

ACT Profile Report - National

Graduating Class 2014

National



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This report provides information about the performance of your 2014 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 2014. 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 in August of 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: 1,845,787 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. 73% 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. 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, 51% 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, 41% 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

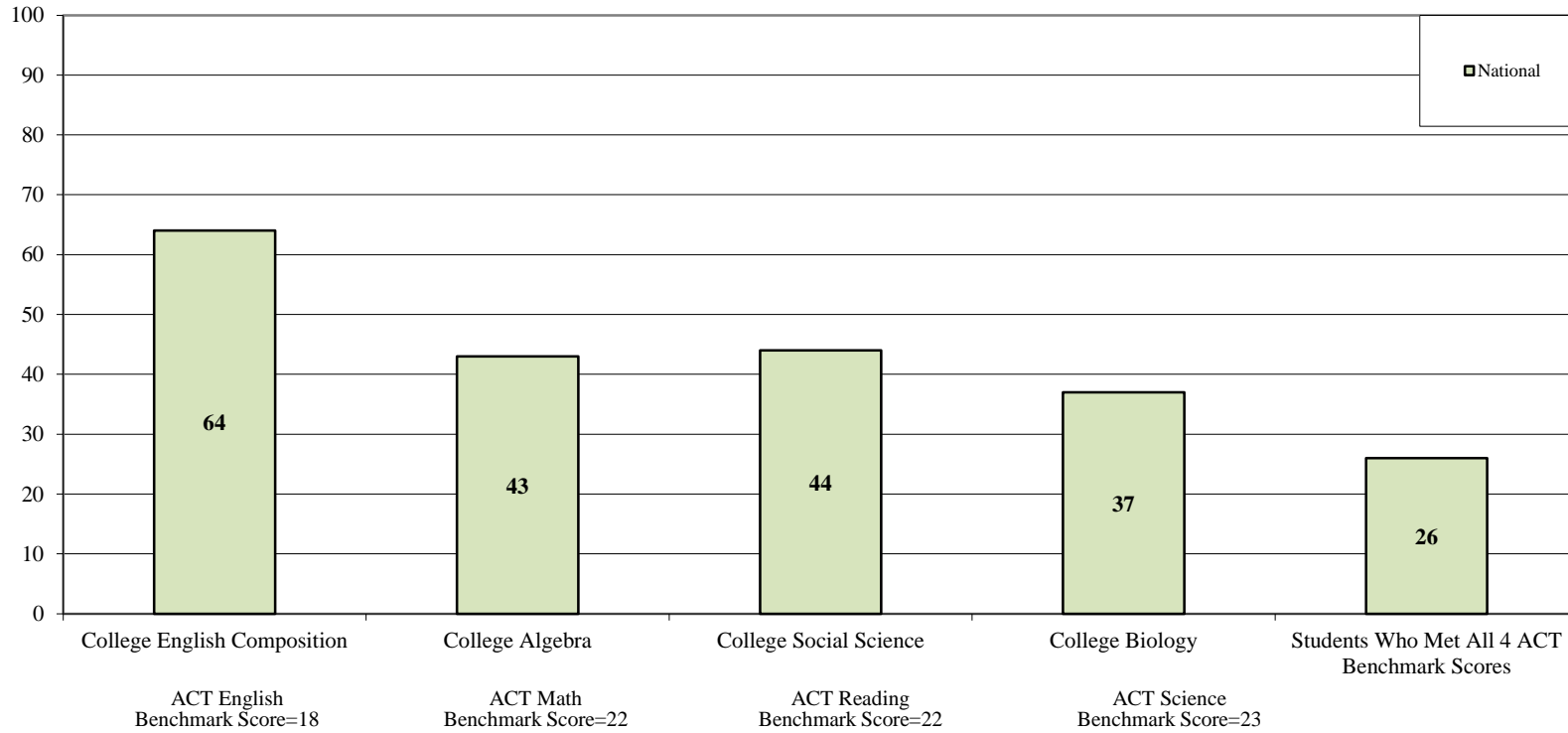
Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning in August 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: 1,845,787

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
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
2014	1,845,787	64	43	44	37	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
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
2014	1,845,787	20.3	20.9	21.3	20.8	21.0

Total Students in Report: 1,845,787

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
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
2014	1,347,997	405,073	73	22	21.4	17.9	21.7	18.9	22.2	19.2	21.6	18.9	21.8	18.9

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

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


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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,568,835	100	21.0	1,623,112	100	21.1	1,666,017	100	21.1	1,799,243	100	20.9	1,845,787	100	21.0
Black/African American	214,836	14	16.9	223,383	14	17.0	222,237	13	17.0	239,598	13	16.9	241,678	13	17.0
American Indian/Alaska Native	16,382	1	19.0	14,970	1	18.6	13,523	1	18.4	14,217	1	18.0	14,263	1	18.0
White	979,329	62	22.3	981,585	60	22.4	983,148	59	22.4	1,034,712	58	22.2	1,038,435	56	22.3
Hispanic/Latino	157,579	10	18.6	200,661	12	18.7	234,456	14	18.9	259,741	14	18.8	281,216	15	18.8
Asian	65,362	4	23.4	66,650	4	23.6	68,080	4	23.6	71,677	4	23.5	80,370	4	23.5
Native Hawaiian/Other Pacific Islander	0	0	.	2,244	0	19.5	4,545	0	19.8	4,772	0	19.5	5,676	0	18.6
Two or more races	42,797	3	21.0	46,378	3	21.1	55,500	3	21.4	64,221	4	21.1	70,013	4	21.2
Prefer not to respond/No response	92,550	6	20.5	87,241	5	20.7	84,528	5	21.3	110,305	6	20.7	114,136	6	20.7

Total Students in Report: 1,845,787

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%	7%	6%
13-15	14%	14%	13%	10%
16-19	18%	33%	22%	24%
20-23	23%	18%	24%	29%
24-27	16%	21%	14%	20%
28-32	10%	9%	14%	7%
33-36	5%	3%	5%	3%
% At or Above Benchmark	64%	43%	44%	37%

 = National

Total Students in Report: 1,845,787

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	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

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	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	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: 1,845,787

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	5,975	100	5,400	100	13,165	100	11,531	100	1,407	100	36
35	26,161	100	13,108	100	14,556	99	12,611	99	7,175	100	35
34	30,375	98	18,570	99	31,013	98	16,974	99	14,037	100	34
33	30,411	97	18,025	98	38,980	97	14,106	98	19,589	99	33
32	28,737	95	17,626	97	52,419	95	16,738	97	25,524	98	32
31	28,256	93	19,932	96	49,288	92	25,304	96	32,048	96	31
30	41,462	92	30,310	95	54,503	89	25,658	95	41,117	95	30
29	39,959	90	46,744	93	48,770	86	20,210	93	47,863	92	29
28	47,354	87	59,648	91	52,742	84	40,447	92	58,319	90	28
27	51,085	85	73,504	88	55,851	81	70,000	90	68,252	87	27
26	65,951	82	94,975	84	60,553	78	60,807	86	78,342	83	26
25	84,857	79	105,356	78	64,155	74	115,330	83	89,877	79	25
24	100,830	74	109,795	73	82,475	71	121,023	77	100,843	74	24
23	87,151	69	102,903	67	106,481	66	127,163	70	108,788	68	23
22	109,310	64	78,987	61	88,960	61	144,860	63	116,220	62	22
21	116,479	58	77,004	57	154,247	56	131,031	55	120,908	56	21
20	118,238	52	77,389	53	96,038	48	139,527	48	121,593	50	20
19	95,523	45	91,189	49	128,465	42	155,409	41	121,185	43	19
18	75,871	40	124,435	44	89,003	35	100,427	32	120,918	36	18
17	68,820	36	172,761	37	100,323	31	104,819	27	115,530	30	17
16	90,304	32	228,216	28	91,894	25	87,409	21	109,843	24	16
15	117,446	27	165,837	15	81,099	20	69,279	16	101,019	18	15
14	84,233	21	73,316	6	94,542	16	63,193	13	88,696	12	14
13	62,448	16	27,248	2	65,307	11	53,790	9	70,438	7	13
12	58,405	13	8,840	1	58,417	7	42,195	6	42,473	4	12
11	58,237	10	3,082	1	39,108	4	33,180	4	16,603	1	11
10	53,095	7	781	1	17,535	2	20,055	2	4,689	1	10
9	32,318	4	349	1	7,670	1	13,572	1	1,530	1	9
8	20,101	2	201	1	2,500	1	5,073	1	573	1	8
7	10,652	1	55	1	2,942	1	2,056	1	242	1	7
6	3,637	1	85	1	1,539	1	803	1	80	1	6
5	1,260	1	13	1	536	1	505	1	47	1	5
4	551	1	58	1	288	1	329	1	12	1	4
3	174	1	4	1	186	1	203	1	5	1	3
2	83	1	0	1	161	1	76	1	1	1	2
1	38	1	41	1	76	1	94	1	1	1	1
Avg (SD)	20.3 (6.6)		20.9 (5.3)		21.3 (6.3)		20.8 (5.5)		21.0 (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: 1,845,787

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	71,916	100	23,120	100	42,749	100	61,140	100	62,378	100	15,508	100	15,935	100	18
17	96,876	96	31,257	99	95,435	98	109,981	97	71,851	97	22,925	99	10,020	99	17
16	67,325	91	82,509	97	108,657	93	111,945	91	90,663	93	43,394	98	73,046	99	16
15	84,421	87	129,760	93	86,540	87	105,194	85	94,594	88	98,580	96	100,880	95	15
14	78,254	83	126,218	86	141,228	82	104,479	79	126,999	83	143,546	90	131,194	89	14
13	123,913	78	158,190	79	151,569	74	131,204	73	173,150	76	177,135	82	152,700	82	13
12	122,880	72	169,957	70	159,551	66	155,442	66	178,119	66	206,134	73	179,023	74	12
11	166,443	65	191,295	61	157,053	57	160,355	58	129,670	57	181,050	62	216,408	64	11
10	184,364	56	174,637	51	189,344	49	147,505	49	140,002	50	282,070	52	218,671	52	10
9	170,663	46	190,986	41	165,663	39	212,334	41	151,403	42	223,861	37	283,047	41	9
8	155,254	37	175,368	31	191,190	30	133,853	30	196,258	34	190,936	24	200,752	25	8
7	137,721	28	111,691	21	157,426	19	121,904	22	213,369	23	114,802	14	105,338	14	7
6	126,831	21	103,113	15	106,781	11	103,614	16	122,141	12	66,567	8	56,286	9	6
5	110,109	14	79,718	10	51,197	5	108,161	10	62,391	5	34,014	4	52,136	6	5
4	77,937	8	68,744	5	23,133	2	50,024	4	21,171	2	20,170	2	19,076	3	4
3	48,806	4	22,433	2	8,834	1	20,650	2	8,442	1	16,163	1	18,744	2	3
2	19,556	1	6,040	1	6,538	1	7,339	1	2,765	1	4,472	1	6,631	1	2
1	2,518	1	751	1	2,899	1	663	1	421	1	4,460	1	5,900	1	1
Avg (SD)	10.1 (4.1)		10.4 (3.5)		10.9 (3.6)		10.8 (3.9)		10.7 (3.6)		10.6 (3.0)		10.5 (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	26	24	25
Q2 (50th Percentile)	20	20	21	21	21
Q1 (25th Percentile)	15	16	16	17	17

Total Students in Report: 1,845,787

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	1,845,787	73	21.8	18.9
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

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	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7

Total Students in Report: 1,845,787

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	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

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	66	40	45	34	25

Total Students in Report: 1,845,787

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	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing ³	92,717	36	16.0	18	17.7	23	17.7	16	17.6	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	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing ³	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

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.

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

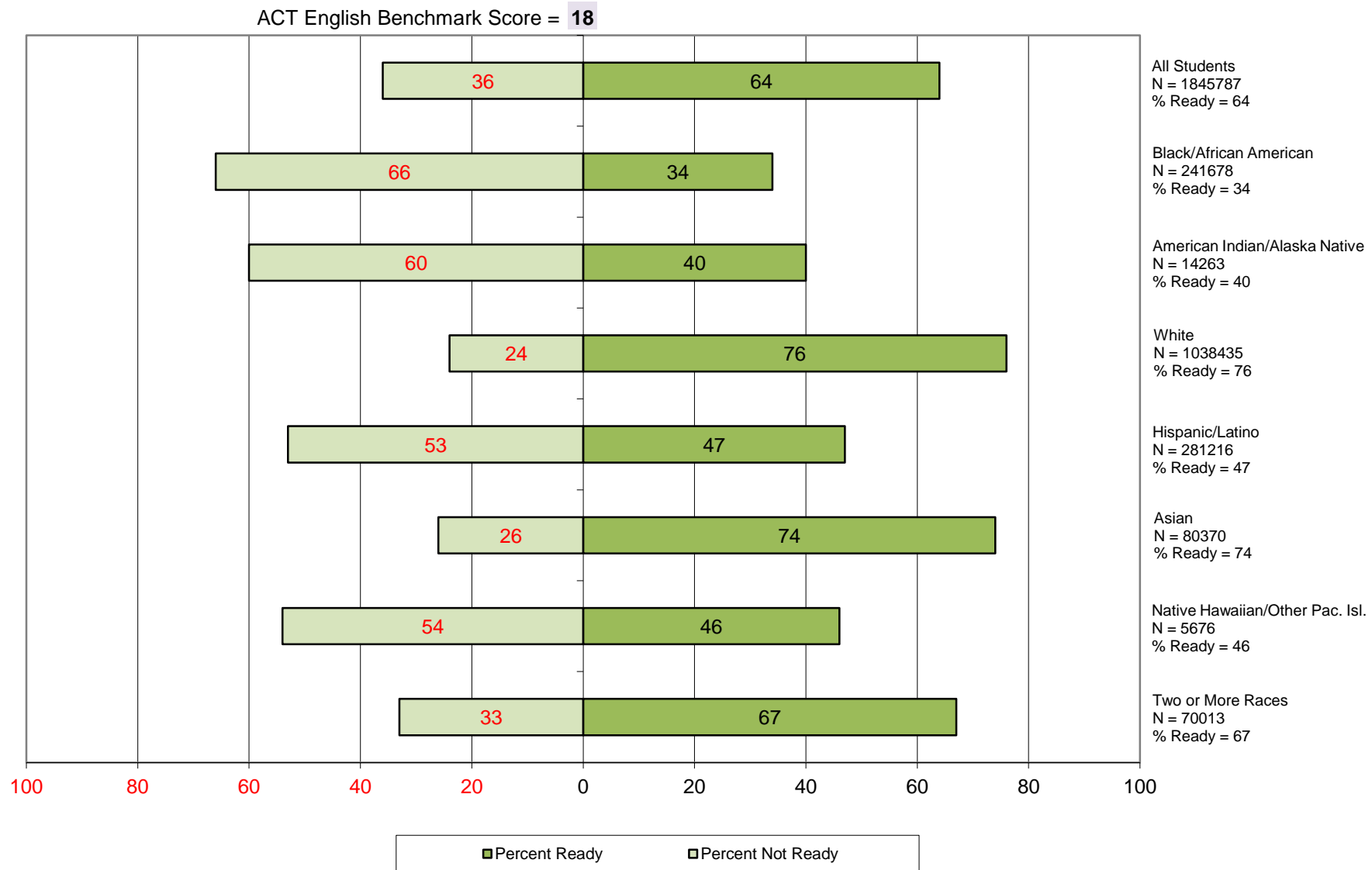


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

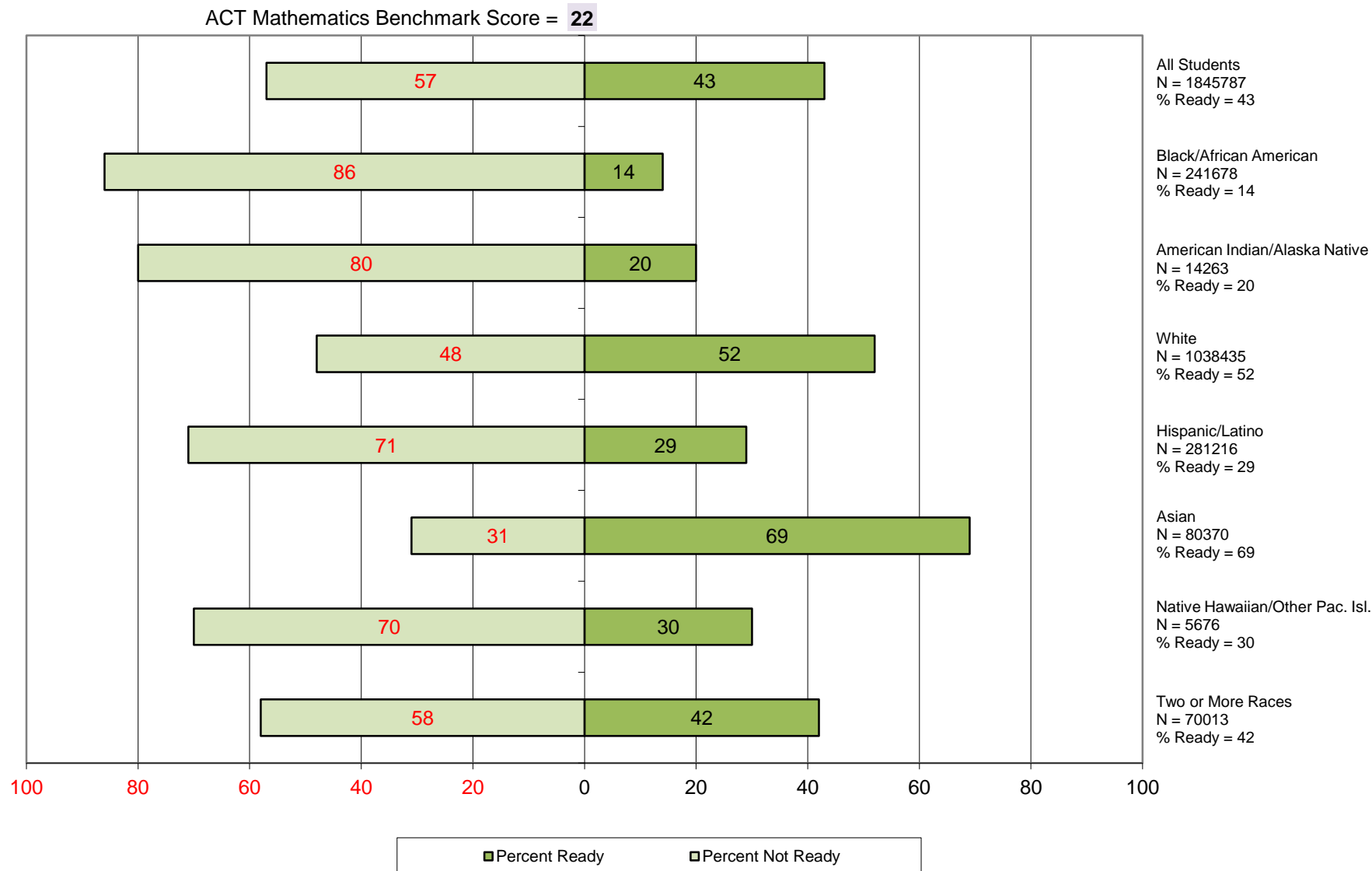


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

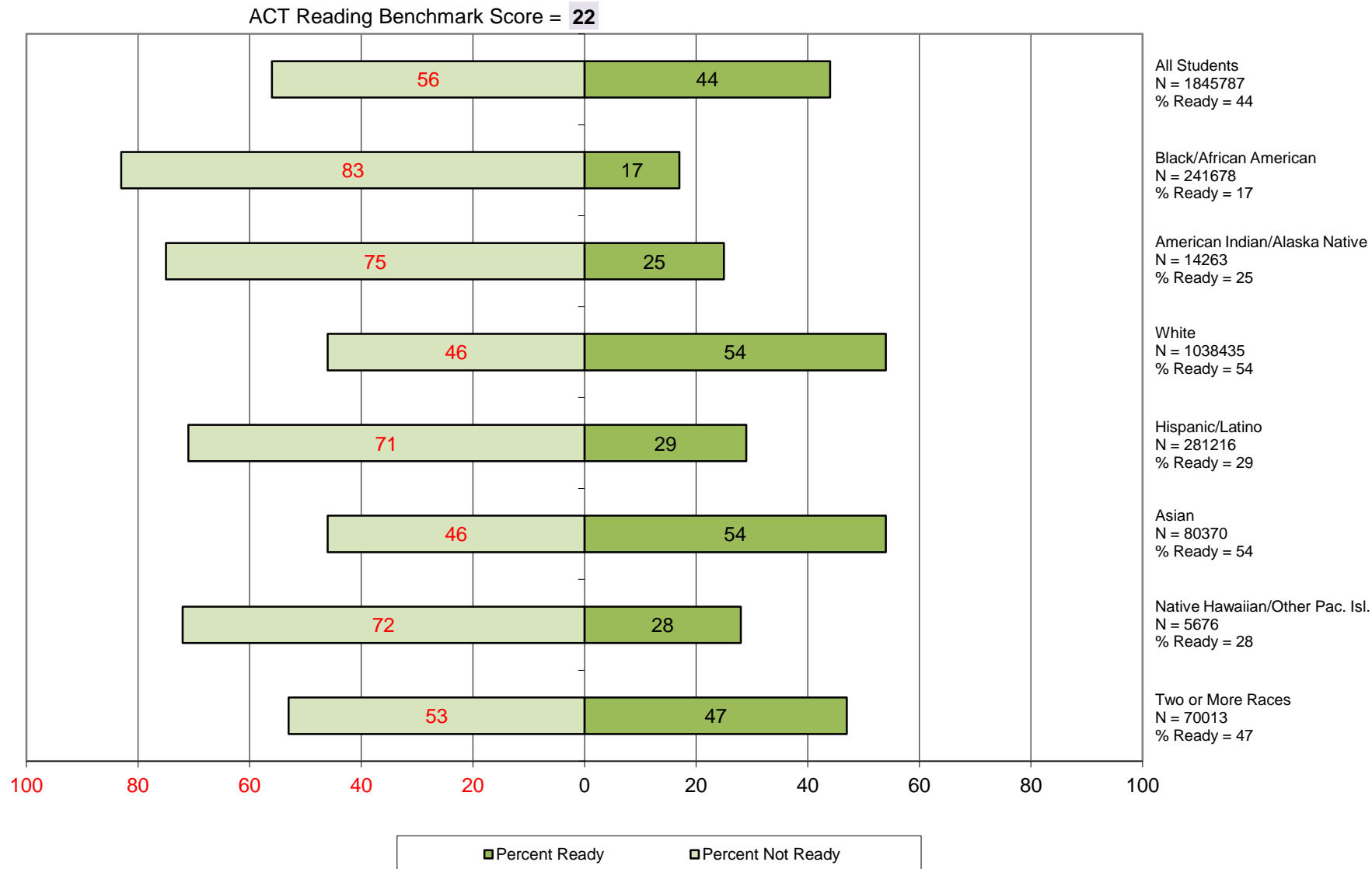
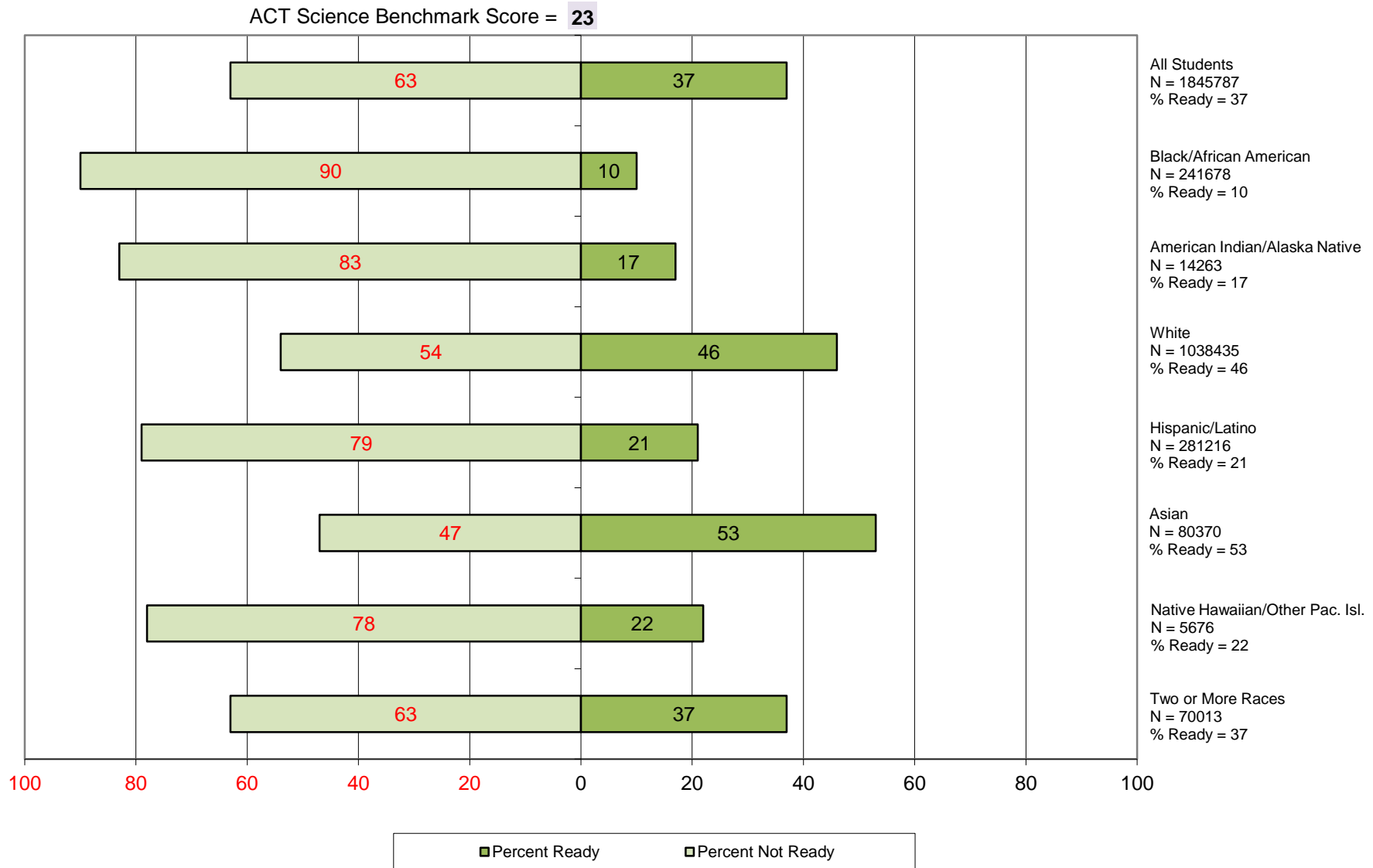
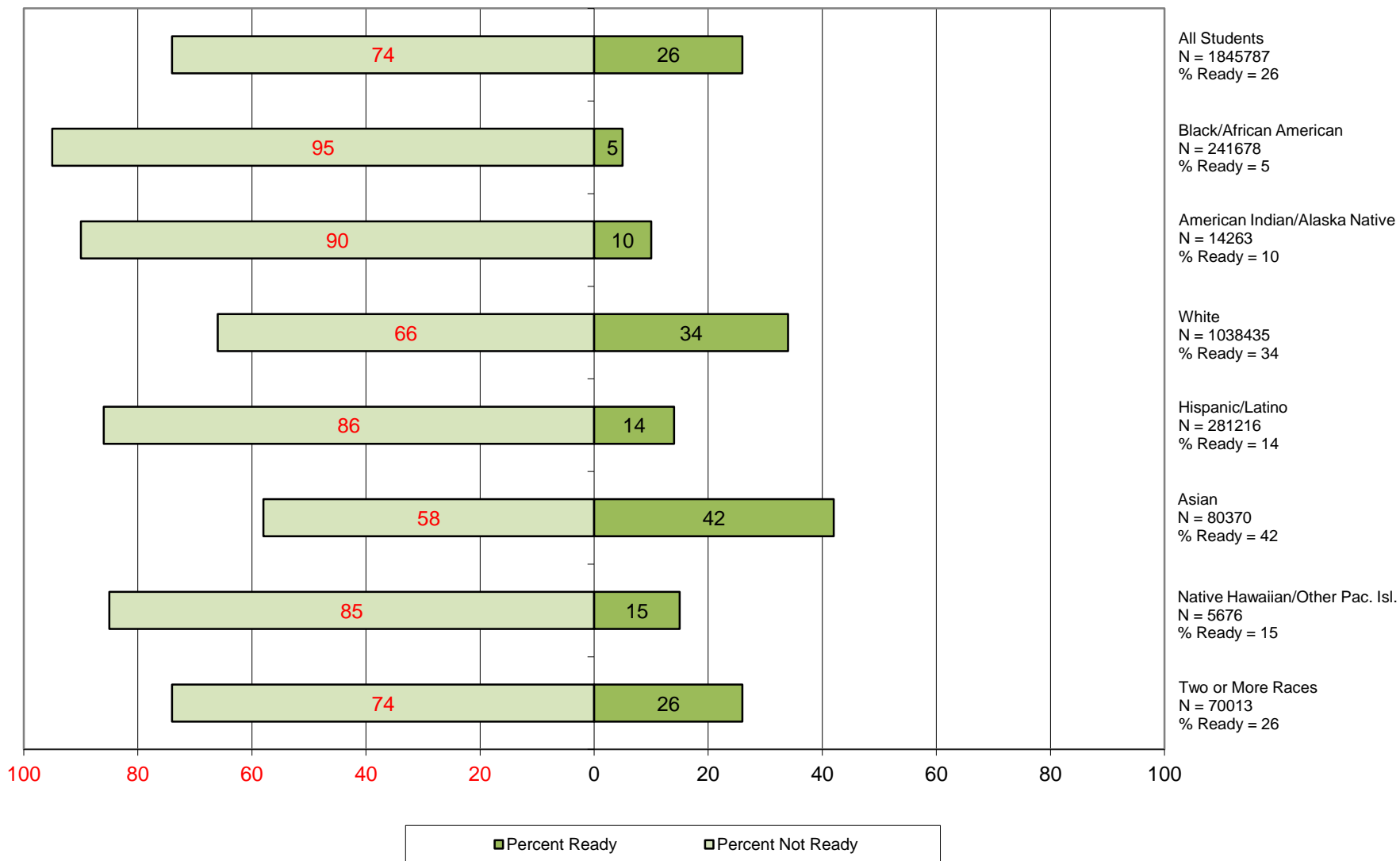


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 1,845,787

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



Total Students in Report: 1,845,787

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	370,875	20	21.7	5.8	157,151	18	21.3	5.8	212,936	22	22.0	5.5
Eng 9, Eng 10, Eng 11, Eng 12	1,305,220	71	20.5	4.6	609,986	71	20.3	4.8	690,124	71	20.7	4.2
Less than 4 years of English	88,420	5	15.9	-	46,869	5	15.5	-	39,998	4	16.5	-
Zero years / no English courses reported	81,272	4	16.3	-	42,645	5	16.0	-	34,069	3	16.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	118,677	6	23.8	7.4	54,033	6	24.5	8.0	64,370	7	23.2	6.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	157,764	9	21.8	5.4	61,003	7	22.3	5.8	96,429	10	21.5	5.2
Alg 1, Alg 2, Geom, & Trig	120,160	7	19.3	2.9	53,215	6	19.7	3.2	66,463	7	19.1	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	356,555	19	19.4	3.0	144,854	17	19.7	3.2	209,674	21	19.3	3.0
Other comb of 4 or more years of Math	622,896	34	23.7	7.3	312,270	36	24.4	7.9	309,379	32	23.0	6.7
Alg 1, Alg 2, & Geom	220,037	12	17.1	0.7	104,563	12	17.3	0.8	113,705	12	16.9	0.6
Other comb of 3 or 3.5 years of Math	90,105	5	19.8	3.4	43,447	5	20.2	3.7	46,224	5	19.6	3.3
Less than 3 years of Math	74,627	4	16.4	-	38,627	5	16.5	-	35,173	4	16.3	-
Zero years / no Math courses reported	84,966	5	17.8	-	44,639	5	18.0	-	35,710	4	17.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	48,992	3	22.3	2.9	25,531	3	22.0	3.0	23,256	2	22.6	2.7
Other comb of 4 or more years Social Science	921,129	50	22.2	2.8	409,908	48	22.1	3.1	509,034	52	22.2	2.3
US Hist, World Hist, & Am Gov	105,110	6	19.6	0.2	53,337	6	19.5	0.5	50,870	5	19.9	0.0
Other comb of 3 or 3.5 years of Social Science	504,877	27	21.3	1.9	231,520	27	21.1	2.1	270,947	28	21.4	1.5
Less than 3 years of Social Science	180,385	10	19.4	-	91,365	11	19.0	-	87,386	9	19.9	-
Zero years / no Social Science courses reported	85,294	5	17.8	-	44,990	5	17.7	-	35,634	4	18.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	781,043	42	22.1	4.0	384,916	45	22.7	4.8	394,160	40	21.5	3.3
Bio, Chem, Phys	199,419	11	23.1	5.0	93,750	11	23.9	6.0	105,277	11	22.4	4.2
Gen Sci ² , Bio, Chem	505,460	27	20.0	1.9	201,214	23	20.0	2.1	301,754	31	20.0	1.8
Other comb of 3 years of Natural Science	52,236	3	19.2	1.1	28,976	3	19.7	1.8	22,771	2	18.6	0.4
Less than 3 years of Natural Science	220,701	12	18.1	-	102,124	12	17.9	-	116,596	12	18.2	-
Zero years / no Natural Science courses reported	86,928	5	17.7	-	45,671	5	17.9	-	36,569	4	17.6	-

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

²Includes General, Physical and Earth Sciences.

Total Students in Report: 1,845,787

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	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	1,305,220	71	20.5	65
Less than 4 years of English	88,420	5	15.9	36
Zero years / no English courses reported	81,272	4	16.3	38
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	356,555	19	19.4	31
Other comb of 4 or more years of Math	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	90,105	5	19.8	35
Less than 3 years of Math	74,627	4	16.4	8
Zero years / no Math courses reported	84,966	5	17.8	19
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	48,992	3	22.3	50
Other comb of 4 or more years Social Science	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	504,877	27	21.3	43
Less than 3 years of Social Science	180,385	10	19.4	32
Zero years / no Social Science courses reported	85,294	5	17.8	24
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	781,043	42	22.1	46
Bio, Chem, Phys	199,419	11	23.1	54
Gen Sci ¹ , Bio, Chem	505,460	27	20.0	28
Other comb of 3 years of Natural Science	52,236	3	19.2	24
Less than 3 years of Natural Science	220,701	12	18.1	17
Zero years / no Natural Science courses reported	86,928	5	17.7	17

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: 1,845,787

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	29,988	2	19.7	4,150	4	16.6	23,867	2	20.4
Architecture	19,999	1	20.7	1,051	1	16.1	17,300	1	21.1
Area, Ethnic, & Multidisciplinary Studies	2,318	0	21.7	155	0	15.6	1,943	0	22.4
Arts: Visual & Performing	114,205	6	20.2	10,259	9	16.4	94,372	6	20.8
Business	170,865	9	21.1	10,500	9	16.5	147,542	10	21.5
Communications	36,223	2	21.5	1,158	1	16.5	32,720	2	21.7
Community, Family, & Personal Services	54,945	3	17.8	10,501	9	16.1	40,185	3	18.4
Computer Science & Mathematics	48,962	3	22.9	2,760	2	17.6	42,588	3	23.3
Education	89,347	5	20.4	3,017	3	15.9	81,316	5	20.7
Engineering	145,721	8	23.6	6,142	5	16.1	129,294	9	24.1
Engineering Technology & Drafting	26,356	1	19.5	4,242	4	16.1	20,072	1	20.4
English & Foreign Languages	19,943	1	23.7	623	1	18.2	17,879	1	23.9
Health Administration & Assisting	60,288	3	18.0	5,610	5	15.9	49,547	3	18.4
Health Sciences & Technologies	341,521	19	21.0	14,607	13	16.7	309,286	21	21.3
Philosophy, Religion, & Theology	7,825	0	21.5	308	0	17.8	6,871	0	21.7
Repair, Production, & Construction	24,525	1	17.1	11,909	10	16.5	10,269	1	18.1
Sciences: Biological & Physical	117,481	6	23.8	1,389	1	16.9	108,392	7	23.9
Social Sciences & Law	144,518	8	21.3	3,852	3	16.4	130,586	9	21.6
Undecided	264,009	14	21.7	13,787	12	16.5	206,354	14	22.2
No Response	122,721	7	17.0	7,210	6	14.4	13,363	1	16.8

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: 1,845,787

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	32,542	16.1	5,911	14.2	456	14.9	17,259	17.0	4,915	15.2
2-yr College Degree	82,062	16.4	13,350	14.4	1,161	15.1	44,951	17.3	13,607	15.4
Bachelors Degree	816,235	20.2	107,666	16.5	6,608	17.8	495,264	21.5	116,467	18.3
Graduate Study	283,289	23.7	25,102	18.9	1,427	20.5	180,752	24.8	35,070	21.4
Prof. Level Degree	386,418	23.2	54,345	18.9	2,587	20.4	198,560	24.7	63,723	20.8
Other	33,949	17.3	5,412	14.9	435	15.4	16,541	18.4	6,083	16.0
No Response	211,292	19.2	29,892	15.4	1,589	16.2	85,108	21.1	41,351	17.0

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	32,542	16.1	779	17.5	119	14.4	909	16.5	2,194	15.5
2-yr College Degree	82,062	16.4	1,224	15.7	335	14.6	2,634	16.8	4,800	15.7
Bachelors Degree	816,235	20.2	24,475	21.1	2,400	18.2	30,533	20.2	32,822	19.9
Graduate Study	283,289	23.7	14,340	25.1	752	20.9	10,904	23.6	14,942	23.9
Prof. Level Degree	386,418	23.2	27,573	25.9	1,107	21.3	17,228	23.1	21,295	23.9
Other	33,949	17.3	1,266	19.2	126	16.2	1,277	18.2	2,809	17.7
No Response	211,292	19.2	10,713	23.1	837	16.9	6,528	19.7	35,274	19.4

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: 1,845,787

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

	N	Average ACT Scores		
		English National	Writing National	English/Writing Combined National
All Students	976,031	21.3	7.1	20.6
Black/African American	114,263	16.4	6.3	16.3
American Indian/Alaska Native	6,408	16.8	6.2	16.5
White	520,054	23.1	7.3	22.1
Hispanic/Latino	167,575	18.5	6.9	18.4
Asian	61,663	23.7	7.7	22.9
Native Hawaiian/Other Pac. Isl.	3,742	17.7	6.6	17.6
Two or more races	39,565	21.4	7.1	20.7
Prefer not/No Response	62,761	21.6	7.1	20.9
Males	438,500	21.1	6.9	20.2
Females	530,240	21.6	7.3	21.1
Missing	7,291	16.0	5.9	15.7

