

# ACT Profile Report - State

Graduating Class 2010  
Kentucky



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This report provides information about the performance of your 2010 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2010 and tested under standard time conditions.

This report focuses on:

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

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

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

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

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

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

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

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

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

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

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

**The ACT:**

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

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at [www.act.org/standard/infoserv.html](http://www.act.org/standard/infoserv.html).

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

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

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

## How to Improve Scores and Increase College Readiness

16% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT:** 45,763 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY:** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 64% 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 6% of the cohort took less than three years of math courses. Of these students, 5% were college ready. 27% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 7% of these students were college ready. In comparison, 39% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 14% of the cohort took less than three years of natural science courses. 7% of these students were college ready. In comparison, 23% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES:** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 64% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](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.

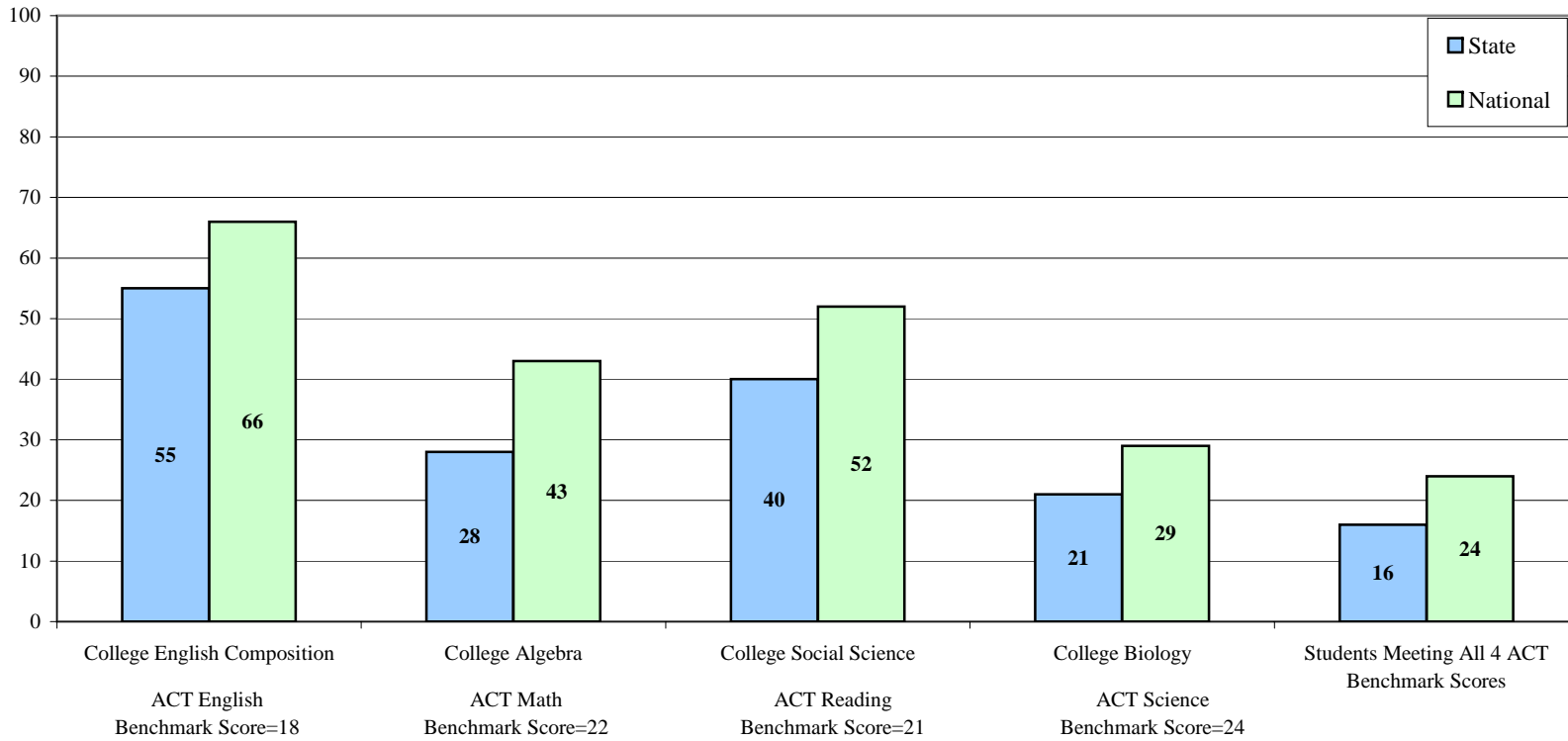
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

# Section I

## Executive Summary

Total Students in Report: 45,763

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



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



Total Students in Report: 45,763

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

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2006	29,786	1,206,455	67	69	34	42	50	53	23	27	18	21
2007	30,929	1,300,599	67	69	35	43	50	53	24	28	18	23
2008	31,728	1,421,941	68	68	35	43	53	53	25	28	19	22
2009	45,419	1,480,469	55	67	26	42	41	53	20	28	15	23
<b>2010</b>	<b>45,763</b>	<b>1,568,835</b>	<b>55</b>	<b>66</b>	<b>28</b>	<b>43</b>	<b>40</b>	<b>52</b>	<b>21</b>	<b>29</b>	<b>16</b>	<b>24</b>

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

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2006	29,786	1,206,455	20.2	20.6	19.9	20.8	21.1	21.4	20.5	20.9	20.6	21.1
2007	30,929	1,300,599	20.3	20.7	20.0	21.0	21.2	21.5	20.6	21.0	20.7	21.2
2008	31,728	1,421,941	20.5	20.6	20.2	21.0	21.5	21.4	20.7	20.8	20.9	21.1
2009	45,419	1,480,469	18.8	20.6	19.0	21.0	19.8	21.4	19.7	20.9	19.4	21.1
<b>2010</b>	<b>45,763</b>	<b>1,568,835</b>	<b>18.9</b>	<b>20.5</b>	<b>19.1</b>	<b>21.0</b>	<b>19.7</b>	<b>21.3</b>	<b>19.5</b>	<b>20.9</b>	<b>19.4</b>	<b>21.0</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
<b>2010</b>	<b>1,568,835</b>	<b>20.5</b>	<b>21.0</b>	<b>21.3</b>	<b>20.9</b>	<b>21.0</b>

Total Students in Report: 45,763

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More <sup>1</sup>	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	Core or More	Less than Core	Core or More	Less than Core
2006	17,705	10,207	59	34	21.1	18.7	20.6	18.8	21.8	19.8	21.1	19.6	21.3	19.3
2007	17,449	10,463	56	34	21.1	18.8	20.7	18.9	21.9	20.0	21.2	19.6	21.4	19.4
2008	20,486	10,081	65	32	21.4	18.8	20.8	18.9	22.3	20.1	21.3	19.6	21.6	19.5
2009	29,118	15,315	64	34	20.2	16.3	19.9	17.4	21.0	17.6	20.6	18.0	20.6	17.4
<b>2010</b>	<b>29,167</b>	<b>15,185</b>	<b>64</b>	<b>33</b>	<b>20.3</b>	<b>16.4</b>	<b>20.0</b>	<b>17.5</b>	<b>20.9</b>	<b>17.6</b>	<b>20.5</b>	<b>17.7</b>	<b>20.6</b>	<b>17.4</b>

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

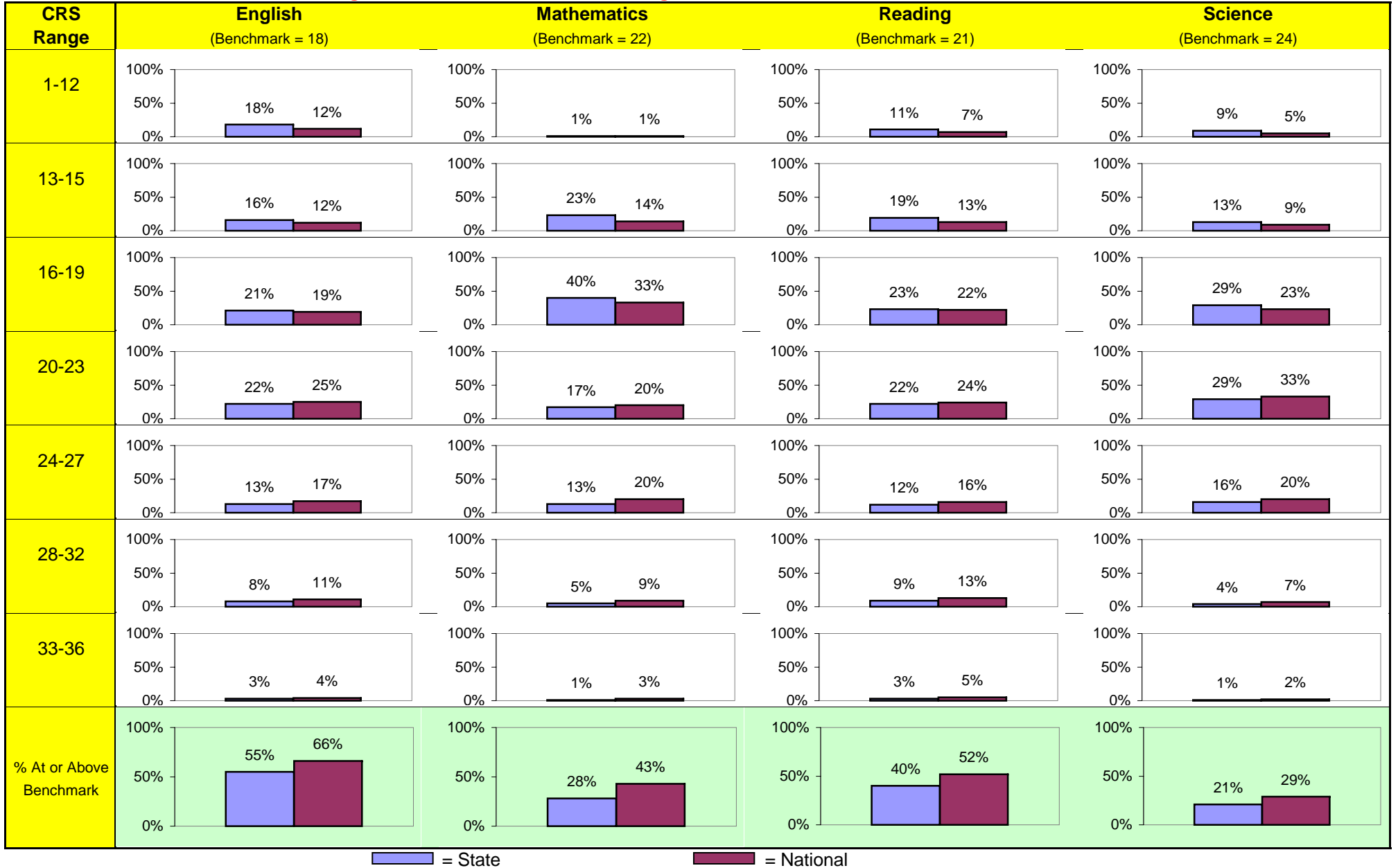
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>29,786</b>	<b>100</b>	<b>20.6</b>	<b>30,929</b>	<b>100</b>	<b>20.7</b>	<b>31,728</b>	<b>100</b>	<b>20.9</b>	<b>45,419</b>	<b>100</b>	<b>19.4</b>	<b>45,763</b>	<b>100</b>	<b>19.4</b>
African American/Black	2,248	8	17.1	2,358	8	17.0	2,496	8	17.3	3,774	8	16.3	4,051	9	16.4
American Indian/Alaska Native	83	0	19.4	92	0	19.5	99	0	19.3	691	2	15.9	178	0	17.2
Caucasian American/White	24,611	83	20.9	24,830	80	21.0	26,499	84	21.2	35,691	79	20.0	36,245	79	19.8
Hispanic	398	1	19.5	416	1	19.1	455	1	19.9	1,005	2	17.3	915	2	17.9
Asian American/Pacific Islander	381	1	22.3	426	1	21.8	402	1	22.3	566	1	21.3	549	1	22.7
Other/No Response	2,065	7	20.7	2,807	9	21.2	1,777	6	21.4	3,692	8	18.1	3,825	8	18.3

Total Students in Report: 45,763

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





# Section II

# Academic Achievement

Total Students in Report: 45,763

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	92	100	66	100	170	100	60	100	5	100	36
35	313	100	167	100	236	100	124	100	65	100	35
34	467	99	222	99	530	99	132	100	138	100	34
33	480	98	212	99	620	98	155	99	217	100	33
32	452	97	249	99	516	97	128	99	324	99	32
31	547	96	250	98	830	95	324	99	453	98	31
30	715	95	424	97	922	94	428	98	599	97	30
29	697	93	507	97	956	92	389	97	780	96	29
28	1,085	92	772	95	1,029	90	635	96	1,024	94	28
27	881	89	1,025	94	1,127	87	1,158	95	1,093	92	27
26	1,539	87	1,276	91	1,218	85	1,303	92	1,396	90	26
25	1,457	84	1,591	89	1,619	82	2,244	89	1,616	87	25
24	2,094	81	1,986	85	1,734	79	2,397	85	1,900	83	24
23	1,894	76	1,967	81	2,271	75	2,502	79	2,231	79	23
22	2,111	72	1,959	77	2,399	70	2,933	74	2,551	74	22
21	3,102	68	1,902	72	2,299	65	3,774	67	2,917	69	21
20	2,770	61	1,872	68	3,325	60	3,984	59	3,048	62	20
19	2,641	55	2,622	64	2,280	52	4,003	50	3,319	56	19
18	1,916	49	3,944	58	2,022	47	3,021	42	3,457	48	18
17	2,042	45	4,245	50	3,671	43	3,773	35	3,401	41	17
16	2,964	40	7,393	40	2,340	35	2,415	27	3,507	33	16
15	2,389	34	6,551	24	3,236	30	2,227	22	3,407	26	15
14	3,009	29	3,161	10	2,399	23	1,917	17	3,249	18	14
13	1,986	22	973	3	2,976	18	1,783	13	2,645	11	13
12	1,931	18	272	1	2,419	11	1,359	9	1,685	5	12
11	1,863	14	132	1	1,684	6	1,648	6	608	2	11
10	1,544	9	13	1	468	2	575	2	111	1	10
9	1,266	6	1	1	253	1	220	1	12	1	9
8	1,003	3	4	1	122	1	97	1	4	1	8
7	409	1	0	1	21	1	38	1	1	1	7
6	73	1	4	1	48	1	13	1	0	1	6
5	24	1	0	1	12	1	1	1	0	1	5
4	5	1	1	1	8	1	2	1	0	1	4
3	2	1	0	1	1	1	0	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
<b>Avg (SD)</b>	18.9 (6.4)		19.1 (4.7)		19.7 (6.1)		19.5 (5.0)		19.4 (5.0)		<b>Avg (SD)</b>

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

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

Total Students in Report: 45,763

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	1,249	100	393	100	695	100	845	100	957	100	245	100	221	100	18
17	1,093	97	211	99	1,222	98	2,275	98	1,242	98	285	99	131	100	17
16	1,102	95	2,044	99	1,906	96	2,256	93	1,504	95	693	99	561	99	16
15	2,103	92	2,170	94	1,975	92	2,732	88	1,684	92	795	97	1,312	98	15
14	1,690	88	2,281	89	1,893	87	1,139	82	1,862	88	2,390	96	2,314	95	14
13	2,433	84	2,956	84	2,694	83	3,089	80	2,126	84	2,656	90	2,422	90	13
12	2,034	79	4,483	78	3,596	77	3,271	73	3,089	80	3,304	85	2,963	85	12
11	3,775	74	4,604	68	3,199	69	4,006	66	4,302	73	6,503	77	5,370	78	11
10	4,405	66	4,946	58	5,321	62	3,687	57	3,710	63	6,020	63	5,476	67	10
9	4,845	57	4,574	47	5,291	51	3,494	49	3,474	55	7,827	50	8,955	55	9
8	3,810	46	4,335	37	6,465	39	5,739	41	6,547	48	5,442	33	6,483	35	8
7	4,245	38	4,095	28	4,306	25	3,190	29	8,799	33	4,443	21	4,005	21	7
6	3,970	28	3,301	19	3,043	16	3,587	22	4,320	14	2,376	11	1,360	12	6
5	3,505	20	2,846	12	2,157	9	2,495	14	1,364	5	701	6	2,382	9	5
4	2,784	12	1,766	6	1,192	4	2,797	9	547	2	1,344	5	403	4	4
3	2,138	6	641	2	610	2	761	3	62	1	559	2	1,002	3	3
2	551	1	105	1	154	1	388	1	157	1	49	1	198	1	2
1	31	1	12	1	44	1	12	1	17	1	131	1	205	1	1
Avg (SD)	9.2 (3.9)		9.8 (3.4)		9.9 (3.5)		9.9 (4.0)		9.7 (3.4)		9.7 (2.8)		9.5 (2.9)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	23	22	24	23	23
Q2 (50th Percentile)	19	18	19	19	19
Q1 (25th Percentile)	14	16	15	16	15

Total Students in Report: 45,763

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>45,763</b>	<b>64</b>	<b>20.6</b>	<b>17.4</b>
	African American/Black	4,051	52	17.5	15.4
	American Indian/Alaska Native	178	56	18.3	15.9
	Caucasian American/White	36,245	66	20.9	17.8
	Hispanic	915	57	19.4	16.1
	Asian American/Pacific Islander	549	73	23.9	19.7
	Other/No Response	3,825	57	19.6	16.8
National	<b>All Students</b>	<b>1,568,835</b>	<b>71</b>	<b>22.0</b>	<b>18.9</b>
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

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

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	<b>18.9</b>	<b>19.1</b>	<b>19.7</b>	<b>19.5</b>	<b>19.4</b>
	African American/Black	15.2	16.6	16.3	17.0	16.4
	American Indian/Alaska Native	16.2	17.2	17.6	17.5	17.2
	Caucasian American/White	19.4	19.4	20.2	19.9	19.8
	Hispanic	16.6	18.1	18.1	18.3	17.9
	Asian American/Pacific Islander	22.0	23.7	22.0	22.4	22.7
	Other/No Response	17.5	18.4	18.4	18.5	18.3
National	<b>All Students</b>	<b>20.5</b>	<b>21.0</b>	<b>21.3</b>	<b>20.9</b>	<b>21.0</b>
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6



Total Students in Report: 45,763

**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	1,352	3	667	1	1,556	3	471	1
	28 to 32	3,496	8	2,202	5	4,253	9	1,904	4
	24 to 27	5,971	13	5,878	13	5,698	12	7,102	16
	20 to 23	9,877	22	7,700	17	10,294	22	13,193	29
	16 to 19	9,563	21	18,204	40	10,313	23	13,212	29
	13 to 15	7,384	16	10,685	23	8,611	19	5,927	13
	01 to 12	8,120	18	427	1	5,038	11	3,954	9
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	22,271	49	18.2	19.3	19.1	19.6	19.2
	Females	23,326	51	19.5	18.8	20.2	19.4	19.6
	Missing	166	0	15.0	16.7	16.0	16.4	16.2
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	51	30	37	23	17
	Females	60	26	44	18	14
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 45,763

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	29,167	66	20.3	35	20.0	49	20.9	26	20.5	20	20.6
	Less than Core	15,185	38	16.4	15	17.5	26	17.6	11	17.7	8	17.4
	Missing <sup>3</sup>	1,411	24	14.4	9	16.5	17	15.9	6	16.3	3	15.9
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.

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

<sup>3</sup> Zero years or no coursework information reported in one or more content areas.

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

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

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	41,228	59	19.4	42,054	30	19.3	34,547	45	20.4	38,272	23	20.0
	Less than Core	3,436	23	14.3	2,527	5	15.8	9,982	27	17.7	6,237	7	16.9
	Missing <sup>3</sup>	1,099	26	14.6	1,182	10	16.5	1,234	18	16.0	1,254	7	16.5
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

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

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

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

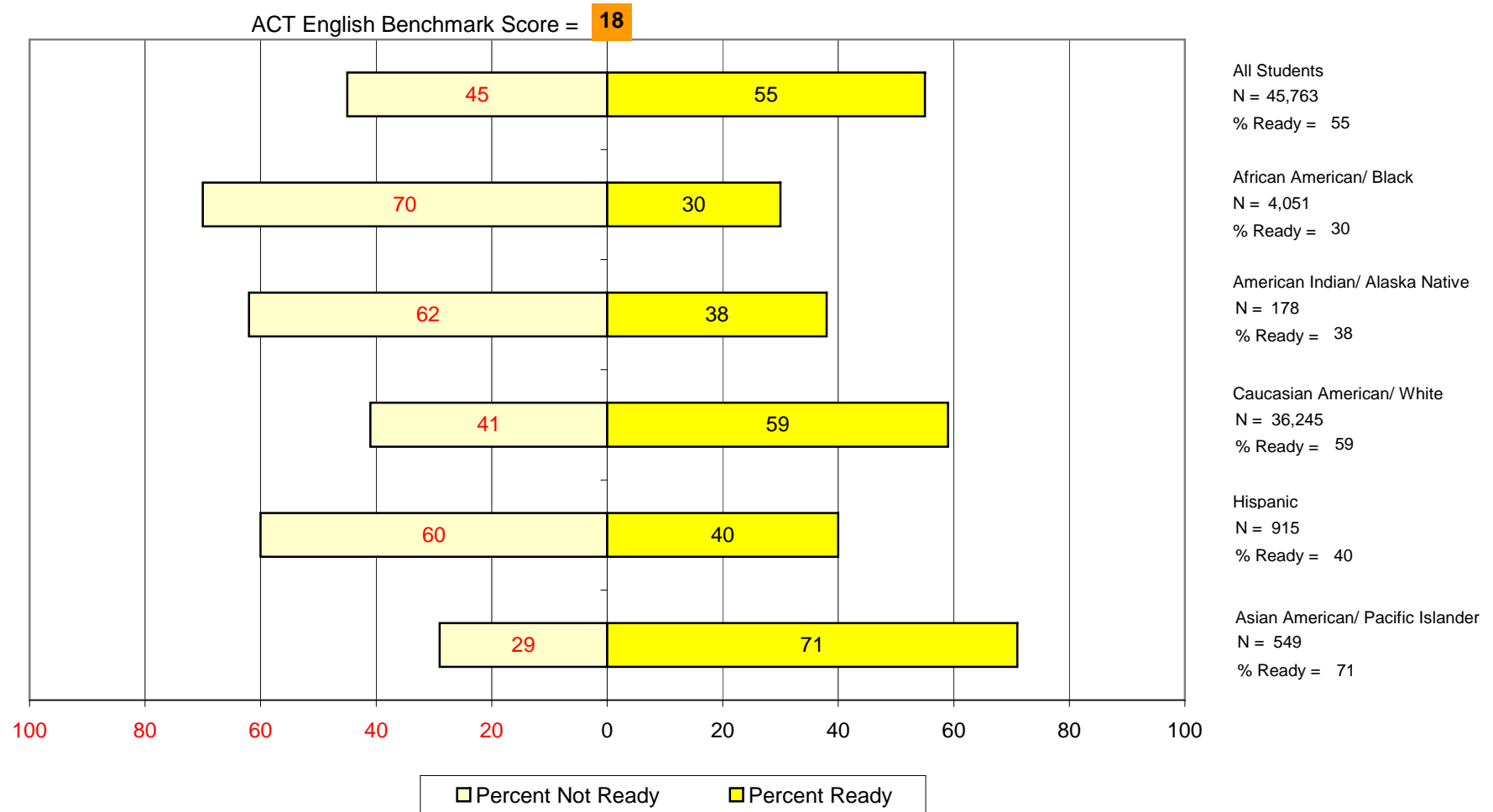
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

## College Readiness and the Impact of Course Rigor

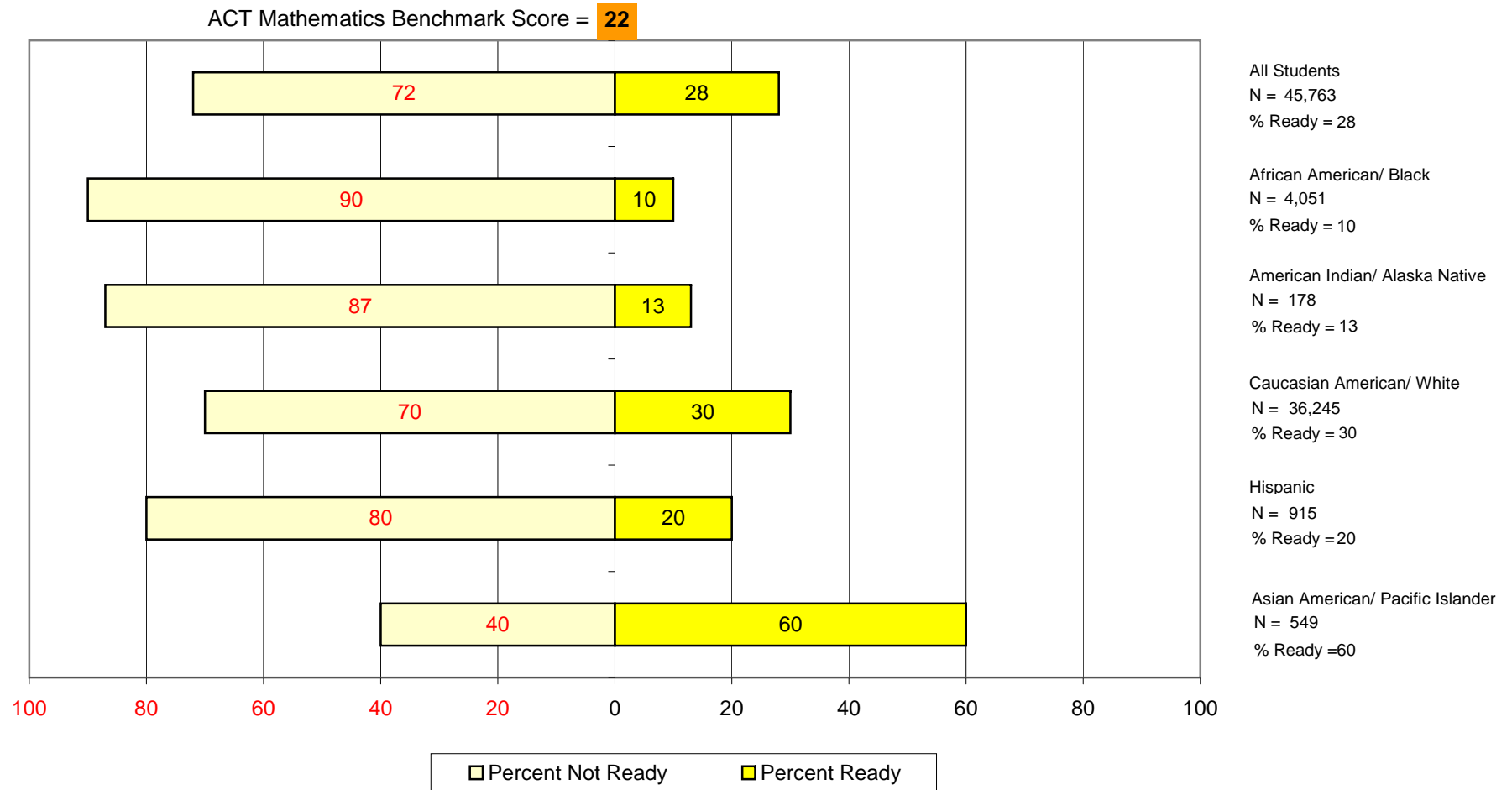
Total Students in Report: 45,763

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



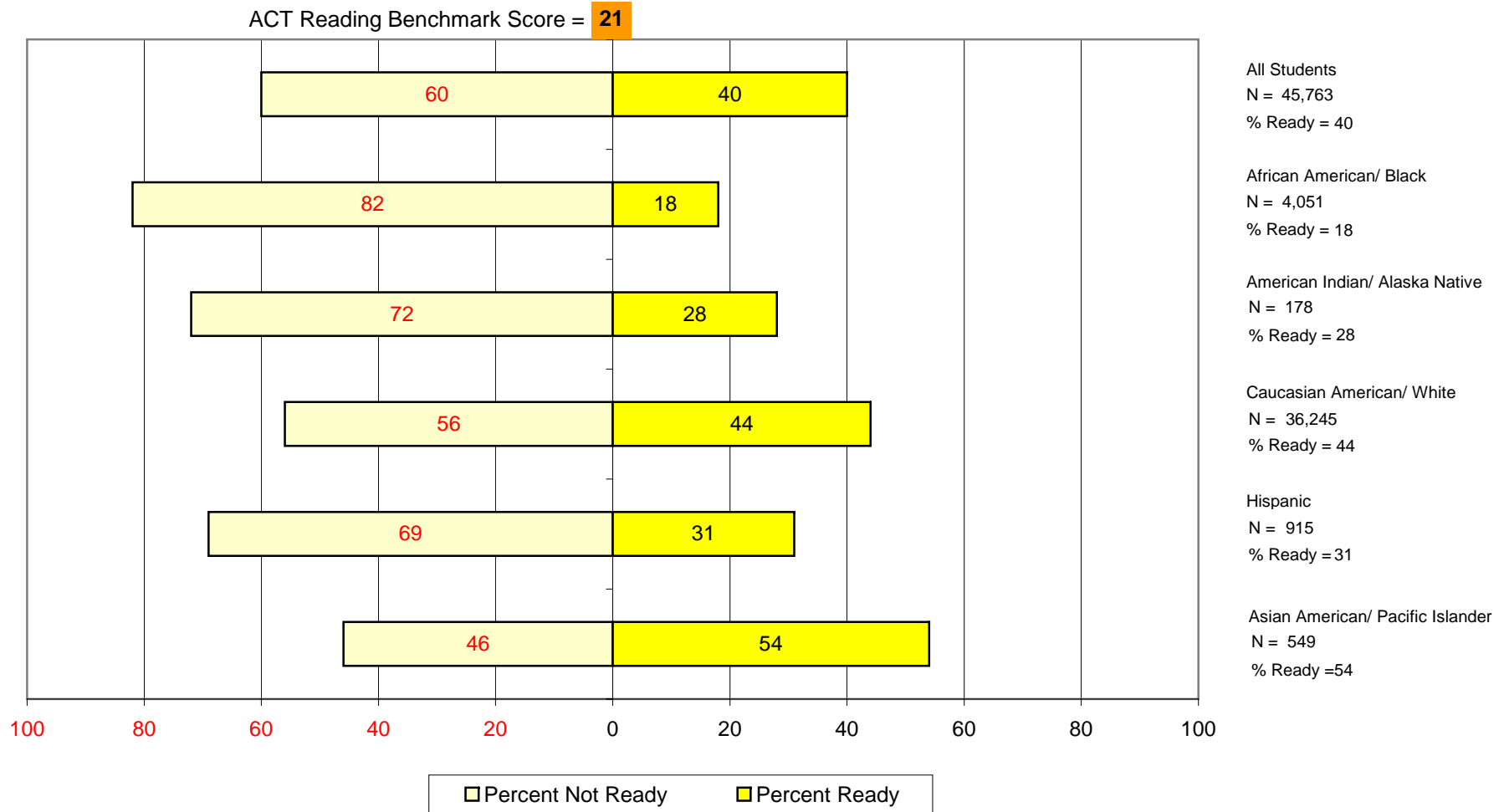
Total Students in Report: 45,763

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



Total Students in Report: 45,763

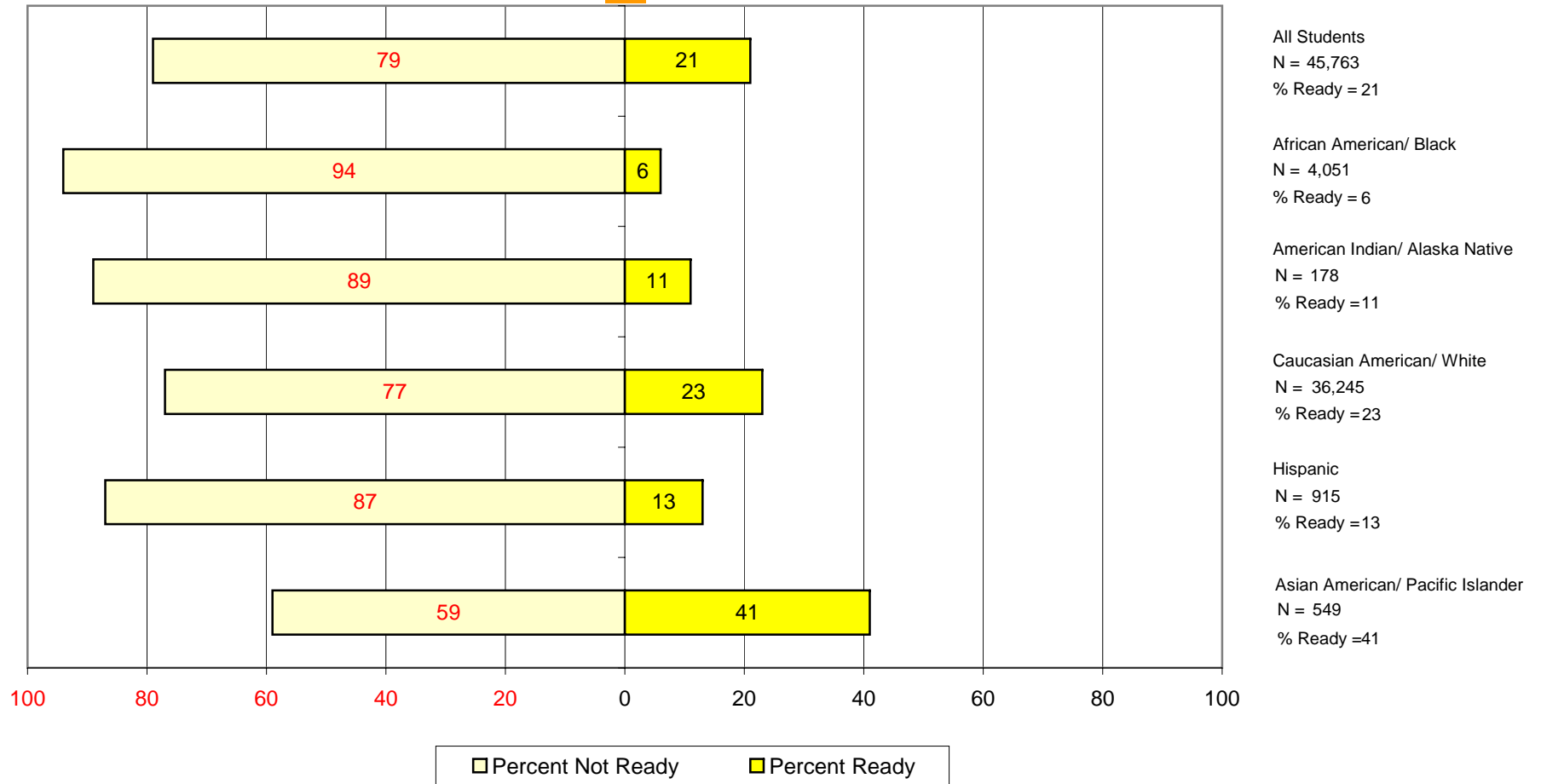
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING**



Total Students in Report: 45,763

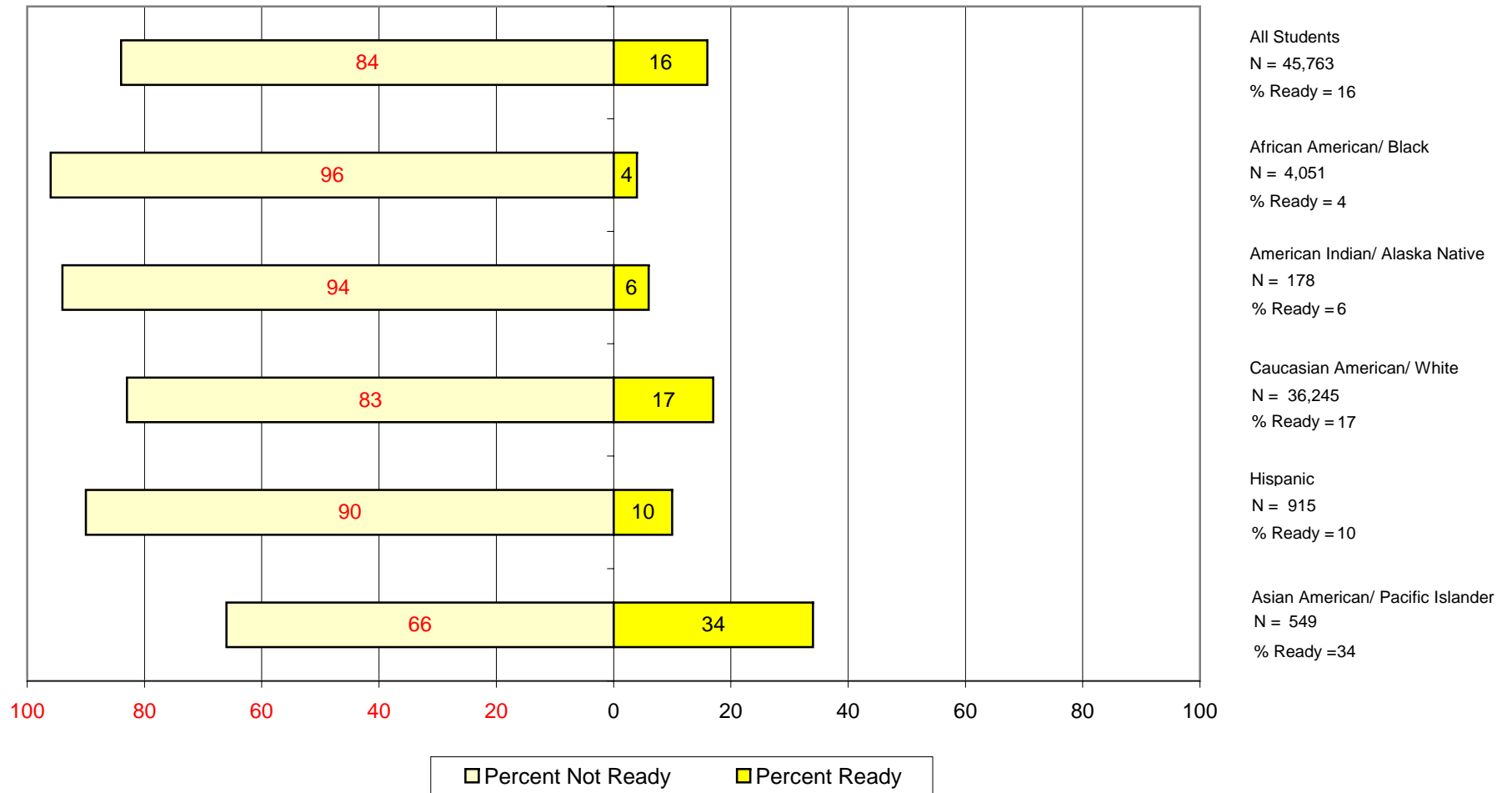
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 45,763

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





Total Students in Report: 45,763

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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <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	6,309	14	21.7	7.4	2,728	12	21.3	7.4	3,560	15	22.1	7.4
Eng 9, Eng 10, Eng 11, Eng 12	34,919	76	18.9	4.6	16,954	76	18.4	4.5	17,868	77	19.5	4.8
Less than 4 years of English	3,436	8	14.3	-	1,954	9	13.9	-	1,449	6	14.7	-
Zero years / no English courses reported	1,099	2	14.6	-	635	3	14.2	-	449	2	15.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,311	3	23.2	7.4	642	3	23.9	8.0	665	3	22.5	6.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,196	5	21.1	5.3	903	4	21.5	5.6	1,291	6	20.8	5.0
Alg 1, Alg 2, Geom, & Trig	1,950	4	18.6	2.8	941	4	18.9	3.0	997	4	18.3	2.5
Alg 1, Alg 2, Geom, & Other Adv Math	11,544	25	19.0	3.2	4,847	22	19.2	3.3	6,673	29	18.8	3.0
Other comb of 4 or more years of Math	10,115	22	22.8	7.0	5,122	23	23.5	7.6	4,977	21	22.2	6.4
Alg 1, Alg 2, & Geom	12,458	27	16.6	0.8	6,408	29	16.7	0.8	5,987	26	16.4	0.6
Other comb of 3 or 3.5 years of Math	2,480	5	17.8	2.0	1,295	6	18.2	2.3	1,177	5	17.4	1.6
Less than 3 years of Math	2,527	6	15.8	-	1,435	6	15.9	-	1,069	5	15.8	-
Zero years / no Math courses reported	1,182	3	16.5	-	678	3	16.6	-	490	2	16.4	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,061	2	21.3	3.6	539	2	20.9	3.7	519	2	21.7	3.4
Other comb of 4 or more years Social Science	14,655	32	21.0	3.3	6,917	31	20.8	3.6	7,700	33	21.3	3.0
US Hist, World Hist, & Am Gov	6,026	13	18.7	1.0	3,031	14	18.0	0.8	2,975	13	19.5	1.2
Other comb of 3 or 3.5 years of Social Science	12,805	28	20.3	2.6	5,838	26	19.8	2.6	6,926	30	20.7	2.4
Less than 3 years of Social Science	9,982	22	17.7	-	5,233	23	17.2	-	4,699	20	18.3	-
Zero years / no Social Science courses reported	1,234	3	16.0	-	713	3	15.6	-	507	2	16.6	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	13,376	29	20.9	4.0	6,998	31	21.4	4.5	6,338	27	20.3	3.4
Bio, Chem, Phys	2,654	6	22.0	5.1	1,191	5	22.5	5.6	1,458	6	21.6	4.7
Gen Sci <sup>2</sup> , Bio, Chem	20,822	45	19.3	2.4	9,286	42	19.3	2.4	11,478	49	19.4	2.5
Other comb of 3 years of Natural Science	1,420	3	18.3	1.4	787	4	18.7	1.8	628	3	17.9	1.0
Less than 3 years of Natural Science	6,237	14	16.9	-	3,282	15	16.9	-	2,914	12	16.9	-
Zero years / no Natural Science courses reported	1,254	3	16.5	-	727	3	16.5	-	510	2	16.4	-

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

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

Total Students in Report: 45,763

**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	6,309	14	21.7	73	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	34,919	76	18.9	56	1,096,437	70	20.5	66
Less than 4 years of English	3,436	8	14.3	23	74,180	5	16.4	39
Zero years / no English courses reported	1,099	2	14.6	26	43,106	3	15.7	34
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,311	3	23.2	63	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,196	5	21.1	47	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	1,950	4	18.6	23	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	11,544	25	19.0	25	239,289	15	20.0	36
Other comb of 4 or more years of Math	10,115	22	22.8	59	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	12,458	27	16.6	7	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	2,480	5	17.8	18	74,720	5	19.9	35
Less than 3 years of Math	2,527	6	15.8	5	97,949	6	16.4	7
Zero years / no Math courses reported	1,182	3	16.5	10	47,380	3	17.5	16
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,061	2	21.3	50	47,523	3	22.6	60
Other comb of 4 or more years Social Science	14,655	32	21.0	50	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	6,026	13	18.7	33	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	12,805	28	20.3	45	439,520	28	21.2	51
Less than 3 years of Social Science	9,982	22	17.7	27	156,679	10	19.5	39
Zero years / no Social Science courses reported	1,234	3	16.0	18	45,555	3	17.3	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	13,376	29	20.9	30	620,765	40	22.2	40
Bio, Chem, Phys	2,654	6	22.0	38	152,001	10	23.2	48
Gen Sci <sup>1</sup> , Bio, Chem	20,822	45	19.3	18	474,375	30	20.1	21
Other comb of 3 years of Natural Science	1,420	3	18.3	13	43,231	3	19.7	21
Less than 3 years of Natural Science	6,237	14	16.9	7	231,566	15	18.3	12
Zero years / no Natural Science courses reported	1,254	3	16.5	7	46,897	3	17.4	10

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

# Section IV

## Career and Educational Aspirations

Total Students in Report: 45,763

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <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	1,352	3	17.2	431	6	15.2	841	2	18.4
Architecture & Environmental Design	677	1	19.6	120	2	16.0	519	2	20.6
Business & Management	2,966	6	19.7	298	4	16.1	2,522	7	20.3
Business & Office	231	1	18.0	58	1	15.7	155	0	19.0
Marketing & Distribution	252	1	19.1	26	0	15.5	210	1	19.7
Communications & Comm. Technologies	999	2	20.7	104	1	16.0	849	3	21.4
Community & Personal Services	2,122	5	17.4	585	8	15.7	1,374	4	18.3
Computer & Information Sciences	1,086	2	20.2	229	3	17.2	799	2	21.2
Cross-Disciplinary Studies	31	0	21.2	1	0	14.0	27	0	21.6
Education	1,573	3	19.6	103	1	15.7	1,417	4	19.9
Teacher Education	1,514	3	19.8	81	1	15.4	1,383	4	20.1
Engineering	2,257	5	20.7	489	7	15.2	1,672	5	22.5
Engineering-Related Technologies	1,106	2	19.5	311	4	15.4	743	2	21.3
Foreign Languages	241	1	21.9	20	0	15.0	203	1	22.7
Health Sciences & Allied Health Fields	10,903	24	19.8	1,272	18	16.2	9,236	27	20.4
Human, Family & Consumer Science	904	2	17.4	265	4	15.7	564	2	18.2
Letters	296	1	23.2	19	0	18.4	263	1	23.8
Mathematics	205	0	23.5	9	0	15.7	188	1	23.9
Philosophy, Religion & Theology	250	1	21.5	20	0	17.0	219	1	22.0
Sciences (Biological & Physical)	1,695	4	22.7	52	1	16.5	1,567	5	23.1
Social Sciences	2,689	6	21.4	68	1	16.0	2,531	8	21.6
Trade & Industrial	1,246	3	16.1	899	12	15.7	288	1	17.6
Visual & Performing Arts	3,033	7	19.5	499	7	16.4	2,300	7	20.3
Undecided	4,734	10	19.8	765	11	15.6	3,455	10	21.0
No Response	3,401	7	15.2	510	7	13.9	421	1	15.4

<sup>1</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

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

Total Students in Report: 45,763

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/ Black		American Indian/ Alaska Native		Caucasian American/White		Hispanic		Asian American/ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	2,679	15.3	118	13.7	15	14.7	2,244	15.5	37	15.5	10	15.7	255	14.9
2-yr College Degree	4,555	15.9	388	14.0	19	14.9	3,575	16.2	103	14.8	20	15.6	450	15.4
Bachelors Degree	16,178	19.3	1,455	16.4	50	16.9	13,103	19.7	269	18.1	131	20.2	1,170	18.5
Graduate Study	5,802	22.2	444	17.9	20	18.9	4,761	22.7	96	20.6	83	23.7	398	20.9
Prof. Level Degree	11,766	21.6	1,120	17.8	48	19.1	9,116	22.1	263	20.0	248	25.4	971	20.7
Other	1,825	16.8	166	15.0	6	16.7	1,367	17.1	37	13.9	19	19.7	230	16.6
No Response	2,958	16.3	360	14.5	20	16.4	2,079	16.7	110	15.1	38	17.9	351	15.8

Total Students in Report: 45,763

**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 KENTUCKY	Kentucky	15,376	5,820	9,556	2	13	27	29	19	10	1
UNIVERSITY OF LOUISVILLE	Kentucky	10,966	3,499	7,467	4	15	28	27	16	9	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	9,937	3,078	6,859	3	17	31	28	15	6	0
EASTERN KENTUCKY UNIVERSITY	Kentucky	8,204	2,631	5,573	3	18	36	28	12	4	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	3,760	3,759	1	10	35	33	14	5	2	1
MOREHEAD STATE UNIVERSITY	Kentucky	3,701	1,163	2,538	3	18	34	27	13	4	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	3,510	1,311	2,199	2	13	32	31	16	6	0
MURRAY STATE UNIVERSITY	Kentucky	3,430	1,105	2,325	3	15	32	28	16	7	0
BELLARMINE UNIVERSITY	Kentucky	1,996	452	1,544	2	11	20	31	22	13	1
GEORGETOWN COLLEGE	Kentucky	1,849	339	1,510	3	14	25	28	19	11	0
CAMPBELLSVILLE UNIVERSITY	Kentucky	1,537	354	1,183	3	18	35	27	13	4	0
BEREA COLLEGE	Kentucky	1,529	493	1,036	3	17	33	29	14	5	0
KENTUCKY STATE UNIVERSITY	Kentucky	1,322	307	1,015	10	35	36	15	4	1	0
SOMERSET COMMUNITY COLLEGE	Kentucky	1,282	539	743	6	30	39	19	5	1	0
BLUEGRASS COMMUNITY & TECHNICAL COLLEGE	Kentucky	1,234	433	801	6	25	38	22	8	1	0
TRANSYLVANIA UNIVERSITY	Kentucky	1,203	234	969	1	6	15	25	31	21	1
STATE-NO COLLEGE PLANS	Iowa	1,091	1,091	0	27	47	22	4	0	0	0
UNIVERSITY OF CINCINNATI	Ohio	1,073	243	830	1	10	23	28	23	13	1
ELIZABETHTOWN COMM AND TECH COLLEGE	Kentucky	1,053	471	582	4	28	40	20	7	2	0
CENTRE COLLEGE	Kentucky	1,051	191	860	1	6	8	18	30	32	5
LINDSEY WILSON COLLEGE	Kentucky	1,030	260	770	3	22	36	26	10	3	0
SULLIVAN UNIVERSITY	Kentucky	1,029	258	771	7	30	37	19	6	1	0
UNIVERSITY OF THE CUMBERLANDS	Kentucky	994	245	749	2	14	32	30	15	7	1
MAYSVILLE COMM & TECH COLL-MOREHEAD	Kentucky	960	225	735	8	33	39	16	4	1	0
ITT TECHNICAL INSTITUTE-LEXINGTON	Kentucky	946	270	676	9	39	32	14	5	1	0
JEFFERSON COMM & TECH COLL-DOWNTOWN	Kentucky	884	307	577	12	36	32	15	4	1	0
WEST KENTUCKY COMM & TECHNICAL COLLEGE	Kentucky	810	293	517	6	29	34	22	7	2	0
NCAA ELIGIBILITY CENTER	Indiana	784	349	435	4	13	27	30	20	7	0
BOWLING GREEN TECHNICAL COLLEGE	Kentucky	777	260	517	9	40	34	13	3	0	0
PIKEVILLE COLLEGE	Kentucky	756	182	574	5	26	38	20	9	2	0
All Other Institutions		39,285	9,751	29,534	5	21	29	21	13	9	2
<b>Total</b>		<b>123,359</b>	<b>39,913</b>	<b>83,446</b>	<b>4</b>	<b>19</b>	<b>30</b>	<b>24</b>	<b>14</b>	<b>8</b>	<b>1</b>

# Section V Optional Writing Test Results

Total Students in Report: 45,763

**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>4,085</b>	<b>869,014</b>	<b>24.9</b>	<b>21.4</b>	<b>7.3</b>	<b>7.1</b>	<b>23.5</b>	<b>20.8</b>
African American/Black	354	107,638	19.7	16.4	6.6	6.4	19.0	16.4
American Indian/Alaska Native	11	6,232	25.2	18.9	7.0	6.6	23.4	18.4
Caucasian American/White	3,188	518,004	25.5	23.0	7.3	7.3	23.9	22.1
Hispanic	97	101,126	22.7	18.1	7.3	6.9	21.8	18.1
Asian American/Pacific Islander	171	49,922	27.2	23.6	7.8	7.7	25.6	22.9
Other/No Response	264	86,092	24.4	21.0	7.2	7.1	23.0	20.4
Males	1,794	384,152	24.9	21.1	7.1	6.9	23.2	20.3
Females	2,291	484,023	25.0	21.7	7.4	7.3	23.6	21.2
Missing	0	839	.	16.8	.	6.3	.	16.6





