

ACT Profile Report - National

Graduating Class 2013
National



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2013 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 2013. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

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 who met or exceeded 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, updated for 2013, are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

26% 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: 1,799,243 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. 74% 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, 7% were college ready. 12% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 11% of these students were college ready. In comparison, 52% 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. 17% of these students were college ready. In comparison, 40% 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 48% 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 ACT Customer Service at 1-319-337-1309 or customerservices@act.org.

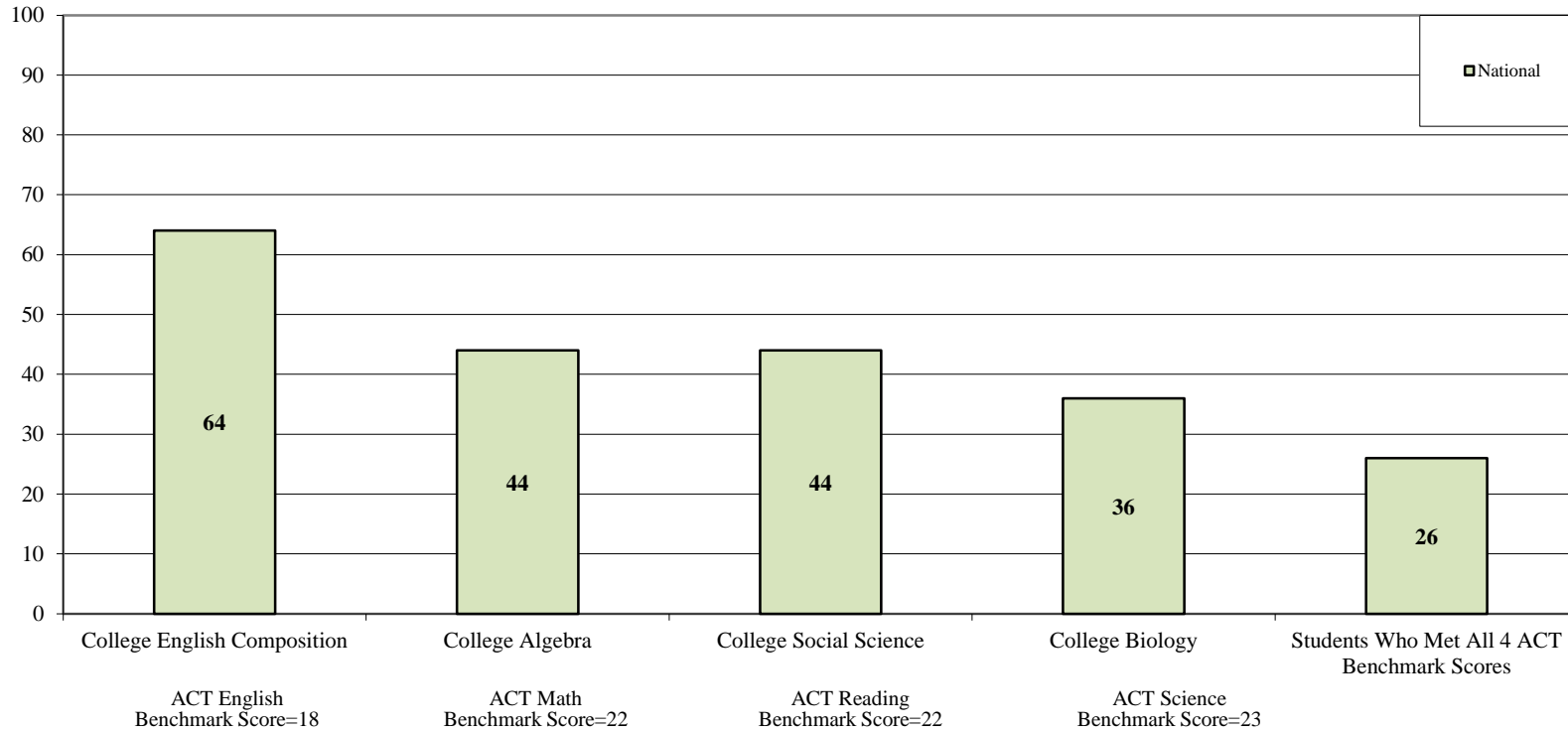
Section I

Executive Summary

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

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: 1,799,243

Table 1.1. Five Year Trends—Percent of Students Who Met College Readiness Benchmarks

Year	Number of Students Tested National	Percent Who Met Benchmarks				
		English National	Mathematics National	Reading National	Science National	Met All Four National
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
2012	1,666,017	67	46	52	31	25
2013	1,799,243	64	44	44	36	26

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
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
2013	1,799,243	20.2	20.9	21.1	20.7	20.9

Total Students in Report: 1,799,243

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
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
2012	1,259,744	355,849	76	21	21.3	18.3	21.8	19.1	22.0	19.4	21.6	19.1	21.8	19.1
2013	1,322,739	396,592	74	22	21.2	17.8	21.7	18.9	22.0	19.0	21.5	18.8	21.7	18.7

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

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


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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,480,469	100	21.1	1,568,835	100	21.0	1,623,112	100	21.1	1,666,017	100	21.1	1,799,243	100	20.9
Black/African American	196,149	13	16.9	214,836	14	16.9	223,383	14	17.0	222,237	13	17.0	239,598	13	16.9
American Indian/Alaska Native	15,773	1	18.9	16,382	1	19.0	14,970	1	18.6	13,523	1	18.4	14,217	1	18.0
White	941,206	64	22.2	979,329	62	22.3	981,585	60	22.4	983,148	59	22.4	1,034,712	58	22.2
Hispanic/Latino	133,569	9	18.7	157,579	10	18.6	200,661	12	18.7	234,456	14	18.9	259,741	14	18.8
Asian	59,093	4	23.2	65,362	4	23.4	66,650	4	23.6	68,080	4	23.6	71,677	4	23.5
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	2,244	0	19.5	4,545	0	19.8	4,772	0	19.5
Two or more races	35,624	2	21.0	42,797	3	21.0	46,378	3	21.1	55,500	3	21.4	64,221	4	21.1
Prefer not to respond/No response	99,055	7	20.9	92,550	6	20.5	87,241	5	20.7	84,528	5	21.3	110,305	6	20.7

Total Students in Report: 1,799,243

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

CRS Range	English (Benchmark = 18)	Mathematics (Benchmark = 22)	Reading (Benchmark = 22)	Science (Benchmark = 23)
1-12	13%	1%	8%	7%
13-15	13%	14%	13%	10%
16-19	18%	33%	21%	23%
20-23	25%	19%	24%	30%
24-27	16%	21%	15%	20%
28-32	10%	9%	13%	8%
33-36	5%	3%	5%	2%
% At or Above Benchmark	64%	44%	44%	36%

 = National

Total Students in Report: 1,799,243

Table 1.7. Average ACT College Reportable Scores by Test Session Duration

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	26

Section II

Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 1,799,243

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	6,313	100	6,443	100	15,894	100	7,562	100	1,162	100	36
35	19,884	100	10,657	100	9,090	99	10,286	100	5,787	100	35
34	25,377	99	19,409	99	28,983	99	9,110	99	11,162	100	34
33	30,272	97	15,139	98	35,764	97	9,075	99	16,392	99	33
32	24,812	95	18,619	97	40,167	95	17,878	98	22,798	98	32
31	30,728	94	17,770	96	58,469	93	22,308	97	29,924	97	31
30	34,531	92	27,102	95	45,831	90	27,863	96	37,980	95	30
29	36,683	90	35,859	94	45,036	87	32,334	94	45,572	93	29
28	48,918	88	57,211	92	50,140	84	38,482	92	56,351	91	28
27	49,154	86	77,142	88	53,853	82	50,805	90	65,907	87	27
26	67,626	83	94,189	84	57,466	79	68,990	87	76,430	84	26
25	77,760	79	103,354	79	60,845	76	110,265	84	88,132	79	25
24	96,555	75	110,417	73	105,559	72	134,540	77	101,009	75	24
23	95,634	70	102,853	67	85,458	66	112,864	70	108,947	69	23
22	102,382	64	88,344	61	103,080	62	126,289	64	117,633	63	22
21	123,670	59	83,347	56	123,647	56	164,600	57	121,225	56	21
20	125,712	52	69,278	52	112,751	49	138,778	48	120,228	50	20
19	83,259	45	99,399	48	103,199	43	129,034	40	118,670	43	19
18	76,190	40	112,082	42	102,598	37	116,173	33	117,323	36	18
17	72,933	36	169,772	36	92,782	31	80,452	26	110,954	30	17
16	95,336	32	209,563	27	86,127	26	87,448	22	105,419	24	16
15	104,477	26	158,999	15	88,525	21	69,466	17	96,012	18	15
14	79,042	21	70,959	6	79,393	16	59,985	13	84,721	12	14
13	58,545	16	28,426	2	72,151	12	54,389	10	68,999	8	13
12	52,820	13	8,301	1	66,619	8	42,040	7	44,575	4	12
11	57,957	10	3,021	1	38,916	4	38,002	4	18,652	1	11
10	48,864	7	765	1	19,530	2	22,004	2	4,906	1	10
9	33,001	4	346	1	7,978	1	10,137	1	1,514	1	9
8	24,274	2	233	1	4,215	1	4,456	1	523	1	8
7	10,374	1	49	1	2,321	1	1,775	1	231	1	7
6	3,929	1	93	1	1,504	1	946	1	62	1	6
5	1,373	1	5	1	629	1	327	1	30	1	5
4	553	1	57	1	402	1	226	1	7	1	4
3	207	1	5	1	115	1	226	1	3	1	3
2	66	1	0	1	147	1	22	1	2	1	2
1	32	1	35	1	59	1	106	1	1	1	1
Avg (SD)	20.2 (6.5)		20.9 (5.3)		21.1 (6.3)		20.7 (5.3)		20.9 (5.4)		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: 1,799,243

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subscore 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	59,404	100	30,697	100	48,590	100	60,489	100	73,378	100	13,224	100	17,925	100	18
17	85,348	97	16,495	98	85,544	97	84,983	97	74,343	96	23,037	99	3,949	99	17
16	69,864	92	90,271	97	95,267	93	106,332	92	75,820	92	37,747	98	64,268	99	16
15	78,320	88	108,785	92	94,400	87	116,199	86	111,007	88	95,359	96	94,954	95	15
14	89,631	84	121,884	86	108,577	82	105,213	80	107,117	81	137,033	91	133,433	90	14
13	101,668	79	142,515	80	138,181	76	125,851	74	149,867	75	196,878	83	150,789	83	13
12	119,094	73	197,576	72	183,389	68	134,385	67	159,563	67	181,756	72	218,177	74	12
11	177,352	66	177,449	61	163,713	58	182,180	59	154,975	58	210,511	62	185,729	62	11
10	192,714	57	167,713	51	164,722	49	149,317	49	163,294	50	255,613	50	190,197	52	10
9	166,779	46	203,352	41	187,683	40	145,594	41	120,453	41	197,670	36	280,656	41	9
8	139,720	37	161,393	30	170,360	29	158,969	33	187,534	34	207,845	25	181,037	26	8
7	144,361	29	120,512	21	152,750	20	121,584	24	222,445	23	100,151	13	108,704	15	7
6	122,428	21	91,001	14	92,815	11	116,245	17	112,569	11	69,951	8	70,684	9	6
5	106,805	14	75,935	9	69,444	6	108,786	11	54,626	5	25,666	4	41,216	5	5
4	73,664	8	58,905	5	21,325	2	52,424	5	20,876	2	24,305	3	28,613	3	4
3	50,604	4	28,101	2	13,202	1	20,839	2	8,163	1	14,231	1	13,206	2	3
2	19,166	1	5,749	1	6,621	1	9,208	1	2,768	1	3,018	1	9,860	1	2
1	2,321	1	910	1	2,660	1	645	1	445	1	5,248	1	5,846	1	1
Avg (SD)	10.0 (4.0)		10.4 (3.5)		10.8 (3.6)		10.7 (3.9)		10.8 (3.7)		10.6 (3.0)		10.4 (3.1)		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	25	24	25
Q2 (50th Percentile)	20	20	21	21	21
Q1 (25th Percentile)	15	16	16	17	17

Total Students in Report: 1,799,243

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
National	All Students	1,799,243	74	21.7	18.7
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	18.4

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.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
National	All Students	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7

Total Students in Report: 1,799,243

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	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

Table 2.8. Percent of Students Who Met College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

Total Students in Report: 1,799,243

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
National	Core or More ²	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing ³	79,912	36	16.0	19	17.8	24	17.5	17	17.7	10	17.4

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 met 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
National	Core or More ²	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing ³	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	17.8

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

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

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

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

Section III

College Readiness and the Impact of Course Rigor

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 1,799,243

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

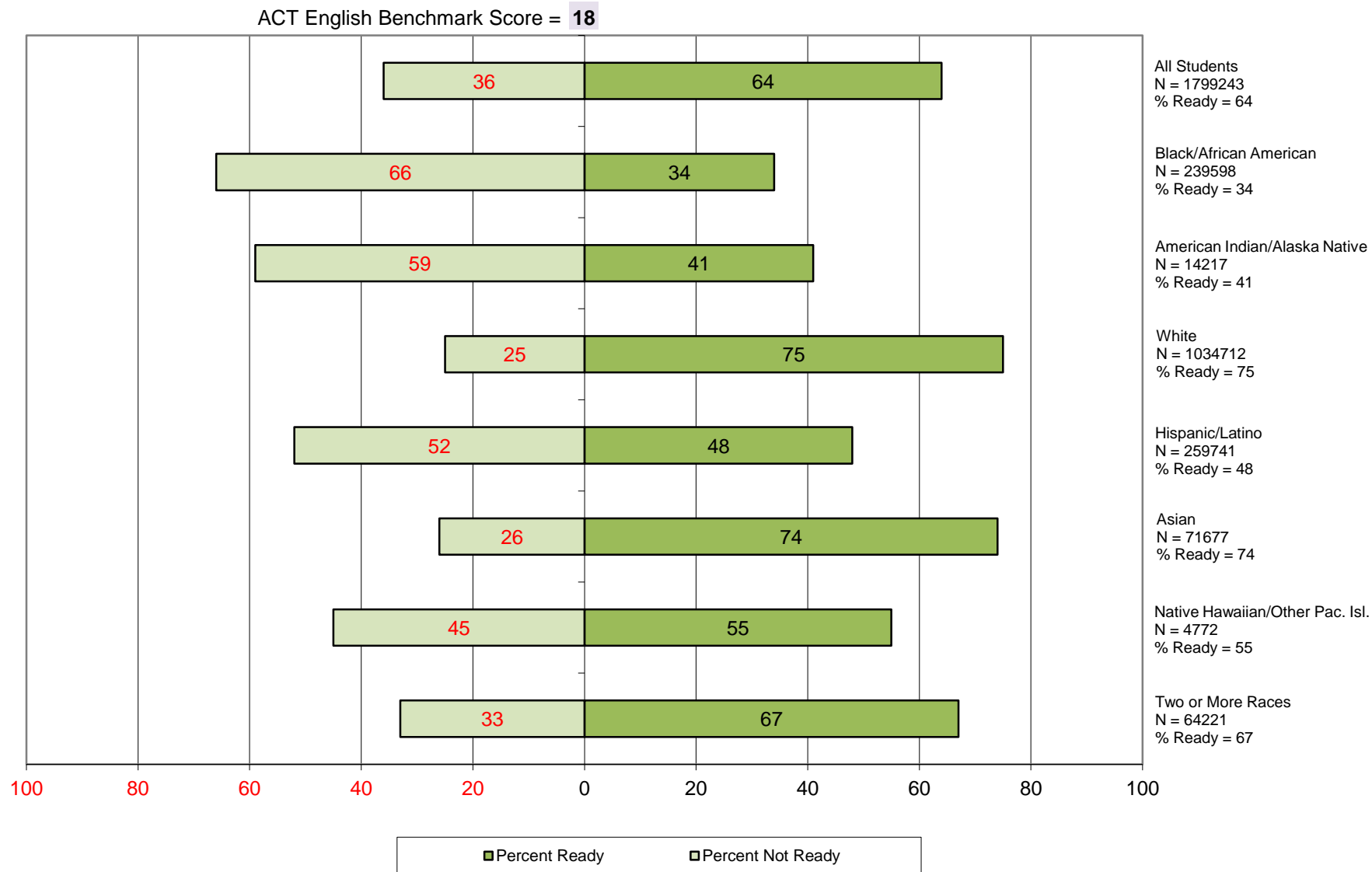


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

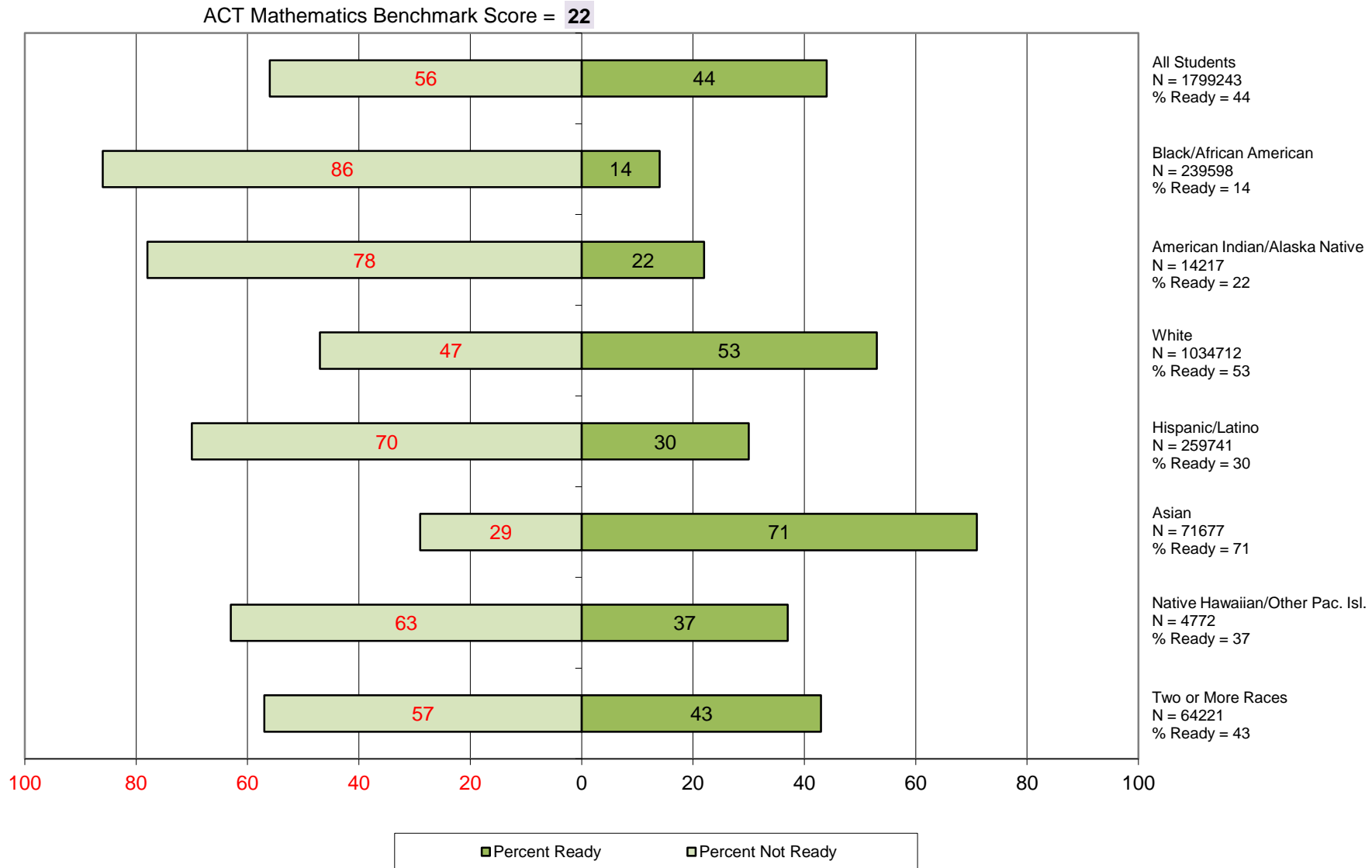


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

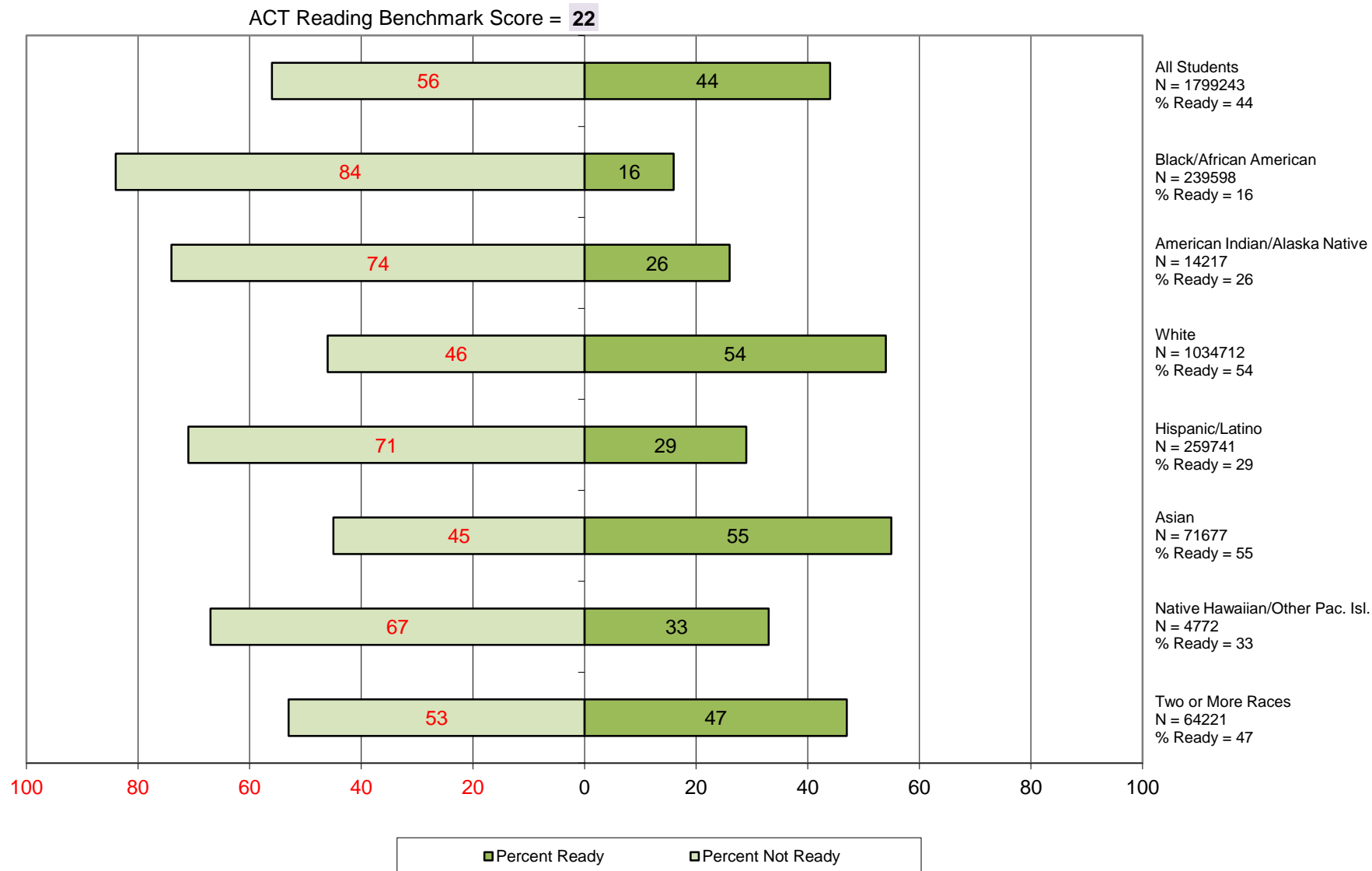
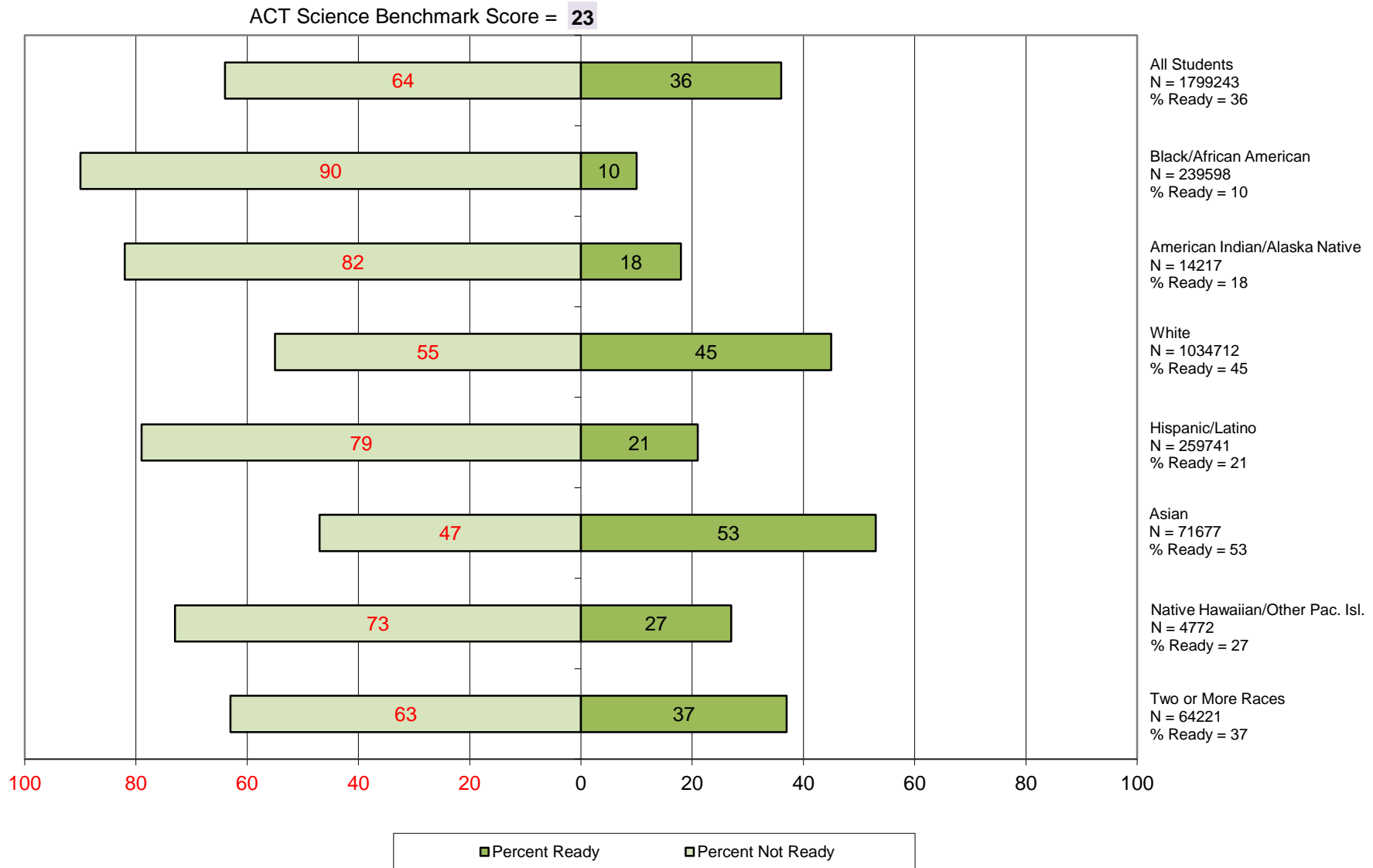
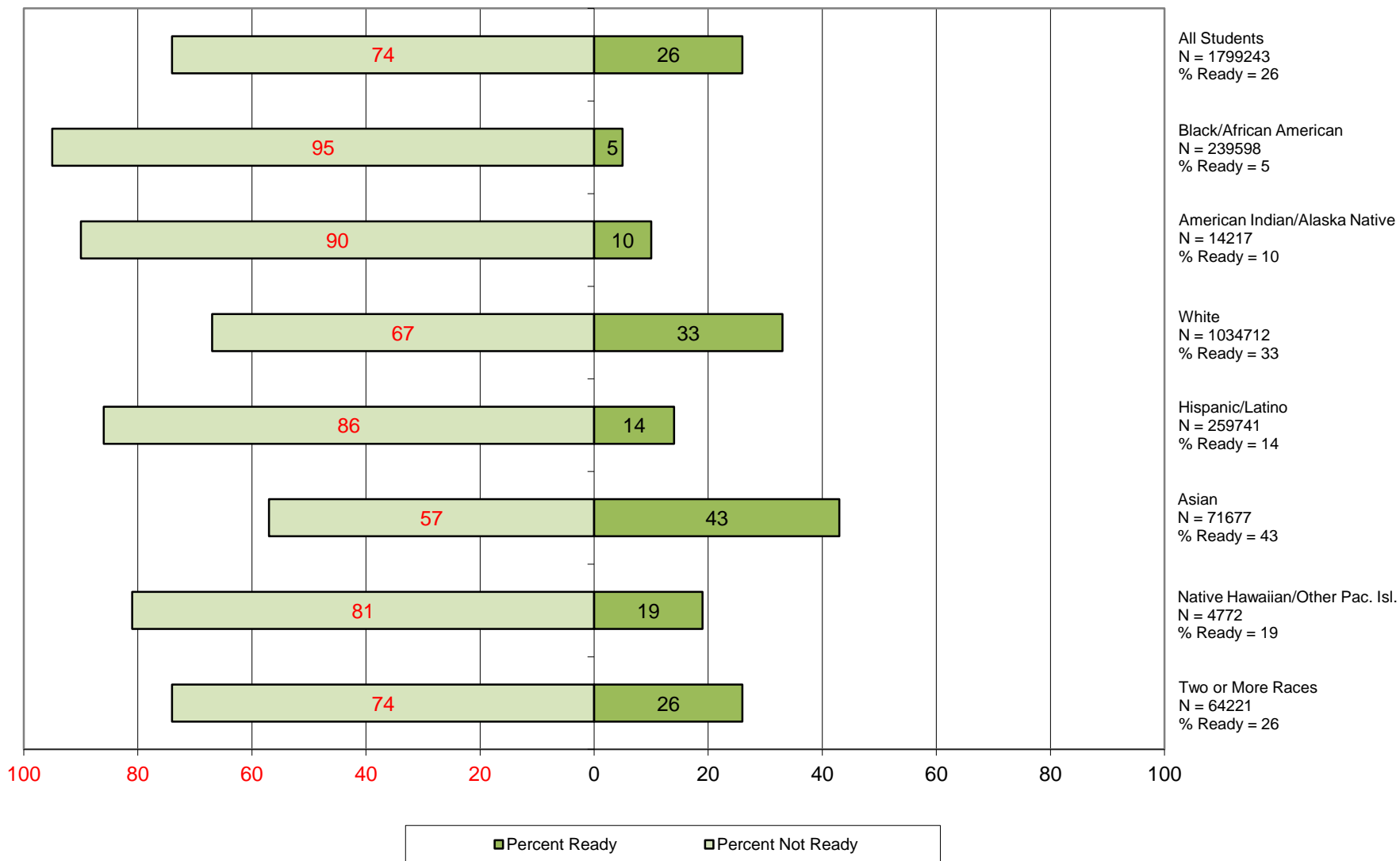


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 1,799,243

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



Total Students in Report: 1,799,243

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	380,375	21	21.6	5.7	160,213	19	21.2	5.7	219,379	23	21.9	5.4
Eng 9, Eng 10, Eng 11, Eng 12	1,265,911	70	20.3	4.4	593,342	71	20.1	4.6	668,260	70	20.6	4.1
Less than 4 years of English	84,048	5	15.9	-	44,860	5	15.5	-	37,898	4	16.5	-
Zero years / no English courses reported	68,909	4	16.4	-	37,016	4	16.0	-	29,382	3	16.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	113,999	6	23.8	7.5	51,655	6	24.5	8.1	62,095	7	23.2	6.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	155,095	9	21.9	5.6	60,153	7	22.4	6.0	94,664	10	21.6	5.3
Alg 1, Alg 2, Geom, & Trig	119,993	7	19.4	3.1	53,287	6	19.8	3.4	66,250	7	19.2	2.9
Alg 1, Alg 2, Geom, & Other Adv Math	336,291	19	19.6	3.3	137,172	16	19.8	3.4	197,565	21	19.4	3.1
Other comb of 4 or more years of Math	610,720	34	23.6	7.3	305,385	37	24.3	7.9	304,177	32	22.9	6.6
Alg 1, Alg 2, & Geom	223,733	12	17.2	0.9	105,576	13	17.4	1.0	116,682	12	17.0	0.7
Other comb of 3 or 3.5 years of Math	88,866	5	19.7	3.4	42,873	5	20.0	3.6	45,562	5	19.4	3.1
Less than 3 years of Math	77,906	4	16.3	-	40,256	5	16.4	-	36,939	4	16.3	-
Zero years / no Math courses reported	72,640	4	17.9	-	39,074	5	18.1	-	30,985	3	17.6	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	50,989	3	22.2	3.1	26,297	3	22.0	3.3	24,447	3	22.6	3.0
Other comb of 4 or more years Social Science	908,394	50	22.0	2.9	405,129	48	21.9	3.2	501,260	52	22.1	2.5
US Hist, World Hist, & Am Gov	106,021	6	19.5	0.4	53,146	6	19.3	0.6	52,042	5	19.8	0.2
Other comb of 3 or 3.5 years of Social Science	489,586	27	21.0	1.9	224,266	27	20.8	2.1	263,313	28	21.2	1.6
Less than 3 years of Social Science	171,617	10	19.1	-	87,326	10	18.7	-	83,087	9	19.6	-
Zero years / no Social Science courses reported	72,636	4	17.7	-	39,267	5	17.5	-	30,770	3	18.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	767,293	43	21.9	3.9	377,480	45	22.6	4.8	388,057	41	21.3	3.2
Bio, Chem, Phys	183,685	10	23.0	5.0	86,520	10	23.8	6.0	96,890	10	22.3	4.2
Gen Sci ² , Bio, Chem	504,165	28	19.9	1.9	201,148	24	19.9	2.1	300,645	31	19.9	1.8
Other comb of 3 years of Natural Science	51,822	3	19.1	1.1	28,843	3	19.6	1.8	22,615	2	18.5	0.4
Less than 3 years of Natural Science	218,267	12	18.0	-	101,622	12	17.8	-	115,142	12	18.1	-
Zero years / no Natural Science courses reported	74,011	4	17.8	-	39,818	5	18.0	-	31,570	3	17.7	-

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: 1,799,243

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	1,265,911	70	20.3	65
Less than 4 years of English	84,048	5	15.9	36
Zero years / no English courses reported	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	336,291	19	19.6	32
Other comb of 4 or more years of Math	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	88,866	5	19.7	34
Less than 3 years of Math	77,906	4	16.3	7
Zero years / no Math courses reported	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	50,989	3	22.2	51
Other comb of 4 or more years Social Science	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	489,586	27	21.0	43
Less than 3 years of Social Science	171,617	10	19.1	32
Zero years / no Social Science courses reported	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	767,293	43	21.9	46
Bio, Chem, Phys	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	504,165	28	19.9	28
Other comb of 3 years of Natural Science	51,822	3	19.1	25
Less than 3 years of Natural Science	218,267	12	18.0	17
Zero years / no Natural Science courses reported	74,011	4	17.8	18

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 1,799,243

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	29,316	2	19.6	4,214	4	16.5	23,140	2	20.3
Architecture	21,114	1	20.8	1,037	1	16.0	18,289	1	21.2
Area, Ethnic, & Multidisciplinary Studies	2,455	0	21.8	173	0	15.3	2,038	0	22.5
Arts: Visual & Performing	120,940	7	20.1	10,700	10	16.2	99,992	7	20.6
Business	162,779	9	20.9	9,996	9	16.4	139,721	10	21.3
Communications	37,645	2	21.4	1,213	1	16.4	33,657	2	21.6
Community, Family, & Personal Services	55,620	3	17.8	10,170	9	16.0	41,086	3	18.4
Computer Science & Mathematics	43,218	2	22.6	2,645	2	17.5	37,326	3	23.0
Education	91,346	5	20.4	3,053	3	15.9	82,736	6	20.7
Engineering	132,173	7	23.5	5,466	5	16.1	116,689	8	23.9
Engineering Technology & Drafting	26,419	1	19.4	4,192	4	16.0	20,115	1	20.3
English & Foreign Languages	20,945	1	23.8	579	1	18.1	18,718	1	24.0
Health Administration & Assisting	58,098	3	17.9	5,738	5	15.9	47,230	3	18.3
Health Sciences & Technologies	335,026	19	20.9	14,554	13	16.7	301,909	21	21.2
Philosophy, Religion, & Theology	8,228	0	21.6	330	0	17.9	7,242	1	21.8
Repair, Production, & Construction	23,240	1	17.1	11,183	10	16.4	9,703	1	18.1
Sciences: Biological & Physical	112,544	6	23.7	1,315	1	17.0	103,393	7	23.8
Social Sciences & Law	142,249	8	21.3	3,632	3	16.4	128,337	9	21.6
Undecided	261,083	15	21.6	13,501	12	16.5	202,884	14	22.1
No Response	111,120	6	17.0	6,325	6	14.0	11,995	1	16.6

¹2-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.

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

Total Students in Report: 1,799,243

Table 4.2. Average ACT Composite Scores for Racial/Ethnic 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	30,183	16.0	5,376	14.2	430	14.6	16,671	16.9	4,333	15.1
2-yr College Degree	81,062	16.3	13,130	14.3	1,227	15.1	45,777	17.2	12,757	15.3
Bachelors Degree	794,445	20.1	107,655	16.4	6,508	17.9	490,895	21.4	106,183	18.3
Graduate Study	273,008	23.5	24,690	18.7	1,411	20.7	177,393	24.6	32,312	21.3
Prof. Level Degree	380,774	23.0	54,437	18.8	2,600	20.2	199,428	24.5	59,651	20.8
Other	33,986	17.3	5,351	14.8	433	15.5	17,101	18.4	5,878	16.1
No Response	205,785	19.4	28,959	15.5	1,608	16.3	87,447	21.3	38,627	17.1

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	30,183	16.0	619	18.3	67	16.5	766	16.5	1,921	15.4
2-yr College Degree	81,062	16.3	1,009	15.8	190	15.1	2,408	16.8	4,564	15.6
Bachelors Degree	794,445	20.1	21,107	20.8	2,050	18.7	27,989	20.1	32,058	19.8
Graduate Study	273,008	23.5	12,512	25.0	685	21.8	9,756	23.4	14,249	23.7
Prof. Level Degree	380,774	23.0	25,396	25.7	1,042	21.9	16,297	23.0	21,923	23.7
Other	33,986	17.3	1,202	19.3	95	16.2	1,198	18.2	2,728	17.6
No Response	205,785	19.4	9,832	23.3	643	17.9	5,807	20.0	32,862	19.5

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

Section V

Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 1,799,243

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

	N National	Average ACT Scores		
		English National	Writing National	English/Writing Combined National
All Students	942,769	21.3	7.0	20.5
Black/African American	114,751	16.3	6.1	16.0
American Indian/Alaska Native	6,031	16.8	6.1	16.4
White	518,407	22.9	7.2	21.9
Hispanic/Latino	151,504	18.6	6.8	18.3
Asian	54,580	23.5	7.6	22.7
Native Hawaiian/Other Pac. Isl.	2,812	19.5	6.9	19.2
Two or more races	35,355	21.5	7.0	20.6
Prefer not/No Response	59,329	21.8	7.1	20.9
Males	423,104	21.0	6.7	20.1
Females	513,945	21.6	7.2	20.9
Missing	5,720	16.6	6.3	16.5

