

# ACT Profile Report - National

Graduating Class 2012  
National



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](http://www.act.org/standard/infoserv.html).

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

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

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

## How to Improve Scores and Increase College Readiness

25% 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:** 1,666,017 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. 76% 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, 8% were college ready. 14% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 12% of these students were college ready. In comparison, 54% 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. 13% of these students were college ready. In comparison, 33% 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 46% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

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

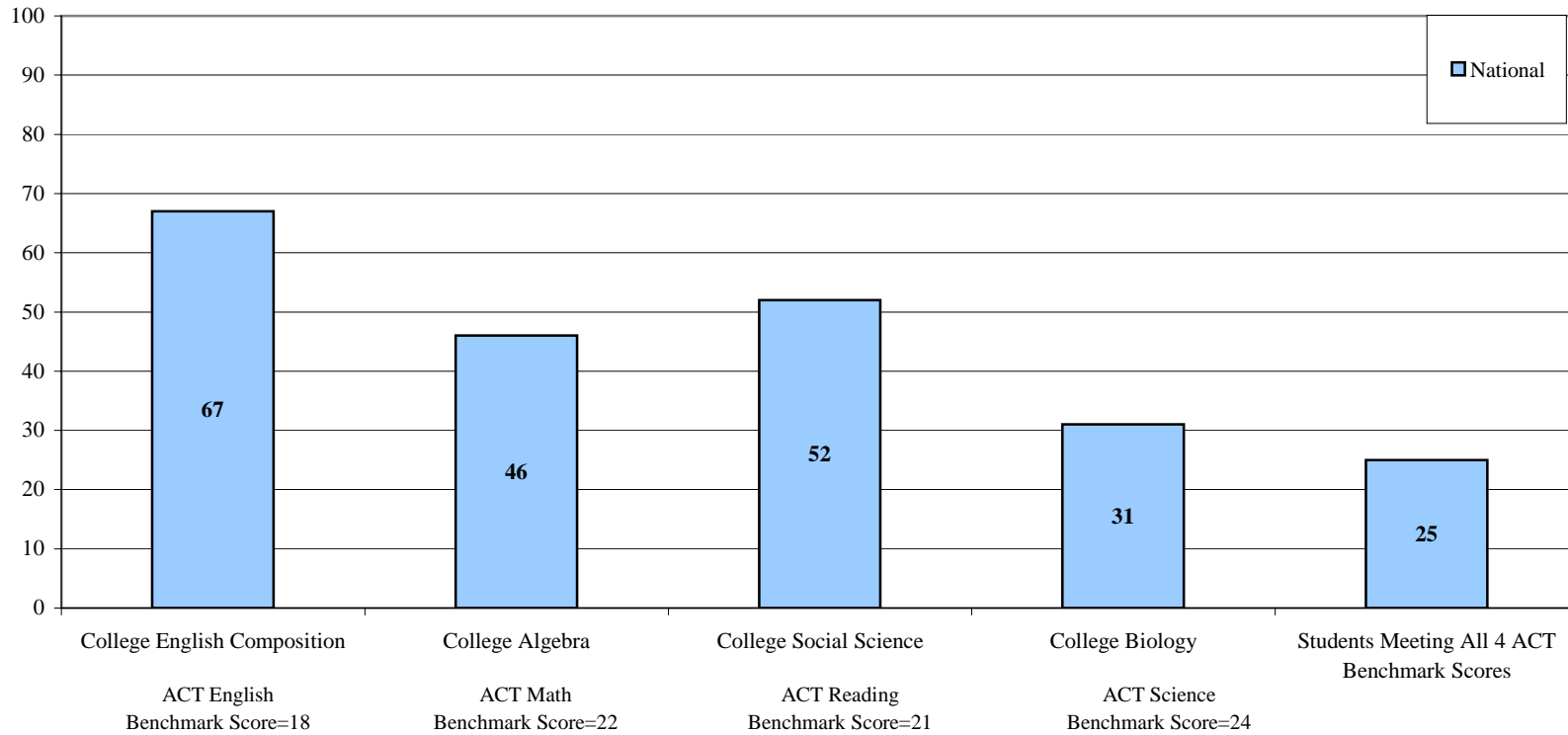
# Section I

## 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: 1,666,017

**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: 1,666,017

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

Year	Number of Students Tested National	Percent Meeting Benchmarks				
		English National	Mathematics National	Reading National	Science National	Meeting All Four National
2008	1,421,941	68	43	53	28	22
2009	1,480,469	67	42	53	28	23
2010	1,568,835	66	43	52	29	24
2011	1,623,112	66	45	52	30	25
<b>2012</b>	<b>1,666,017</b>	<b>67</b>	<b>46</b>	<b>52</b>	<b>31</b>	<b>25</b>

**Table 1.2. Five Year Trends—Average ACT Scores (table omitted for this report)**

**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
<b>2012</b>	<b>1,666,017</b>	<b>20.5</b>	<b>21.1</b>	<b>21.3</b>	<b>20.9</b>	<b>21.1</b>

Total Students in Report: 1,666,017

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	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	873,743	431,748	61	30	21.6	18.8	21.9	19.3	22.3	19.9	21.6	19.4	22.0	19.5
2009	1,039,502	391,458	70	26	21.7	18.3	21.9	18.9	22.3	19.4	21.7	19.2	22.0	19.1
2010	1,118,639	397,685	71	25	21.6	18.1	21.9	18.9	22.2	19.2	21.7	19.0	22.0	18.9
2011	1,202,164	366,518	74	23	21.5	18.3	21.8	19.0	22.0	19.3	21.6	19.0	21.9	19.0
<b>2012</b>	<b>1,259,744</b>	<b>355,849</b>	<b>76</b>	<b>21</b>	<b>21.3</b>	<b>18.3</b>	<b>21.8</b>	<b>19.1</b>	<b>22.0</b>	<b>19.4</b>	<b>21.6</b>	<b>19.1</b>	<b>21.8</b>	<b>19.1</b>

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

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

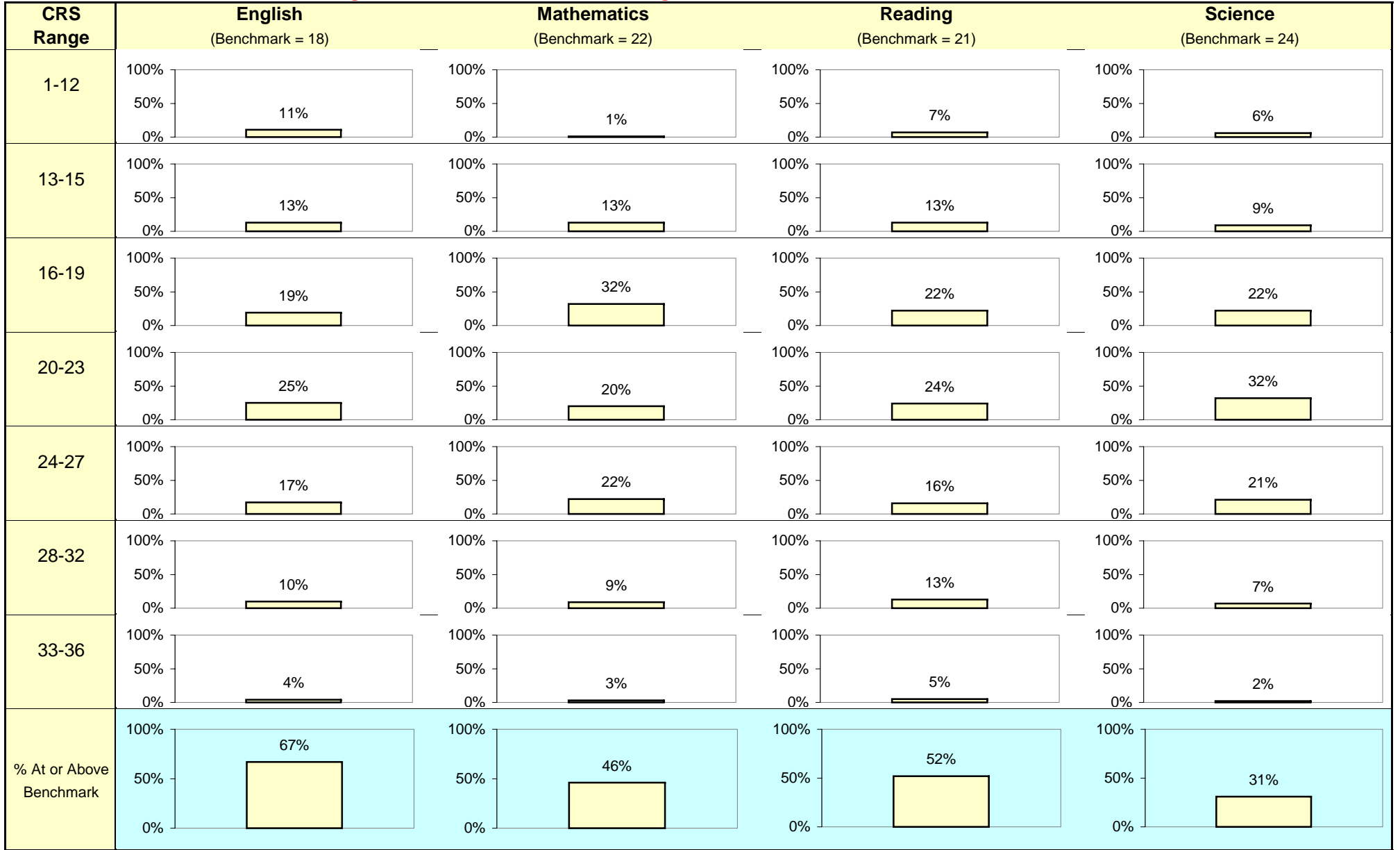
**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity<sup>1</sup>**

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>1,421,941</b>	<b>100</b>	<b>21.1</b>	<b>1,480,469</b>	<b>100</b>	<b>21.1</b>	<b>1,568,835</b>	<b>100</b>	<b>21.0</b>	<b>1,623,112</b>	<b>100</b>	<b>21.1</b>	<b>1,666,017</b>	<b>100</b>	<b>21.1</b>
Black/African American	178,417	13	16.9	196,149	13	16.9	214,836	14	16.9	223,383	14	17.0	<b>222,237</b>	<b>13</b>	<b>17.0</b>
American Indian/Alaska Native	14,380	1	19.0	15,773	1	18.9	16,382	1	19.0	14,970	1	18.6	<b>13,523</b>	<b>1</b>	<b>18.4</b>
White	895,588	63	22.1	941,206	64	22.2	979,329	62	22.3	981,585	60	22.4	<b>983,148</b>	<b>59</b>	<b>22.4</b>
Hispanic/Latino	114,697	8	18.7	133,569	9	18.7	157,579	10	18.6	200,661	12	18.7	<b>234,456</b>	<b>14</b>	<b>18.9</b>
Asian	51,368	4	22.9	59,093	4	23.2	65,362	4	23.4	66,650	4	23.6	<b>68,080</b>	<b>4</b>	<b>23.6</b>
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	2,244	0	19.5	<b>4,545</b>	<b>0</b>	<b>19.8</b>
Two or more races	29,818	2	20.9	35,624	2	21.0	42,797	3	21.0	46,378	3	21.1	<b>55,500</b>	<b>3</b>	<b>21.4</b>
Prefer not to respond/No response	137,673	10	21.8	99,055	7	20.9	92,550	6	20.5	87,241	5	20.7	<b>84,528</b>	<b>5</b>	<b>21.3</b>

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

Total Students in Report: 1,666,017

**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: 1,666,017

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	4,833	100	5,541	100	11,995	100	6,735	100	781	100	36
35	19,398	100	10,713	100	13,534	99	7,930	100	4,457	100	35
34	25,434	99	16,041	99	22,895	98	5,766	99	9,604	100	34
33	24,374	97	18,424	98	33,313	97	9,651	99	14,864	99	33
32	26,845	96	18,162	97	36,052	95	15,543	98	21,438	98	32
31	28,762	94	17,479	96	47,059	93	20,881	97	28,154	97	31
30	36,179	92	28,213	95	44,194	90	24,584	96	36,676	95	30
29	35,760	90	34,229	93	45,999	87	24,782	95	43,285	93	29
28	39,859	88	51,457	91	49,830	85	37,695	93	54,167	90	28
27	57,640	86	69,512	88	54,276	82	67,617	91	64,084	87	27
26	62,011	82	91,709	84	56,394	78	60,560	87	73,443	83	26
25	72,434	78	92,545	78	59,929	75	96,207	83	85,920	79	25
24	99,058	74	116,052	73	91,854	71	130,760	77	97,383	74	24
23	87,707	68	102,611	66	91,121	66	118,479	69	105,317	68	23
22	95,187	63	86,506	60	94,101	60	123,374	62	111,566	62	22
21	123,133	57	58,145	54	117,496	55	140,633	55	116,199	55	21
20	108,067	50	85,525	51	97,076	48	149,855	47	114,325	48	20
19	88,852	43	90,792	46	91,843	42	111,678	38	112,583	41	19
18	73,176	38	110,340	40	117,242	36	112,991	31	110,415	34	18
17	69,791	33	139,380	34	84,106	29	77,293	24	103,221	28	17
16	86,766	29	197,530	25	73,784	24	71,271	19	94,775	21	16
15	94,124	24	140,725	14	89,923	20	59,260	15	84,274	16	15
14	69,967	18	54,812	5	76,681	15	51,623	12	71,373	11	14
13	46,314	14	21,241	2	53,479	10	47,200	8	54,925	6	13
12	40,259	11	5,222	1	55,772	7	34,541	6	33,931	3	12
11	43,182	9	1,885	1	27,605	3	25,616	4	13,524	1	11
10	43,054	6	673	1	15,788	2	21,080	2	3,589	1	10
9	26,252	4	218	1	6,169	1	7,439	1	1,151	1	9
8	22,949	2	140	1	2,983	1	2,595	1	400	1	8
7	9,522	1	36	1	1,799	1	1,159	1	128	1	7
6	3,299	1	89	1	832	1	661	1	38	1	6
5	1,216	1	5	1	455	1	230	1	16	1	5
4	398	1	41	1	192	1	120	1	6	1	4
3	143	1	0	1	128	1	145	1	2	1	3
2	46	1	0	1	87	1	6	1	2	1	2
1	26	1	24	1	31	1	57	1	1	1	1
Avg (SD)	20.5 (6.5)		21.1 (5.3)		21.3 (6.2)		20.9 (5.2)		21.1 (5.3)		Avg (SD)

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

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

Total Students in Report: 1,666,017

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ 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	61,960	100	19,352	100	42,329	100	54,170	100	72,972	100	17,624	100	20,683	100	18
17	69,116	96	25,291	99	74,627	97	81,306	97	75,036	96	11,202	99	5,415	99	17
16	87,379	92	92,206	97	95,111	93	100,164	92	55,322	91	47,860	98	55,620	98	16
15	61,864	87	96,873	92	82,350	87	91,848	86	98,617	88	66,121	95	88,978	95	15
14	106,965	83	123,089	86	105,407	82	119,059	80	112,335	82	142,749	91	127,941	90	14
13	70,760	77	141,154	79	131,484	76	125,149	73	155,498	75	192,726	83	151,328	82	13
12	131,037	73	168,644	70	177,231	68	135,566	66	157,881	66	148,029	71	193,094	73	12
11	154,803	65	195,103	60	136,393	57	131,907	58	151,711	56	218,590	62	183,572	61	11
10	187,859	55	152,645	48	166,280	49	153,415	50	141,998	47	235,953	49	229,583	50	10
9	150,429	44	193,475	39	163,020	39	158,290	40	114,020	39	215,299	35	191,775	37	9
8	136,674	35	135,809	28	154,218	30	146,375	31	190,578	32	171,231	22	162,589	25	8
7	133,391	27	108,317	19	164,595	20	104,765	22	188,583	20	85,804	12	112,329	15	7
6	106,922	19	68,517	13	82,707	10	117,494	16	88,801	9	49,027	7	62,396	9	6
5	86,034	12	65,339	9	50,675	5	83,174	9	41,597	4	32,755	4	28,608	5	5
4	58,284	7	51,852	5	23,442	2	37,725	4	13,581	1	12,464	2	28,496	3	4
3	42,940	4	22,530	2	9,998	1	18,531	2	4,870	1	10,773	1	9,796	1	3
2	17,531	1	5,221	1	4,405	1	6,642	1	2,229	1	2,704	1	9,541	1	2
1	2,069	1	600	1	1,745	1	437	1	388	1	5,106	1	4,273	1	1
Avg (SD)	10.2 (4.0)		10.5 (3.4)		10.8 (3.6)		10.8 (3.8)		10.9 (3.6)		10.7 (2.9)		10.6 (3.1)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	25	25	24	25
Q2 (50th Percentile)	21	20	21	21	21
Q1 (25th Percentile)	16	16	17	18	17

Total Students in Report: 1,666,017

**Table 2.4. Average ACT Composite Scores for Race/Ethnicity<sup>1</sup> by Level of Preparation**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>2</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
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

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

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

**Table 2.5. Average ACT Scores by Race/Ethnicity<sup>1</sup>**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
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

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



Total Students in Report: 1,666,017

**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	%
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
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	
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 1,666,017

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
National	Core or More <sup>2</sup>	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 <sup>3</sup>	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

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

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

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

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

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

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
National	Core or More <sup>2</sup>	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 <sup>3</sup>	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9

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

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

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

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

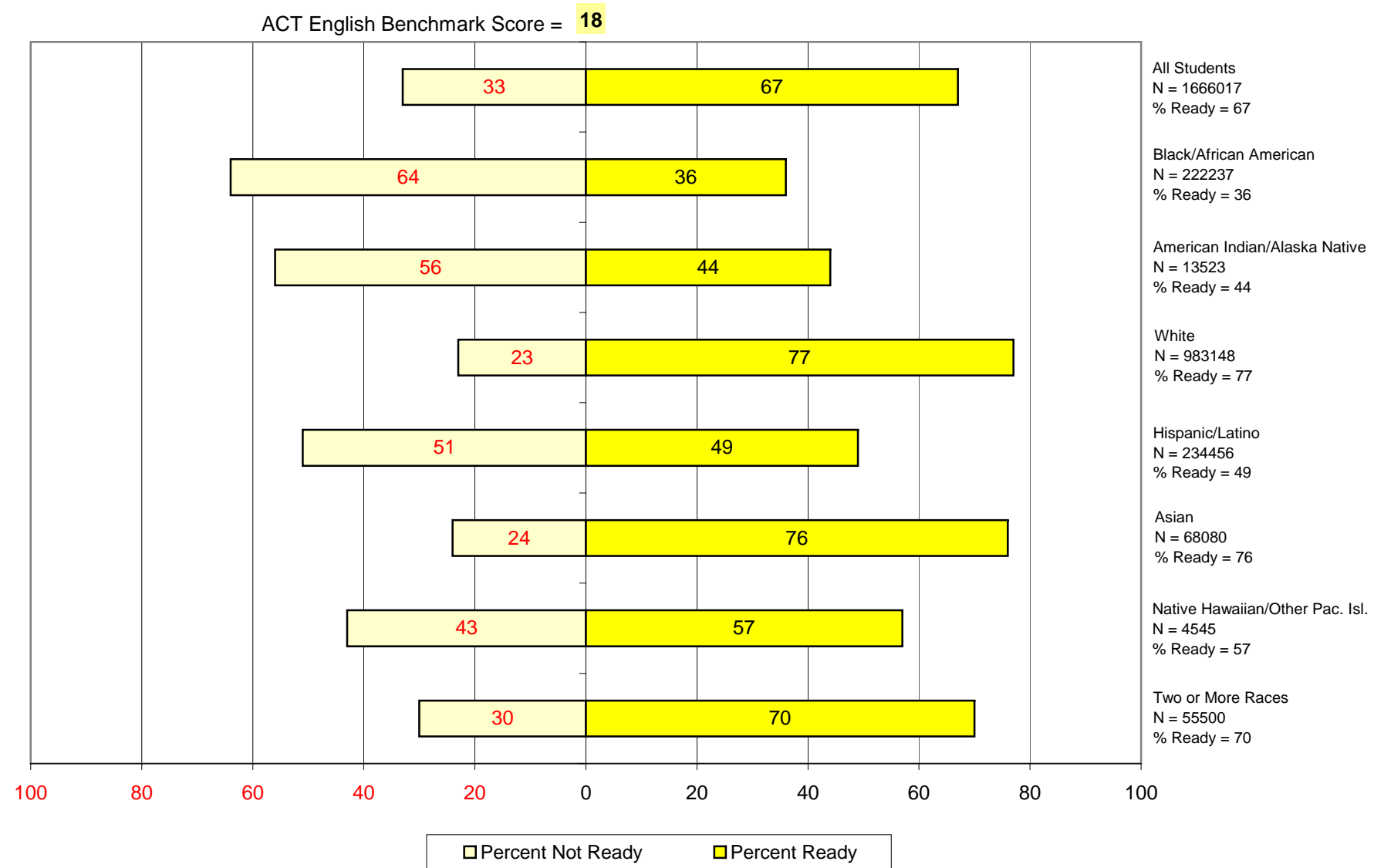
# Section III

## College Readiness and the Impact of Course Rigor

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: 1,666,017

**Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ENGLISH**

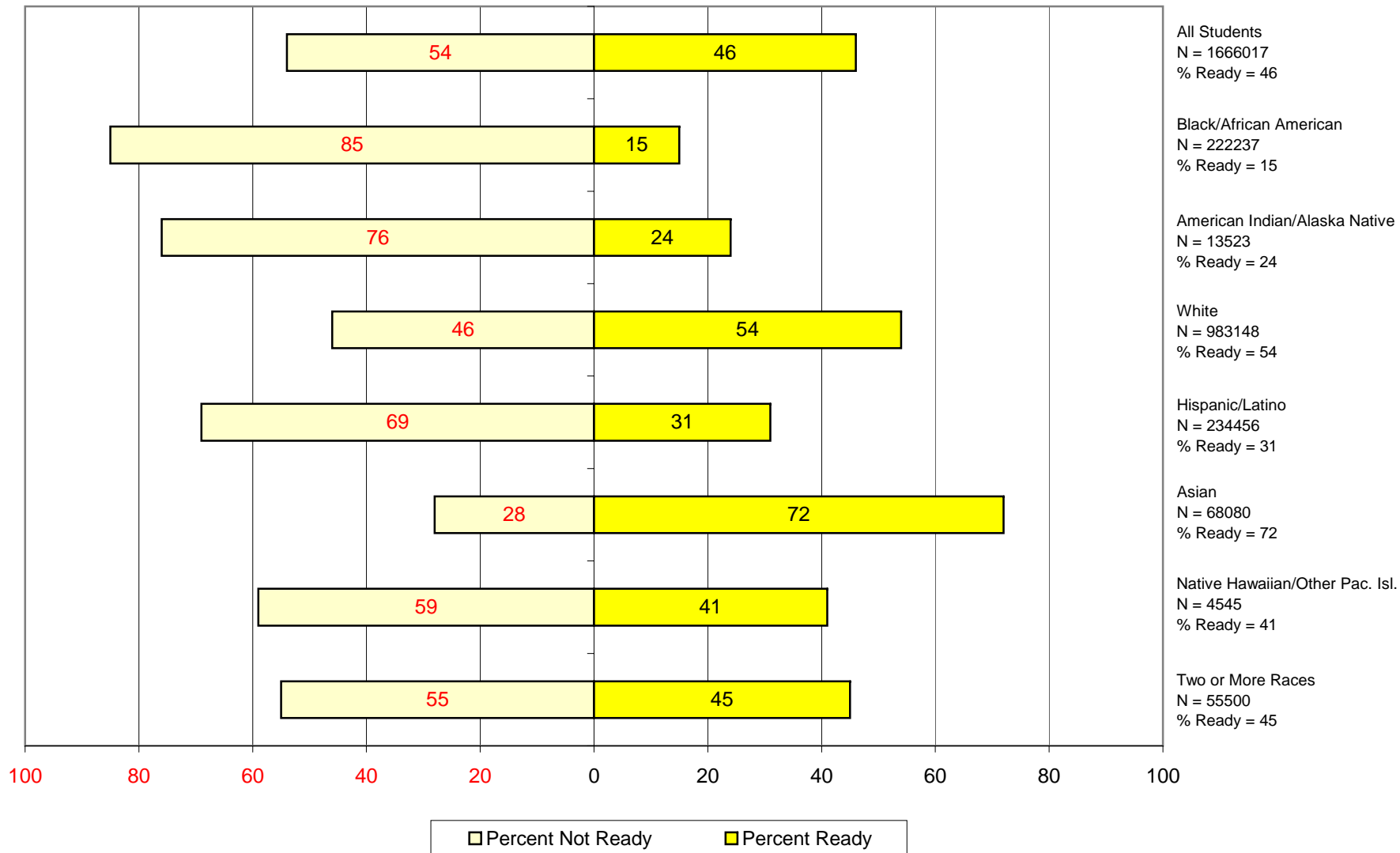


<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 1,666,017

**Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: MATHEMATICS**

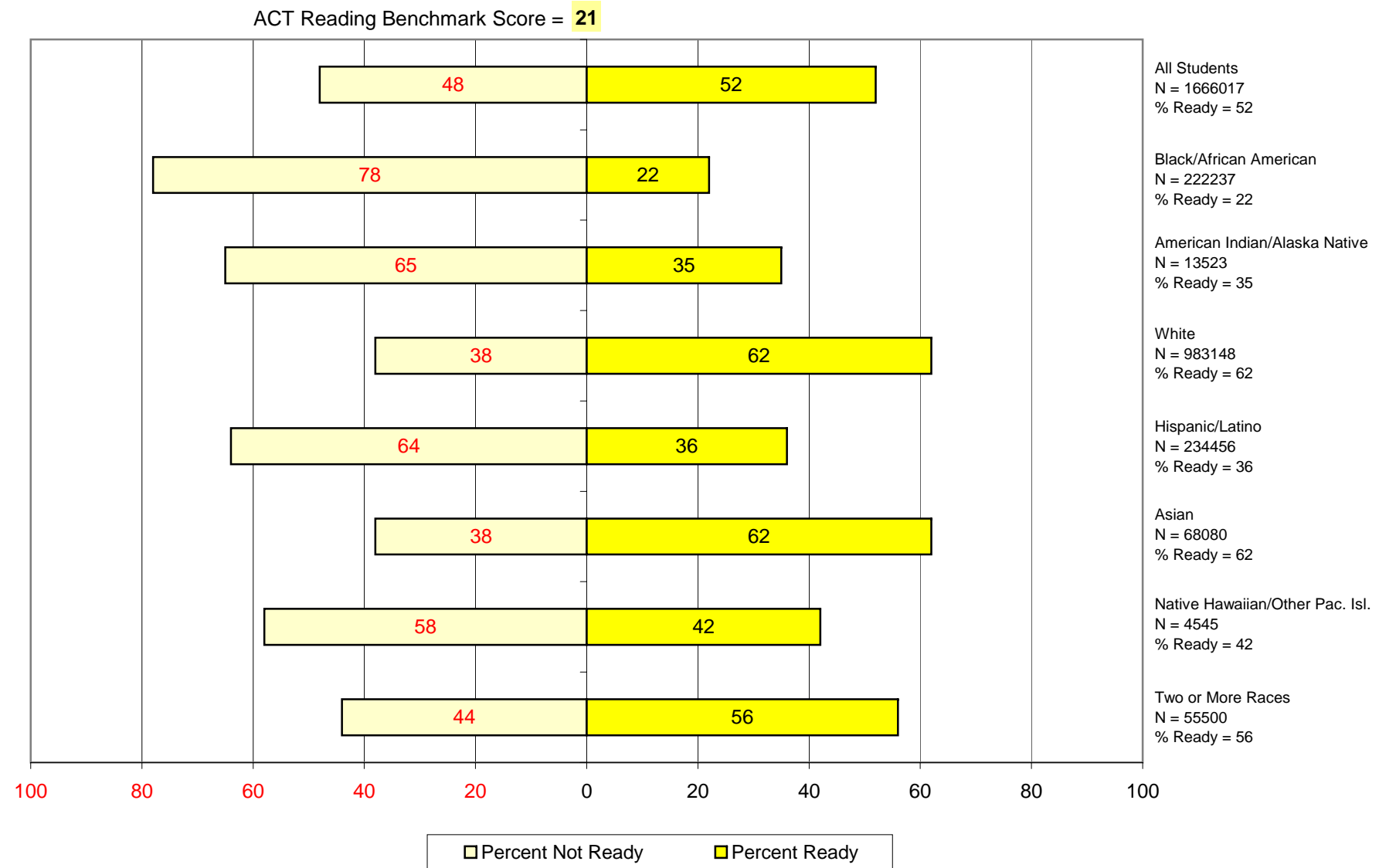
ACT Mathematics Benchmark Score = **22**



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

Total Students in Report: 1,666,017

**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: READING**

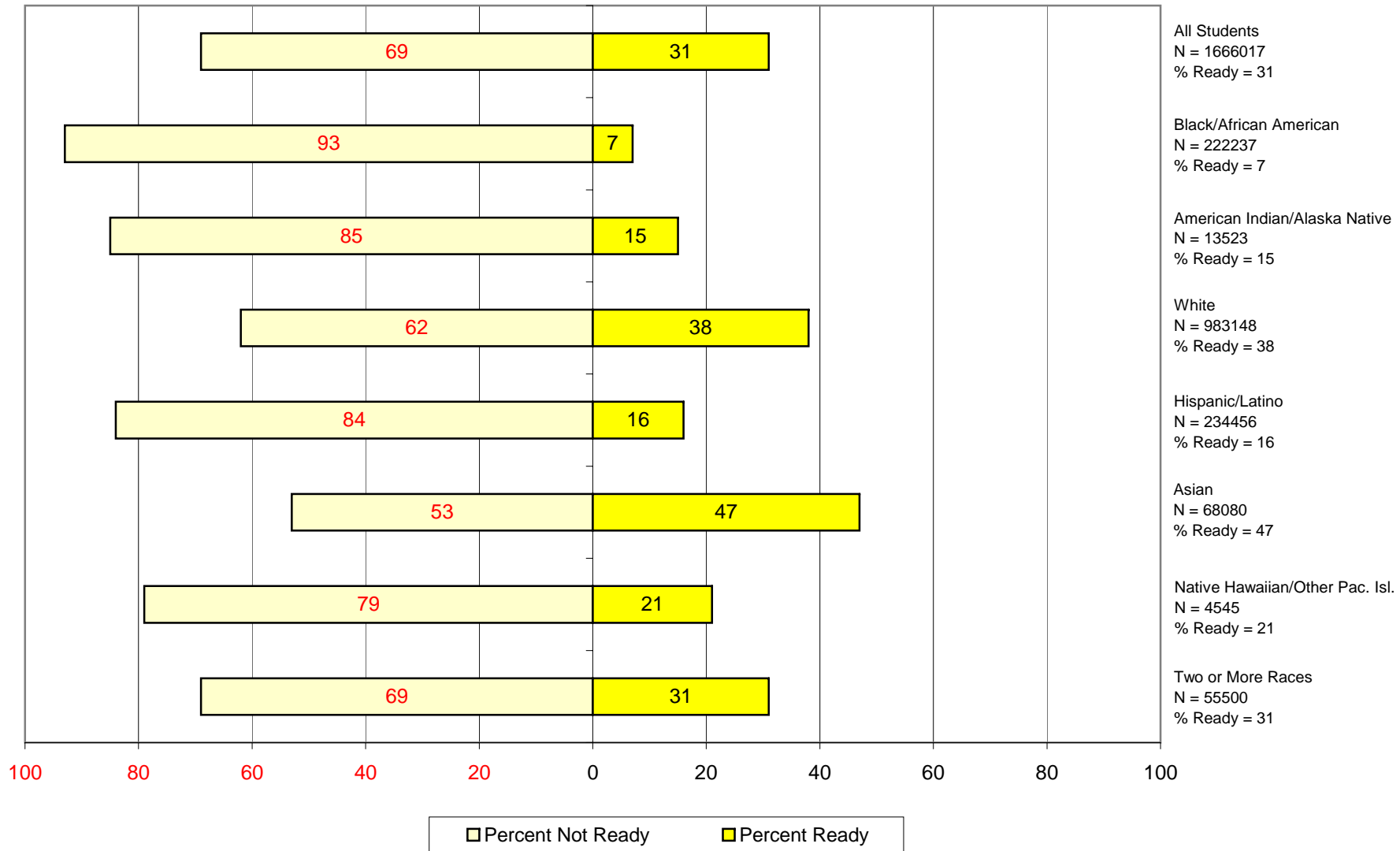


<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 1,666,017

**Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: SCIENCE**

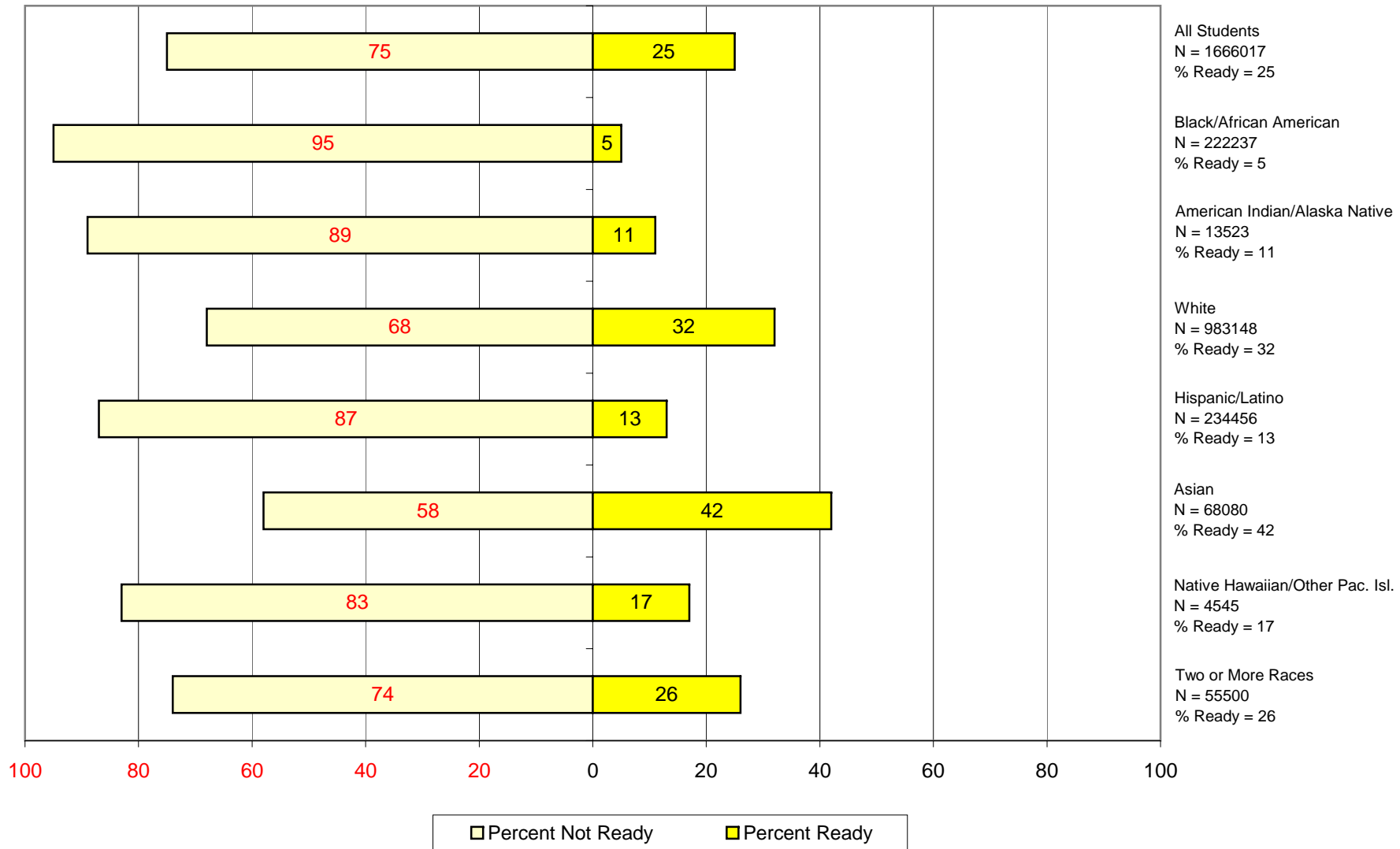
ACT Science Benchmark Score = **24**



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

Total Students in Report: 1,666,017

**Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ALL FOUR**



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



Total Students in Report: 1,666,017

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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	380,162	23	21.7	5.2	159,001	21	21.2	5.1	220,844	25	22.0	5.0
Eng 9, Eng 10, Eng 11, Eng 12	1,178,400	71	20.5	4.0	546,464	72	20.3	4.2	630,211	70	20.8	3.8
Less than 4 years of English	64,748	4	16.5	-	33,594	4	16.1	-	30,621	3	17.0	-
Zero years / no English courses reported	42,707	3	16.5	-	22,495	3	16.2	-	18,949	2	17.0	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	108,668	7	24.0	7.4	49,377	6	24.8	8.1	59,177	7	23.4	7.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	151,050	9	22.0	5.4	58,177	8	22.6	5.9	92,725	10	21.7	5.3
Alg 1, Alg 2, Geom, & Trig	115,739	7	19.6	3.0	50,332	7	20.1	3.4	65,191	7	19.3	2.9
Alg 1, Alg 2, Geom, & Other Adv Math	279,658	17	19.9	3.3	110,453	15	20.3	3.6	168,797	19	19.6	3.2
Other comb of 4 or more years of Math	585,086	35	23.6	7.0	290,677	38	24.4	7.7	293,990	33	22.9	6.5
Alg 1, Alg 2, & Geom	228,058	14	17.3	0.7	104,417	14	17.6	0.9	122,873	14	17.1	0.7
Other comb of 3 or 3.5 years of Math	82,509	5	19.9	3.3	39,438	5	20.2	3.5	42,910	5	19.6	3.2
Less than 3 years of Math	69,741	4	16.6	-	34,771	5	16.7	-	34,656	4	16.4	-
Zero years / no Math courses reported	45,508	3	18.2	-	23,912	3	18.5	-	20,306	2	17.9	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	47,179	3	22.3	2.6	23,948	3	22.1	2.7	23,187	3	22.6	2.5
Other comb of 4 or more years Social Science	887,744	53	21.9	2.2	393,035	52	21.8	2.4	493,783	55	21.9	1.8
US Hist, World Hist, & Am Gov	84,563	5	20.2	0.5	41,654	5	20.1	0.7	42,729	5	20.3	0.2
Other comb of 3 or 3.5 years of Social Science	452,172	27	21.2	1.5	205,100	27	21.0	1.6	246,217	27	21.3	1.2
Less than 3 years of Social Science	149,266	9	19.7	-	73,992	10	19.4	-	74,740	8	20.1	-
Zero years / no Social Science courses reported	45,093	3	17.8	-	23,825	3	17.5	-	19,969	2	18.1	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	740,499	44	21.9	3.5	360,415	47	22.6	4.2	379,356	42	21.3	2.9
Bio, Chem, Phys	171,734	10	23.0	4.6	80,083	11	23.9	5.5	91,483	10	22.2	3.8
Gen Sci <sup>2</sup> , Bio, Chem	466,992	28	20.0	1.6	183,587	24	20.2	1.8	282,519	31	20.0	1.6
Other comb of 3 years of Natural Science	45,992	3	19.5	1.1	25,049	3	20.1	1.7	20,730	2	18.8	0.4
Less than 3 years of Natural Science	194,661	12	18.4	-	88,123	12	18.4	-	105,997	12	18.4	-
Zero years / no Natural Science courses reported	46,139	3	17.9	-	24,297	3	18.1	-	20,540	2	17.8	-

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

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

Total Students in Report: 1,666,017

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
<b>ENGLISH COURSE PATTERN</b>				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	1,178,400	71	20.5	67
Less than 4 years of English	64,748	4	16.5	41
Zero years / no English courses reported	42,707	3	16.5	40
<b>MATHEMATICS COURSE PATTERN</b>				
Alg 1, Alg 2, Geom, Trig, & Calc	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	279,658	17	19.9	36
Other comb of 4 or more years of Math	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	82,509	5	19.9	35
Less than 3 years of Math	69,741	4	16.6	8
Zero years / no Math courses reported	45,508	3	18.2	22
<b>SOCIAL SCIENCE COURSE PATTERN</b>				
US Hist, World Hist, Am Gov, & Other Hist	47,179	3	22.3	59
Other comb of 4 or more years Social Science	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	452,172	27	21.2	51
Less than 3 years of Social Science	149,266	9	19.7	40
Zero years / no Social Science courses reported	45,093	3	17.8	29
<b>NATURAL SCIENCE COURSE PATTERN</b>				
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	740,499	44	21.9	39
Bio, Chem, Phys	171,734	10	23.0	47
Gen Sci <sup>1</sup> , Bio, Chem	466,992	28	20.0	22
Other comb of 3 years of Natural Science	45,992	3	19.5	20
Less than 3 years of Natural Science	194,661	12	18.4	13
Zero years / no Natural Science courses reported	46,139	3	17.9	14

<sup>1</sup>Includes 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: 1,666,017

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

Planned Educational Major <sup>1</sup>	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>2</sup>	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	26,704	2	19.8	3,319	4	16.7	21,563	2	20.3
Architecture	22,283	1	21.1	939	1	16.6	19,449	1	21.4
Area, Ethnic, & Multidisciplinary Studies	2,554	0	22.3	148	0	15.7	2,148	0	23.0
Arts: Visual & Performing	111,591	7	20.5	8,431	9	16.7	93,698	7	20.9
Business	154,701	9	20.9	9,218	10	16.5	133,205	10	21.2
Communications	37,312	2	21.5	1,015	1	16.8	33,479	2	21.7
Community, Family, & Personal Services	47,265	3	18.2	7,789	9	16.5	35,793	3	18.7
Computer Science & Mathematics	39,397	2	22.4	2,285	3	17.7	34,119	2	22.8
Education	94,586	6	20.6	2,663	3	16.2	86,368	6	20.8
Engineering	115,222	7	23.5	4,172	5	16.3	102,696	7	23.9
Engineering Technology & Drafting	24,420	1	20.0	3,166	3	16.3	19,468	1	20.8
English & Foreign Languages	21,321	1	23.9	481	1	18.1	19,176	1	24.1
Health Administration & Assisting	53,026	3	18.0	4,886	5	16.0	43,587	3	18.3
Health Sciences & Technologies	315,407	19	21.0	12,832	14	17.0	285,379	21	21.3
Philosophy, Religion, & Theology	8,050	0	21.9	241	0	18.3	7,107	1	22.1
Repair, Production, & Construction	19,528	1	17.4	8,742	10	16.7	8,840	1	18.3
Sciences: Biological & Physical	105,910	6	23.7	1,072	1	17.2	97,667	7	23.8
Social Sciences & Law	138,103	8	21.4	3,282	4	16.6	124,930	9	21.6
Undecided	250,241	15	21.7	11,655	13	16.8	197,225	14	22.2
No Response	76,058	5	17.5	3,723	4	14.4	10,676	1	18.3

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

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

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

Total Students in Report: 1,666,017

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic<sup>1</sup> 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	23,995	16.4	4,398	14.3	350	15.3	13,101	17.3	3,643	15.4
2-yr College Degree	66,741	16.6	10,193	14.5	990	15.4	38,687	17.5	10,927	15.5
Bachelors Degree	754,296	20.2	101,730	16.5	6,430	18.0	474,651	21.4	97,960	18.3
Graduate Study	259,746	23.6	23,551	18.8	1,379	20.9	171,745	24.6	29,103	21.3
Prof. Level Degree	363,905	23.1	52,973	18.9	2,738	20.5	192,696	24.6	55,028	20.8
Other	29,969	17.8	4,665	15.1	365	15.7	15,334	18.9	5,242	16.4
No Response	167,365	19.9	24,727	15.7	1,271	16.8	76,934	21.8	32,553	17.2

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	23,995	16.4	609	18.6	57	15.2	583	16.8	1,254	16.0
2-yr College Degree	66,741	16.6	832	16.2	137	15.3	1,751	17.2	3,224	16.1
Bachelors Degree	754,296	20.2	19,572	20.9	1,994	18.9	24,098	20.3	27,861	20.0
Graduate Study	259,746	23.6	11,559	24.9	666	21.7	8,640	23.6	13,103	23.7
Prof. Level Degree	363,905	23.1	25,222	25.7	1,003	22.1	14,590	23.1	19,655	23.8
Other	29,969	17.8	1,111	19.6	103	17.0	975	18.8	2,174	18.3
No Response	167,365	19.9	9,175	23.5	585	18.8	4,863	20.6	17,257	20.1

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

**Table 4.3. Students' Score Report Preferences at Time of Testing (table omitted for this report)**

# 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: 1,666,017

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity<sup>1</sup> and Gender for students who took ACT Writing**

	N	Average ACT Scores		
		English National	Writing National	English/Writing Combined National
<b>All Students</b>	<b>931,148</b>	<b>21.5</b>	<b>7.1</b>	<b>20.7</b>
Black/African American	113,247	16.6	6.2	16.4
American Indian/Alaska Native	5,233	17.8	6.5	17.5
White	518,974	23.2	7.2	22.1
Hispanic/Latino	150,249	18.5	6.8	18.3
Asian	53,381	23.7	7.6	22.8
Native Hawaiian/Other Pac. Isl.	2,851	19.9	7.1	19.6
Two or more races	32,346	21.9	7.1	21.1
Prefer not/No Response	54,867	21.8	7.1	21.0
Males	413,617	21.2	6.8	20.3
Females	515,745	21.7	7.2	21.1
Missing	1,786	16.8	6.3	16.6

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





