

# ACT Profile Report - State

Graduating Class 2009  
Kentucky





## Table of Contents

<p><b>Section I: Executive Summary</b></p> <ul style="list-style-type: none"> <li>Percent of Your Students Ready for College-Level Coursework</li> <li>Five Year Trends—Percent of Students Meeting College Readiness Benchmarks</li> <li>Five Year Trends—Average ACT Scores</li> <li>Five Year Trends—Average ACT Scores by Level of Preparation</li> <li>Five Year Trends—Percent and Average Composite Score by Race/Ethnicity</li> </ul>	<p><b>Page 5</b></p>
<p><b>Section II: Academic Achievement</b></p> <ul style="list-style-type: none"> <li>ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values</li> <li>Average ACT Composite Scores for Race/Ethnicity by Level of Preparation</li> <li>Average ACT Scores by Race/Ethnicity</li> <li>Percent of Students in College Readiness Standards Score Ranges</li> <li>Average ACT Scores by Gender</li> <li>Percent of Students Meeting College Readiness Benchmark Scores by Gender</li> <li>College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum</li> <li>College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum</li> </ul>	<p><b>Page 9</b></p>
<p><b>Section III: College Readiness &amp; Impact of Course Rigor</b></p> <ul style="list-style-type: none"> <li>Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity</li> <li>Average ACT Scores and Average ACT Score Changes by Common Course Patterns</li> <li>College Readiness Percents by Common Course Patterns</li> </ul>	<p><b>Page 15</b></p>
<p><b>Section IV: Career and Educational Aspirations</b></p> <ul style="list-style-type: none"> <li>Distribution of Planned Educational Majors for All Students by College Plans</li> <li>Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations</li> <li>Students' Score Report Preferences at Time of Testing</li> </ul>	<p><b>Page 23</b></p>
<p><b>Section V: Optional Writing Test Results</b></p> <ul style="list-style-type: none"> <li>Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing</li> </ul>	<p><b>Page 27</b></p>

This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

This report focuses on:

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

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

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

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

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

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

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

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

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

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

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

**The ACT:**

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

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

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

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

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

## How to Improve Scores and Increase College Readiness

15% 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:** 45,419 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 7% of the cohort took less than three years of math courses. Of these students, 3% were college ready. 29% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 6% of these students were college ready. In comparison, 39% of the students who advanced beyond minimum math core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 14% of the cohort took less than three years of natural science courses. 6% 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 65% 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.

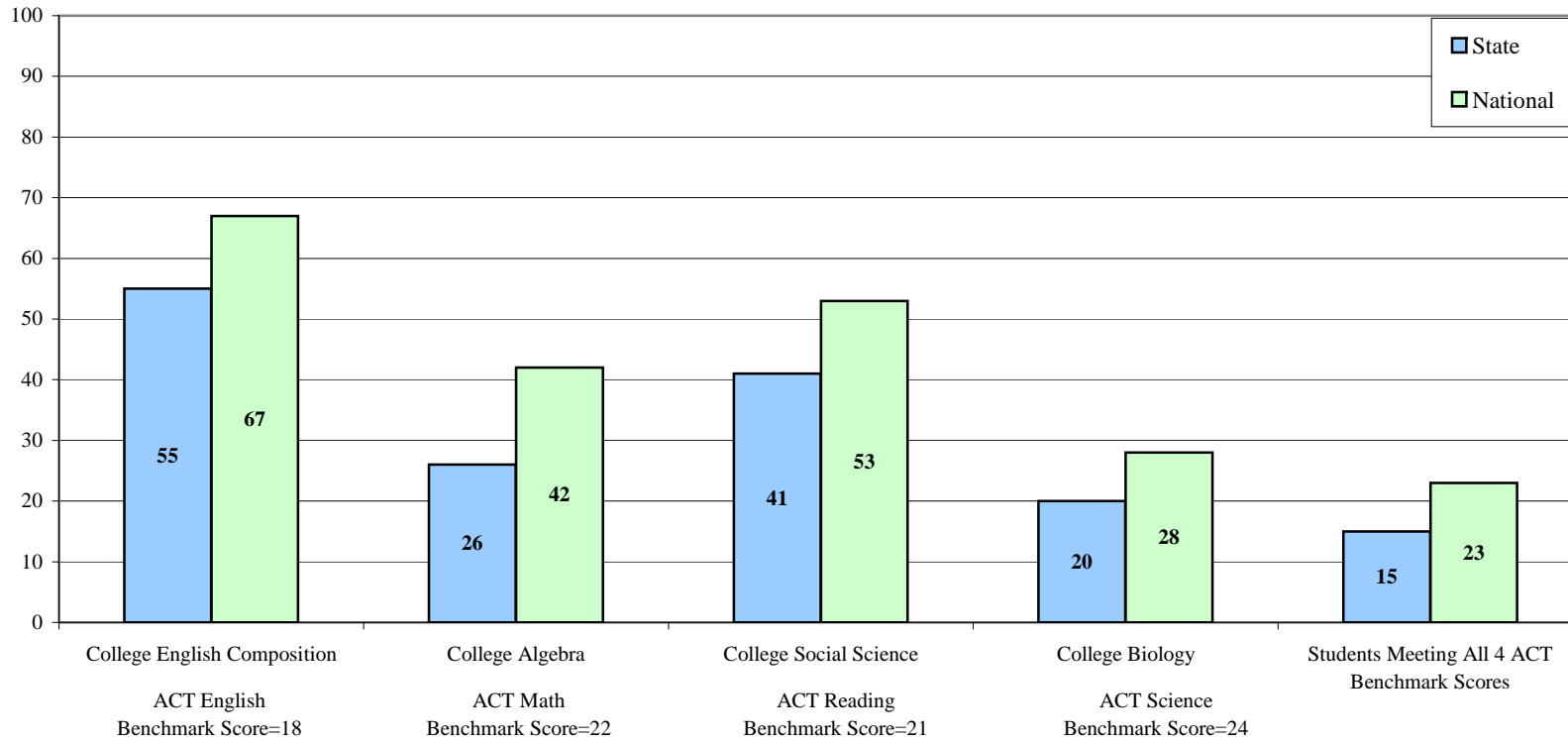
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

# Section I

## Executive Summary

Total Students in Report: 45,419

**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: 45,419

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

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2005	29,943	1,186,251	65	68	32	41	48	51	22	26	16	21
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
<b>2009</b>	<b>45,419</b>	<b>1,480,469</b>	<b>55</b>	<b>67</b>	<b>26</b>	<b>42</b>	<b>41</b>	<b>53</b>	<b>20</b>	<b>28</b>	<b>15</b>	<b>23</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
2005	29,943	1,186,251	20.0	20.4	19.7	20.7	20.8	21.3	20.4	20.9	20.4	20.9
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
<b>2009</b>	<b>45,419</b>	<b>1,480,469</b>	<b>18.8</b>	<b>20.6</b>	<b>19.0</b>	<b>21.0</b>	<b>19.8</b>	<b>21.4</b>	<b>19.7</b>	<b>20.9</b>	<b>19.4</b>	<b>21.1</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
<b>2009</b>	<b>1,480,469</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.9</b>	<b>21.1</b>

Total Students in Report: 45,419

**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
2005	18,114	10,358	60	35	20.8	18.4	20.4	18.6	21.6	19.5	20.9	19.4	21.1	19.1
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
<b>2009</b>	<b>29,118</b>	<b>15,315</b>	<b>64</b>	<b>34</b>	<b>20.2</b>	<b>16.3</b>	<b>19.9</b>	<b>17.4</b>	<b>21.0</b>	<b>17.6</b>	<b>20.6</b>	<b>18.0</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**

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>29,943</b>	<b>100</b>	<b>20.4</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>
African American/Black	2,176	7	16.8	2,248	8	17.1	2,358	8	17.0	2,496	8	17.3	3,774	8	16.3
American Indian/Alaska Native	110	0	19.7	83	0	19.4	92	0	19.5	99	0	19.3	691	2	15.9
Caucasian American/White	25,327	85	20.6	24,611	83	20.9	24,830	80	21.0	26,499	84	21.2	35,691	79	20.0
Hispanic	324	1	19.2	398	1	19.5	416	1	19.1	455	1	19.9	1,005	2	17.3
Asian American/Pacific Islander	402	1	22.3	381	1	22.3	426	1	21.8	402	1	22.3	566	1	21.3
Other/No Response	1,604	5	20.4	2,065	7	20.7	2,807	9	21.2	1,777	6	21.4	3,692	8	18.1

# Section II

# Academic Achievement

Total Students in Report: 45,419

**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	87	100	71	100	266	100	44	100	13	100	36
35	315	100	97	100	139	99	124	100	57	100	35
34	426	99	181	100	492	99	177	100	138	100	34
33	412	98	294	99	661	98	172	99	216	100	33
32	445	97	236	99	440	97	85	99	315	99	32
31	443	96	278	98	827	96	319	99	447	98	31
30	737	95	320	97	1,117	94	375	98	558	97	30
29	686	94	621	97	949	91	489	97	695	96	29
28	964	92	804	95	1,033	89	653	96	1,032	95	28
27	921	90	905	94	1,093	87	749	95	1,089	92	27
26	1,482	88	1,429	92	1,213	85	1,425	93	1,299	90	26
25	1,660	85	1,418	88	1,379	82	2,266	90	1,574	87	25
24	1,824	81	2,002	85	1,753	79	2,153	85	1,922	84	24
23	1,762	77	1,718	81	2,681	75	2,283	80	2,236	79	23
22	2,434	73	1,564	77	2,121	69	2,760	75	2,536	74	22
21	2,639	68	1,922	74	2,643	64	4,245	69	2,988	69	21
20	2,848	62	1,937	69	3,297	59	4,459	60	3,203	62	20
19	2,812	56	2,892	65	2,560	51	4,492	50	3,279	55	19
18	2,065	50	3,551	59	2,144	46	4,546	40	3,620	48	18
17	2,263	45	4,731	51	2,346	41	2,656	30	3,442	40	17
16	2,867	40	7,133	41	3,729	36	2,540	24	3,579	32	16
15	2,463	34	6,712	25	2,280	28	2,123	19	3,397	25	15
14	2,789	28	3,298	10	3,347	23	1,947	14	3,128	17	14
13	2,023	22	743	3	1,883	15	764	10	2,549	10	13
12	2,033	18	432	1	2,456	11	1,369	8	1,524	5	12
11	1,766	13	86	1	1,515	6	1,474	5	483	1	11
10	1,567	9	31	1	499	2	407	2	79	1	10
9	1,235	6	6	1	285	1	196	1	18	1	9
8	1,003	3	2	1	159	1	84	1	2	1	8
7	338	1	4	1	65	1	27	1	0	1	7
6	80	1	0	1	26	1	7	1	1	1	6
5	18	1	1	1	17	1	6	1	0	1	5
4	10	1	0	1	1	1	0	1	0	1	4
3	1	1	0	1	3	1	2	1	0	1	3
2	1	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
<b>Avg (SD)</b>	18.8 (6.3)		19.0 (4.7)		19.8 (6.1)		19.7 (4.7)		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: 45,419

**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	1,115	100	397	100	755	100	1,208	100	673	100	233	100	244	100	18
17	894	98	501	99	1,158	98	1,041	97	1,503	99	166	99	77	99	17
16	1,424	96	1,615	98	1,828	96	2,632	95	1,170	95	673	99	754	99	16
15	1,520	92	2,099	94	2,094	92	2,734	89	1,606	93	828	98	910	98	15
14	1,566	89	2,581	90	1,801	87	2,904	83	1,835	89	2,357	96	2,202	96	14
13	2,357	86	2,977	84	2,714	83	2,543	77	2,732	85	2,059	91	2,996	91	13
12	2,261	80	4,040	78	4,260	77	3,555	71	2,975	79	3,153	86	2,351	84	12
11	3,507	75	4,638	69	3,198	68	2,515	63	3,556	72	5,108	79	4,387	79	11
10	4,922	68	4,645	59	4,625	61	3,605	58	3,422	65	6,849	68	6,446	69	10
9	4,169	57	5,783	48	6,995	51	5,308	50	4,346	57	6,589	53	8,727	55	9
8	3,925	48	4,134	36	5,257	35	3,867	38	5,909	48	5,907	38	6,366	36	8
7	4,302	39	4,013	26	4,306	24	3,323	30	8,231	35	4,915	25	4,431	22	7
6	4,083	30	3,187	18	2,937	14	3,044	22	4,823	16	3,205	14	1,089	12	6
5	3,602	21	2,692	11	1,838	8	3,961	16	1,515	6	581	7	2,577	10	5
4	3,761	13	1,502	5	986	4	2,288	7	778	2	1,908	6	373	4	4
3	1,359	4	541	1	473	1	584	2	288	1	727	2	1,159	3	3
2	603	1	72	1	149	1	241	1	23	1	29	1	89	1	2
1	49	1	2	1	45	1	66	1	34	1	132	1	241	1	1
Avg (SD)	9.0 (3.9)		9.8 (3.4)		10.0 (3.4)		10.0 (3.9)		9.6 (3.4)		9.4 (2.9)		9.4 (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	22	23
Q2 (50th Percentile)	19	17	19	20	19
Q1 (25th Percentile)	14	16	15	17	16

Total Students in Report: 45,419

**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>45,419</b>	<b>64</b>	<b>20.6</b>	<b>17.4</b>
	African American/Black	3,774	53	17.3	15.3
	American Indian/Alaska Native	691	47	16.8	15.1
	Caucasian American/White	35,691	67	21.0	18.0
	Hispanic	1,005	58	18.5	15.7
	Asian American/Pacific Islander	566	70	22.8	18.2
	Other/No Response	3,692	51	19.7	16.6
National	<b>All Students</b>	<b>1,480,469</b>	<b>70</b>	<b>22.0</b>	<b>19.1</b>
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

<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>	18.8	19.0	19.8	19.7	19.4
	African American/Black	15.0	16.5	16.4	17.0	16.3
	American Indian/Alaska Native	14.1	16.2	16.0	16.8	15.9
	Caucasian American/White	19.5	19.4	20.4	20.1	20.0
	Hispanic	15.8	17.5	17.5	17.9	17.3
	Asian American/Pacific Islander	20.5	22.2	20.8	21.3	21.3
	Other/No Response	17.0	18.1	18.3	18.5	18.1
National	<b>All Students</b>	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 45,419

**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	1,240	3	643	1	1,558	3	517	1
	28 to 32	3,275	7	2,259	5	4,366	10	1,921	4
	24 to 27	5,887	13	5,754	13	5,438	12	6,593	15
	20 to 23	9,683	21	7,141	16	10,742	24	13,747	30
	16 to 19	10,007	22	18,307	40	10,779	24	14,234	31
	13 to 15	7,275	16	10,753	24	7,510	17	4,834	11
	01 to 12	8,052	18	562	1	5,026	11	3,573	8
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	21,657	48	18.2	19.4	19.4	19.9	19.3
	Females	23,505	52	19.4	18.7	20.2	19.4	19.5
	Missing	257	1	14.9	16.6	16.5	17.2	16.4
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	51	29	39	23	17
	Females	59	24	44	18	13
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 45,419

**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>3</sup>	Avg
State	Core or More <sup>2</sup>	29,118	65	20.2	33	19.9	50	21.0	25	20.6	19	20.6
	Less than Core	15,315	37	16.3	14	17.4	26	17.6	10	18.0	7	17.4
	Missing	986	24	14.3	7	16.3	17	16.0	6	16.6	3	15.9
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

<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>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	41,426	58	19.2	41,756	28	19.3	34,894	46	20.4	38,115	23	20.1
	Less than Core	3,322	26	14.7	2,897	3	15.7	9,705	28	17.8	6,494	6	17.2
	Missing	671	26	14.6	766	7	16.3	820	19	16.2	810	7	16.8
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

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

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

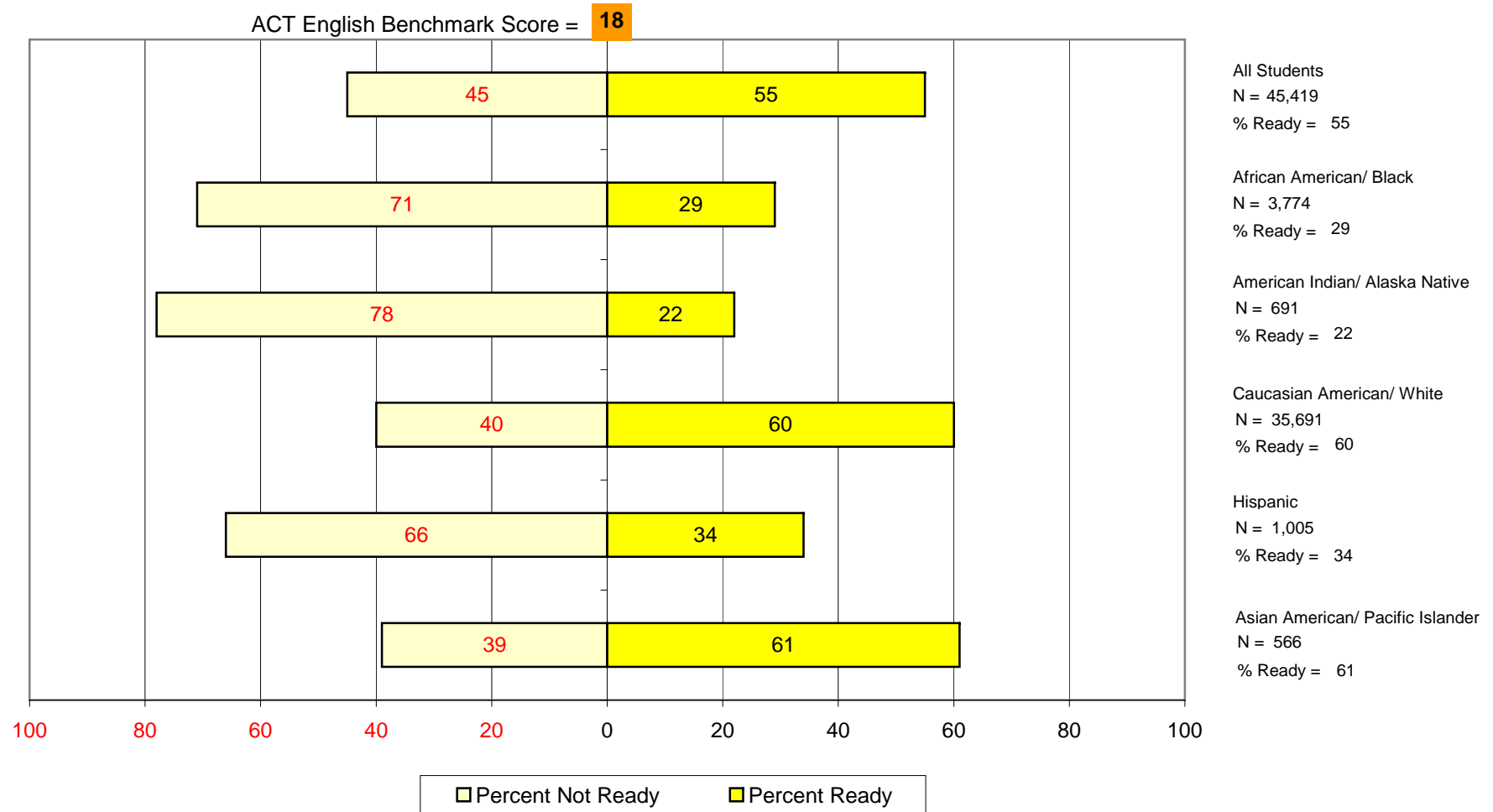


# Section III

## College Readiness and the Impact of Course Rigor

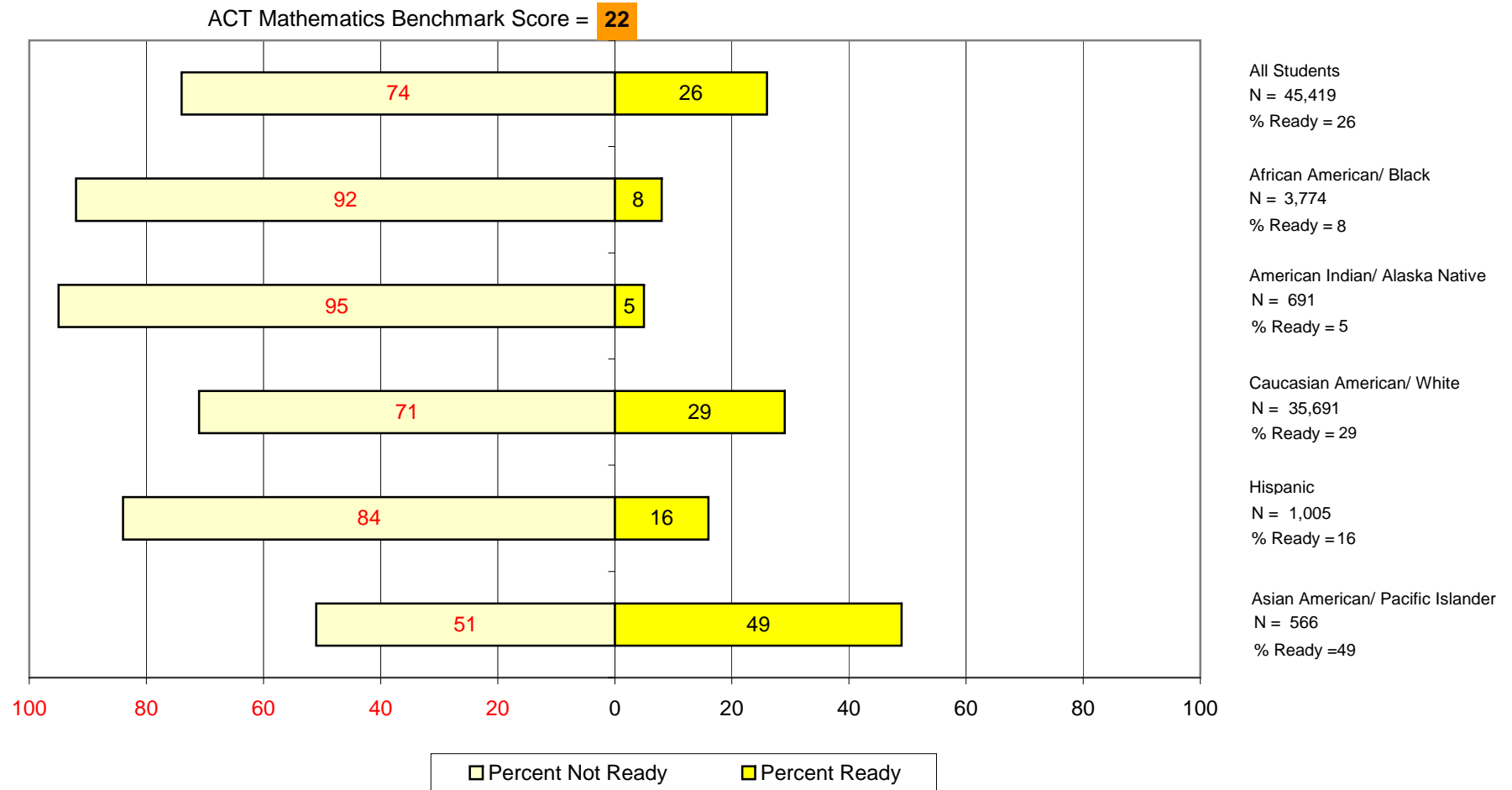
Total Students in Report: 45,419

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



Total Students in Report: 45,419

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



Total Students in Report: 45,419

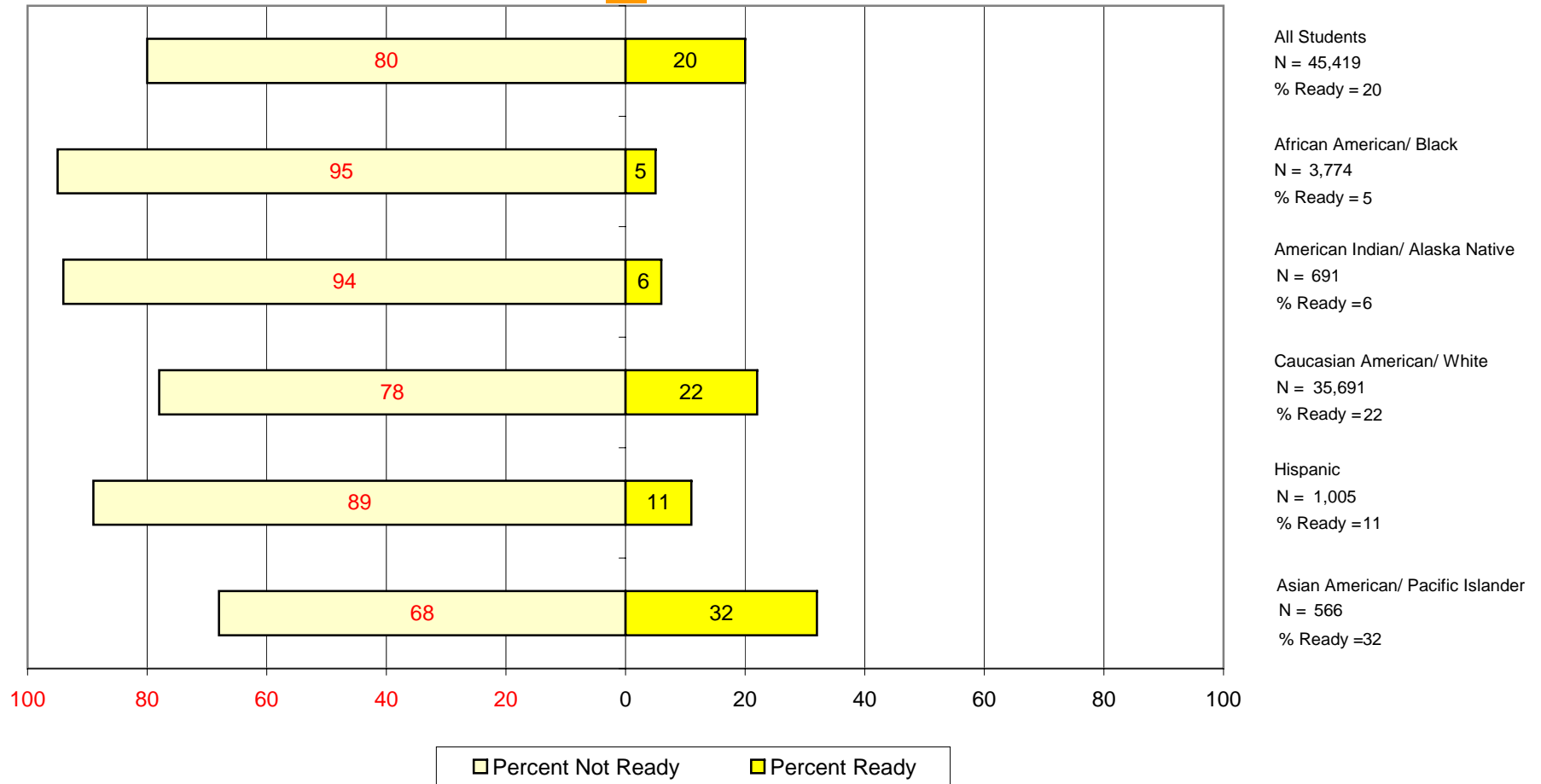
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING**



Total Students in Report: 45,419

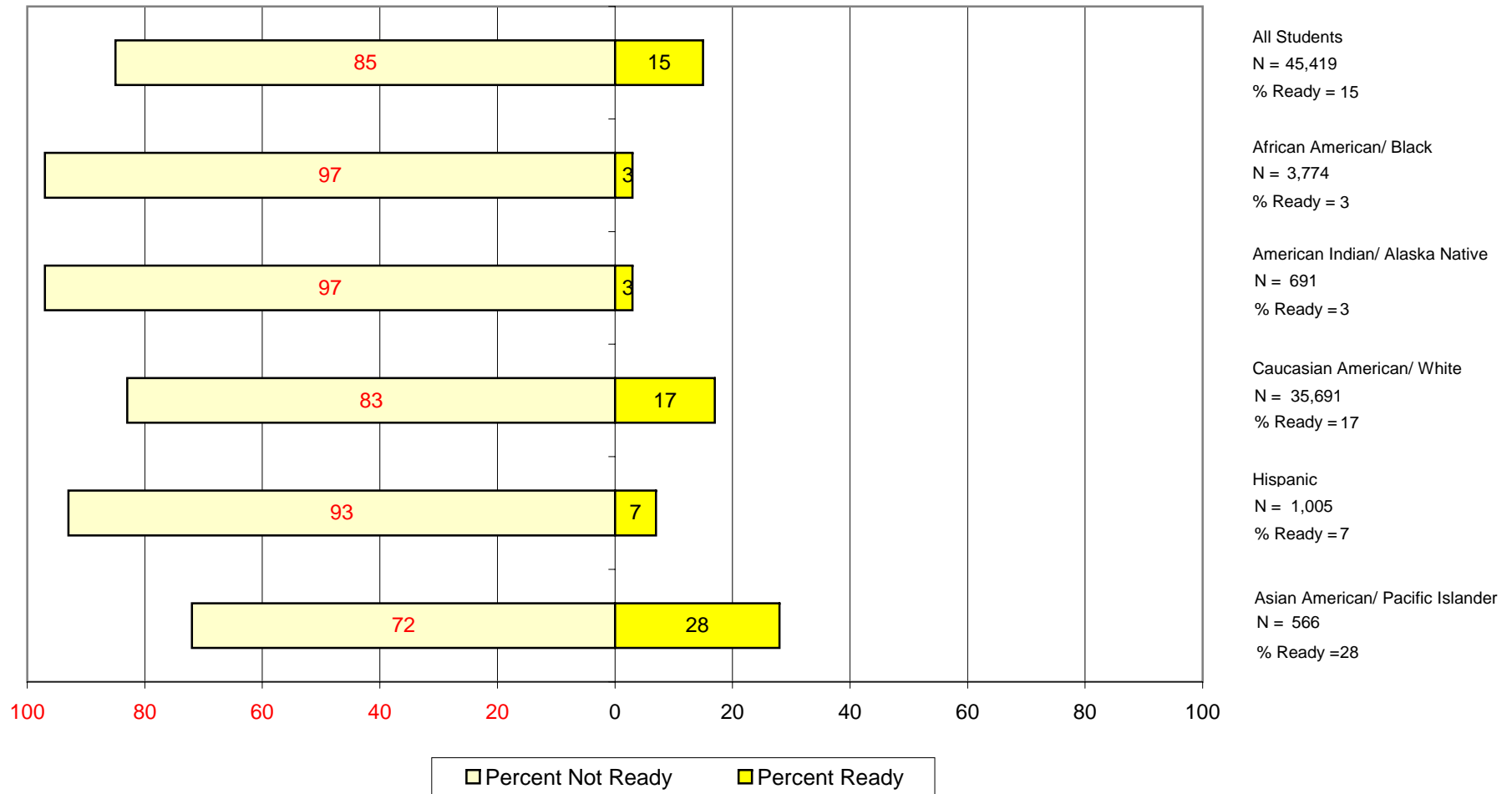
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 45,419

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



Total Students in Report: 45,419

**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	6,788	15	21.3	6.6	2,814	13	21.0	6.5	3,951	17	21.5	6.5
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	34,638	76	18.8	4.1	16,574	77	18.2	3.7	17,893	76	19.3	4.3
Less than 4 years of English	3,331	7	14.7	-	1,887	9	14.5	-	1,396	6	15.0	-
No English course/grade information reported	662	1	14.6	-	382	2	14.5	-	265	1	14.8	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,246	3	23.1	7.4	595	3	23.9	8.0	643	3	22.4	6.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,194	5	21.3	5.6	857	4	21.9	6.0	1,332	6	20.9	5.4
Alg 1, Alg 2, Geom, & Trig	1,793	4	18.7	3.0	868	4	18.9	3.0	909	4	18.5	3.0
Alg 1, Alg 2, Geom, & Other Adv Math	10,913	24	18.9	3.2	4,451	21	19.4	3.5	6,415	27	18.7	3.2
Other comb of 4 or more years of Math	10,064	22	22.7	7.0	5,073	23	23.4	7.5	4,964	21	22.0	6.5
Alg 1, Alg 2, & Geom (Min. Core)	12,982	29	16.5	0.8	6,438	30	16.7	0.8	6,449	27	16.2	0.7
Other comb of 3 or 3.5 years of Math	2,564	6	18.1	2.4	1,303	6	18.5	2.6	1,245	5	17.7	2.2
Less than 3 years of Math	2,955	7	15.7	-	1,666	8	15.9	-	1,261	5	15.5	-
No Math course/grade information reported	708	2	16.4	-	406	2	16.5	-	287	1	16.3	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,208	3	21.2	3.5	619	3	20.9	3.5	587	2	21.6	3.5
Other comb of 4 or more years Social Science	14,687	32	21.0	3.3	6,679	31	20.8	3.4	7,949	34	21.2	3.1
US Hist, World Hist, & Am Gov (Min. Core)	5,980	13	19.0	1.3	3,036	14	18.3	0.9	2,914	12	19.6	1.5
Other comb of 3 or 3.5 years of Social Science	13,019	29	20.4	2.7	5,775	27	20.2	2.8	7,179	31	20.5	2.4
Less than 3 years of Social Science	9,767	22	17.7	-	5,110	24	17.4	-	4,575	19	18.1	-
No Soc Sci course/grade information reported	758	2	16.3	-	438	2	16.2	-	301	1	16.5	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	12,479	27	21.0	3.8	6,395	30	21.6	4.4	6,030	26	20.4	3.3
Bio, Chem, Phys	2,637	6	22.0	4.8	1,230	6	22.8	5.6	1,383	6	21.3	4.2
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	21,656	48	19.5	2.3	9,425	44	19.6	2.4	12,135	52	19.5	2.4
Other comb of 3 years of Natural Science	1,343	3	18.8	1.6	716	3	19.1	1.9	616	3	18.4	1.3
Less than 3 years of Natural Science	6,557	14	17.2	-	3,460	16	17.2	-	3,040	13	17.1	-
No Nat Sci course/grade information reported	747	2	16.8	-	431	2	16.9	-	301	1	16.7	-

<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.

Total Students in Report: 45,419

**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	6,788	15	21.3	71	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	34,638	76	18.8	55	1,029,431	70	20.6	68
Less than 4 years of English	3,331	7	14.7	26	74,090	5	16.7	42
No English course/grade information reported	662	1	14.6	26	38,830	3	16.1	37
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,246	3	23.1	62	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,194	5	21.3	47	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	1,793	4	18.7	23	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	10,913	24	18.9	24	220,868	15	20.1	36
Other comb of 4 or more years of Math	10,064	22	22.7	57	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	12,982	29	16.5	6	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	2,564	6	18.1	18	70,732	5	20.1	35
Less than 3 years of Math	2,955	7	15.7	3	105,591	7	16.5	7
No Math course/grade information reported	708	2	16.4	8	40,565	3	17.7	18
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,208	3	21.2	50	46,754	3	22.8	61
Other comb of 4 or more years Social Science	14,687	32	21.0	50	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	5,980	13	19.0	35	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	13,019	29	20.4	45	420,236	28	21.3	52
Less than 3 years of Social Science	9,767	22	17.7	28	152,775	10	19.7	40
No Soc Sci course/grade information reported	758	2	16.3	19	40,525	3	17.5	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	12,479	27	21.0	30	563,824	38	22.2	39
Bio, Chem, Phys	2,637	6	22.0	37	141,531	10	23.3	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	21,656	48	19.5	17	459,833	31	20.1	21
Other comb of 3 years of Natural Science	1,343	3	18.8	15	41,353	3	19.8	21
Less than 3 years of Natural Science	6,557	14	17.2	6	233,215	16	18.4	11
No Nat Sci course/grade information reported	747	2	16.8	7	40,713	3	17.7	11

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



# Section IV

## Career and Educational Aspirations

Total Students in Report: 45,419

**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	1,310	3	17.4	429	6	15.4	789	2	18.6
Architecture & Environmental Design	818	2	20.0	152	2	15.9	624	2	21.0
Business & Management	3,310	7	19.9	299	4	16.1	2,873	9	20.4
Business & Office	256	1	18.2	68	1	16.5	176	1	18.9
Marketing & Distribution	256	1	18.2	43	1	15.6	199	1	18.9
Communications & Comm. Technologies	1,117	2	20.5	122	2	16.1	959	3	21.1
Community & Personal Services	2,109	5	17.4	606	8	15.7	1,343	4	18.3
Computer & Information Sciences	1,169	3	19.9	253	4	17.1	841	2	20.9
Cross-Disciplinary Studies	33	0	23.5	4	0	16.3	29	0	24.4
Education	1,577	3	19.7	94	1	15.5	1,421	4	20.0
Teacher Education	1,462	3	19.6	84	1	15.3	1,319	4	20.0
Engineering	2,221	5	20.7	478	7	15.5	1,635	5	22.5
Engineering-Related Technologies	1,093	2	19.0	335	5	15.3	705	2	20.9
Foreign Languages	228	1	21.6	21	0	16.1	189	1	22.6
Health Sciences & Allied Health Fields	10,272	23	19.6	1,208	17	16.2	8,690	26	20.2
Human, Family & Consumer Science	867	2	17.5	247	3	15.9	548	2	18.4
Letters	300	1	23.5	18	0	16.9	263	1	24.0
Mathematics	174	0	23.2	10	0	19.1	159	0	23.6
Philosophy, Religion & Theology	274	1	21.6	18	0	16.3	247	1	22.1
Sciences (Biological & Physical)	1,629	4	22.7	48	1	16.8	1,510	4	23.0
Social Sciences	2,724	6	21.3	88	1	16.0	2,535	8	21.5
Trade & Industrial	1,318	3	16.4	943	13	16.0	294	1	17.9
Visual & Performing Arts	3,032	7	19.7	487	7	16.5	2,301	7	20.5
Undecided	4,998	11	19.6	825	11	15.8	3,673	11	20.7
No Response	2,872	6	15.6	318	4	14.1	376	1	16.1

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

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

Total Students in Report: 45,419

**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	2,663	15.6	134	14.4	104	14.5	2,166	15.8	75	15.0	21	14.8	163	15.3
2-yr College Degree	4,535	16.0	414	14.1	136	14.3	3,534	16.4	121	14.9	36	14.8	294	15.4
Bachelors Degree	15,986	19.3	1,371	16.1	174	16.3	13,190	19.7	294	17.2	131	18.9	826	18.4
Graduate Study	6,066	22.1	453	17.9	55	18.3	5,043	22.6	122	19.6	79	22.5	314	21.1
Prof. Level Degree	11,646	21.5	1,069	17.6	122	18.1	9,122	22.0	294	18.7	253	24.3	786	21.1
Other	1,903	16.8	192	14.6	48	15.2	1,392	17.3	60	15.4	27	16.8	184	16.1
No Response	2,620	16.7	141	14.6	52	14.3	1,244	17.4	39	15.2	19	18.9	1,125	16.4

Total Students in Report: 45,419

**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	15,394	5,600	9,794	2	12	27	30	18	9	1
UNIVERSITY OF LOUISVILLE	Kentucky	10,894	3,361	7,533	3	14	29	27	17	8	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	9,880	2,986	6,894	3	16	32	28	15	6	0
EASTERN KENTUCKY UNIVERSITY	Kentucky	8,387	2,658	5,729	3	18	36	28	12	3	0
MOREHEAD STATE UNIVERSITY	Kentucky	4,163	1,297	2,866	3	19	36	27	10	4	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	3,937	3,861	76	10	34	31	16	5	3	1
MURRAY STATE UNIVERSITY	Kentucky	3,649	1,187	2,462	2	15	32	29	16	6	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	3,454	1,299	2,155	2	13	34	30	16	5	0
GEORGETOWN COLLEGE	Kentucky	2,113	410	1,703	3	13	26	30	18	9	1
BELLARMINE UNIVERSITY	Kentucky	2,034	436	1,598	2	10	23	31	22	11	1
CAMPBELLSVILLE UNIVERSITY	Kentucky	1,596	415	1,181	3	17	36	28	12	4	0
BEREA COLLEGE	Kentucky	1,482	427	1,055	3	18	33	29	13	4	0
KENTUCKY STATE UNIVERSITY	Kentucky	1,452	334	1,118	9	33	38	16	4	0	0
TRANSYLVANIA UNIVERSITY	Kentucky	1,402	262	1,140	1	5	15	28	26	21	3
SOMERSET COMMUNITY COLLEGE	Kentucky	1,351	560	791	5	31	39	19	5	1	0
STATE-NO COLLEGE PLANS	Iowa	1,216	1,184	32	20	51	23	5	1	0	0
BLUEGRASS COMMUNITY & TECHNICAL COLLEGE	Kentucky	1,157	421	736	5	24	40	23	7	2	0
CENTRE COLLEGE	Kentucky	1,084	215	869	1	4	10	19	29	32	6
SULLIVAN UNIVERSITY	Kentucky	1,076	262	814	6	30	37	19	7	1	0
ELIZABETHTOWN COMM AND TECH COLLEGE	Kentucky	1,036	431	605	5	23	39	24	8	1	0
UNIVERSITY OF THE CUMBERLANDS	Kentucky	965	242	723	3	15	33	29	15	5	0
JEFFERSON COMM & TECH COLL-DOWNTOWN	Kentucky	956	296	660	11	32	35	17	4	0	0
UNIVERSITY OF CINCINNATI	Ohio	921	207	714	2	12	26	29	19	11	2
WEST KENTUCKY COMM & TECHNICAL COLLEGE	Kentucky	892	320	572	5	27	37	22	7	1	0
OWENSBORO COMM & TECH COLL-MAIN CAMPUS	Kentucky	864	569	295	4	25	37	24	8	2	0
LINDSEY WILSON COLLEGE	Kentucky	840	155	685	5	19	39	24	12	2	0
NCAA ELIGIBILITY CENTER	Indiana	802	347	455	3	15	28	30	18	6	1
BOWLING GREEN TECHNICAL COLLEGE	Kentucky	794	268	526	9	34	37	16	4	0	0
ALICE LLOYD COLLEGE	Kentucky	778	248	530	5	26	40	23	6	1	0
PIKEVILLE COLLEGE	Kentucky	710	165	545	5	25	37	23	7	2	0
All Other Institutions		40,115	9,728	30,387	5	21	30	22	13	9	2
<b>Total</b>		<b>125,394</b>	<b>40,151</b>	<b>85,243</b>	<b>4</b>	<b>19</b>	<b>31</b>	<b>25</b>	<b>14</b>	<b>7</b>	<b>1</b>

# Section V Optional Writing Test Results

Total Students in Report: 45,419

**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>3,683</b>	<b>814,713</b>	<b>24.8</b>	<b>21.5</b>	<b>7.2</b>	<b>7.2</b>	<b>23.3</b>	<b>20.8</b>
African American/Black	265	96,225	19.5	16.5	6.7	6.4	18.9	16.5
American Indian/Alaska Native	13	5,489	21.2	18.9	6.7	6.7	20.2	18.5
Caucasian American/White	2,927	497,164	25.4	22.8	7.3	7.3	23.7	21.9
Hispanic	83	85,681	22.5	18.4	6.8	7.0	21.2	18.4
Asian American/Pacific Islander	129	44,716	26.2	23.5	7.9	7.6	24.9	22.8
Other/No Response	266	85,438	24.6	21.4	7.3	7.2	23.3	20.8
Males	1,580	357,025	24.9	21.1	7.0	6.9	23.2	20.3
Females	2,099	455,190	24.8	21.7	7.4	7.4	23.4	21.2
Missing	4	2,498	19.5	22.1	7.3	7.2	19.5	21.3



