	<b>23,056</b>	<b>100</b>	<b>21.8</b>	<b>23,196</b>	<b>100</b>	<b>21.9</b>	<b>23,687</b>	<b>100</b>	<b>22.0</b>
African American/Black	1,038	4	17.6	1,053	5	17.4	1,055	5	17.4	1,122	5	17.7	1,124	5	17.9
American Indian/Alaska Native	265	1	20.5	233	1	20.2	231	1	20.3	244	1	20.4	258	1	20.2
Caucasian American/White	19,035	81	22.0	18,736	81	22.1	18,149	79	22.2	17,403	75	22.3	18,590	78	22.5
Hispanic	905	4	19.4	957	4	19.1	979	4	19.3	1,108	5	19.3	1,258	5	19.4
Asian American/Pacific Islander	573	2	22.0	515	2	21.6	608	3	22.0	531	2	22.2	576	2	22.6
Other/No Response	1,656	7	21.1	1,612	7	21.6	2,034	9	21.6	2,788	12	22.0	1,881	8	22.3

# 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	42	100	48	100	188	100	47	100	7	100	36
35	322	100	114	100	236	99	96	100	51	100	35
34	336	98	151	99	351	98	139	99	103	100	34
33	285	97	300	99	505	97	225	99	197	99	33
32	316	96	245	97	547	95	158	98	329	98	32
31	447	95	248	96	735	92	217	97	387	97	31
30	534	93	449	95	1,017	89	405	96	554	95	30
29	749	90	664	93	840	85	452	95	667	93	29
28	683	87	905	91	937	81	614	93	855	90	28
27	780	84	1,152	87	928	77	752	90	1,053	87	27
26	969	81	1,378	82	961	73	973	87	1,242	82	26
25	1,356	77	1,534	76	1,188	69	1,981	83	1,428	77	25
24	1,300	71	1,631	70	1,288	64	1,848	74	1,661	71	24
23	1,415	66	1,534	63	1,838	59	1,808	67	1,817	64	23
22	1,760	60	1,271	56	1,304	51	2,478	59	1,981	56	22
21	2,135	52	1,567	51	1,571	46	1,955	49	2,206	48	21
20	1,774	43	1,295	44	1,639	39	2,594	40	1,828	39	20
19	1,359	36	1,626	39	1,602	32	2,016	29	1,737	31	19
18	1,193	30	1,860	32	966	25	1,380	21	1,521	24	18
17	1,210	25	1,894	24	1,181	21	869	15	1,284	17	17
16	1,047	20	2,012	16	1,117	16	841	11	985	12	16
15	1,123	16	1,139	8	810	12	530	8	766	8	15
14	724	11	468	3	755	8	431	6	515	4	14
13	513	8	138	1	526	5	294	4	328	2	13
12	364	6	39	1	326	3	275	2	122	1	12
11	385	4	14	1	175	1	150	1	46	1	11
10	271	2	7	1	95	1	107	1	12	1	10
9	161	1	2	1	25	1	39	1	3	1	9
8	88	1	1	1	19	1	9	1	2	1	8
7	31	1	1	1	11	1	4	1	0	1	7
6	8	1	0	1	2	1	0	1	0	1	6
5	3	1	0	1	4	1	0	1	0	1	5
4	4	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.5 (5.8)		21.8 (4.9)		22.6 (5.8)		21.8 (4.5)		22.0 (4.7)		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	872	100	185	100	785	100	749	100	1,111	100	142	100	146	100	18
17	914	96	617	99	1,149	97	1,293	97	1,126	95	329	99	97	99	17
16	1,216	92	1,264	97	1,380	92	2,200	91	1,423	91	433	98	949	99	16
15	1,108	87	1,900	91	1,732	86	1,912	82	1,433	85	872	96	1,044	95	15
14	1,269	83	1,612	83	1,557	79	2,061	74	2,069	78	2,403	93	2,430	91	14
13	1,852	77	2,101	76	2,328	72	1,198	65	2,280	70	2,279	82	2,161	80	13
12	1,899	69	3,282	68	2,162	62	2,398	60	2,273	60	2,625	73	3,049	71	12
11	2,474	61	2,795	54	2,575	53	2,792	50	2,417	51	3,593	62	2,617	58	11
10	2,889	51	3,420	42	2,576	42	2,151	38	2,521	40	4,267	46	3,988	47	10
9	2,355	39	2,049	27	2,398	31	1,789	29	1,771	30	2,907	28	2,725	30	9
8	2,081	29	1,945	19	2,469	21	1,645	22	2,569	22	1,866	16	1,761	19	8
7	1,579	20	1,162	11	1,121	11	1,172	15	1,747	11	694	8	1,221	11	7
6	1,353	13	582	6	804	6	1,065	10	665	4	597	5	596	6	6
5	928	8	381	3	304	3	801	5	181	1	408	3	410	4	5
4	588	4	274	2	201	1	322	2	63	1	147	1	211	2	4
3	228	1	101	1	100	1	97	1	26	1	88	1	211	1	3
2	78	1	13	1	35	1	42	1	11	1	18	1	36	1	2
1	4	1	4	1	11	1	0	1	1	1	19	1	35	1	1
Avg (SD)	10.7 (3.7)		11.2 (3.0)		11.4 (3.4)		11.6 (3.6)		11.6 (3.3)		10.9 (2.6)		10.8 (2.9)		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	27	25	25
Q2 (50th Percentile)	21	21	22	22	22
Q1 (25th Percentile)	17	18	18	19	19

**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>23,687</b>	<b>69</b>	<b>22.8</b>	<b>20.1</b>
	African Am./Black	1,124	63	19.1	16.0
	Am. Indian/Alaska Native	258	60	21.1	18.8
	Caucasian Am./White	18,590	71	23.1	20.6
	Hispanic	1,258	67	20.4	17.6
	Asian Am./Pacific Islander	576	78	22.9	21.3
	Other/No Response	1,881	62	22.9	20.2
National	<b>All Students</b>	<b>1,421,941</b>	<b>61</b>	<b>22.0</b>	<b>19.5</b>
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	21.5	21.8	22.6	21.8	22.0
	African Am./Black	16.8	17.9	18.2	18.2	17.9
	Am. Indian/Alaska Native	19.2	19.8	20.8	20.4	20.2
	Caucasian Am./White	22.0	22.1	23.0	22.1	22.5
	Hispanic	18.3	19.4	19.9	19.6	19.4
	Asian Am./Pacific Islander	21.8	23.3	22.6	22.3	22.6
	Other/No Response	21.8	22.1	22.8	21.8	22.3
National	<b>All Students</b>	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

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

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	985	4	613	3	1,280	5	507	2
	28 to 32	2,729	12	2,511	11	4,076	17	1,846	8
	24 to 27	4,405	19	5,695	24	4,365	18	5,554	23
	20 to 23	7,084	30	5,667	24	6,352	27	8,835	37
	16 to 19	4,809	20	7,392	31	4,866	21	5,106	22
	13 to 15	2,360	10	1,745	7	2,091	9	1,255	5
	01 to 12	1,315	6	64	0	657	3	584	2
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	10,967	46	21.0	22.4	22.5	22.3	22.2
	Females	12,321	52	21.9	21.2	22.6	21.3	21.9
	Missing	399	2	22.3	22.5	23.3	22.1	22.7
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	72	55	60	38	30
	Females	77	44	62	29	23
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

**Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>2</sup>	N	English		Mathematics		Reading		Science		Composite <sup>1</sup>	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	16,413	81	22.3	56	22.5	66	23.3	38	22.4	31	22.8
	Non-Core	5,987	60	19.3	32	19.8	48	20.8	21	20.1	15	20.1
	Missing	1,287	69	20.9	47	21.4	57	22.1	30	21.3	25	21.5
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

<sup>1</sup>% under Composite heading reflects the percent of students who meet all four benchmarks

<sup>2</sup>"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

**Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core	21,263	76	21.6	20,554	52	22.2	20,367	62	22.7	19,061	37	22.2
	Non-Core	1,383	68	20.1	1,952	15	17.7	2,216	54	21.7	3,459	16	19.3
	Missing	1,041	73	21.5	1,181	47	21.5	1,104	60	22.5	1,167	32	21.6
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

<sup>1</sup>"Curriculum Taken" reflects content-specific curriculum.

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



# Section III

## College Readiness and the Impact of Course Rigor

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

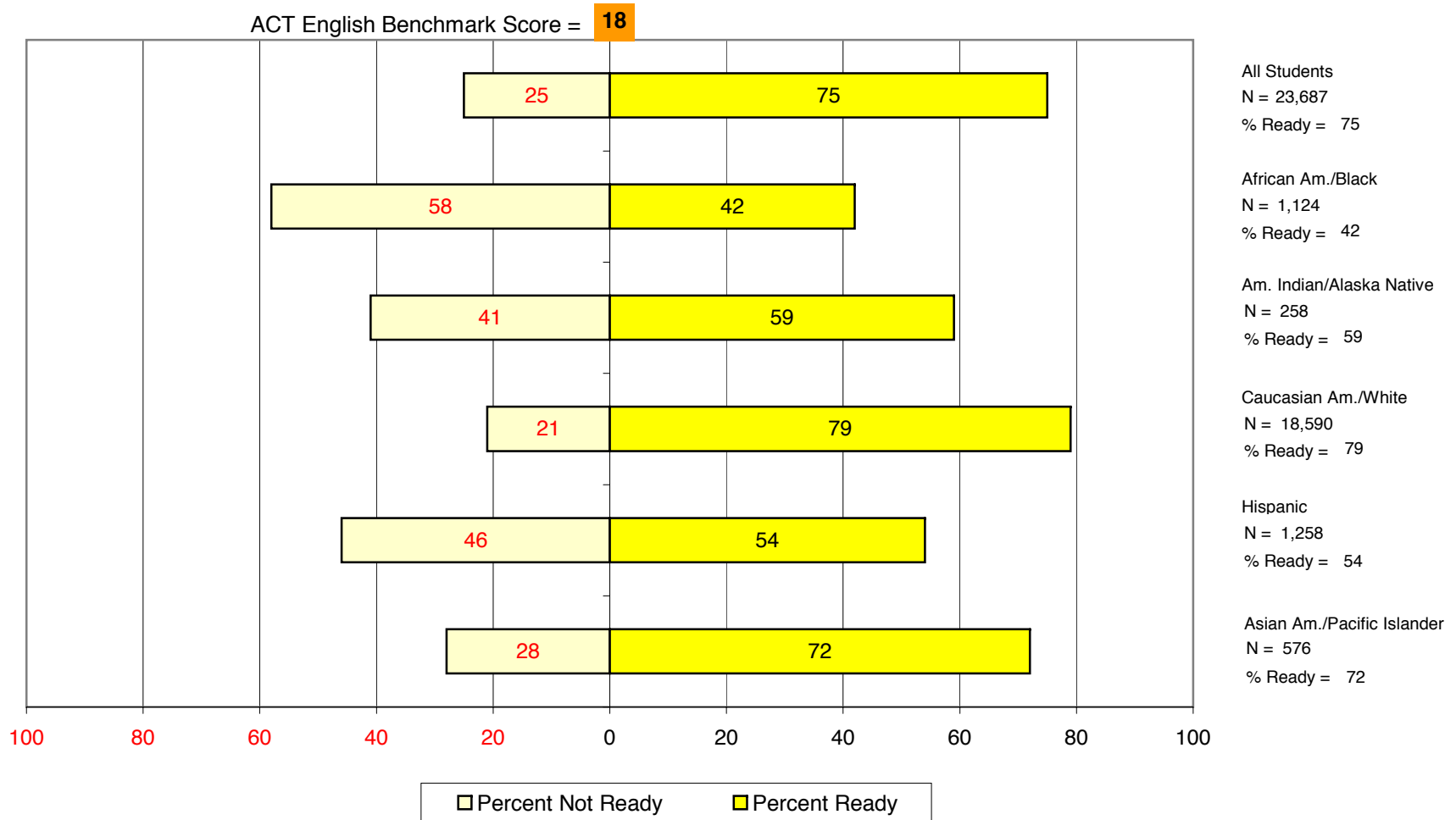


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

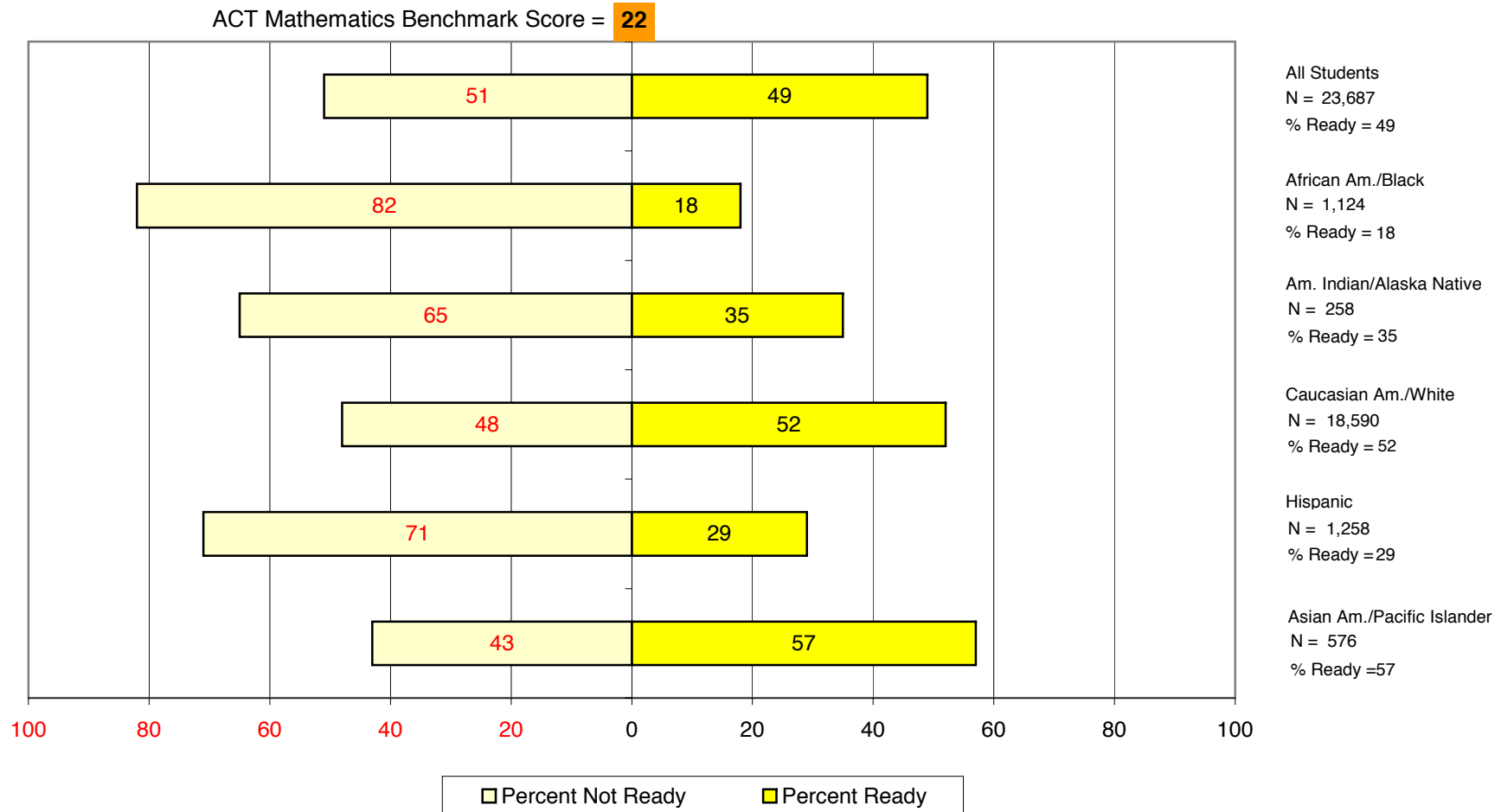


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

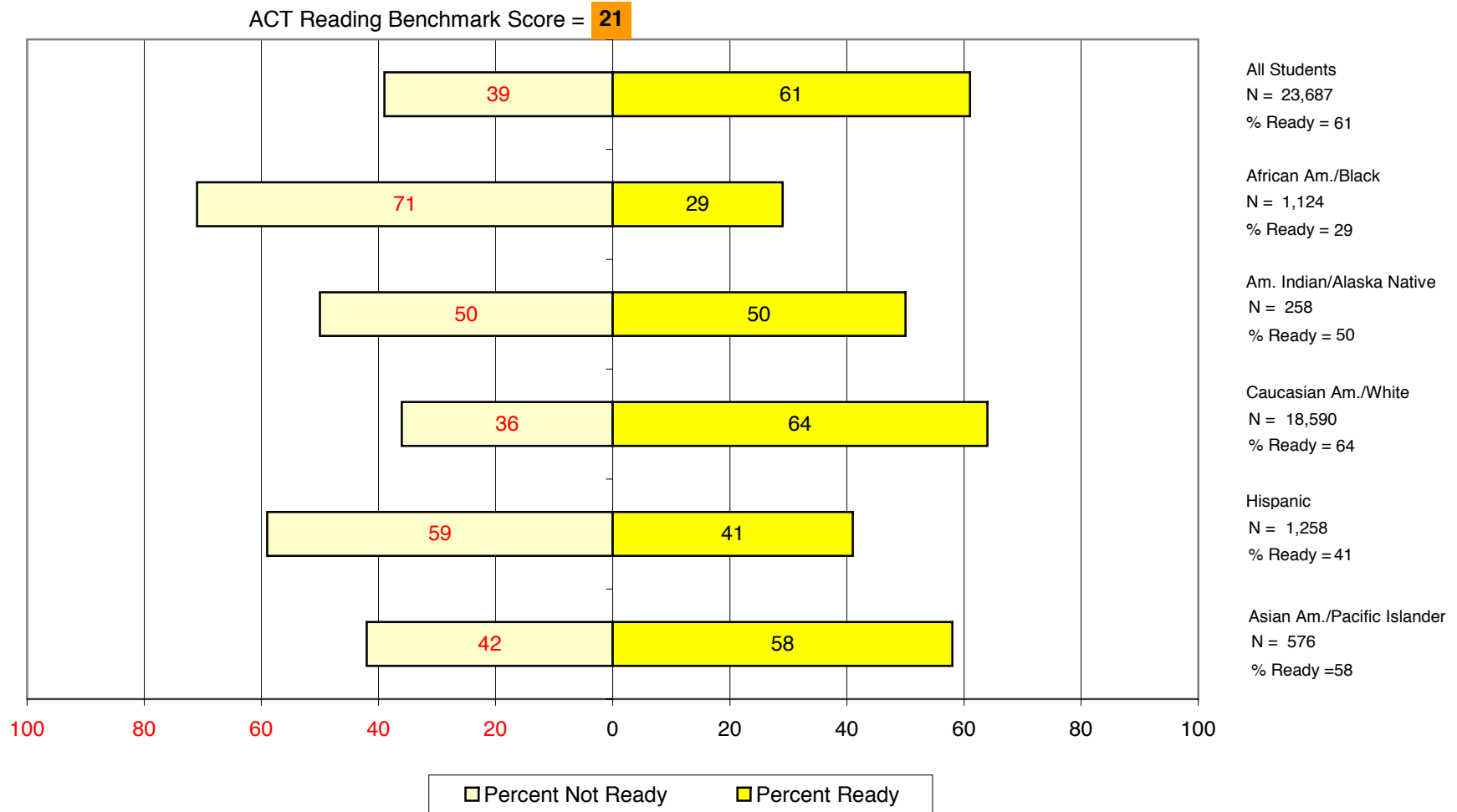


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

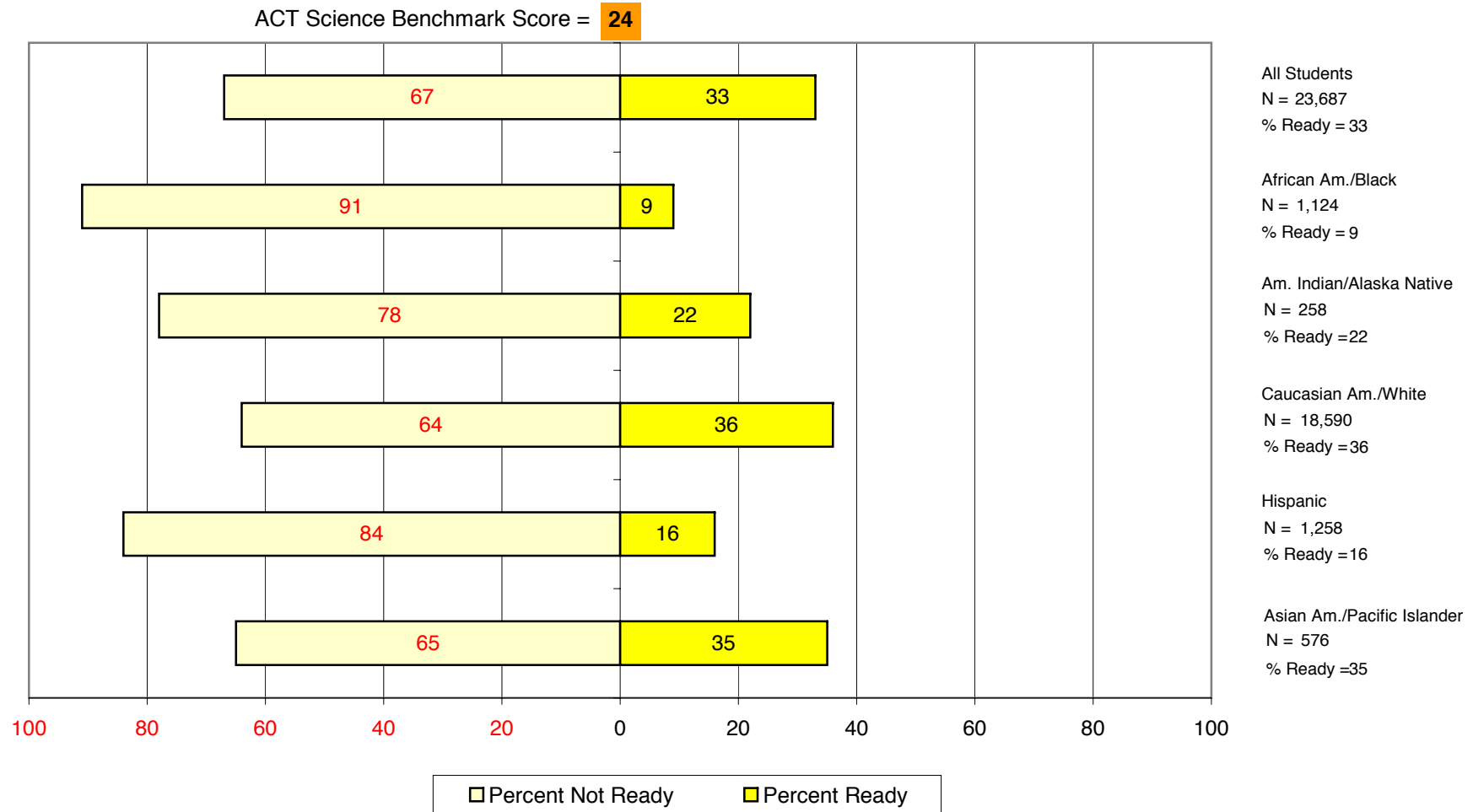
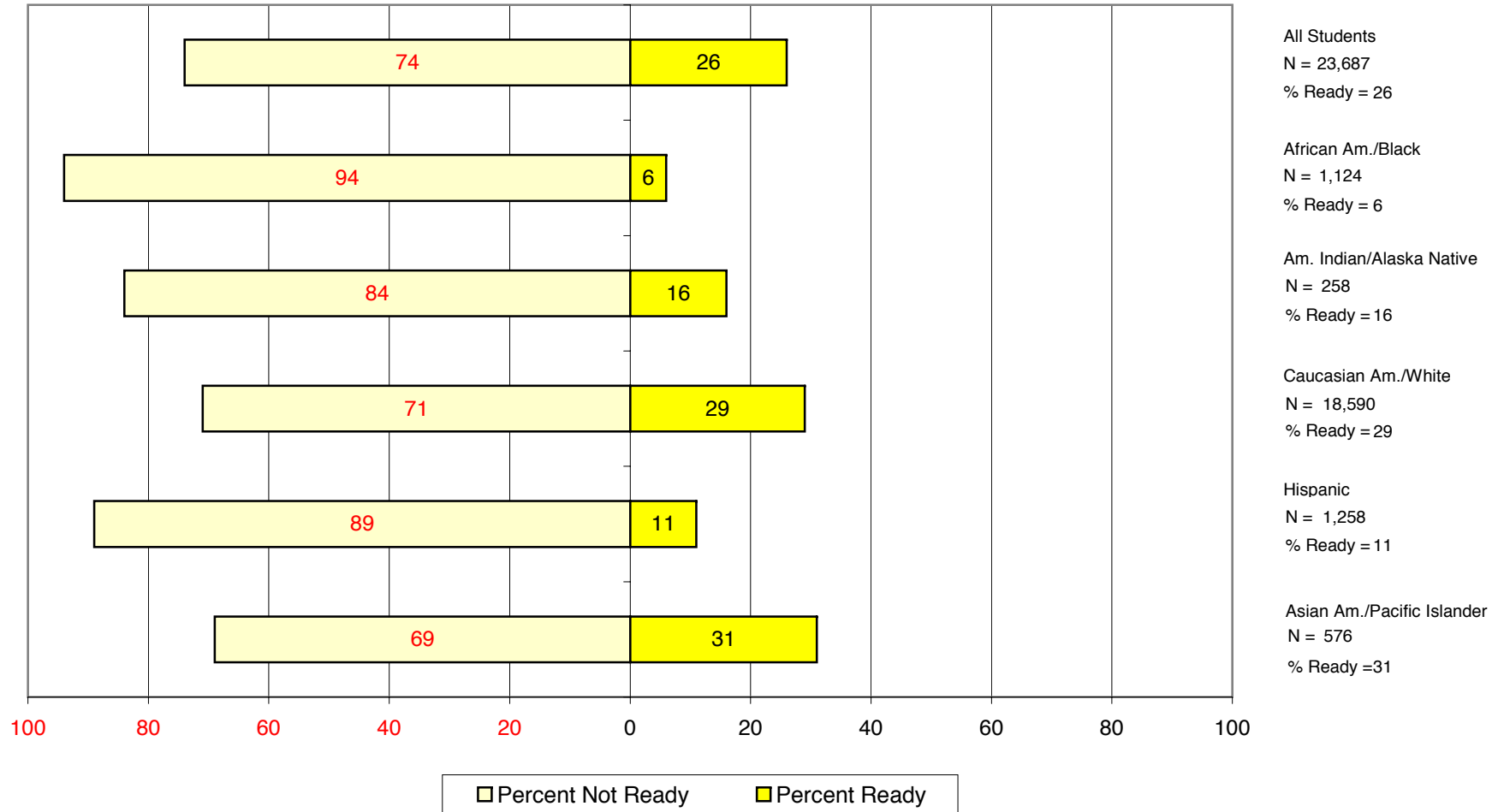


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <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	5,390	23	22.4	2.3	2,225	20	22.1	2.9	3,114	25	22.6	1.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	15,873	67	21.3	1.2	7,571	69	20.9	1.7	8,135	66	21.7	0.9
Less than 4 years of English	1,396	6	20.1	-	672	6	19.2	-	673	5	20.8	-
No English course/grade information reported	1,028	4	21.5	-	499	5	20.9	-	399	3	21.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,553	7	25.6	7.9	779	7	26.2	8.2	754	6	24.9	7.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,150	9	23.0	5.3	857	8	23.7	5.7	1,273	10	22.5	5.2
Alg 1, Alg 2, Geom, & Trig	1,559	7	21.4	3.7	671	6	22.1	4.1	870	7	20.8	3.5
Alg 1, Alg 2, Geom, & Other Adv Math	3,528	15	21.0	3.3	1,377	13	21.7	3.7	2,109	17	20.6	3.3
Other comb of 4 or more years of Math	6,551	28	24.4	6.7	3,316	30	25.1	7.1	3,167	26	23.7	6.4
Alg 1, Alg 2, & Geom (Min. Core)	4,065	17	18.6	0.9	1,885	17	19.1	1.1	2,124	17	18.1	0.8
Other comb of 3 or 3.5 years of Math	1,148	5	20.6	2.9	565	5	20.9	2.9	567	5	20.3	3.0
Less than 3 years of Math	2,043	9	17.7	-	983	9	18.0	-	1,031	8	17.3	-
No Math course/grade information reported	1,090	5	21.8	-	534	5	22.1	-	426	3	21.0	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,016	4	23.0	1.3	516	5	22.7	1.4	492	4	23.2	1.1
Other comb of 4 or more years Social Science	8,581	36	22.9	1.2	3,889	35	22.9	1.6	4,615	37	22.8	0.7
US Hist, World Hist, & Am Gov (Min. Core)	3,178	13	21.8	0.1	1,612	15	21.6	0.3	1,537	12	21.9	-0.2
Other comb of 3 or 3.5 years of Social Science	7,592	32	22.8	1.1	3,329	30	22.8	1.5	4,168	34	22.8	0.7
Less than 3 years of Social Science	2,235	9	21.7	-	1,098	10	21.3	-	1,078	9	22.1	-
No Soc Sci course/grade information reported	1,085	5	22.5	-	523	5	22.5	-	431	3	22.2	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	8,901	38	23.0	3.6	4,249	39	23.8	4.3	4,567	37	22.3	3.1
Bio, Chem, Phys	2,352	10	24.6	5.2	1,114	10	25.3	5.8	1,204	10	24.0	4.8
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	7,163	30	20.6	1.2	3,005	27	20.9	1.4	4,069	33	20.3	1.1
Other comb of 3 years of Natural Science	645	3	21.3	1.9	388	4	21.8	2.3	248	2	20.6	1.4
Less than 3 years of Natural Science	3,525	15	19.4	-	1,675	15	19.5	-	1,801	15	19.2	-
No Nat Sci course/grade information reported	1,101	5	21.7	-	536	5	22.1	-	432	4	21.0	-

<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	5,390	23	22.4	81	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	15,873	67	21.3	74	949,721	67	20.5	68
Less than 4 years of English	1,396	6	20.1	67	112,496	8	18.8	56
No English course/grade information reported	1,028	4	21.5	74	93,330	7	20.2	64
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,553	7	25.6	81	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,150	9	23.0	63	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	1,559	7	21.4	47	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	3,528	15	21.0	44	204,909	14	20.4	38
Other comb of 4 or more years of Math	6,551	28	24.4	72	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	4,065	17	18.6	19	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	1,148	5	20.6	39	70,951	5	20.8	41
Less than 3 years of Math	2,043	9	17.7	15	131,252	9	17.4	14
No Math course/grade information reported	1,090	5	21.8	50	98,554	7	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,016	4	23.0	62	42,546	3	22.7	61
Other comb of 4 or more years Social Science	8,581	36	22.9	64	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	3,178	13	21.8	55	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	7,592	32	22.8	62	404,731	28	21.3	52
Less than 3 years of Social Science	2,235	9	21.7	55	185,561	13	20.4	45
No Soc Sci course/grade information reported	1,085	5	22.5	60	98,548	7	21.1	50
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	8,901	38	23.0	44	453,654	32	22.2	38
Bio, Chem, Phys	2,352	10	24.6	59	134,033	9	23.2	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	7,163	30	20.6	22	435,183	31	20.1	20
Other comb of 3 years of Natural Science	645	3	21.3	27	40,179	3	20.1	22
Less than 3 years of Natural Science	3,525	15	19.4	16	259,142	18	18.7	13
No Nat Sci course/grade information reported	1,101	5	21.7	33	99,750	7	20.6	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	480	2	20.5	76	6	18.1	382	2	21.0
Architecture & Environmental Design	511	2	22.3	17	1	16.9	470	2	22.6
Business & Management	2,156	9	21.7	82	7	17.9	1,945	10	21.9
Business & Office	164	1	20.2	19	2	18.6	134	1	20.4
Marketing & Distribution	174	1	20.4	5	0	16.4	162	1	20.6
Communications & Comm. Technologies	632	3	22.6	17	1	18.3	587	3	22.8
Community & Personal Services	499	2	19.5	80	6	17.6	394	2	19.9
Computer & Information Sciences	483	2	22.7	49	4	19.3	406	2	23.2
Cross-Disciplinary Studies	27	0	24.9	1	0	19.0	26	0	25.1
Education	1,126	5	21.4	30	2	17.4	1,042	5	21.6
Teacher Education	743	3	20.5	28	2	17.0	681	3	20.7
Engineering	1,012	4	24.5	29	2	18.2	943	5	24.7
Engineering-Related Technologies	541	2	22.7	44	4	17.7	471	2	23.2
Foreign Languages	112	0	24.8	3	0	19.0	103	1	25.1
Health Sciences & Allied Health Fields	4,096	17	21.9	222	18	18.0	3,700	19	22.1
Human, Family & Consumer Science	236	1	20.2	29	2	18.8	189	1	20.5
Letters	131	1	24.7	5	0	16.8	121	1	25.1
Mathematics	101	0	24.7	4	0	20.8	93	0	24.7
Philosophy, Religion & Theology	196	1	22.9	10	1	20.0	172	1	23.3
Sciences (Biological & Physical)	984	4	24.2	13	1	19.2	928	5	24.3
Social Sciences	1,224	5	22.8	14	1	18.8	1,174	6	22.9
Trade & Industrial	342	1	19.4	141	11	18.6	183	1	20.1
Visual & Performing Arts	1,389	6	22.3	71	6	19.4	1,222	6	22.6
Undecided	4,018	17	21.9	217	17	18.1	3,488	18	22.2
No Response	2,310	10	21.9	39	3	17.4	823	4	22.3

<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	272	18.4	5	16.2	3	17.7	226	18.7	21	15.8	1	19.0	16	18.5
2-yr College Degree	973	18.1	53	14.3	13	17.5	766	18.6	82	16.5	13	16.1	46	17.9
Bachelors Degree	10,092	21.1	401	17.4	109	19.2	8,331	21.5	503	19.0	155	19.9	593	20.8
Graduate Study	4,089	23.7	152	19.1	31	21.9	3,378	24.1	147	21.4	91	23.2	290	23.5
Prof. Level Degree	5,658	23.5	358	19.5	69	22.1	4,106	24.2	375	20.7	260	24.5	490	23.3
Other	549	19.6	40	15.8	11	20.5	399	20.0	33	18.2	13	19.7	53	19.5
No Response	2,054	22.0	115	15.9	22	18.5	1,384	22.4	97	17.8	43	22.6	393	23.3

**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 KANSAS	Kansas	8,334	3,349	4,985	0	3	16	35	29	15	2
KANSAS STATE UNIVERSITY	Kansas	7,981	3,163	4,818	1	4	18	35	27	13	2
WICHITA STATE UNIVERSITY	Kansas	4,422	1,360	3,062	1	6	24	35	23	11	1
PITTSBURG STATE UNIVERSITY	Kansas	2,624	783	1,841	0	7	26	38	21	7	0
EMPORIA STATE UNIVERSITY	Kansas	2,591	612	1,979	1	7	25	37	22	8	0
FORT HAYS STATE UNIVERSITY	Kansas	2,028	627	1,401	1	6	26	37	22	7	0
WASHBURN UNIVERSITY	Kansas	1,967	555	1,412	0	5	25	37	23	9	1
JOHNSON COUNTY COMMUNITY COLLEGE	Kansas	1,888	565	1,323	1	8	27	37	21	5	0
BUTLER COMMUNITY COLLEGE	Kansas	1,659	591	1,068	2	13	32	36	13	3	0
HUTCHINSON COMMUNITY COLLEGE	Kansas	1,020	345	675	1	10	33	36	16	3	0
BAKER UNIVERSITY	Kansas	826	195	631	0	5	23	37	24	10	0
FRIENDS UNIVERSITY	Kansas	806	155	651	0	8	29	37	17	7	0
UNIV OF MISSOURI-KANSAS CITY	Missouri	667	149	518	1	6	23	33	21	14	1
COWLEY COUNTY COMMUNITY COLL	Kansas	578	157	421	2	12	35	35	13	2	0
KANSAS CITY KANSAS COMM COLL	Kansas	528	164	364	6	20	32	29	11	2	0
NEWMAN UNIVERSITY	Kansas	516	71	445	0	7	26	34	21	10	2
UNIV OF MISSOURI-COLUMBIA	Missouri	498	95	403	1	3	13	31	32	18	2
NCAA ELIGIBILITY CENTER	Indiana	484	197	287	0	4	20	34	29	12	0
OKLAHOMA STATE UNIVERSITY	Oklahoma	421	83	338	0	4	15	31	31	16	1
ALLEN COUNTY COMMUNITY COLLEGE	Kansas	416	156	260	2	13	34	36	13	3	0
BARTON COUNTY COMMUNITY COLLEGE	Kansas	395	149	246	1	12	36	34	14	3	0
UNIVERSITY OF NEBRASKA AT LINCOLN	Nebraska	380	89	291	1	3	9	27	33	24	3
CLOUD COUNTY COMMUNITY COLLEGE	Kansas	368	107	261	1	12	33	34	15	5	0
BENEDICTINE COLLEGE	Kansas	345	102	243	0	2	15	30	33	16	2
COLBY COMMUNITY COLLEGE	Kansas	321	135	186	1	17	38	30	12	2	0
HIGHLAND COMMUNITY COLLEGE	Kansas	320	101	219	2	12	32	35	16	5	0
FORT SCOTT COMMUNITY COLLEGE	Kansas	313	95	218	2	15	35	34	13	1	0
UNIVERSITY OF OKLAHOMA	Oklahoma	295	48	247	1	4	14	36	27	18	1
UNIV OF TEXAS AT AUSTIN	Texas	284	45	239	0	3	14	30	28	23	2
GARDEN CITY COMMUNITY COLLEGE	Kansas	280	91	189	2	16	40	30	10	3	0
All Other Institutions		19,583	4,653	14,930	1	7	19	28	24	18	3
<b>Total</b>		<b>63,138</b>	<b>18,987</b>	<b>44,151</b>	<b>1</b>	<b>6</b>	<b>22</b>	<b>33</b>	<b>24</b>	<b>13</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>4,323</b>	<b>770,529</b>	<b>24.6</b>	<b>21.4</b>	<b>7.7</b>	<b>7.3</b>	<b>23.6</b>	<b>20.9</b>
African Am./Black	178	86,049	20.2	16.6	7.3	6.5	20.0	16.6
Am. Indian/Alaska Native	44	5,148	21.9	18.9	7.5	6.7	21.4	18.5
Caucasian Am./White	3,205	464,177	24.9	22.5	7.7	7.4	23.8	21.8
Hispanic	197	71,060	21.3	18.3	7.2	7.1	20.7	18.5
Asian Am./Pacific Islander	184	37,359	26.0	23.1	8.2	7.9	25.1	22.6
Other/No Response	515	106,736	24.9	22.2	7.7	7.5	23.8	21.7
Males	1,826	327,613	24.4	20.9	7.4	7.0	23.2	20.2
Females	2,386	421,968	24.7	21.7	7.9	7.6	23.9	21.3
Missing	111	20,948	24.6	23.9	7.5	7.9	23.4	23.2



