

ACT Profile Report - State

Graduating Class 2011
Kentucky



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This report provides information about the performance of your 2011 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 2011 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.

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

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

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

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: 46,428 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. 66% 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 4% of the cohort took less than three years of math courses. Of these students, 4% were college ready. 26% 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 13% 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 63% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

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

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

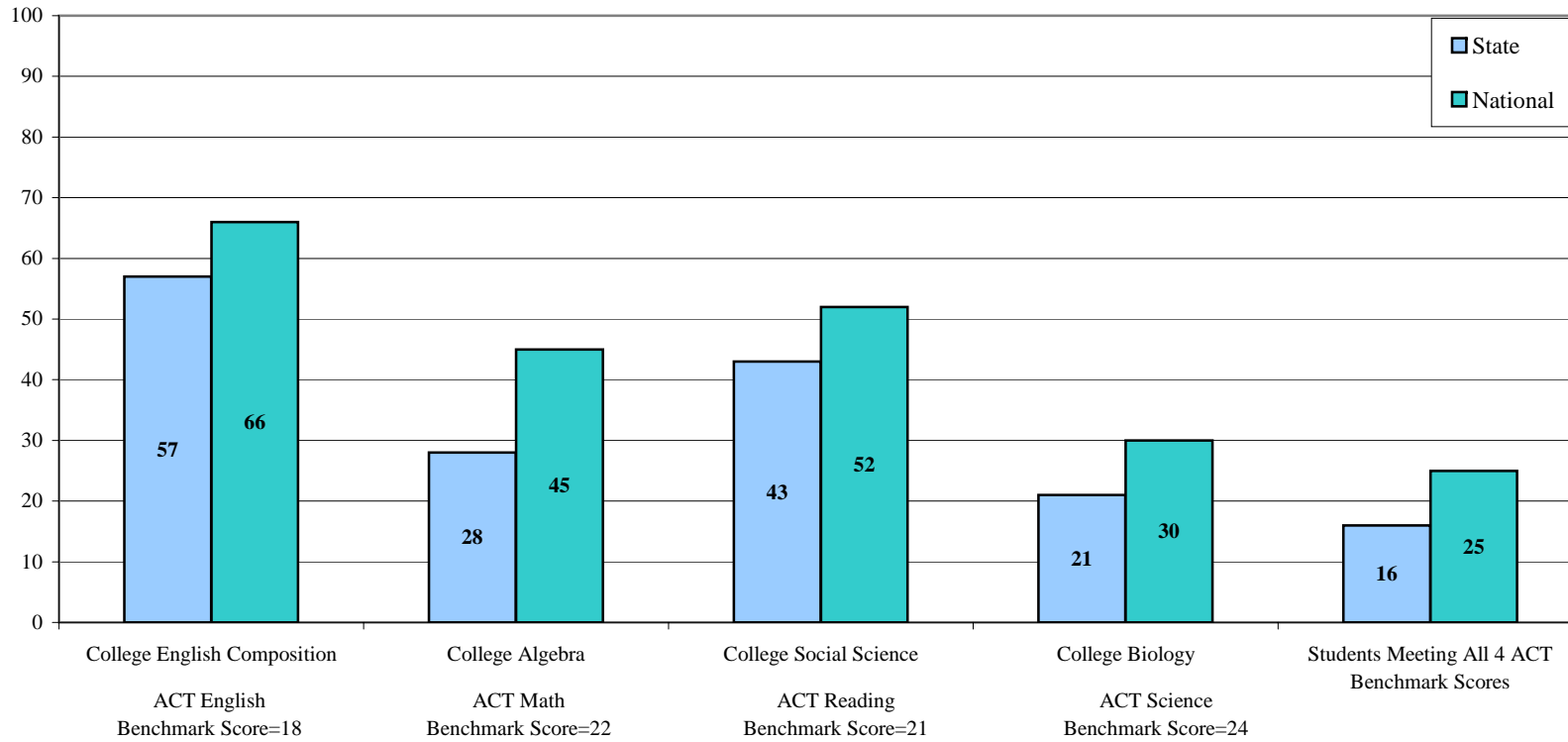
Section I

Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 46,428

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: 46,428

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
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
2010	45,763	1,568,835	55	66	28	43	40	52	21	29	16	24
2011	46,428	1,623,112	57	66	28	45	43	52	21	30	16	25

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
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
2010	45,763	1,568,835	18.9	20.5	19.1	21.0	19.7	21.3	19.5	20.9	19.4	21.0
2011	46,428	1,623,112	19.2	20.6	19.1	21.1	20.0	21.3	19.6	20.9	19.6	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2010	1,568,835	20.5	21.0	21.3	20.9	21.0
2011	1,623,112	20.6	21.1	21.3	20.9	21.1

Total Students in Report: 46,428

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
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
2010	29,167	15,185	64	33	20.3	16.4	20.0	17.5	20.9	17.6	20.5	17.7	20.6	17.4
2011	30,663	14,417	66	31	20.5	16.8	20.0	17.5	21.1	18.0	20.6	17.9	20.7	17.7

¹"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.

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

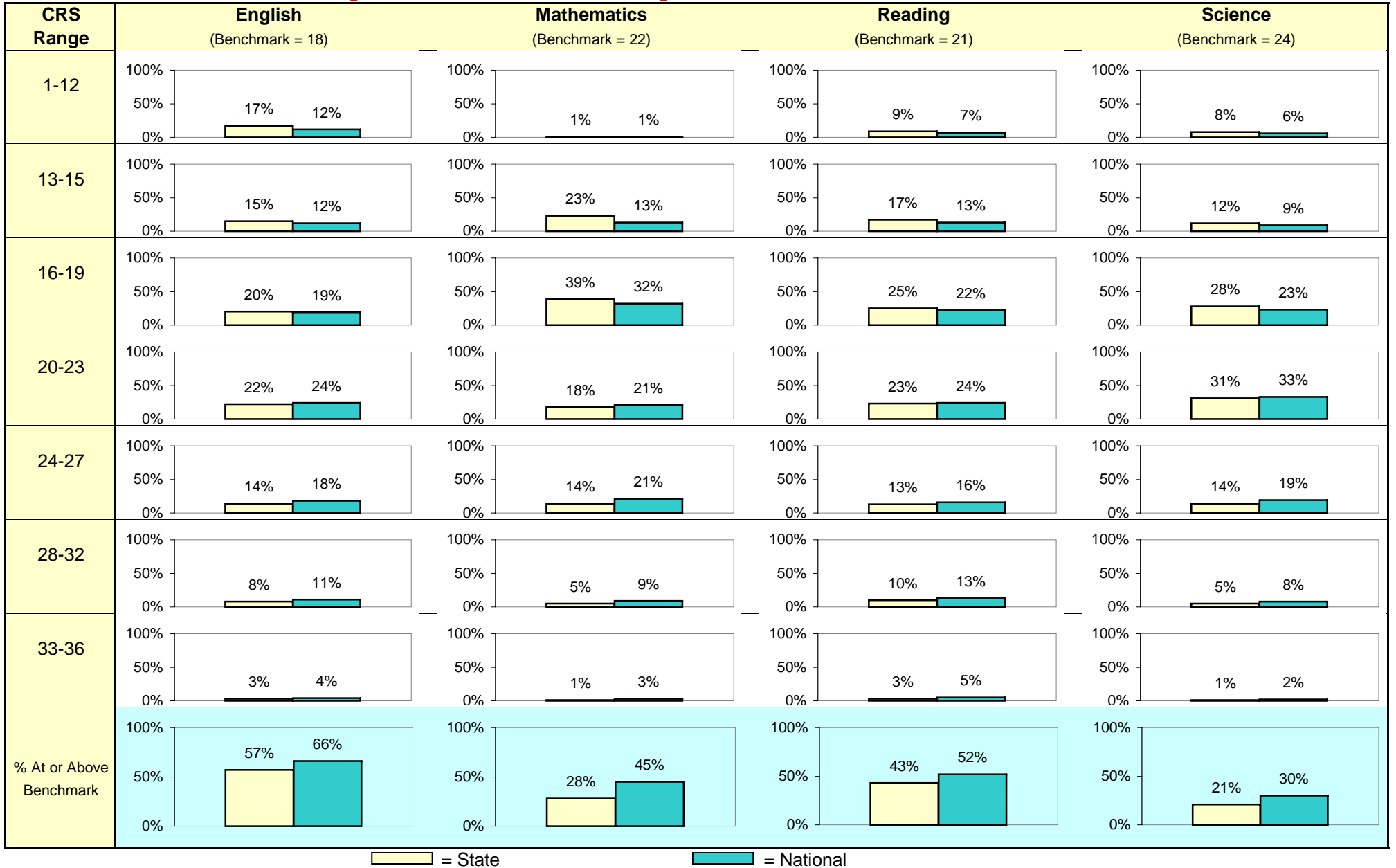
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	30,929	100	20.7	31,728	100	20.9	45,419	100	19.4	45,763	100	19.4	46,428	100	19.6
Black/African American	2,358	8	17.0	2,496	8	17.3	3,774	8	16.3	4,051	9	16.4	4,130	9	16.5
American Indian/Alaska Native	92	0	19.5	99	0	19.3	691	2	15.9	178	0	17.2	185	0	17.3
White	24,830	80	21.0	26,499	84	21.2	35,691	79	20.0	36,245	79	19.8	36,653	79	20.1
Hispanic/Latino	416	1	19.1	455	1	19.9	1,005	2	17.3	915	2	17.9	1,179	3	18.2
Asian	426	1	21.8	402	1	22.3	566	1	21.3	549	1	22.7	536	1	22.6
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	16	0	19.8
Two or more races	364	1	19.5	407	1	20.2	881	2	19.1	821	2	19.0	948	2	19.2
Prefer not to respond/No response	2,443	8	21.4	1,370	4	21.7	2,811	6	17.8	3,004	7	18.2	2,781	6	18.1

¹Refer to the section header on page 5 for a description of race/ethnicity changes.

Total Students in Report: 46,428

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



Section II

Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 46,428

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	115	100	88	100	178	100	70	100	12	100	36
35	440	100	128	100	315	100	107	100	69	100	35
34	384	99	226	100	413	99	116	100	126	100	34
33	480	98	180	99	658	98	233	99	238	100	33
32	544	97	340	99	696	97	115	99	334	99	32
31	646	96	231	98	867	95	342	99	510	98	31
30	638	94	370	97	908	93	459	98	623	97	30
29	812	93	492	97	912	91	555	97	772	96	29
28	1,124	91	705	96	1,068	89	901	96	1,126	94	28
27	1,111	89	1,156	94	1,211	87	1,004	94	1,142	92	27
26	1,337	86	1,426	92	1,317	84	1,432	92	1,469	89	26
25	1,914	84	1,563	88	1,673	82	2,013	89	1,717	86	25
24	2,201	79	2,240	85	1,910	78	2,216	84	1,984	82	24
23	1,771	75	1,998	80	2,344	74	3,159	79	2,424	78	23
22	2,638	71	2,047	76	2,325	69	2,508	73	2,691	73	22
21	3,076	65	1,717	72	2,951	64	3,854	67	3,023	67	21
20	2,778	59	2,372	68	3,226	57	5,066	59	3,213	61	20
19	2,623	53	2,515	63	2,254	51	2,654	48	3,332	54	19
18	2,059	47	3,270	57	3,323	46	4,261	42	3,653	47	18
17	2,065	43	4,422	50	2,384	39	2,340	33	3,538	39	17
16	2,756	38	7,786	41	3,419	33	3,538	28	3,454	31	16
15	3,426	32	6,391	24	3,124	26	2,198	20	3,222	24	15
14	1,998	25	3,071	10	2,098	19	1,836	16	2,954	17	14
13	1,635	20	1,354	4	2,806	15	1,591	12	2,561	10	13
12	2,129	17	191	1	2,281	9	1,337	8	1,594	5	12
11	1,623	12	121	1	831	4	1,543	5	524	1	11
10	1,819	9	21	1	501	2	533	2	104	1	10
9	1,259	5	4	1	241	1	269	1	15	1	9
8	572	2	0	1	109	1	112	1	3	1	8
7	343	1	2	1	56	1	43	1	0	1	7
6	87	1	0	1	7	1	17	1	1	1	6
5	18	1	0	1	19	1	1	1	0	1	5
4	6	1	1	1	2	1	3	1	0	1	4
3	1	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	19.2 (6.4)		19.1 (4.7)		20.0 (6.0)		19.6 (5.0)		19.6 (5.0)		Avg (SD)

¹CP 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: 46,428

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		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	1,137	100	603	100	713	100	923	100	1,143	100	286	100	295	100	18
17	1,440	98	52	99	1,091	98	2,381	98	1,252	98	209	99	44	99	17
16	1,235	94	2,403	99	2,536	96	1,490	93	743	95	616	99	587	99	16
15	2,083	92	2,515	93	1,763	91	2,685	90	1,775	93	842	98	1,394	98	15
14	1,579	87	2,329	88	1,971	87	2,178	84	2,324	89	2,242	96	2,189	95	14
13	2,539	84	3,347	83	3,257	83	3,081	79	3,265	84	3,452	91	2,722	90	13
12	2,739	78	4,091	76	4,381	76	3,137	73	2,662	77	2,508	84	4,065	84	12
11	3,760	73	4,523	67	3,511	66	4,065	66	4,101	72	5,438	78	4,045	76	11
10	5,271	64	4,869	57	5,916	59	3,408	57	2,954	63	7,101	66	6,231	67	10
9	4,015	53	5,611	47	5,418	46	3,795	50	5,113	56	10,407	51	8,913	54	9
8	3,890	44	3,891	35	7,067	34	4,821	42	5,906	45	5,651	29	5,913	34	8
7	4,675	36	4,696	26	3,995	19	3,020	31	7,628	33	3,858	17	4,293	22	7
6	3,665	26	2,842	16	2,425	10	4,740	25	4,176	16	715	8	1,044	12	6
5	3,059	18	1,560	10	1,483	5	4,046	14	2,325	7	1,948	7	2,450	10	5
4	2,485	12	2,343	7	636	2	1,438	6	677	2	271	2	1,472	5	4
3	2,107	6	625	2	68	1	767	3	279	1	676	2	150	2	3
2	700	2	118	1	169	1	437	1	93	1	34	1	502	1	2
1	49	1	10	1	28	1	16	1	12	1	174	1	119	1	1
Avg (SD)	9.3 (3.9)		10.0 (3.4)		10.3 (3.3)		9.9 (3.9)		9.7 (3.4)		9.7 (2.7)		9.5 (2.9)		Avg (SD)

¹CP 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)	24	22	24	23	23
Q2 (50th Percentile)	19	17	19	20	19
Q1 (25th Percentile)	15	16	15	16	16

Total Students in Report: 46,428

Table 2.4. Average ACT Composite Scores for Race/Ethnicity¹ by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	46,428	66	20.7	17.7
	Black/African American	4,130	56	17.3	15.7
	American Indian/Alaska Native	185	55	18.4	15.8
	White	36,653	68	21.1	18.1
	Hispanic/Latino	1,179	60	19.4	16.7
	Asian	536	72	23.9	19.7
	Native Hawaiian/Other Pac. Isl.	16	81	20.3	15.5
	Two or more races	948	63	20.1	17.9
	Prefer not/No Response	2,781	55	19.8	16.4
National	All Students	1,623,112	74	21.9	19.0
	Black/African American	223,383	69	17.5	15.9
	American Indian/Alaska Native	14,970	63	19.7	17.1
	White	981,585	76	23.1	20.3
	Hispanic/Latino	200,661	72	19.4	17.2
	Asian	66,650	81	24.1	21.9
	Native Hawaiian/Other Pac. Isl.	2,244	78	20.0	17.8
	Two or more races	46,378	72	21.8	19.3
	Prefer not/No Response	87,241	65	22.1	18.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

²"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/Ethnicity¹

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	19.2	19.1	20.0	19.6	19.6
	Black/African American	15.4	16.6	16.5	16.9	16.5
	American Indian/Alaska Native	16.3	17.5	17.9	17.0	17.3
	White	19.8	19.4	20.5	20.0	20.1
	Hispanic/Latino	17.2	18.3	18.6	18.3	18.2
	Asian	21.9	23.7	22.0	22.3	22.6
	Native Hawaiian/Other Pac. Isl.	19.3	19.0	20.1	20.6	19.8
	Two or more races	18.8	18.5	19.8	19.3	19.2
	Prefer not/No Response	17.3	18.0	18.5	18.2	18.1
National	All Students	20.6	21.1	21.3	20.9	21.1
	Black/African American	15.9	17.2	17.0	17.1	17.0
	American Indian/Alaska Native	17.5	18.6	19.1	18.9	18.6
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.6	19.2	18.9	18.8	18.7
	Asian	22.8	25.1	22.9	23.1	23.6
	Native Hawaiian/Other Pac. Isl.	18.6	19.9	19.4	19.5	19.5
	Two or more races	20.7	20.7	21.6	20.9	21.1
	Prefer not/No Response	20.2	20.9	21.0	20.4	20.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

Total Students in Report: 46,428

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	1,419	3	622	1	1,564	3	526	1
	28 to 32	3,764	8	2,138	5	4,451	10	2,372	5
	24 to 27	6,563	14	6,385	14	6,111	13	6,665	14
	20 to 23	10,263	22	8,134	18	10,846	23	14,587	31
	16 to 19	9,503	20	17,993	39	11,380	25	12,793	28
	13 to 15	7,059	15	10,816	23	8,028	17	5,625	12
	01 to 12	7,857	17	340	1	4,048	9	3,860	8
National	33 to 36	68,159	4	49,703	3	81,236	5	32,031	2
	28 to 32	174,801	11	144,331	9	211,084	13	130,969	8
	24 to 27	286,161	18	344,894	21	265,974	16	316,182	19
	20 to 23	394,076	24	332,913	21	382,505	24	530,056	33
	16 to 19	309,855	19	525,628	32	360,259	22	366,855	23
	13 to 15	201,235	12	217,338	13	214,265	13	153,754	9
	01 to 12	188,825	12	8,305	1	107,789	7	93,265	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	22,604	49	18.5	19.4	19.7	19.8	19.5
	Females	23,678	51	19.9	18.9	20.3	19.4	19.7
	Missing	146	0	14.5	16.1	16.4	16.0	15.9
National	Males	739,070	46	20.2	21.6	21.1	21.4	21.2
	Females	879,957	54	20.9	20.6	21.4	20.5	21.0
	Missing	4,085	0	16.4	17.8	17.7	17.8	17.6

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	53	30	40	23	18
	Females	62	27	45	18	14
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 46,428

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	30,663	67	20.5	35	20.0	50	21.1	26	20.6	21	20.7
	Less than Core	14,417	41	16.8	16	17.5	29	18.0	11	17.9	8	17.7
	Missing ³	1,348	23	14.1	7	16.0	15	15.9	4	16.0	2	15.6
National	Core or More	1,202,164	72	21.5	51	21.8	57	22.0	34	21.6	29	21.9
	Less than Core	366,518	51	18.3	27	19.0	38	19.3	17	19.0	13	19.0
	Missing	54,430	38	16.3	21	18.0	27	17.7	12	17.7	9	17.5

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "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.

³ Zero years or no coursework information reported in one or more content areas.

⁴ 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 ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	42,198	61	19.7	43,254	30	19.3	35,993	47	20.6	39,391	23	20.1
	Less than Core	3,213	27	14.8	2,071	4	15.7	9,258	30	18.2	5,827	6	17.0
	Missing ³	1,017	23	14.2	1,103	7	16.0	1,177	15	15.9	1,210	5	16.0
National	Core or More	1,510,179	68	20.9	1,494,425	47	21.4	1,424,252	54	21.6	1,367,777	33	21.4
	Less than Core	66,225	40	16.6	79,145	8	16.4	149,746	40	19.7	205,148	12	18.3
	Missing	46,708	39	16.5	49,542	21	18.1	49,114	28	17.9	50,187	13	17.8

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "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.

³ Zero years or no coursework information reported in the specified content area.

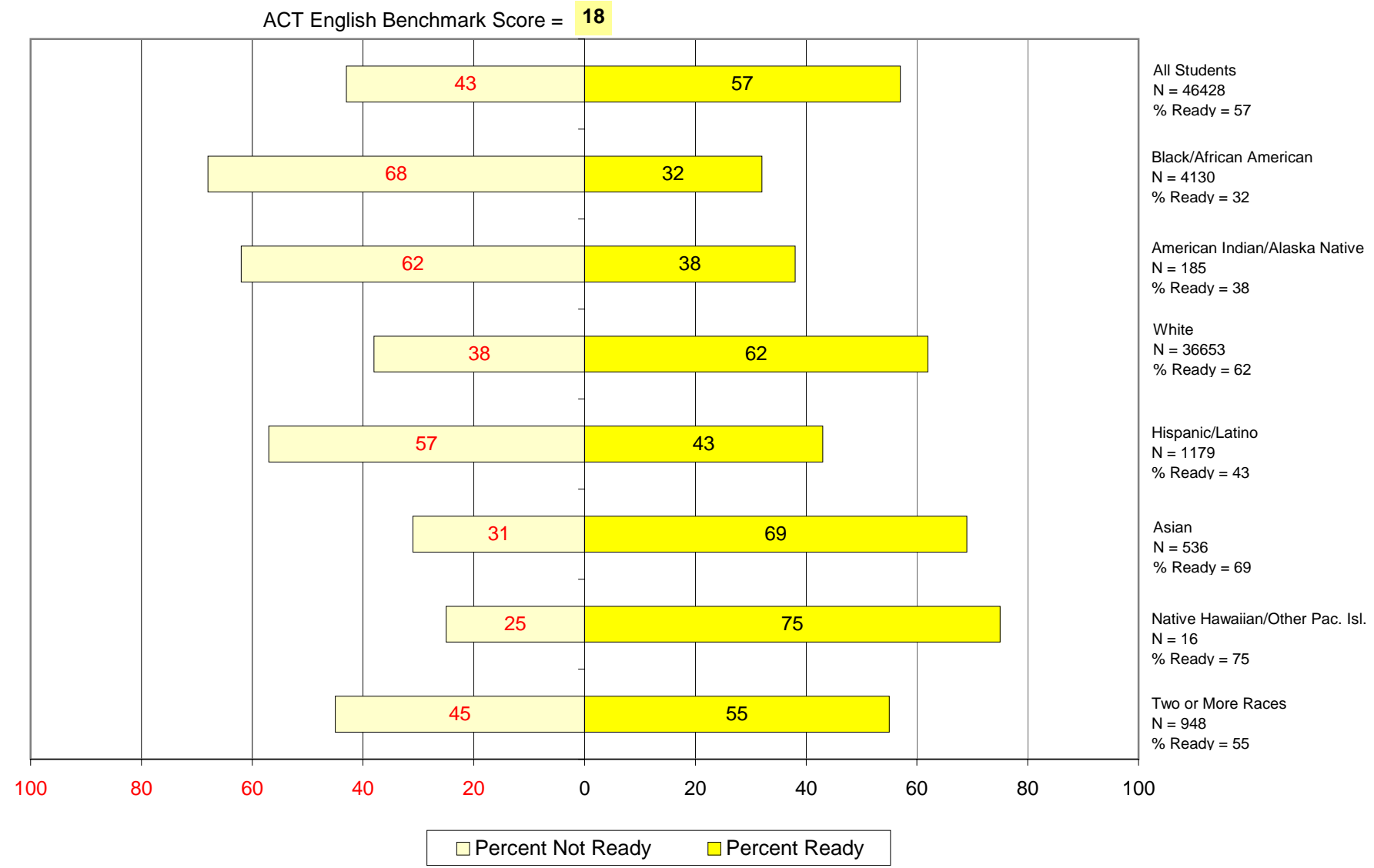
Section III

College Readiness and the Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

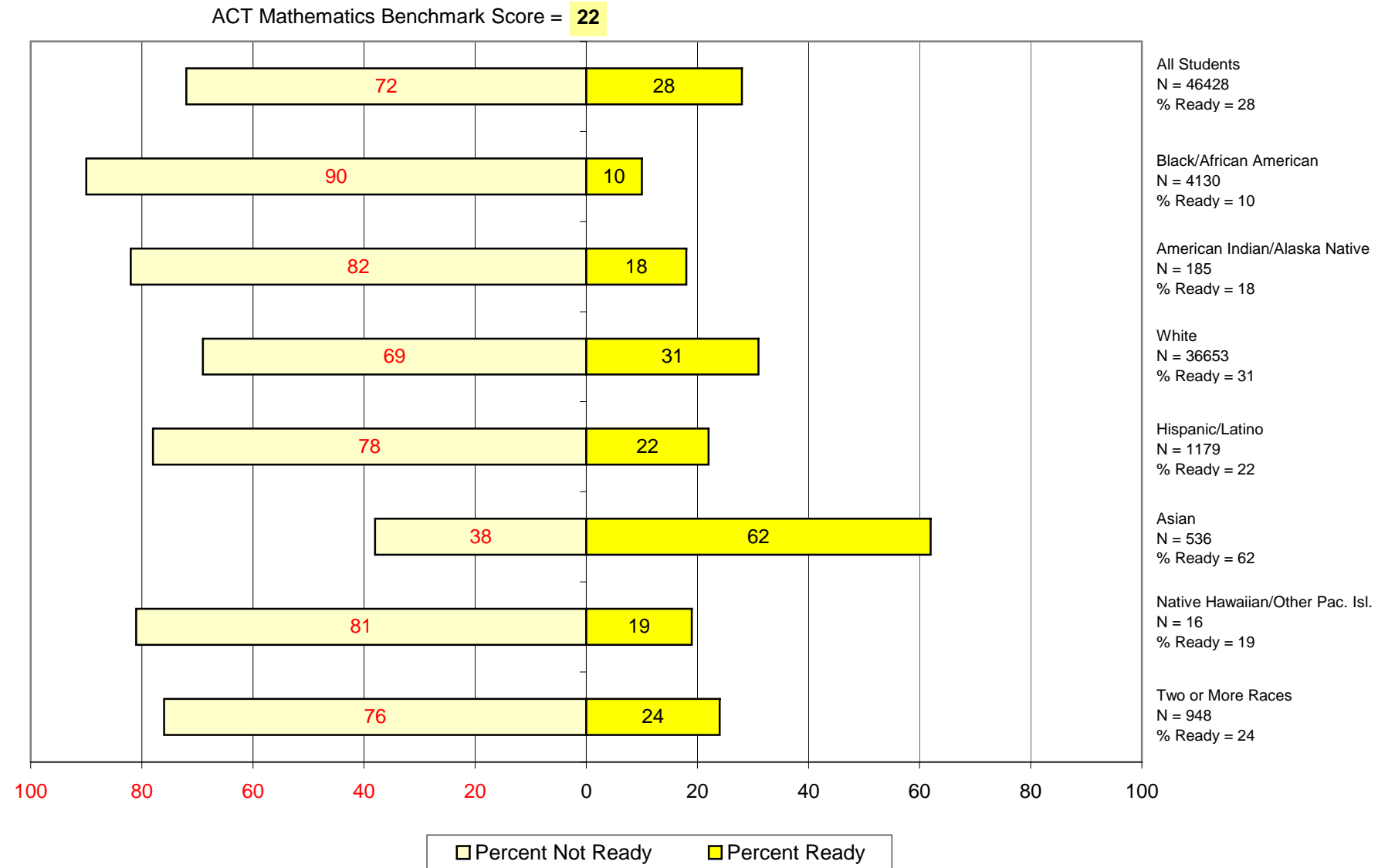
Total Students in Report: 46,428

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

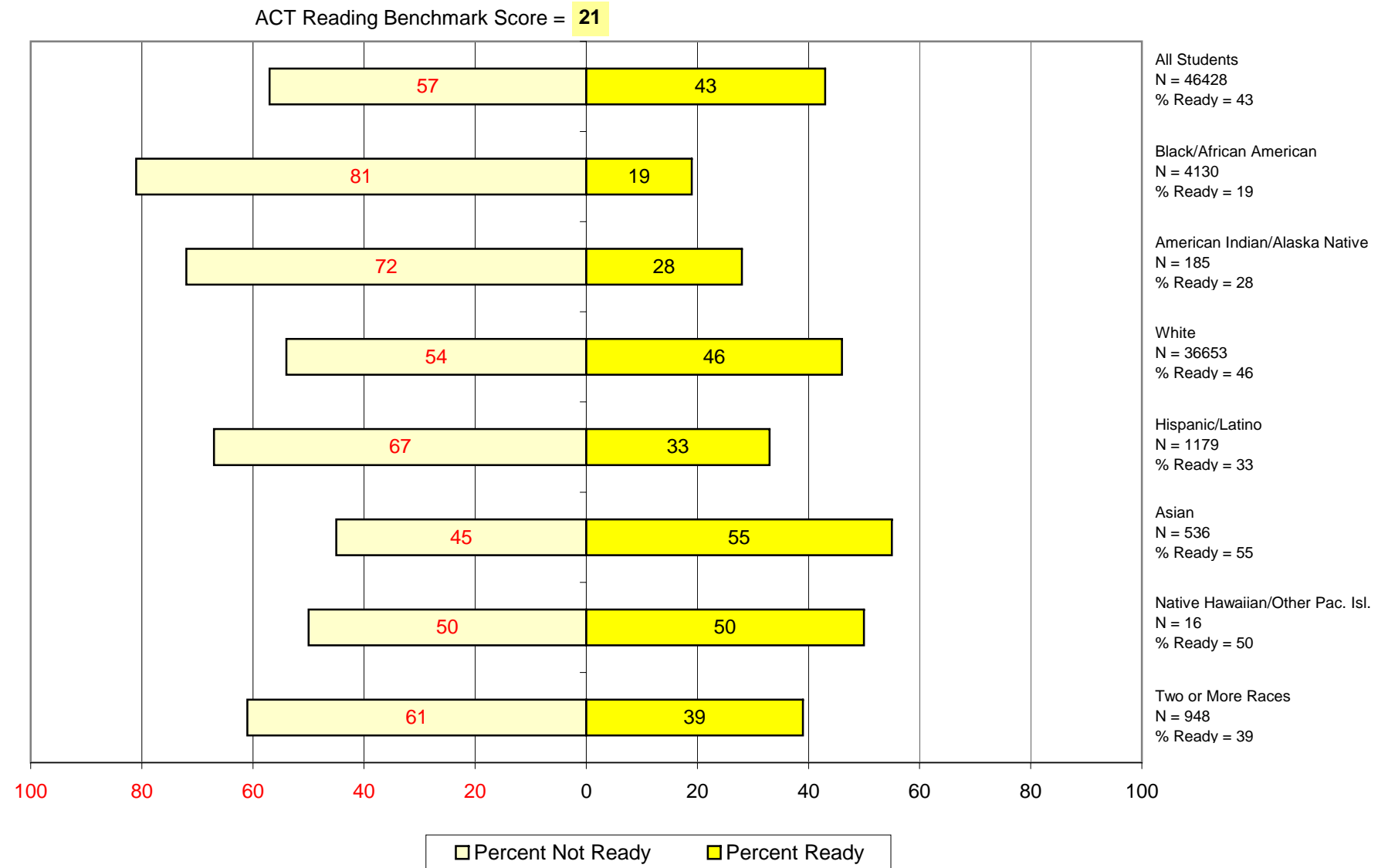
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 46,428

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING

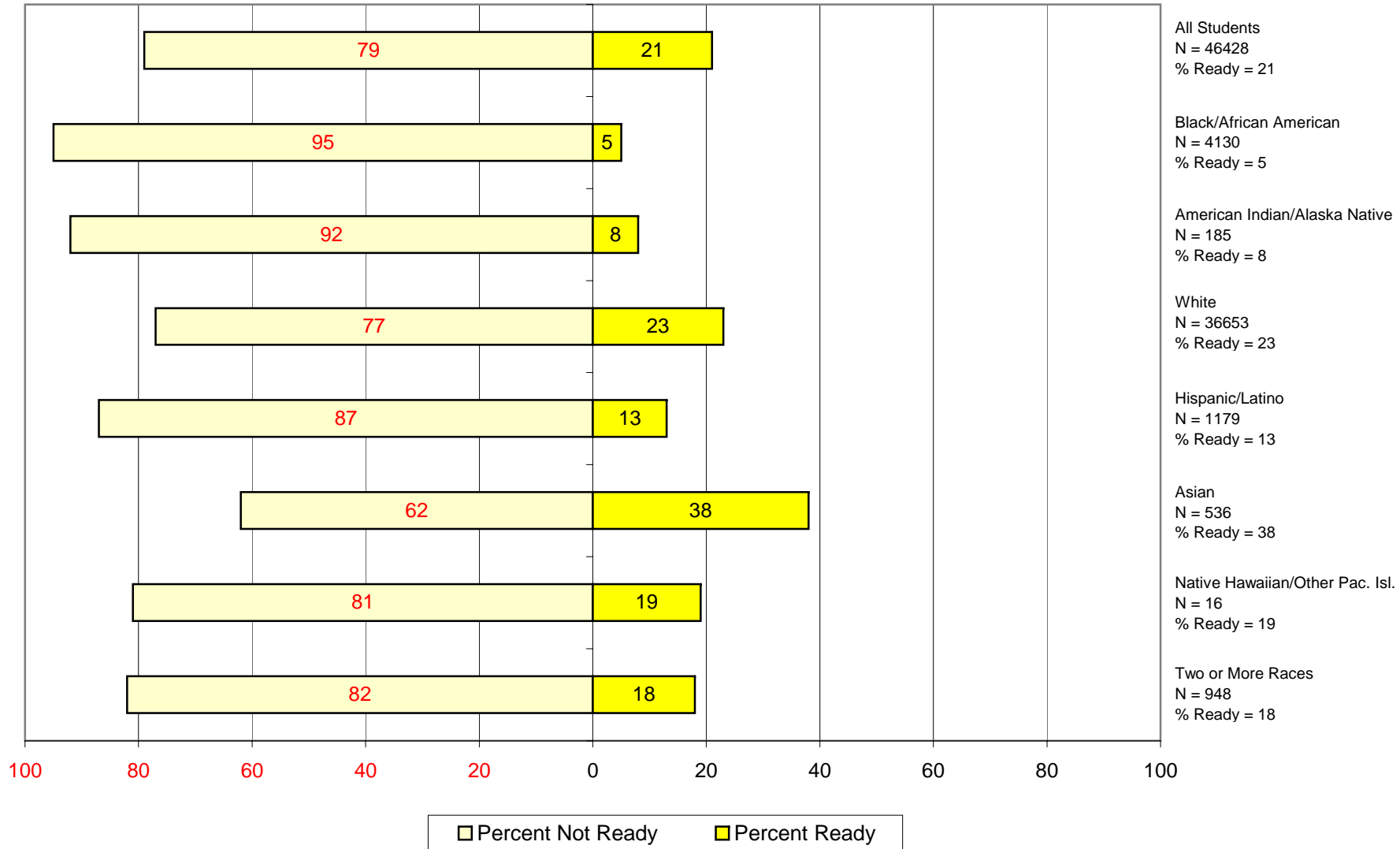


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 46,428

Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE

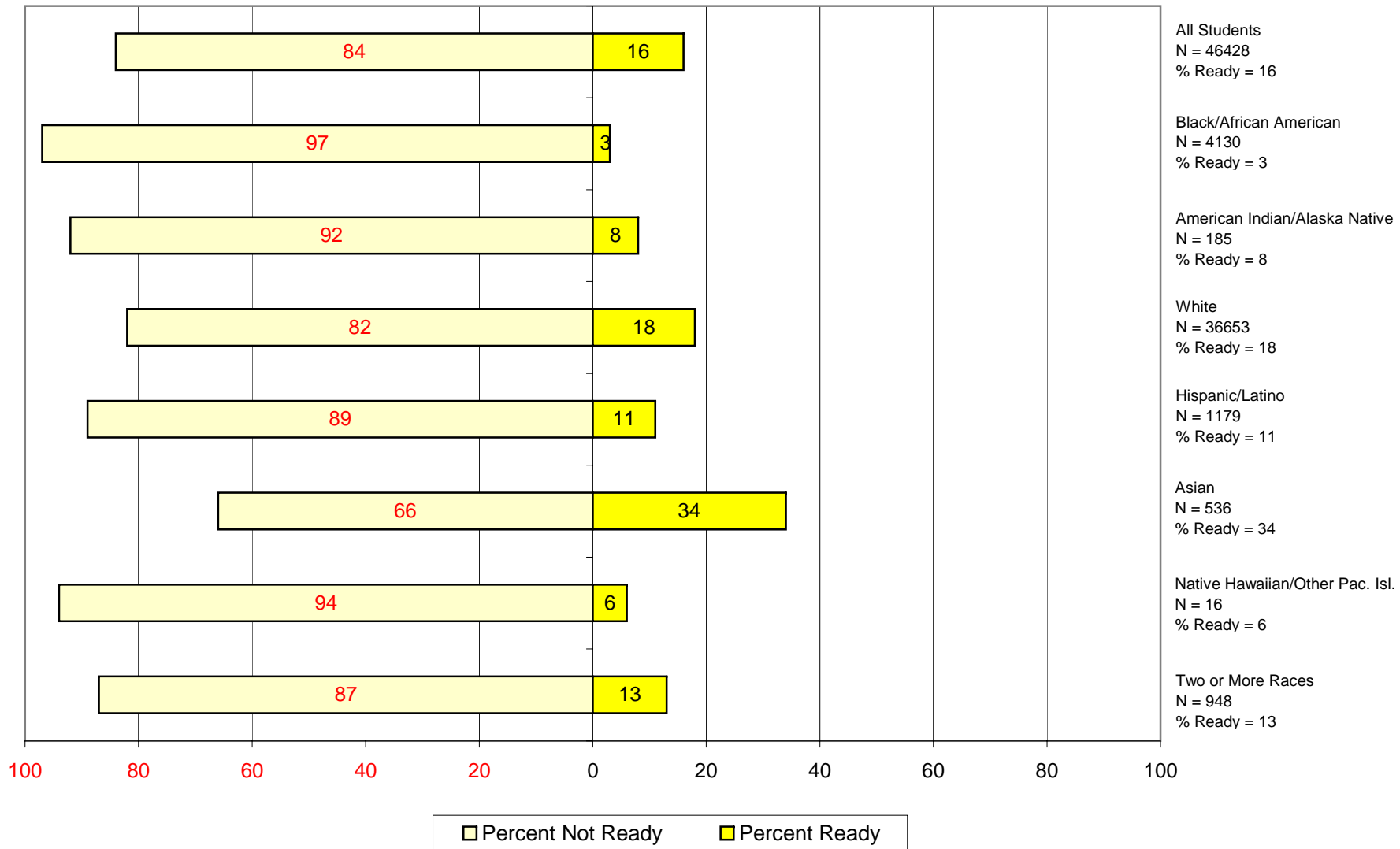
ACT Science Benchmark Score = **24**



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 46,428

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ALL FOUR



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 46,428

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 ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	6,591	14	21.9	7.1	2,792	12	21.4	7.1	3,787	16	22.3	6.8
Eng 9, Eng 10, Eng 11, Eng 12	35,607	77	19.3	4.5	17,363	77	18.7	4.4	18,148	77	19.8	4.3
Less than 4 years of English	3,213	7	14.8	-	1,868	8	14.3	-	1,320	6	15.5	-
Zero years / no English courses reported	1,017	2	14.2	-	581	3	13.6	-	423	2	15.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,340	3	22.7	7.0	654	3	23.5	7.7	682	3	22.0	6.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,226	5	21.4	5.7	921	4	22.0	6.2	1,304	6	21.0	5.4
Alg 1, Alg 2, Geom, & Trig	2,155	5	18.6	2.9	1,077	5	18.8	3.0	1,067	5	18.4	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	12,330	27	18.8	3.1	5,152	23	19.1	3.3	7,151	30	18.6	3.0
Other comb of 4 or more years of Math	10,738	23	22.7	7.0	5,427	24	23.3	7.5	5,299	22	22.0	6.4
Alg 1, Alg 2, & Geom	11,879	26	16.5	0.8	6,257	28	16.7	0.9	5,569	24	16.4	0.8
Other comb of 3 or 3.5 years of Math	2,586	6	18.1	2.4	1,300	6	18.5	2.7	1,277	5	17.6	2.0
Less than 3 years of Math	2,071	4	15.7	-	1,182	5	15.8	-	872	4	15.6	-
Zero years / no Math courses reported	1,103	2	16.0	-	634	3	16.0	-	457	2	16.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,184	3	21.2	3.0	589	3	20.8	2.9	594	3	21.5	2.9
Other comb of 4 or more years Social Science	15,334	33	21.3	3.1	7,188	32	21.2	3.3	8,116	34	21.4	2.8
US Hist, World Hist, & Am Gov	6,310	14	18.8	0.6	3,272	14	18.5	0.6	3,016	13	19.2	0.6
Other comb of 3 or 3.5 years of Social Science	13,165	28	20.6	2.4	6,068	27	20.3	2.4	7,060	30	20.8	2.2
Less than 3 years of Social Science	9,258	20	18.2	-	4,803	21	17.9	-	4,414	19	18.6	-
Zero years / no Social Science courses reported	1,177	3	15.9	-	684	3	15.6	-	478	2	16.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	14,216	31	20.9	3.9	7,377	33	21.5	4.6	6,817	29	20.3	3.2
Bio, Chem, Phys	2,469	5	22.2	5.2	1,171	5	22.8	5.9	1,294	5	21.6	4.5
Gen Sci ² , Bio, Chem	21,322	46	19.4	2.4	9,508	42	19.4	2.5	11,755	50	19.5	2.4
Other comb of 3 years of Natural Science	1,384	3	18.5	1.5	793	4	19.0	2.1	586	2	17.8	0.7
Less than 3 years of Natural Science	5,827	13	17.0	-	3,064	14	16.9	-	2,722	11	17.1	-
Zero years / no Natural Science courses reported	1,210	3	16.0	-	691	3	16.0	-	504	2	16.2	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 46,428

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	6,591	14	21.9	74	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	35,607	77	19.3	58	1,143,409	70	20.6	66
Less than 4 years of English	3,213	7	14.8	27	66,225	4	16.6	40
Zero years / no English courses reported	1,017	2	14.2	23	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,340	3	22.7	59	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,226	5	21.4	52	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	2,155	5	18.6	23	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	12,330	27	18.8	25	271,304	17	19.9	36
Other comb of 4 or more years of Math	10,738	23	22.7	58	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	11,879	26	16.5	7	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	2,586	6	18.1	20	78,953	5	19.9	35
Less than 3 years of Math	2,071	4	15.7	4	79,145	5	16.4	8
Zero years / no Math courses reported	1,103	2	16.0	7	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,184	3	21.2	50	47,284	3	22.5	59
Other comb of 4 or more years Social Science	15,334	33	21.3	52	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	6,310	14	18.8	34	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	13,165	28	20.6	47	445,631	27	21.1	51
Less than 3 years of Social Science	9,258	20	18.2	30	149,746	9	19.7	40
Zero years / no Social Science courses reported	1,177	3	15.9	15	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	14,216	31	20.9	30	686,167	42	22.1	39
Bio, Chem, Phys	2,469	5	22.2	39	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	21,322	46	19.4	17	476,294	29	20.1	21
Other comb of 3 years of Natural Science	1,384	3	18.5	13	45,296	3	19.6	20
Less than 3 years of Natural Science	5,827	13	17.0	6	205,148	13	18.3	12
Zero years / no Natural Science courses reported	1,210	3	16.0	5	50,187	3	17.8	13

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Total Students in Report: 46,428

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

Planned Educational Major ¹	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ²	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp
Agriculture & Natural Resources Conservation	1,343	3	17.6	428	6	15.7	824	2	18.8
Architecture	408	1	20.2	57	1	15.6	326	1	21.1
Area, Ethnic, & Multidisciplinary Studies	53	0	23.0	3	0	14.0	46	0	23.6
Arts: Visual & Performing	3,198	7	20.0	530	7	16.6	2,473	7	20.8
Business	2,966	6	19.9	316	4	16.1	2,560	7	20.4
Communications	853	2	20.5	93	1	16.7	731	2	21.1
Community, Family, & Personal Services	3,110	7	17.7	884	12	16.0	2,019	6	18.6
Computer Science & Mathematics	1,150	2	20.8	199	3	17.2	896	3	21.7
Education	3,104	7	19.9	151	2	15.6	2,854	8	20.2
Engineering	2,373	5	21.2	495	7	15.5	1,794	5	22.9
Engineering Technology & Drafting	1,186	3	19.6	333	5	15.9	806	2	21.2
English & Foreign Languages	537	1	23.1	43	1	18.8	466	1	23.6
Health Administration & Assisting	669	1	17.8	110	2	15.9	523	2	18.3
Health Sciences & Technologies	10,874	23	20.0	1,158	16	16.4	9,399	27	20.5
Philosophy, Religion, & Theology	236	1	21.6	16	0	18.4	206	1	22.0
Repair, Production, & Construction	1,388	3	16.6	937	13	16.0	383	1	18.1
Sciences: Biological & Physical	1,787	4	22.8	52	1	16.2	1,681	5	23.1
Social Sciences & Law	2,899	6	21.4	95	1	16.5	2,701	8	21.7
Undecided	4,791	10	19.9	788	11	15.8	3,555	10	21.0
No Response	3,503	8	15.3	531	7	14.0	502	1	15.9

¹Refer to the section header on page 25 for a description of educational major changes.

²2-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.

³Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 46,428

Table 4.2. Average ACT Composite Scores for Racial/Ethnic¹ Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	2,394	15.8	114	13.8	12	14.8	1,966	16.0	36	15.2
2-yr College Degree	4,825	16.0	397	14.3	27	15.4	3,830	16.3	122	14.3
Bachelors Degree	18,082	19.5	1,694	16.5	61	18.4	14,584	19.9	443	18.1
Graduate Study	5,631	22.4	370	18.0	19	16.9	4,624	22.9	128	21.9
Prof. Level Degree	11,032	22.0	986	18.1	30	19.7	8,592	22.5	303	20.1
Other	1,471	17.1	114	15.0	5	17.6	1,109	17.4	30	15.8
No Response	2,993	16.4	455	14.6	31	15.7	1,948	17.0	117	15.3

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	2,394	15.8	7	16.4	1	11.0	26	15.0	232	15.3
2-yr College Degree	4,825	16.0	17	16.1	0	.	79	16.0	353	15.3
Bachelors Degree	18,082	19.5	147	20.1	12	20.2	359	19.1	782	18.3
Graduate Study	5,631	22.4	72	23.2	1	18.0	118	20.9	299	20.9
Prof. Level Degree	11,032	22.0	239	25.5	2	23.0	257	21.1	623	20.8
Other	1,471	17.1	15	19.3	0	.	37	16.6	161	16.5
No Response	2,993	16.4	39	18.1	0	.	72	17.0	331	16.0

¹Refer to the section header on page 25 for a description of race/ethnicity changes.

Total Students in Report: 46,428

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	16,269	6,272	9,997	2	12	26	29	19	10	1
UNIVERSITY OF LOUISVILLE	Kentucky	10,371	3,166	7,205	4	15	27	28	17	9	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	9,975	2,934	7,041	3	16	31	29	15	6	0
EASTERN KENTUCKY UNIVERSITY	Kentucky	8,288	2,560	5,728	3	16	35	29	13	4	0
MOREHEAD STATE UNIVERSITY	Kentucky	3,841	1,218	2,623	4	18	35	27	12	4	0
MURRAY STATE UNIVERSITY	Kentucky	3,676	1,245	2,431	2	13	31	30	17	7	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	3,523	1,329	2,194	2	13	32	31	17	6	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	3,215	3,215	0	10	32	32	17	6	3	1
BELLARMINE UNIVERSITY	Kentucky	2,269	511	1,758	2	12	23	28	23	11	1
GEORGETOWN COLLEGE	Kentucky	1,742	352	1,390	3	12	25	29	19	11	1
CAMPBELLSVILLE UNIVERSITY	Kentucky	1,631	431	1,200	3	17	35	28	12	4	0
BLUEGRASS COMMUNITY & TECHNICAL COLLEGE	Kentucky	1,564	579	985	6	23	36	25	8	3	0
BEREA COLLEGE	Kentucky	1,426	494	932	3	15	35	27	15	4	0
SOMERSET COMMUNITY COLLEGE	Kentucky	1,289	591	698	5	28	41	19	6	1	0
KENTUCKY STATE UNIVERSITY	Kentucky	1,250	275	975	8	33	38	16	5	1	0
LINDSEY WILSON COLLEGE	Kentucky	1,208	258	950	4	21	38	25	11	2	0
UNIVERSITY OF CINCINNATI	Ohio	1,195	266	929	1	9	23	29	24	12	1
TRANSYLVANIA UNIVERSITY	Kentucky	1,144	225	919	1	6	14	24	29	24	2
SULLIVAN UNIVERSITY	Kentucky	1,054	305	749	8	30	35	20	6	1	0
ELIZABETHTOWN COMM AND TECH COLLEGE	Kentucky	1,052	446	606	5	23	37	26	8	1	0
CENTRE COLLEGE	Kentucky	1,029	191	838	1	2	8	20	29	35	5
PIKEVILLE COLLEGE	Kentucky	951	268	683	5	22	39	22	11	2	0
UNIVERSITY OF THE CUMBERLANDS	Kentucky	939	209	730	3	14	30	30	15	6	0
WEST KENTUCKY COMM & TECHNICAL COLLEGE	Kentucky	938	316	622	6	26	35	22	7	3	0
NCAA ELIGIBILITY CENTER	Indiana	928	369	559	4	15	28	30	16	6	1
STATE-NO COLLEGE PLANS	Iowa	891	891	0	23	44	26	6	1	0	0
ITT TECHNICAL INSTITUTE-LEXINGTON	Kentucky	872	212	660	9	33	36	15	5	1	0
OWENSBORO COMM & TECH COLL-MAIN CAMPUS	Kentucky	830	439	391	6	20	37	27	8	2	0
JEFFERSON COMM & TECH COLL-DOWNTOWN	Kentucky	803	266	537	12	34	35	15	4	0	0
MAYSVILLE COMM & TECH COLL-MOREHEAD	Kentucky	784	191	593	9	32	38	16	4	0	0
All Other Institutions		39,168	9,967	29,201	5	20	29	22	13	9	2
Total		124,115	39,991	84,124	4	18	30	25	14	8	1

Section V

Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 46,428

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity¹ and Gender for students who took ACT Writing

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	3,949	905,035	25.1	21.5	7.3	7.1	23.6	20.8
Black/African American	351	112,251	19.5	16.7	6.5	6.3	18.8	16.5
American Indian/Alaska Native	6	5,519	19.5	18.4	8.0	6.5	20.0	18.0
White	3,020	522,234	25.8	23.2	7.3	7.3	24.1	22.2
Hispanic/Latino	138	128,599	23.3	18.4	7.3	6.8	22.3	18.2
Asian	172	51,829	27.2	23.8	7.8	7.6	25.6	22.9
Native Hawaiian/Other Pac. Isl.	3	1,332	20.3	19.7	5.7	7.2	18.7	19.5
Two or more races	82	27,722	23.3	21.6	7.5	7.0	22.5	20.8
Prefer not/No Response	177	55,549	26.3	21.3	7.4	7.0	24.5	20.5
Males	1,728	399,206	25.3	21.3	7.1	6.8	23.6	20.3
Females	2,220	503,699	25.0	21.8	7.4	7.3	23.6	21.1
Missing	1	2,130	16.0	17.6	5.0	6.2	15.0	17.1

¹Refer to the section header on page 29 for a description of race/ethnicity changes.

