

ACT Profile Report - State

Graduating Class 2012
Kentucky



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2012 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 2012 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

17% 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: 46,289 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. 68% 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 3% of the cohort took less than three years of math courses. Of these students, 5% were college ready. 16% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 7% of these students were college ready. In comparison, 38% 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 12% of the cohort took less than three years of natural science courses. 7% of these students were college ready. In comparison, 25% 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 61% 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

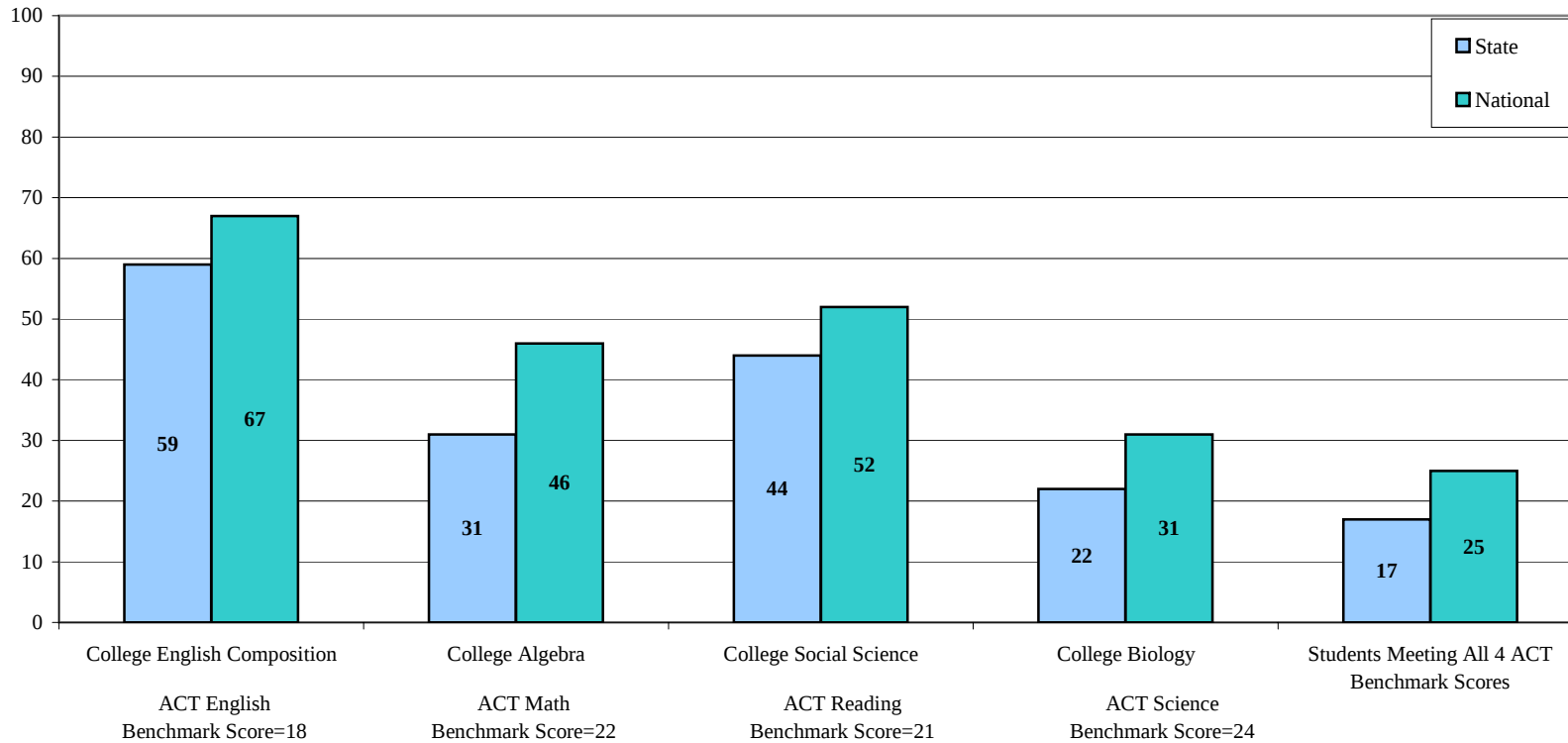
Executive Summary

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: 46,289

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: 46,289

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
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
2012	46,289	1,666,017	59	67	31	46	44	52	22	31	17	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
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
2012	46,289	1,666,017	19.5	20.5	19.4	21.1	20.2	21.3	19.8	20.9	19.8	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
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
2012	1,666,017	20.5	21.1	21.3	20.9	21.1

Total Students in Report: 46,289

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More ¹	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
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
2012	31,591	13,305	68	29	20.7	17.1	20.2	17.8	21.2	18.2	20.7	18.1	20.8	17.9

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.

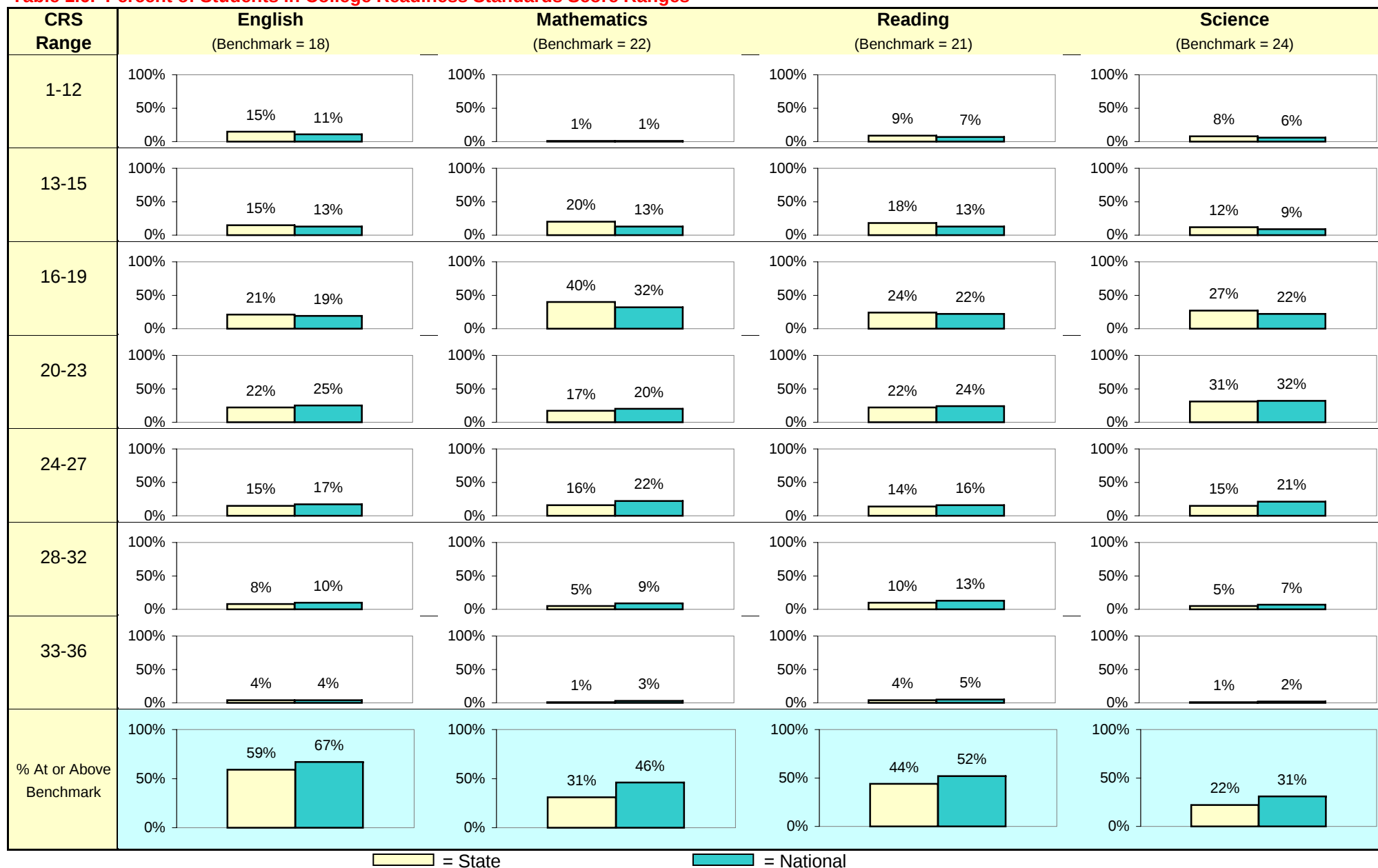
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	31,728	100	20.9	45,419	100	19.4	45,763	100	19.4	46,428	100	19.6	46,289	100	19.8
Black/African American	2,496	8	17.3	3,774	8	16.3	4,051	9	16.4	4,130	9	16.5	3,969	9	16.7
American Indian/Alaska Native	99	0	19.3	691	2	15.9	178	0	17.2	185	0	17.3	176	0	17.5
White	26,499	84	21.2	35,691	79	20.0	36,245	79	19.8	36,653	79	20.1	36,541	79	20.3
Hispanic/Latino	455	1	19.9	1,005	2	17.3	915	2	17.9	1,179	3	18.2	1,612	3	18.4
Asian	402	1	22.3	566	1	21.3	549	1	22.7	536	1	22.6	579	1	22.0
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	16	0	19.8	75	0	18.6
Two or more races	407	1	20.2	881	2	19.1	821	2	19.0	948	2	19.2	1,234	3	20.0
Prefer not to respond/No response	1,370	4	21.7	2,811	6	17.8	3,004	7	18.2	2,781	6	18.1	2,103	5	18.8

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

Total Students in Report: 46,289

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



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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: 46,289

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	97	100	64	100	261	100	107	100	17	100	36
35	553	100	133	100	281	99	147	100	81	100	35
34	526	99	172	100	465	99	171	99	169	100	34
33	522	97	312	99	657	98	181	99	240	99	33
32	570	96	257	99	830	96	201	99	394	99	32
31	655	95	281	98	922	95	371	98	566	98	31
30	852	94	335	97	896	93	455	97	689	97	30
29	827	92	617	97	983	91	577	96	852	95	29
28	772	90	734	95	1,033	89	860	95	1,125	94	28
27	1,500	88	1,223	94	1,448	86	1,190	93	1,262	91	27
26	1,371	85	1,668	91	1,301	83	1,334	91	1,537	88	26
25	1,663	82	1,976	87	1,424	80	2,043	88	1,837	85	25
24	2,305	79	2,341	83	2,331	77	2,607	84	2,025	81	24
23	2,196	74	2,227	78	1,795	72	3,129	78	2,357	77	23
22	2,287	69	2,081	73	2,784	68	2,584	71	2,719	72	22
21	2,973	64	1,615	69	3,000	62	4,056	66	3,119	66	21
20	2,867	58	1,944	65	2,401	56	4,618	57	3,292	59	20
19	2,802	51	2,583	61	3,313	51	4,077	47	3,400	52	19
18	1,974	45	3,726	56	3,131	44	3,298	38	3,607	45	18
17	2,017	41	4,651	48	2,298	37	2,521	31	3,473	37	17
16	2,752	37	7,685	37	2,338	32	2,402	25	3,355	29	16
15	2,863	31	5,893	21	3,550	27	2,113	20	3,068	22	15
14	2,584	25	2,505	8	3,283	19	1,939	16	2,813	15	14
13	1,652	19	1,002	3	1,620	12	1,696	11	2,266	9	13
12	1,584	15	143	1	2,185	9	1,435	8	1,475	4	12
11	1,578	12	96	1	1,106	4	937	5	466	1	11
10	1,781	9	16	1	363	1	899	3	68	1	10
9	918	5	0	1	158	1	206	1	13	1	9
8	837	3	4	1	79	1	82	1	2	1	8
7	297	1	0	1	28	1	39	1	2	1	7
6	96	1	3	1	11	1	8	1	0	1	6
5	13	1	0	1	10	1	2	1	0	1	5
4	3	1	1	1	3	1	2	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	1	1	0	1	1	1	0	1	0	1	2
1	1	1	1	1	0	1	1	1	0	1	1
Avg (SD)	19.5 (6.5)		19.4 (4.7)		20.2 (6.0)		19.8 (5.0)		19.8 (5.1)		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: 46,289

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	1,269	100	474	100	856	100	955	100	1,279	100	208	100	225	100	18
17	1,623	97	592	99	1,555	98	1,458	98	1,297	97	238	100	33	100	17
16	1,700	94	2,491	98	2,337	95	1,953	95	707	94	685	99	794	99	16
15	1,345	90	2,205	92	1,752	90	2,351	91	1,894	93	1,007	98	1,251	98	15
14	2,365	87	2,737	88	2,206	86	2,686	85	2,128	89	2,406	95	2,353	95	14
13	1,589	82	3,416	82	3,642	81	2,939	80	3,582	84	4,234	90	2,303	90	13
12	3,169	79	4,184	74	4,256	73	3,482	73	3,324	76	3,122	81	5,162	85	12
11	3,735	72	5,354	65	3,687	64	3,550	66	4,729	69	4,990	74	3,764	74	11
10	5,106	64	3,975	54	4,168	56	4,101	58	3,480	59	8,249	64	7,096	66	10
9	4,127	53	5,874	45	4,463	47	4,325	49	3,188	52	6,357	46	5,465	50	9
8	4,831	44	3,935	32	6,471	38	4,499	40	6,198	45	5,933	32	8,179	39	8
7	3,840	33	3,438	24	4,650	24	3,555	30	7,936	31	3,826	19	2,039	21	7
6	3,559	25	2,860	16	2,834	13	5,284	23	3,798	14	2,562	11	3,845	16	6
5	3,050	17	2,290	10	1,824	7	2,362	11	1,937	6	1,639	5	1,911	8	5
4	2,949	11	1,625	5	1,009	3	1,992	6	514	2	92	2	607	4	4
3	1,629	4	686	2	436	1	564	2	219	1	570	2	867	3	3
2	373	1	128	1	119	1	220	1	66	1	13	1	154	1	2
1	30	1	25	1	24	1	13	1	13	1	158	1	241	1	1
Avg (SD)	9.5 (3.9)		10.1 (3.5)		10.2 (3.5)		9.9 (3.8)		9.9 (3.4)		9.8 (2.8)		9.5 (3.0)		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	23	24	23	23
Q2 (50th Percentile)	19	18	19	20	19
Q1 (25th Percentile)	15	16	15	16	16

Total Students in Report: 46,289

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	46,289	68	20.8	17.9
	Black/African American	3,969	59	17.6	15.6
	American Indian/Alaska Native	176	57	18.4	16.3
	White	36,541	70	21.2	18.4
	Hispanic/Latino	1,612	65	19.4	16.7
	Asian	579	72	23.2	18.9
	Native Hawaiian/Other Pac. Isl.	75	61	19.4	17.4
	Two or more races	1,234	71	20.6	18.4
	Prefer not/No Response	2,103	55	20.4	17.2
National	All Students	1,666,017	76	21.8	19.1
	Black/African American	222,237	72	17.5	15.9
	American Indian/Alaska Native	13,523	66	19.3	16.9
	White	983,148	77	23.0	20.3
	Hispanic/Latino	234,456	73	19.5	17.4
	Asian	68,080	81	24.1	21.8
	Native Hawaiian/Other Pac. Isl.	4,545	74	20.4	18.3
	Two or more races	55,500	76	22.0	19.6
	Prefer not/No Response	84,528	68	22.5	19.2

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	19.5	19.4	20.2	19.8	19.8
	Black/African American	15.6	16.9	16.8	17.1	16.7
	American Indian/Alaska Native	16.6	17.5	18.2	17.4	17.5
	White	20.0	19.7	20.7	20.2	20.3
	Hispanic/Latino	17.4	18.4	18.6	18.6	18.4
	Asian	20.9	23.5	21.1	21.8	22.0
	Native Hawaiian/Other Pac. Isl.	18.1	18.3	18.8	19.0	18.6
	Two or more races	19.7	19.2	20.4	20.0	20.0
	Prefer not/No Response	18.0	18.7	19.2	18.8	18.8
National	All Students	20.5	21.1	21.3	20.9	21.1
	Black/African American	16.0	17.3	17.2	17.2	17.0
	American Indian/Alaska Native	17.1	18.5	18.7	18.7	18.4
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.7	19.4	19.0	18.9	18.9
	Asian	22.7	25.2	22.9	23.2	23.6
	Native Hawaiian/Other Pac. Isl.	18.9	20.4	19.8	19.7	19.8
	Two or more races	21.0	21.1	21.8	21.2	21.4
	Prefer not/No Response	20.7	21.3	21.5	20.9	21.3

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

Total Students in Report: 46,289

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	1,698	4	681	1	1,664	4	606	1
	28 to 32	3,676	8	2,224	5	4,664	10	2,464	5
	24 to 27	6,839	15	7,208	16	6,504	14	7,174	15
	20 to 23	10,323	22	7,867	17	9,980	22	14,387	31
	16 to 19	9,545	21	18,645	40	11,080	24	12,298	27
	13 to 15	7,099	15	9,400	20	8,453	18	5,748	12
	01 to 12	7,109	15	264	1	3,944	9	3,612	8
National	33 to 36	74,039	4	50,719	3	81,737	5	30,082	2
	28 to 32	167,405	10	149,540	9	223,134	13	123,485	7
	24 to 27	291,143	17	369,818	22	262,453	16	355,144	21
	20 to 23	414,094	25	332,787	20	399,794	24	532,341	32
	16 to 19	318,585	19	538,042	32	366,975	22	373,233	22
	13 to 15	210,405	13	216,778	13	220,083	13	158,083	9
	01 to 12	190,346	11	8,333	1	111,841	7	93,649	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	22,657	49	18.8	19.7	19.8	20.0	19.7
	Females	23,533	51	20.1	19.1	20.6	19.7	20.0
	Missing	99	0	14.5	16.9	16.6	16.2	16.2
National	Males	761,554	46	20.2	21.7	21.2	21.4	21.2
	Females	900,625	54	20.9	20.6	21.4	20.5	21.0
	Missing	3,838	0	16.1	17.8	17.6	17.8	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	55	33	41	24	19
	Females	63	29	47	20	16
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 46,289

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	31,591	67	20.7	38	20.2	51	21.2	27	20.7	22	20.8
	Less than Core	13,305	43	17.1	18	17.8	30	18.2	12	18.1	9	17.9
	Missing ³	1,393	30	15.1	10	16.6	20	16.7	7	16.7	4	16.4
National	Core or More	1,259,744	72	21.3	51	21.8	57	22.0	35	21.6	29	21.8
	Less than Core	355,849	51	18.3	29	19.1	38	19.4	19	19.1	14	19.1
	Missing	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

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	42,205	62	19.9	43,667	33	19.6	36,434	48	20.7	39,674	25	20.3
	Less than Core	3,000	27	14.9	1,475	5	15.9	8,614	31	18.4	5,365	7	17.2
	Missing ³	1,084	32	15.5	1,147	10	16.7	1,241	21	16.8	1,250	7	16.8
National	Core or More	1,558,562	68	20.8	1,550,768	48	21.4	1,471,658	54	21.6	1,425,217	33	21.4
	Less than Core	64,748	41	16.5	69,741	8	16.6	149,266	40	19.7	194,661	13	18.4
	Missing	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9

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.

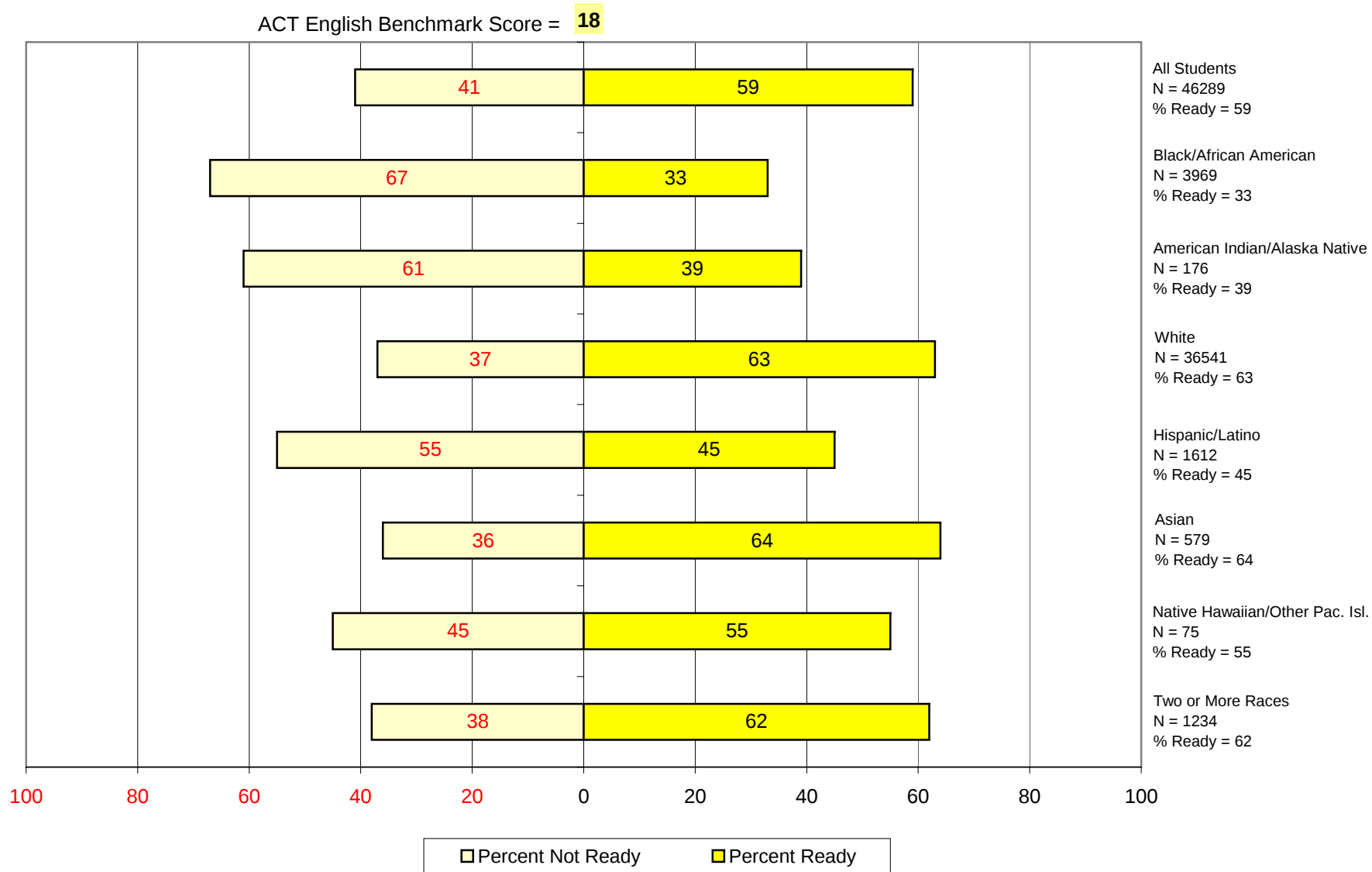
Section III

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.

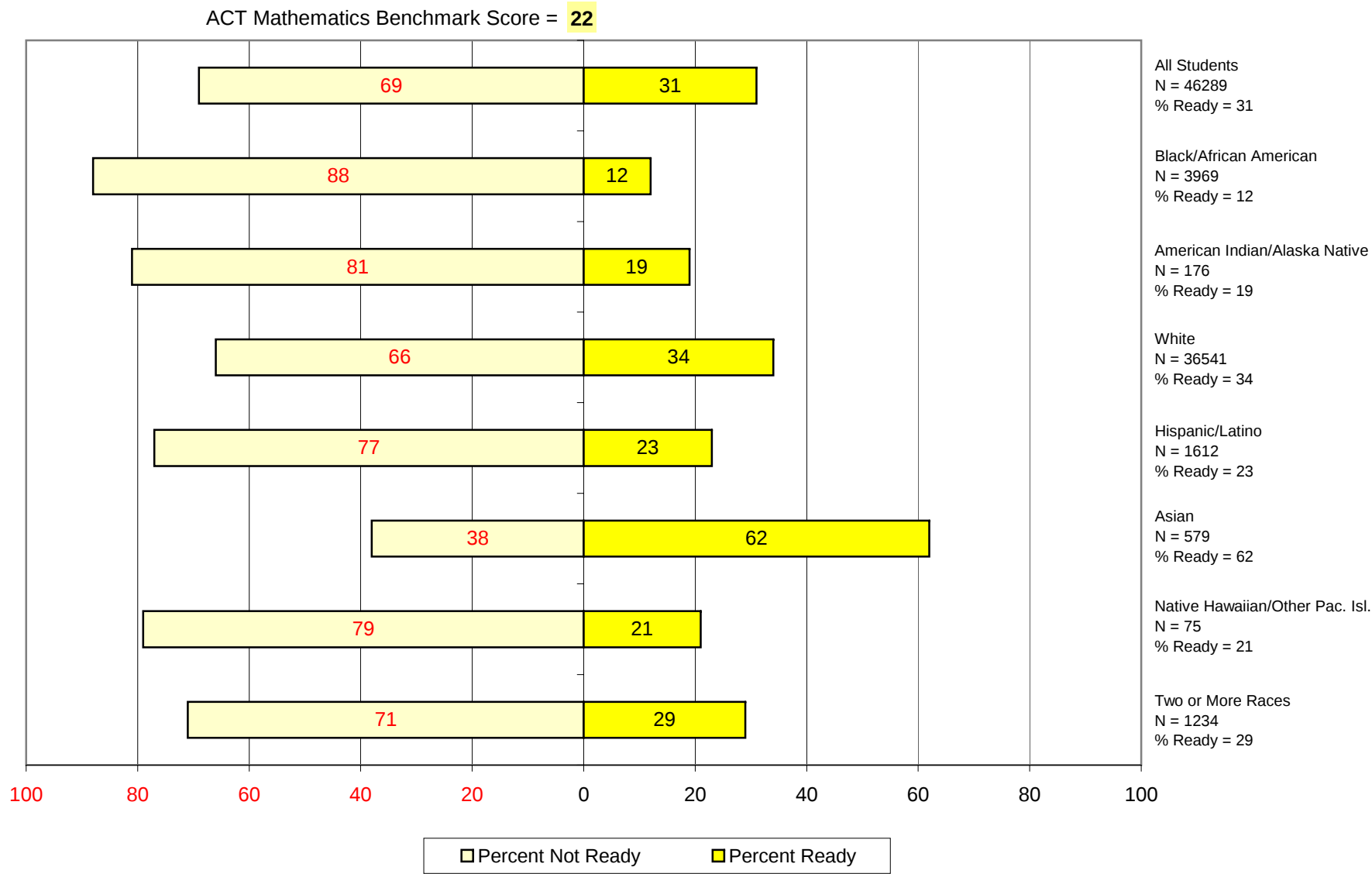
Total Students in Report: 46,289

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.

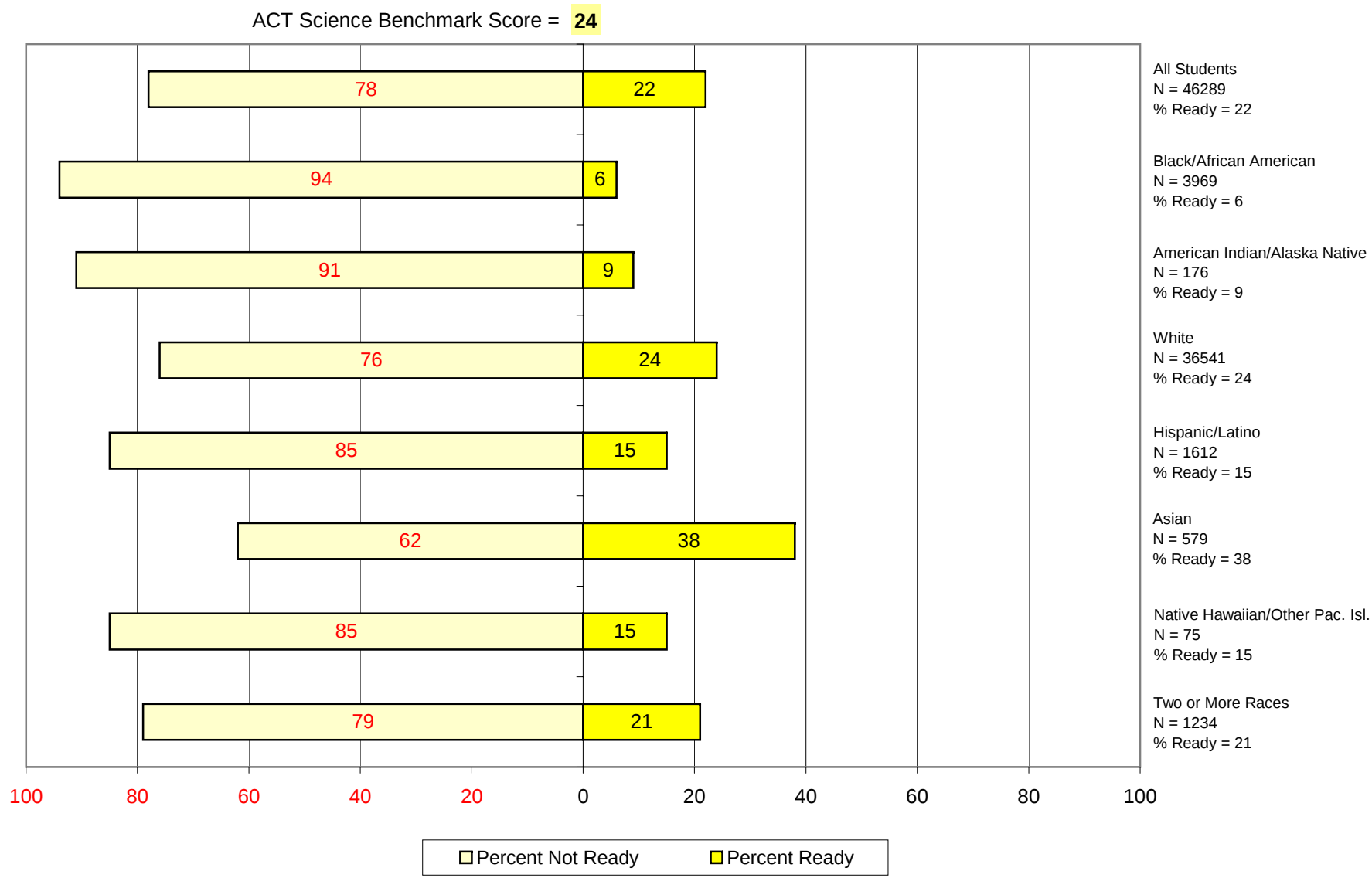
Total Students in Report: 46,289

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.

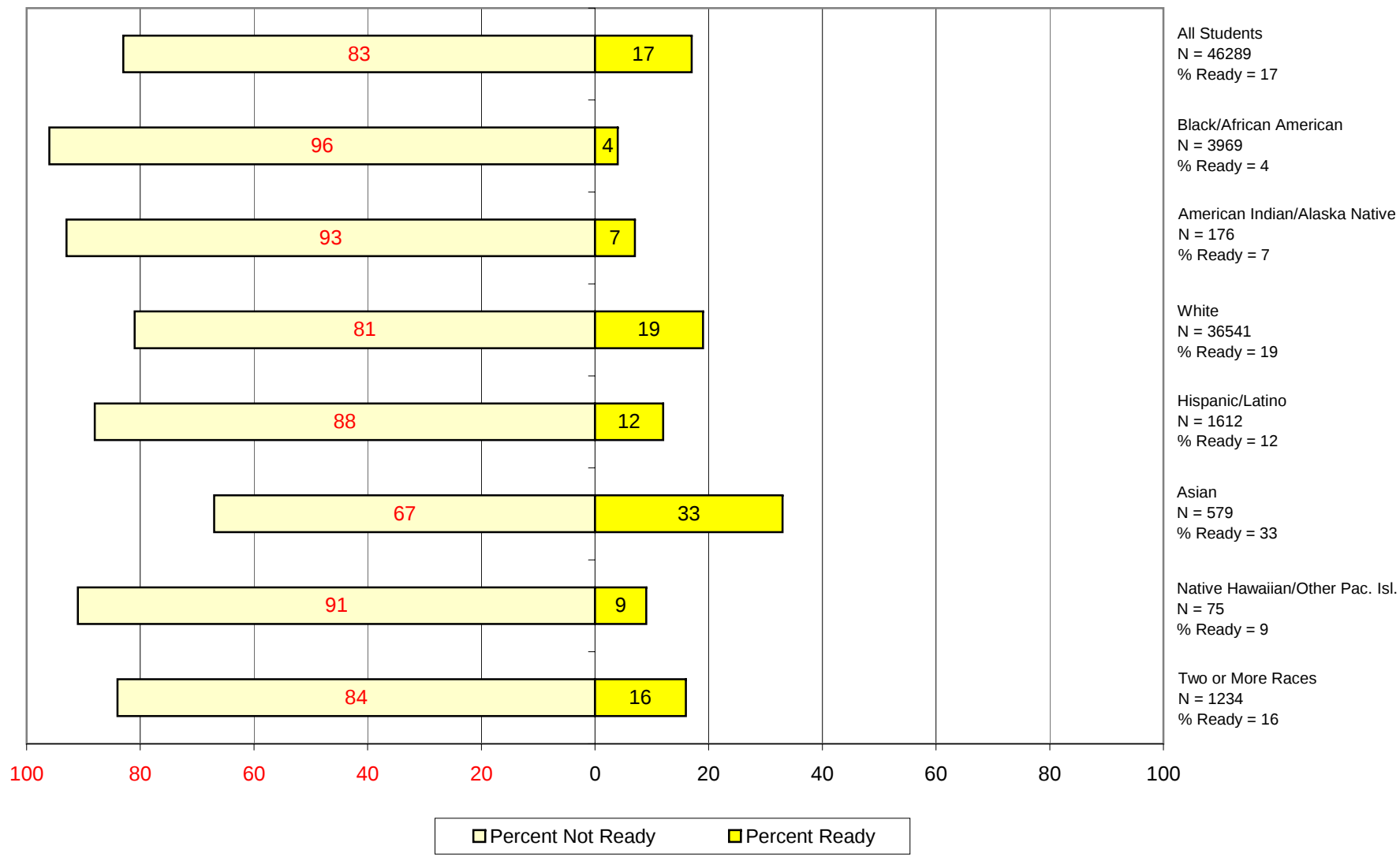
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE



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

Total Students in Report: 46,289

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: 46,289

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	6,821	15	22.1	7.2	2,862	13	21.6	6.9	3,955	17	22.5	7.4
Eng 9, Eng 10, Eng 11, Eng 12	35,384	76	19.5	4.6	17,418	77	18.9	4.2	17,903	76	20.0	4.9
Less than 4 years of English	3,000	6	14.9	-	1,772	8	14.7	-	1,213	5	15.1	-
Zero years / no English courses reported	1,084	2	15.5	-	605	3	15.4	-	462	2	15.7	-
MATHEMATICS COURSE PATTERN												
	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	1,675	4	22.2	6.3	809	4	22.6	6.6	858	4	21.8	6.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,828	6	21.0	5.1	1,131	5	21.4	5.4	1,692	7	20.6	4.8
Alg 1, Alg 2, Geom, & Trig	2,442	5	18.2	2.3	1,245	5	18.4	2.4	1,193	5	18.0	2.2
Alg 1, Alg 2, Geom, & Other Adv Math	14,449	31	18.7	2.8	6,284	28	18.9	2.9	8,153	35	18.5	2.7
Other comb of 4 or more years of Math	12,234	26	22.5	6.6	6,197	27	23.1	7.1	6,027	26	21.9	6.1
Alg 1, Alg 2, & Geom	7,355	16	16.5	0.6	4,105	18	16.7	0.7	3,221	14	16.3	0.5
Other comb of 3 or 3.5 years of Math	2,684	6	17.9	2.0	1,367	6	18.2	2.2	1,309	6	17.7	1.9
Less than 3 years of Math	1,475	3	15.9	-	870	4	16.0	-	599	3	15.8	-
Zero years / no Math courses reported	1,147	2	16.7	-	649	3	16.9	-	481	2	16.5	-
SOCIAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹
US Hist, World Hist, Am Gov, & Other Hist	1,216	3	21.2	2.8	631	3	20.6	2.5	585	2	21.7	2.9
Other comb of 4 or more years Social Science	16,171	35	21.3	2.9	7,579	33	21.1	3.0	8,571	36	21.5	2.7
US Hist, World Hist, & Am Gov	6,239	13	18.9	0.5	3,245	14	18.5	0.4	2,987	13	19.4	0.6
Other comb of 3 or 3.5 years of Social Science	12,808	28	20.8	2.4	5,928	26	20.5	2.4	6,861	29	21.0	2.2
Less than 3 years of Social Science	8,614	19	18.4	-	4,568	20	18.1	-	4,013	17	18.8	-
Zero years / no Social Science courses reported	1,241	3	16.8	-	706	3	16.8	-	516	2	17.0	-
NATURAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹
Gen Sci ² , Bio, Chem, & Phys	15,370	33	20.8	3.6	7,931	35	21.4	4.2	7,415	32	20.3	3.0
Bio, Chem, Phys	2,820	6	22.1	4.9	1,294	6	22.8	5.6	1,525	6	21.6	4.3
Gen Sci ² , Bio, Chem	20,026	43	19.7	2.5	8,903	39	19.7	2.5	11,092	47	19.8	2.5
Other comb of 3 years of Natural Science	1,458	3	18.4	1.2	842	4	18.7	1.5	608	3	18.0	0.7
Less than 3 years of Natural Science	5,365	12	17.2	-	2,979	13	17.2	-	2,368	10	17.3	-
Zero years / no Natural Science courses reported	1,250	3	16.8	-	708	3	17.1	-	525	2	16.6	-

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: 46,289

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	6,821	15	22.1	75	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	35,384	76	19.5	59	1,178,400	71	20.5	67
Less than 4 years of English	3,000	6	14.9	27	64,748	4	16.5	41
Zero years / no English courses reported	1,084	2	15.5	32	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	1,675	4	22.2	56	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,828	6	21.0	47	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	2,442	5	18.2	21	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	14,449	31	18.7	24	279,658	17	19.9	36
Other comb of 4 or more years of Math	12,234	26	22.5	57	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	7,355	16	16.5	7	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	2,684	6	17.9	19	82,509	5	19.9	35
Less than 3 years of Math	1,475	3	15.9	5	69,741	4	16.6	8
Zero years / no Math courses reported	1,147	2	16.7	10	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	1,216	3	21.2	50	47,179	3	22.3	59
Other comb of 4 or more years Social Science	16,171	35	21.3	53	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	6,239	13	18.9	35	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	12,808	28	20.8	48	452,172	27	21.2	51
Less than 3 years of Social Science	8,614	19	18.4	31	149,266	9	19.7	40
Zero years / no Social Science courses reported	1,241	3	16.8	21	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	15,370	33	20.8	30	740,499	44	21.9	39
Bio, Chem, Phys	2,820	6	22.1	40	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	20,026	43	19.7	19	466,992	28	20.0	22
Other comb of 3 years of Natural Science	1,458	3	18.4	13	45,992	3	19.5	20
Less than 3 years of Natural Science	5,365	12	17.2	7	194,661	12	18.4	13
Zero years / no Natural Science courses reported	1,250	3	16.8	7	46,139	3	17.9	14

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: 46,289

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	1,164	3	18.3	239	4	15.8	861	2	19.2
Architecture	513	1	20.6	60	1	16.0	435	1	21.3
Area, Ethnic, & Multidisciplinary Studies	71	0	19.9	13	0	15.2	54	0	21.5
Arts: Visual & Performing	3,519	8	19.7	503	9	16.4	2,815	8	20.5
Business	2,877	6	20.0	336	6	16.3	2,441	7	20.6
Communications	813	2	21.0	50	1	16.8	736	2	21.4
Community, Family, & Personal Services	2,521	5	17.6	649	11	16.2	1,702	5	18.3
Computer Science & Mathematics	1,112	2	21.2	152	3	17.1	927	3	22.0
Education	3,064	7	20.1	147	3	16.0	2,843	8	20.3
Engineering	2,594	6	22.1	316	5	16.1	2,183	6	23.2
Engineering Technology & Drafting	770	2	18.5	229	4	15.9	488	1	19.9
English & Foreign Languages	571	1	23.5	20	0	18.5	533	1	23.8
Health Administration & Assisting	1,122	2	17.6	176	3	15.9	898	2	18.0
Health Sciences & Technologies	10,803	23	20.2	825	14	16.6	9,699	27	20.6
Philosophy, Religion, & Theology	246	1	21.5	20	0	17.3	216	1	21.9
Repair, Production, & Construction	1,560	3	16.6	893	16	16.1	526	1	17.8
Sciences: Biological & Physical	1,807	4	22.9	49	1	17.1	1,714	5	23.0
Social Sciences & Law	3,495	8	21.1	149	3	16.9	3,241	9	21.4
Undecided	4,422	10	20.4	537	9	16.4	3,450	9	21.3
No Response	3,031	7	16.1	315	5	14.3	454	1	16.3

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: 46,289

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	1,677	16.0	97	14.2	15	14.5	1,379	16.2	49	15.7
2-yr College Degree	4,069	16.3	337	14.5	17	14.4	3,212	16.5	162	15.5
Bachelors Degree	21,263	19.5	1,982	16.4	76	18.4	16,992	19.9	692	18.2
Graduate Study	5,413	22.8	363	18.7	14	19.1	4,403	23.3	162	20.5
Prof. Level Degree	9,662	22.5	809	18.6	33	19.4	7,446	23.0	365	20.8
Other	1,348	16.5	82	14.8	10	14.4	1,052	16.8	70	15.0
No Response	2,857	17.2	299	15.0	11	16.3	2,057	17.6	112	15.7

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	1,677	16.0	12	14.8	2	14.5	34	17.4	89	15.4
2-yr College Degree	4,069	16.3	22	14.8	5	14.8	74	16.9	240	15.9
Bachelors Degree	21,263	19.5	182	19.5	36	18.4	554	19.1	749	18.7
Graduate Study	5,413	22.8	92	22.8	14	19.1	138	21.9	227	21.8
Prof. Level Degree	9,662	22.5	221	25.5	11	22.7	352	21.8	425	21.8
Other	1,348	16.5	11	16.1	4	14.5	19	17.7	100	16.5
No Response	2,857	17.2	39	19.8	3	16.7	63	18.3	273	16.6

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

Total Students in Report: 46,289

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	15,498	5,793	9,705	2	10	25	29	21	11	1
UNIVERSITY OF LOUISVILLE	Kentucky	10,088	3,082	7,006	3	12	26	28	19	10	1
WESTERN KENTUCKY UNIVERSITY	Kentucky	9,663	2,904	6,759	3	14	30	29	16	7	1
EASTERN KENTUCKY UNIVERSITY	Kentucky	8,253	2,693	5,560	3	16	34	29	14	4	0
MOREHEAD STATE UNIVERSITY	Kentucky	4,380	1,396	2,984	3	14	33	29	16	5	0
MURRAY STATE UNIVERSITY	Kentucky	3,882	1,298	2,584	2	12	29	30	18	8	1
NORTHERN KENTUCKY UNIVERSITY	Kentucky	3,343	1,137	2,206	2	12	29	31	18	7	1
STATE-COLLEGE/NO REPORTS NOW	Iowa	2,524	2,524	0	9	31	34	17	6	2	1
BELLARMINE UNIVERSITY	Kentucky	2,199	549	1,650	2	9	20	30	26	12	1
CAMPBELLSVILLE UNIVERSITY	Kentucky	1,671	442	1,229	3	17	34	29	13	5	0
BLUEGRASS COMMUNITY & TECHNICAL COLLEGE	Kentucky	1,666	649	1,017	5	22	39	23	8	2	0
GEORGETOWN COLLEGE	Kentucky	1,581	278	1,303	3	13	26	27	21	9	1
BEREA COLLEGE	Kentucky	1,418	474	944	3	14	31	30	16	6	0
KENTUCKY STATE UNIVERSITY	Kentucky	1,378	311	1,067	8	32	38	17	4	1	0
LINDSEY WILSON COLLEGE	Kentucky	1,265	272	993	3	18	37	26	11	4	0
SOMERSET COMMUNITY COLLEGE	Kentucky	1,233	531	702	6	26	39	22	7	1	0
UNIVERSITY OF CINCINNATI	Ohio	1,184	304	880	1	8	21	29	26	14	2
TRANSYLVANIA UNIVERSITY	Kentucky	1,146	169	977	1	5	15	22	29	25	3
UNIVERSITY OF PIKEVILLE	Kentucky	1,081	272	809	4	21	33	27	11	4	0
ELIZABETHTOWN COMM AND TECH COLLEGE	Kentucky	968	456	512	3	21	40	26	8	3	0
WEST KENTUCKY COMM & TECHNICAL COLLEGE	Kentucky	936	369	567	5	24	39	19	11	2	0
CENTRE COLLEGE	Kentucky	933	213	720	0	4	8	16	28	37	6
STATE-NO COLLEGE PLANS	Iowa	908	908	0	22	47	23	6	2	0	0
UNIVERSITY OF THE CUMBERLANDS	Kentucky	900	233	667	2	11	30	33	18	6	0
ITT TECHNICAL INSTITUTE-LEXINGTON	Kentucky	887	253	634	9	33	35	18	3	1	0
SULLIVAN UNIVERSITY	Kentucky	884	239	645	7	26	38	21	6	2	0
NCAA ELIGIBILITY CENTER	Indiana	878	358	520	2	16	28	29	17	8	1
JEFFERSON COMM & TECH COLL-DOWNTOWN	Kentucky	862	313	549	11	32	34	18	4	1	0
BOWLING GREEN TECHNICAL COLLEGE	Kentucky	817	334	483	9	32	38	16	4	1	0
MAYSVILLE COMM & TECH COLL-MOREHEAD	Kentucky	790	199	591	6	31	40	17	5	1	0
All Other Institutions		38,611	10,049	28,562	4	19	29	22	14	10	2
Total		121,827	39,002	82,825	4	16	29	25	16	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: 46,289

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

	N		Average ACT Scores					
	State	National	English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	3,977	931,148	25.4	21.5	7.2	7.1	23.7	20.7
Black/African American	327	113,247	19.5	16.6	6.5	6.2	18.7	16.4
American Indian/Alaska Native	9	5,233	23.6	17.8	7.2	6.5	22.4	17.5
White	3,027	518,974	26.1	23.2	7.2	7.2	24.2	22.1
Hispanic/Latino	153	150,249	23.0	18.5	7.0	6.8	21.8	18.3
Asian	166	53,381	25.6	23.7	7.6	7.6	24.3	22.8
Native Hawaiian/Other Pac. Isl.	8	2,851	25.0	19.9	7.6	7.1	23.9	19.6
Two or more races	129	32,346	24.2	21.9	7.1	7.1	22.8	21.1
Prefer not/No Response	158	54,867	26.9	21.8	7.4	7.1	25.1	21.0
Males	1,766	413,617	25.4	21.2	7.0	6.8	23.6	20.3
Females	2,211	515,745	25.3	21.7	7.3	7.2	23.7	21.1
Missing	0	1,786	.	16.8	.	6.3	.	16.6

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

