

ACT Profile Report - State

Graduating Class 2012
Ohio



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

28% 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: 92,121 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. 82% 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 5% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 14% of these students were college ready. In comparison, 59% 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 11% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 37% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 41% 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 614-470-9828.

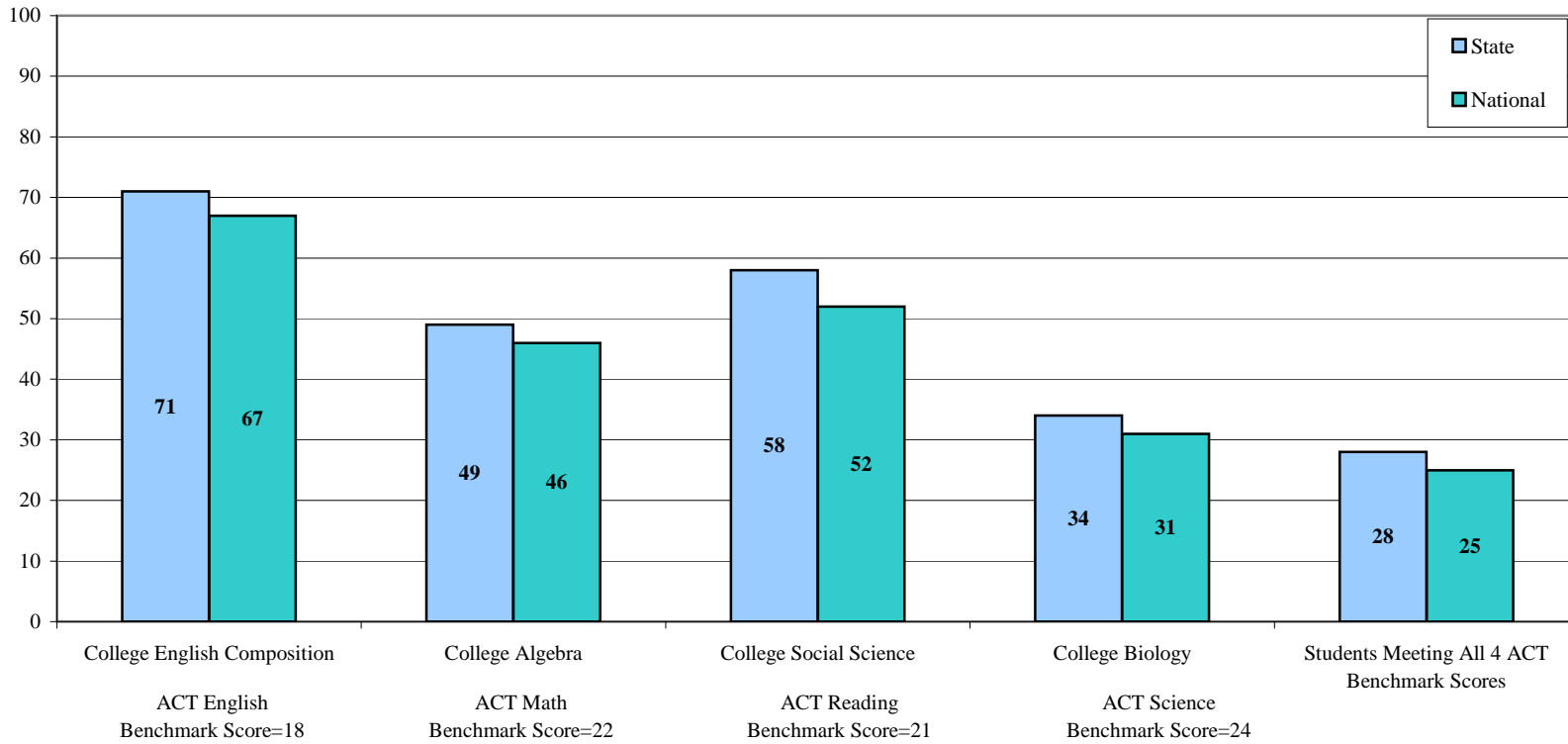
Section I

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: 92,121

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: 92,121

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	88,103	1,421,941	72	68	47	43	57	53	33	28	26	22
2009	88,754	1,480,469	72	67	46	42	58	53	33	28	26	23
2010	89,275	1,568,835	72	66	48	43	58	52	34	29	28	24
2011	92,313	1,623,112	71	66	49	45	58	52	35	30	28	25
2012	92,121	1,666,017	71	67	49	46	58	52	34	31	28	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	88,103	1,421,941	21.1	20.6	21.5	21.0	22.1	21.4	21.7	20.8	21.7	21.1
2009	88,754	1,480,469	21.1	20.6	21.4	21.0	22.2	21.4	21.7	20.9	21.7	21.1
2010	89,275	1,568,835	21.2	20.5	21.5	21.0	22.1	21.3	21.8	20.9	21.8	21.0
2011	92,313	1,623,112	21.1	20.6	21.5	21.1	22.1	21.3	21.8	20.9	21.8	21.1
2012	92,121	1,666,017	21.1	20.5	21.5	21.1	22.1	21.3	21.8	20.9	21.8	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: 92,121

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
2008	59,739	23,101	68	26	21.9	19.0	22.3	19.5	22.8	20.4	22.3	20.1	22.4	19.9
2009	67,786	19,318	76	22	22.0	18.6	22.3	19.0	22.9	20.1	22.4	19.7	22.5	19.5
2010	69,962	18,169	78	20	22.0	18.5	22.3	19.0	22.8	19.9	22.5	19.7	22.5	19.4
2011	73,939	17,336	80	19	21.9	18.1	22.2	18.7	22.7	19.6	22.4	19.4	22.4	19.1
2012	75,197	16,111	82	17	21.8	18.1	22.2	18.8	22.7	19.6	22.3	19.4	22.4	19.1

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.

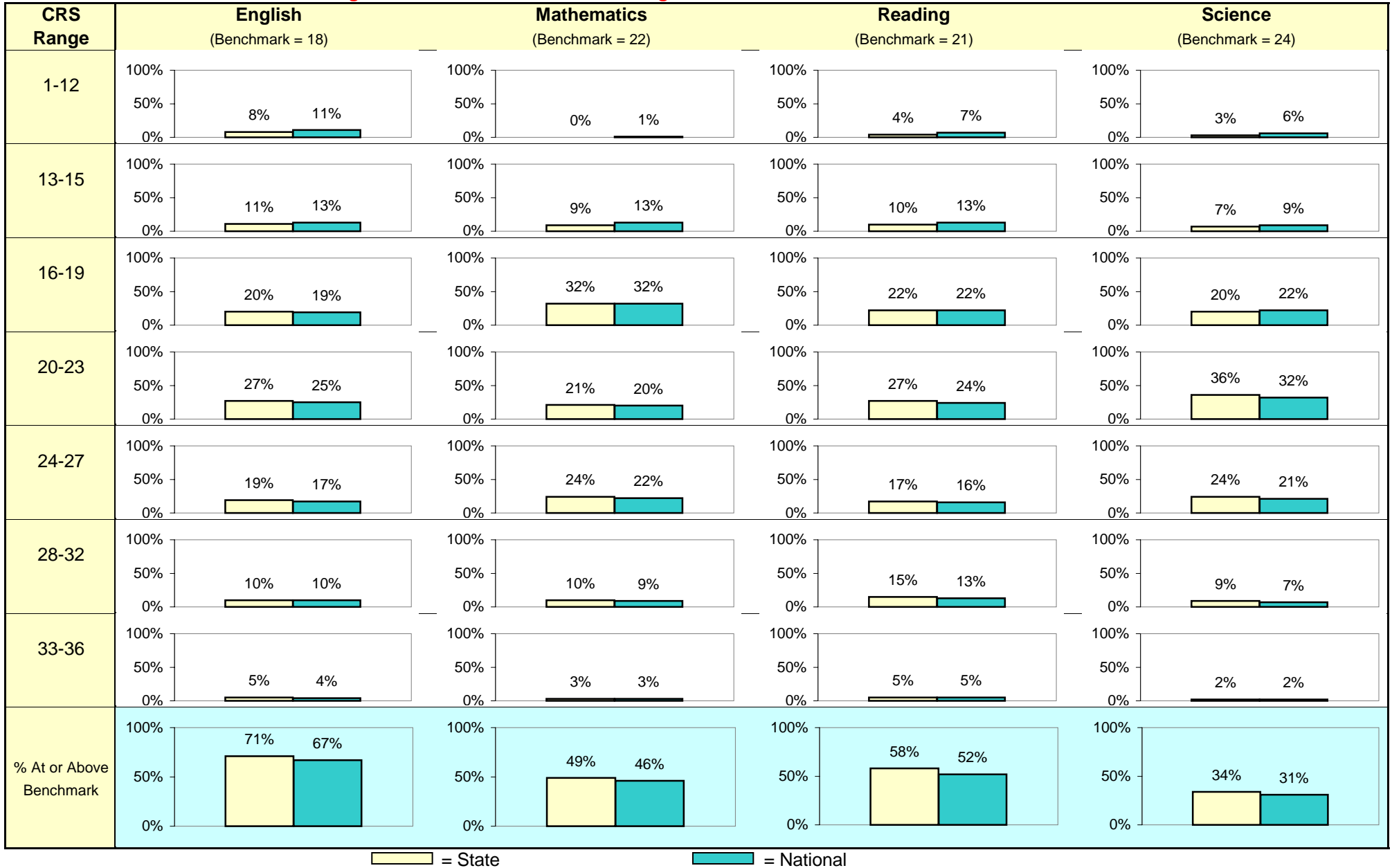
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	88,103	100	21.7	88,754	100	21.7	89,275	100	21.8	92,313	100	21.8	92,121	100	21.8
Black/African American	9,108	10	17.1	9,607	11	17.2	10,198	11	17.3	11,222	12	17.2	11,256	12	17.1
American Indian/Alaska Native	251	0	20.4	251	0	20.6	250	0	20.9	254	0	19.9	242	0	19.6
White	67,493	77	22.2	69,828	79	22.4	69,790	78	22.5	70,327	76	22.5	68,715	75	22.6
Hispanic/Latino	1,609	2	20.1	1,747	2	20.5	1,861	2	20.3	2,869	3	20.1	3,308	4	20.1
Asian	1,456	2	24.1	1,639	2	24.1	1,650	2	24.3	1,713	2	24.4	1,756	2	24.4
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	34	0	19.8	75	0	21.7
Two or more races	1,664	2	20.4	2,001	2	20.6	2,230	2	20.7	2,626	3	20.4	3,315	4	20.8
Prefer not to respond/No response	6,522	7	22.8	3,681	4	22.3	3,296	4	21.9	3,268	4	22.1	3,454	4	22.4

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

Total Students in Report: 92,121

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: 92,121

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	258	100	256	100	663	100	396	100	37	100	36
35	1,035	100	494	100	792	99	441	100	208	100	35
34	1,450	99	897	99	1,242	98	357	99	550	100	34
33	1,503	97	974	98	2,015	97	753	99	889	99	33
32	1,536	95	1,033	97	2,422	95	938	98	1,270	98	32
31	1,646	94	1,036	96	2,940	92	1,365	97	1,611	97	31
30	1,909	92	1,759	95	2,785	89	1,481	95	2,239	95	30
29	2,115	90	1,972	93	2,739	86	1,589	94	2,462	93	29
28	2,431	88	3,147	91	3,054	83	2,566	92	3,349	90	28
27	3,240	85	4,028	87	3,377	80	3,954	89	4,079	86	27
26	3,552	81	5,808	83	3,511	76	4,118	85	4,435	82	26
25	4,430	78	5,392	77	3,703	72	6,278	81	5,255	77	25
24	5,986	73	7,267	71	5,328	68	7,496	74	5,940	71	24
23	5,386	66	6,273	63	5,648	62	8,549	66	6,722	65	23
22	5,851	60	5,194	56	5,903	56	7,520	56	6,968	58	22
21	7,480	54	3,331	51	7,222	50	8,330	48	7,170	50	21
20	6,129	46	4,982	47	5,749	42	8,349	39	6,785	42	20
19	5,615	39	5,122	42	5,381	36	6,113	30	6,684	35	19
18	4,271	33	6,704	36	6,201	30	5,734	23	6,298	28	18
17	4,075	29	7,853	29	4,602	23	3,737	17	5,308	21	17
16	4,521	24	9,650	20	4,037	18	2,907	13	4,465	15	16
15	4,943	19	5,960	10	3,546	14	2,393	10	3,358	10	15
14	3,528	14	1,908	3	3,438	10	2,014	7	2,654	7	14
13	2,118	10	782	1	2,144	6	1,698	5	1,792	4	13
12	1,772	8	182	1	1,941	4	1,174	3	992	2	12
11	1,802	6	65	1	920	2	814	2	386	1	11
10	1,472	4	29	1	430	1	658	1	139	1	10
9	928	2	7	1	178	1	237	1	49	1	9
8	689	1	5	1	91	1	105	1	19	1	8
7	273	1	3	1	63	1	25	1	7	1	7
6	104	1	4	1	29	1	22	1	1	1	6
5	43	1	1	1	15	1	4	1	0	1	5
4	17	1	0	1	5	1	0	1	0	1	4
3	9	1	0	1	1	1	6	1	0	1	3
2	4	1	0	1	3	1	0	1	0	1	2
1	0	1	3	1	3	1	0	1	0	1	1
Avg (SD)	21.1 (6.1)		21.5 (5.1)		22.1 (5.9)		21.8 (4.9)		21.8 (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: 92,121

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	3,382	100	1,082	100	2,428	100	3,238	100	3,933	100	940	100	1,052	100	18
17	3,992	96	1,335	99	4,029	97	4,923	96	4,353	96	559	99	295	99	17
16	4,971	92	5,082	97	6,289	93	6,045	91	4,061	91	2,386	98	3,153	99	16
15	3,926	87	6,433	92	5,123	86	5,437	85	5,652	87	4,255	96	5,250	95	15
14	5,382	82	7,308	85	7,154	81	7,305	79	7,075	80	8,221	91	7,613	89	14
13	4,748	76	8,585	77	7,170	73	7,605	71	9,417	73	11,410	82	9,662	81	13
12	7,758	71	9,472	68	11,183	65	8,582	62	8,576	63	9,773	70	11,733	71	12
11	8,862	63	12,076	57	8,338	53	8,154	53	9,945	53	10,715	59	10,811	58	11
10	11,552	53	9,118	44	9,744	44	8,862	44	7,462	42	15,331	48	12,841	46	10
9	8,989	41	11,174	34	9,185	33	8,969	35	7,069	34	11,269	31	10,759	32	9
8	7,906	31	7,207	22	7,585	23	6,951	25	9,929	27	8,718	19	8,024	21	8
7	6,601	22	5,010	14	7,399	15	5,443	17	8,784	16	3,732	9	5,111	12	7
6	5,558	15	3,068	9	3,274	7	5,403	12	3,491	6	1,893	5	2,804	6	6
5	3,870	9	2,556	6	1,833	3	3,239	6	1,526	3	1,704	3	1,048	3	5
4	2,263	5	1,786	3	847	2	1,144	2	552	1	377	1	1,237	2	4
3	1,584	3	666	1	346	1	653	1	215	1	529	1	261	1	3
2	688	1	145	1	146	1	147	1	62	1	107	1	308	1	2
1	89	1	18	1	48	1	21	1	19	1	202	1	159	1	1
Avg (SD)	10.5 (3.8)		10.9 (3.2)		11.2 (3.4)		11.2 (3.7)		11.3 (3.5)		10.9 (2.8)		10.8 (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)	25	25	26	25	25
Q2 (50th Percentile)	21	21	22	22	21
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 92,121

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	92,121	82	22.4	19.1
	Black/African American	11,256	75	17.5	15.8
	American Indian/Alaska Native	242	73	20.4	17.5
	White	68,715	83	23.1	19.9
	Hispanic/Latino	3,308	75	20.8	17.9
	Asian	1,756	85	25.0	21.2
	Native Hawaiian/Other Pac. Isl.	75	92	21.7	22.0
	Two or more races	3,315	80	21.4	18.5
	Prefer not/No Response	3,454	82	23.1	19.7
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	21.1	21.5	22.1	21.8	21.8
	Black/African American	15.8	17.3	17.2	17.5	17.1
	American Indian/Alaska Native	18.5	19.8	19.8	19.9	19.6
	White	22.1	22.2	22.9	22.5	22.6
	Hispanic/Latino	19.1	20.0	20.5	20.2	20.1
	Asian	23.5	25.8	23.8	24.1	24.4
	Native Hawaiian/Other Pac. Isl.	20.9	21.6	22.2	21.7	21.7
	Two or more races	20.1	20.4	21.4	20.9	20.8
	Prefer not/No Response	22.0	22.2	22.9	22.2	22.4
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: 92,121

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	4,246	5	2,621	3	4,712	5	1,947	2
	28 to 32	9,637	10	8,947	10	13,940	15	7,939	9
	24 to 27	17,208	19	22,495	24	15,919	17	21,846	24
	20 to 23	24,846	27	19,780	21	24,522	27	32,748	36
	16 to 19	18,482	20	29,329	32	20,221	22	18,491	20
	13 to 15	10,589	11	8,650	9	9,128	10	6,105	7
	01 to 12	7,113	8	299	0	3,679	4	3,045	3
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	42,333	46	20.9	22.3	22.1	22.4	22.1
	Females	49,747	54	21.3	20.9	22.1	21.2	21.5
	Missing	41	0	16.0	17.3	18.1	17.5	17.3
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	70	55	58	41	33
	Females	73	44	58	29	24
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 92,121

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	75,197	76	21.8	55	22.2	62	22.7	39	22.3	32	22.4
	Less than Core	16,111	51	18.1	24	18.8	40	19.6	16	19.4	11	19.1
	Missing ³	813	35	15.6	13	17.2	27	17.5	10	17.6	7	17.1
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	89,767	72	21.2	87,207	52	21.8	87,102	59	22.2	81,494	37	22.2
	Less than Core	1,785	47	17.3	4,158	8	16.9	4,420	47	20.7	10,012	11	18.8
	Missing ³	569	38	16.1	756	14	17.3	599	28	17.6	615	11	17.9
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.

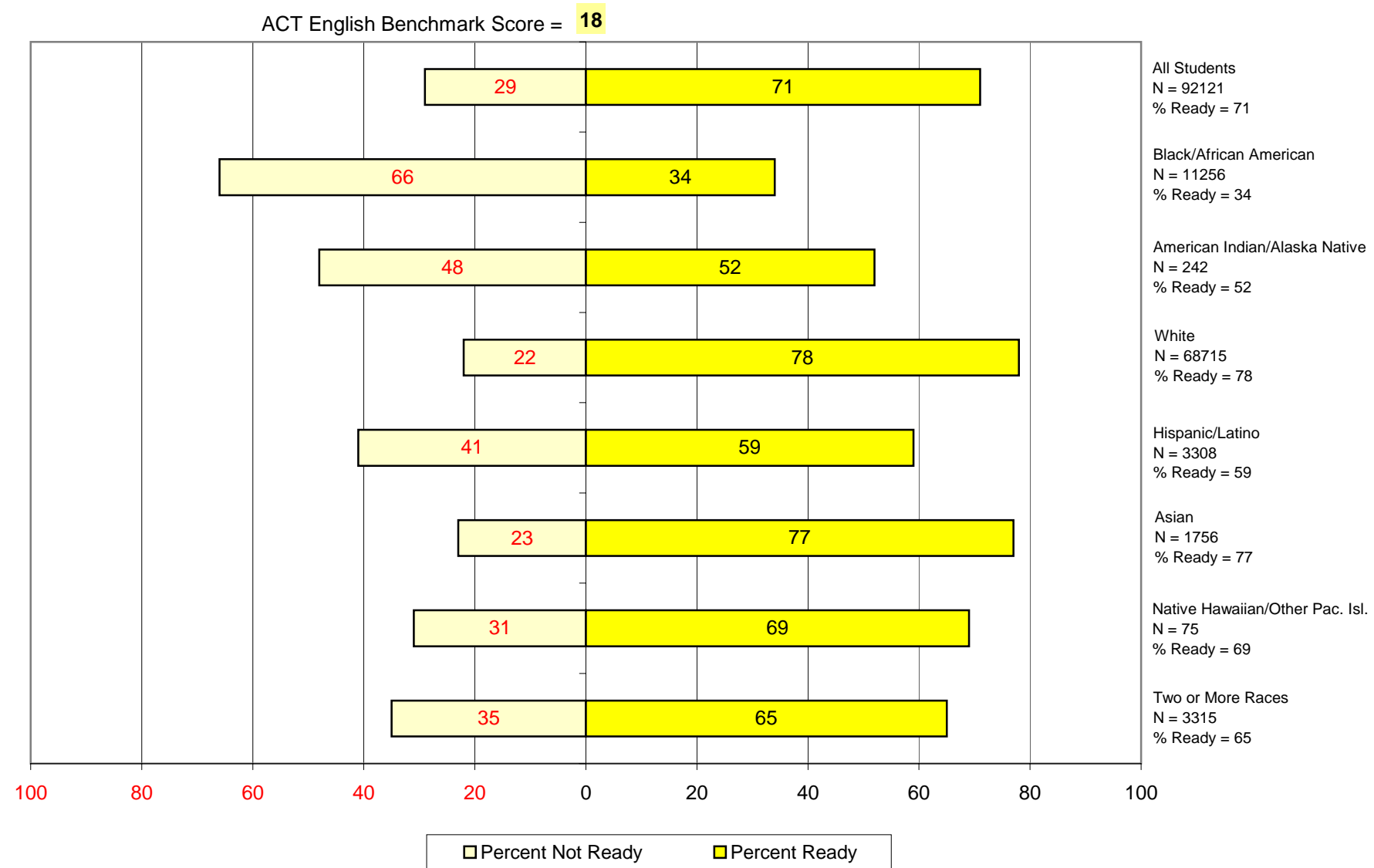
Section III

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: 92,121

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

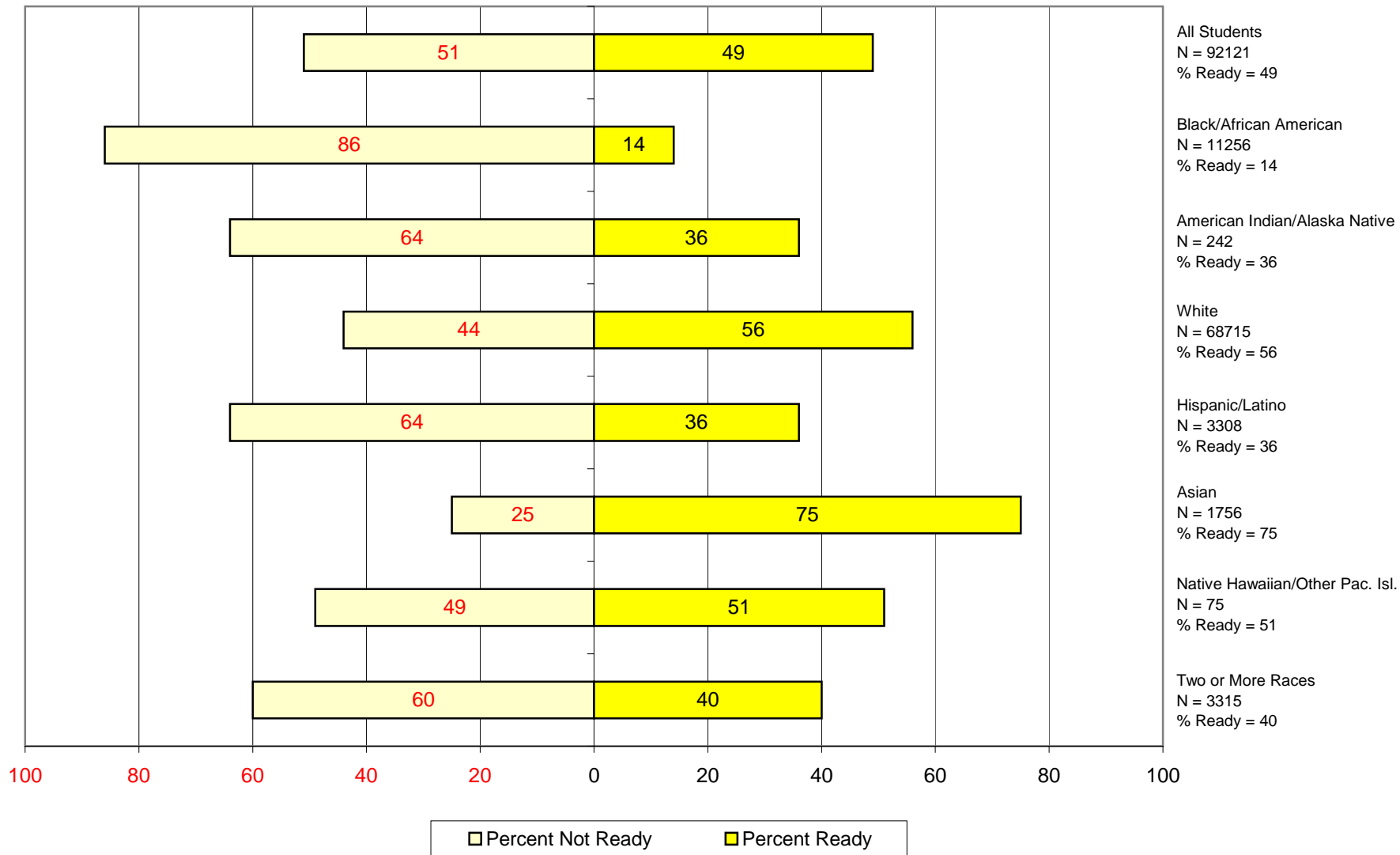


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 92,121

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

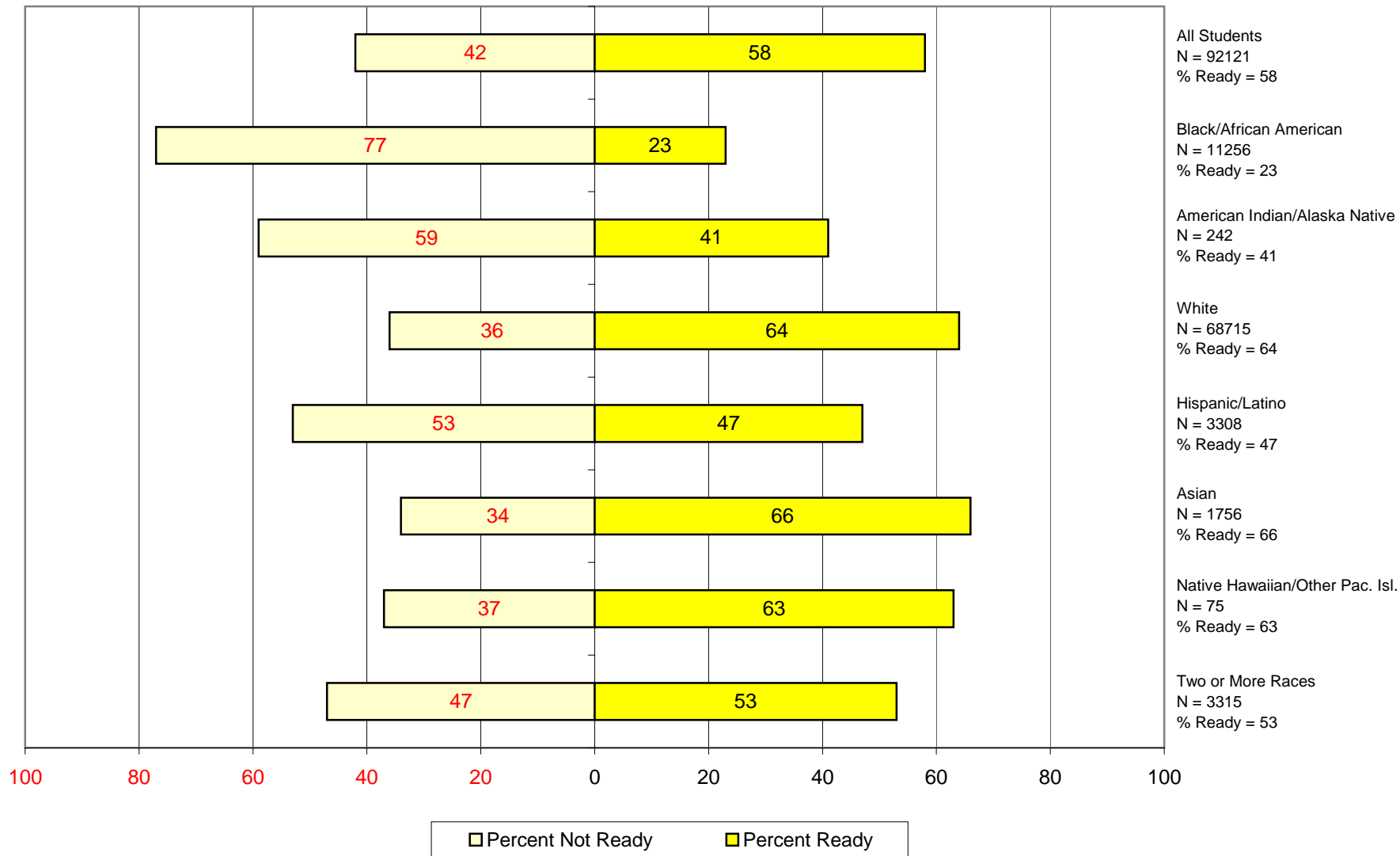
ACT Mathematics Benchmark Score = **22**



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

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

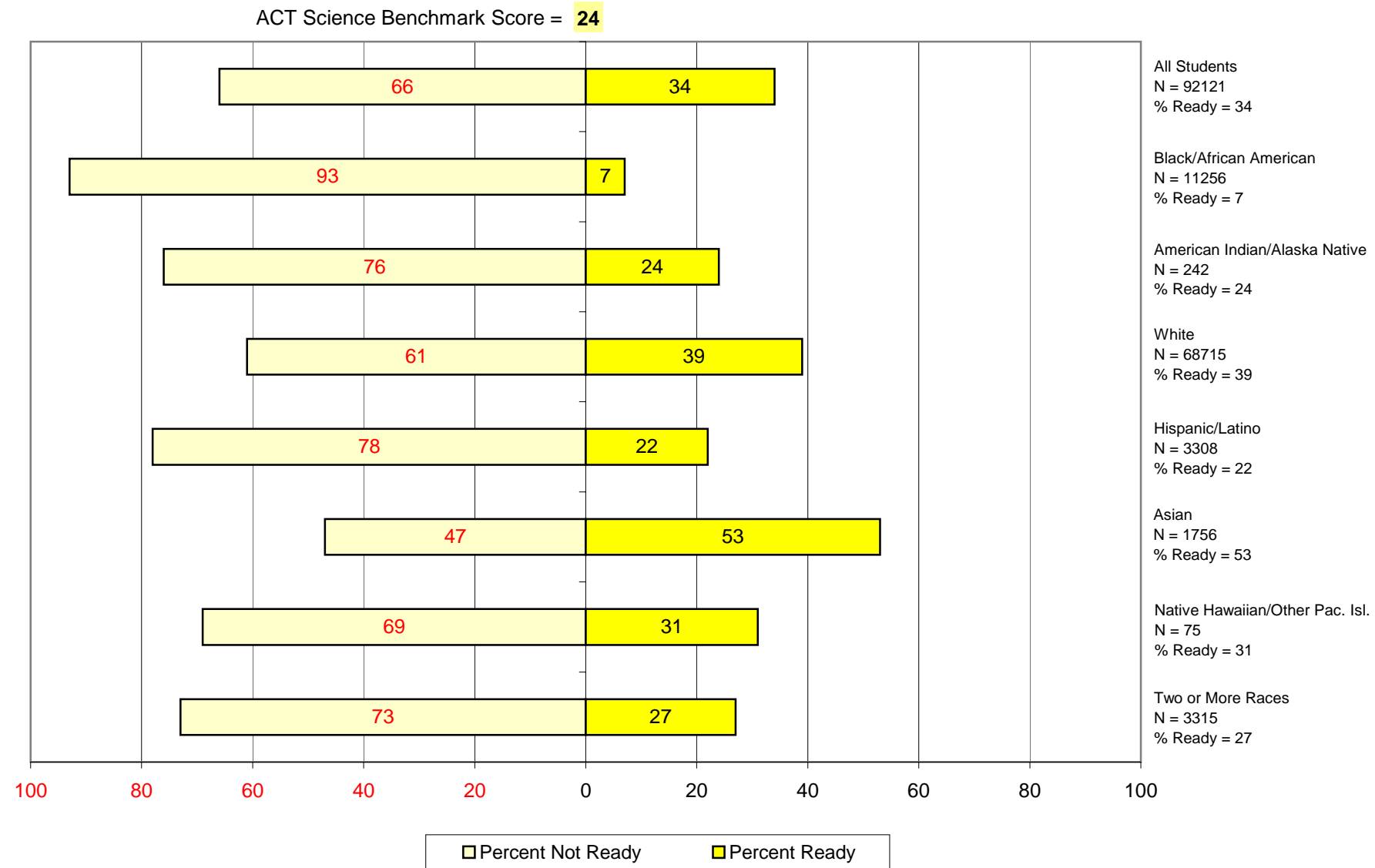
ACT Reading Benchmark Score = 21



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

Total Students in Report: 92,121

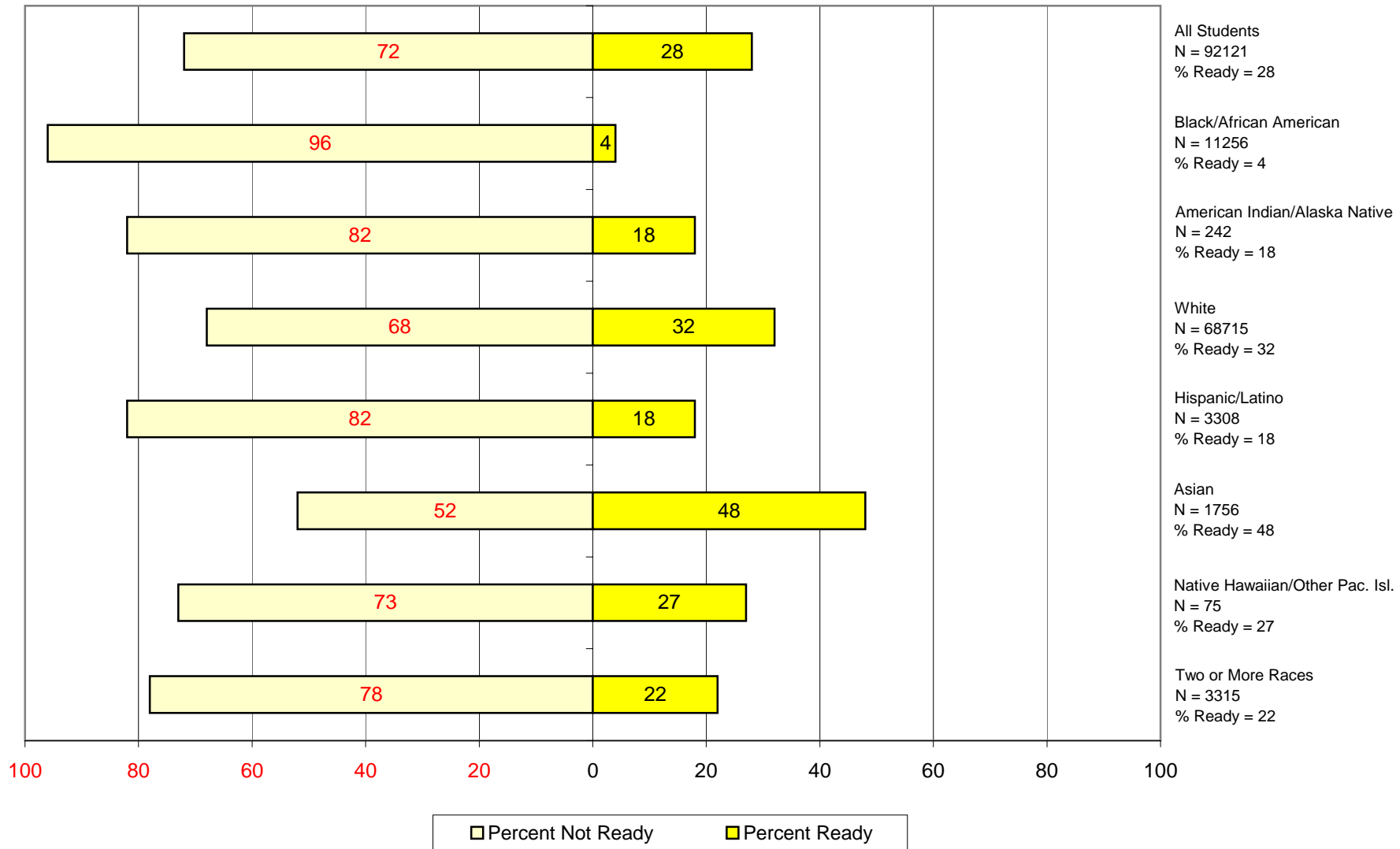
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE



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

Total Students in Report: 92,121

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: 92,121

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	22,944	25	22.2	4.9	9,572	23	21.9	4.6	13,366	27	22.5	5.2
Eng 9, Eng 10, Eng 11, Eng 12	66,823	73	20.9	3.6	31,599	75	20.7	3.4	35,200	71	21.0	3.7
Less than 4 years of English	1,785	2	17.3	-	852	2	17.3	-	929	2	17.3	-
Zero years / no English courses reported	569	1	16.1	-	310	1	16.1	-	252	1	16.3	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	5,416	6	24.6	7.7	2,635	6	25.4	8.1	2,779	6	23.8	7.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,685	8	22.1	5.2	3,069	7	22.8	5.5	4,615	9	21.7	5.1
Alg 1, Alg 2, Geom, & Trig	5,288	6	20.1	3.2	2,275	5	20.7	3.4	3,011	6	19.7	3.1
Alg 1, Alg 2, Geom, & Other Adv Math	16,482	18	20.3	3.4	6,556	15	20.8	3.5	9,916	20	20.0	3.4
Other comb of 4 or more years of Math	34,101	37	24.1	7.2	17,456	41	24.8	7.5	16,641	33	23.4	6.8
Alg 1, Alg 2, & Geom	13,697	15	17.7	0.8	5,882	14	18.1	0.8	7,804	16	17.4	0.8
Other comb of 3 or 3.5 years of Math	4,538	5	20.4	3.5	2,234	5	20.6	3.3	2,303	5	20.2	3.6
Less than 3 years of Math	4,158	5	16.9	-	1,824	4	17.3	-	2,331	5	16.6	-
Zero years / no Math courses reported	756	1	17.3	-	402	1	17.7	-	347	1	16.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	5,486	6	22.6	1.9	2,815	7	22.6	1.9	2,669	5	22.6	1.9
Other comb of 4 or more years Social Science	43,529	47	22.7	2.0	20,151	48	22.7	2.0	23,373	47	22.7	2.0
US Hist, World Hist, & Am Gov	11,810	13	20.3	-0.4	5,534	13	20.6	-0.1	6,264	13	20.2	-0.5
Other comb of 3 or 3.5 years of Social Science	26,277	29	22.1	1.4	11,465	27	22.1	1.4	14,801	30	22.0	1.3
Less than 3 years of Social Science	4,420	5	20.7	-	2,051	5	20.7	-	2,365	5	20.7	-
Zero years / no Social Science courses reported	599	1	17.6	-	317	1	17.7	-	275	1	17.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	47,628	52	23.0	4.2	23,150	55	23.7	4.6	24,462	49	22.3	3.8
Bio, Chem, Phys	5,332	6	25.1	6.3	2,610	6	25.7	6.6	2,721	5	24.5	6.0
Gen Sci ² , Bio, Chem	26,417	29	20.2	1.4	10,484	25	20.6	1.5	15,922	32	20.0	1.5
Other comb of 3 years of Natural Science	2,117	2	19.5	0.7	1,231	3	20.2	1.1	886	2	18.6	0.1
Less than 3 years of Natural Science	10,012	11	18.8	-	4,529	11	19.1	-	5,477	11	18.5	-
Zero years / no Natural Science courses reported	615	1	17.9	-	329	1	18.3	-	279	1	17.5	-

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: 92,121

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	22,944	25	22.2	78	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	66,823	73	20.9	70	1,178,400	71	20.5	67
Less than 4 years of English	1,785	2	17.3	47	64,748	4	16.5	41
Zero years / no English courses reported	569	1	16.1	38	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	5,416	6	24.6	75	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,685	8	22.1	59	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	5,288	6	20.1	39	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	16,482	18	20.3	40	279,658	17	19.9	36
Other comb of 4 or more years of Math	34,101	37	24.1	70	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	13,697	15	17.7	14	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	4,538	5	20.4	40	82,509	5	19.9	35
Less than 3 years of Math	4,158	5	16.9	8	69,741	4	16.6	8
Zero years / no Math courses reported	756	1	17.3	14	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	5,486	6	22.6	60	47,179	3	22.3	59
Other comb of 4 or more years Social Science	43,529	47	22.7	63	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	11,810	13	20.3	45	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	26,277	29	22.1	58	452,172	27	21.2	51
Less than 3 years of Social Science	4,420	5	20.7	47	149,266	9	19.7	40
Zero years / no Social Science courses reported	599	1	17.6	28	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	47,628	52	23.0	45	740,499	44	21.9	39
Bio, Chem, Phys	5,332	6	25.1	63	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	26,417	29	20.2	20	466,992	28	20.0	22
Other comb of 3 years of Natural Science	2,117	2	19.5	18	45,992	3	19.5	20
Less than 3 years of Natural Science	10,012	11	18.8	11	194,661	12	18.4	13
Zero years / no Natural Science courses reported	615	1	17.9	11	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: 92,121

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	1,095	1	20.5	154	4	17.6	877	1	21.0
Architecture	1,135	1	22.2	27	1	17.4	1,047	1	22.3
Area, Ethnic, & Multidisciplinary Studies	119	0	23.2	2	0	14.0	108	0	23.6
Arts: Visual & Performing	5,964	6	21.2	297	8	17.4	5,290	6	21.4
Business	8,882	10	21.0	474	12	17.1	7,907	10	21.3
Communications	2,049	2	21.5	55	1	17.2	1,893	2	21.6
Community, Family, & Personal Services	1,942	2	19.0	210	5	17.5	1,620	2	19.3
Computer Science & Mathematics	2,488	3	22.7	130	3	19.7	2,214	3	23.0
Education	6,780	7	21.3	124	3	16.7	6,361	8	21.5
Engineering	6,515	7	24.3	145	4	18.1	6,048	7	24.5
Engineering Technology & Drafting	1,151	1	21.6	90	2	18.2	1,018	1	21.9
English & Foreign Languages	1,120	1	24.2	14	0	17.9	1,050	1	24.3
Health Administration & Assisting	3,086	3	18.5	306	8	17.2	2,598	3	18.8
Health Sciences & Technologies	18,496	20	21.5	777	20	17.6	16,980	21	21.7
Philosophy, Religion, & Theology	446	0	22.3	4	0	19.5	408	0	22.4
Repair, Production, & Construction	585	1	18.2	238	6	17.6	307	0	18.6
Sciences: Biological & Physical	5,630	6	24.1	59	2	17.5	5,336	6	24.2
Social Sciences & Law	7,372	8	21.8	162	4	17.0	6,814	8	22.0
Undecided	16,111	17	22.2	596	15	17.6	13,916	17	22.4
No Response	1,136	1	17.2	54	1	14.3	300	0	18.7

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: 92,121

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	685	17.0	163	14.2	4	18.3	420	18.2	30	15.7
2-yr College Degree	3,238	17.6	443	14.3	13	16.5	2,414	18.2	141	16.7
Bachelors Degree	49,591	20.8	5,581	16.5	121	19.0	38,496	21.5	1,721	19.4
Graduate Study	14,118	24.1	1,174	19.1	27	21.3	11,239	24.7	428	22.6
Prof. Level Degree	18,391	23.8	2,538	18.8	54	21.9	12,537	24.8	731	22.1
Other	1,084	19.0	180	15.1	6	17.5	721	20.1	46	17.3
No Response	5,014	20.8	1,177	15.5	17	17.3	2,888	22.9	211	17.4

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	685	17.0	18	18.4	0	.	21	16.3	29	17.1
2-yr College Degree	3,238	17.6	27	16.9	1	17.0	114	17.4	85	17.4
Bachelors Degree	49,591	20.8	497	20.7	29	21.2	1,686	19.9	1,460	21.0
Graduate Study	14,118	24.1	264	25.3	10	24.4	432	23.0	544	24.3
Prof. Level Degree	18,391	23.8	796	26.8	22	23.2	852	22.5	861	24.8
Other	1,084	19.0	23	20.7	5	17.2	45	18.2	58	19.3
No Response	5,014	20.8	131	25.3	8	19.6	165	20.1	417	22.0

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

Total Students in Report: 92,121

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
OHIO STATE UNIVERSITY THE	Ohio	19,770	8,368	11,402	1	5	15	29	29	18	2
UNIVERSITY OF CINCINNATI	Ohio	12,581	4,414	8,167	1	6	20	32	26	13	1
OHIO UNIVERSITY	Ohio	10,499	2,941	7,558	1	4	19	37	27	11	1
KENT STATE UNIVERSITY	Ohio	10,132	3,333	6,799	2	9	29	35	19	6	0
BOWLING GREEN STATE UNIVERSITY	Ohio	9,102	2,678	6,424	1	8	28	35	20	7	0
MIAMI UNIVERSITY	Ohio	8,012	2,035	5,977	0	3	11	29	34	21	2
UNIVERSITY OF AKRON	Ohio	7,817	2,568	5,249	2	11	28	32	20	7	0
UNIVERSITY OF TOLEDO	Ohio	6,470	1,907	4,563	3	12	28	30	19	8	1
WRIGHT STATE UNIVERSITY	Ohio	5,083	1,672	3,411	2	11	28	32	20	7	1
UNIVERSITY OF DAYTON	Ohio	3,314	686	2,628	0	3	10	27	34	22	3
CLEVELAND STATE UNIVERSITY	Ohio	3,306	1,108	2,198	4	15	32	30	15	4	0
XAVIER UNIVERSITY-OH	Ohio	2,308	464	1,844	2	6	16	31	29	15	1
NCAA ELIGIBILITY CENTER	Indiana	2,287	1,250	1,037	2	9	26	30	22	10	1
YOUNGSTOWN STATE UNIVERSITY	Ohio	2,101	886	1,215	2	11	32	31	18	6	0
UNIVERSITY OF KENTUCKY	Kentucky	2,013	458	1,555	1	4	17	31	30	15	1
CAPITAL UNIVERSITY	Ohio	1,798	466	1,332	1	5	22	32	27	11	1
NORTHERN KENTUCKY UNIVERSITY	Kentucky	1,788	361	1,427	2	10	34	33	17	4	0
ASHLAND UNIVERSITY	Ohio	1,754	509	1,245	0	6	28	36	22	7	1
OHIO NORTHERN UNIVERSITY	Ohio	1,687	451	1,236	0	2	13	27	34	21	3
CASE WESTERN RESERVE UNIV	Ohio	1,680	387	1,293	1	4	8	18	27	35	7
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	1,590	517	1,073	4	15	33	30	14	3	0
UNIVERSITY OF MOUNT UNION	Ohio	1,501	392	1,109	1	6	25	37	23	7	0
UNIVERSITY OF FINDLAY THE	Ohio	1,481	419	1,062	1	3	22	35	27	12	0
OTTERBEIN COLLEGE	Ohio	1,458	348	1,110	1	5	19	33	28	13	1
SHAWNEE STATE UNIVERSITY	Ohio	1,392	544	848	2	13	36	32	14	3	0
BALDWIN-WALLACE COLLEGE	Ohio	1,230	344	886	2	8	20	33	25	12	1
PURDUE UNIVERSITY	Indiana	1,063	197	866	0	2	6	17	28	38	10
SINCLAIR COMMUNITY COLLEGE	Ohio	926	320	606	2	13	35	32	13	4	0
JOHN CARROLL UNIVERSITY	Ohio	890	191	699	1	5	17	32	29	15	1
WALSH UNIVERSITY	Ohio	887	226	661	1	7	24	38	25	6	0
All Other Institutions		73,602	20,092	53,510	2	8	24	27	21	15	2
Total		199,522	60,532	138,990	2	7	23	30	23	13	2

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: 92,121

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	54,330	931,148	21.5	21.5	6.8	7.1	20.5	20.7
Black/African American	7,453	113,247	16.1	16.6	6.0	6.2	15.8	16.4
American Indian/Alaska Native	139	5,233	19.0	17.8	6.5	6.5	18.5	17.5
White	38,950	518,974	22.6	23.2	7.0	7.2	21.4	22.1
Hispanic/Latino	2,083	150,249	19.6	18.5	6.6	6.8	18.9	18.3
Asian	1,349	53,381	24.3	23.7	7.5	7.6	23.2	22.8
Native Hawaiian/Other Pac. Isl.	38	2,851	20.7	19.9	6.6	7.1	19.8	19.6
Two or more races	2,105	32,346	20.5	21.9	6.6	7.1	19.6	21.1
Prefer not/No Response	2,213	54,867	22.6	21.8	7.0	7.1	21.5	21.0
Males	24,498	413,617	21.5	21.2	6.6	6.8	20.4	20.3
Females	29,808	515,745	21.5	21.7	7.0	7.2	20.7	21.1
Missing	24	1,786	17.8	16.8	6.5	6.3	17.4	16.6

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

