



Profile Report - National

Graduating Class 2015

National



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This report provides information about the performance of your 2015 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 2015. 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

28% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 1,924,436 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. 72% 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. 11% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 11% of these students were college ready. In comparison, 50% 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. 18% of these students were college ready. In comparison, 42% 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 50% 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

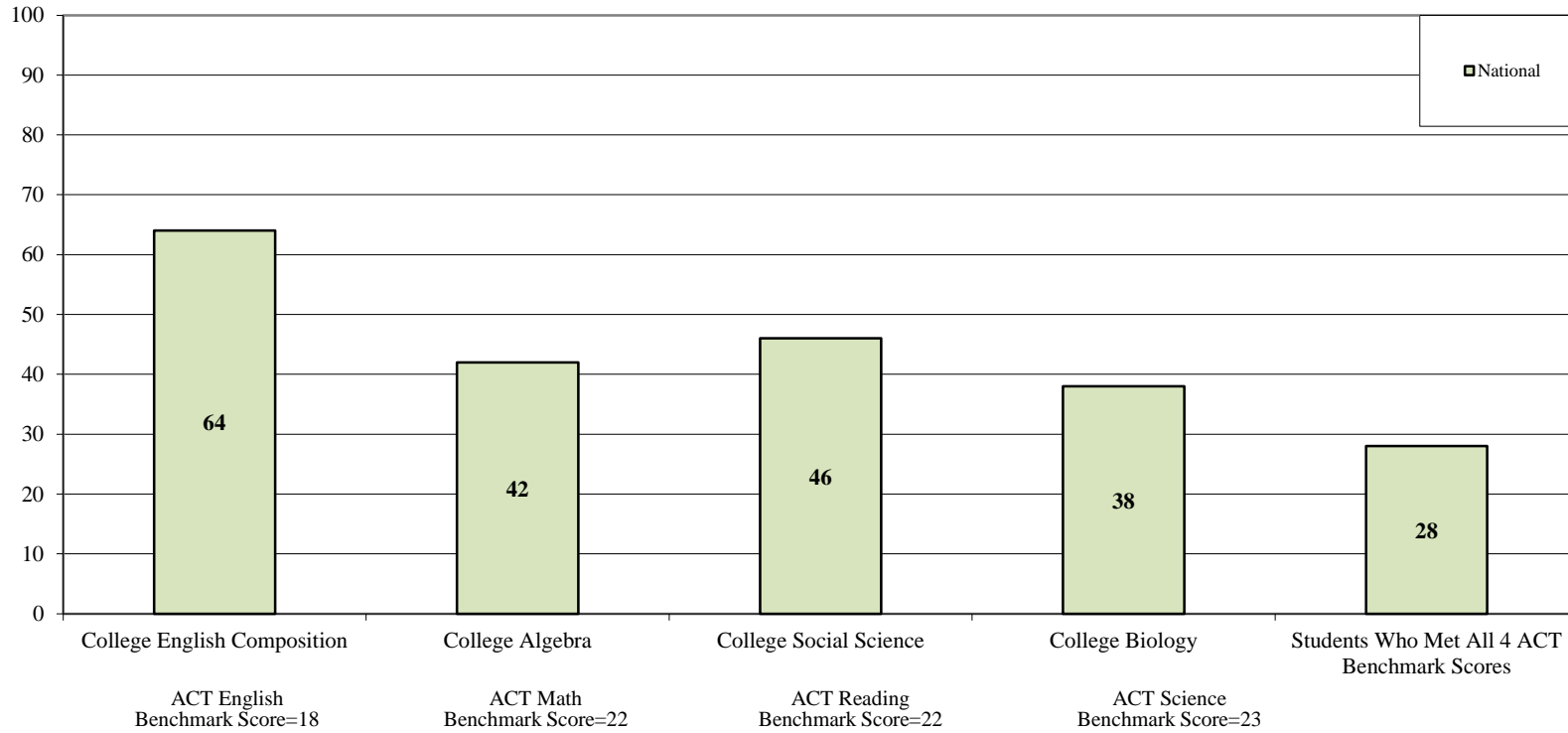
Executive Summary

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: 1,924,436

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
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
2015	1,924,436	64	42	46	38	28

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
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
2015	1,924,436	20.4	20.8	21.4	20.9	21.0

Total Students in Report: 1,924,436

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
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
2015	1,389,338	424,562	72	22	21.4	18.0	21.7	18.9	22.3	19.3	21.8	19.0	21.9	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

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,623,112	100	21.1	1,666,017	100	21.1	1,799,243	100	20.9	1,845,787	100	21.0	1,924,436	100	21.0
Black/African American	223,383	14	17.0	222,237	13	17.0	239,598	13	16.9	241,678	13	17.0	252,566	13	17.1
American Indian/Alaska Native	14,970	1	18.6	13,523	1	18.4	14,217	1	18.0	14,263	1	18.0	14,711	1	17.9
White	981,585	60	22.4	983,148	59	22.4	1,034,712	58	22.2	1,038,435	56	22.3	1,057,803	55	22.4
Hispanic/Latino	200,661	12	18.7	234,456	14	18.9	259,741	14	18.8	281,216	15	18.8	299,920	16	18.9
Asian	66,650	4	23.6	68,080	4	23.6	71,677	4	23.5	80,370	4	23.5	87,499	5	23.9
Native Hawaiian/Other Pacific Islander	2,244	0	19.5	4,545	0	19.8	4,772	0	19.5	5,676	0	18.6	6,090	0	18.8
Two or more races	46,378	3	21.1	55,500	3	21.4	64,221	4	21.1	70,013	4	21.2	76,066	4	21.2
Prefer not to respond/No response	87,241	5	20.7	84,528	5	21.3	110,305	6	20.7	114,136	6	20.7	129,781	7	20.6

Total Students in Report: 1,924,436

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%	15%	14%	10%
16-19	19%	34%	21%	24%
20-23	23%	18%	24%	29%
24-27	16%	20%	15%	20%
28-32	10%	10%	14%	7%
33-36	5%	3%	6%	3%
% At or Above Benchmark	64%	42%	46%	38%

 = National

Total Students in Report: 1,924,436

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	1,838,433	96	20.6	21.0	21.5	21.1	21.2
	Extended Time	86,003	4	16.5	18.1	18.8	18.3	18.1
	Total	1,924,436	100	20.4	20.8	21.4	20.9	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	43	47	39	28
	Extended Time	38	22	32	23	16
	Total	64	42	46	38	28

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: 1,924,436

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	6,381	100	7,086	100	14,562	100	10,970	100	1,598	100	36
35	27,438	100	11,765	100	17,069	99	14,966	99	8,496	100	35
34	36,457	98	19,465	99	35,542	98	19,532	99	15,829	99	34
33	30,498	96	15,885	98	47,490	97	17,263	98	22,201	99	33
32	37,182	95	21,861	97	47,972	94	26,828	97	28,619	97	32
31	37,496	93	21,409	96	50,630	92	17,563	95	34,850	96	31
30	35,077	91	31,172	95	57,673	89	24,697	94	43,958	94	30
29	37,791	89	39,061	93	50,184	86	29,706	93	50,033	92	29
28	51,130	87	72,012	91	55,106	83	41,872	92	60,551	89	28
27	51,024	84	81,770	88	62,769	80	52,879	89	71,232	86	27
26	69,151	82	103,243	83	63,051	77	89,372	87	81,336	82	26
25	94,609	78	88,084	78	65,357	74	115,332	82	92,486	78	25
24	88,515	73	111,033	73	90,187	71	130,480	76	103,913	73	24
23	104,575	69	105,507	68	113,129	66	145,317	69	111,573	68	23
22	100,689	63	85,647	62	114,959	60	119,744	62	118,190	62	22
21	120,736	58	74,747	58	116,058	54	148,706	55	124,260	56	21
20	118,997	52	86,953	54	119,086	48	146,200	48	125,677	50	20
19	91,339	46	110,761	49	113,733	42	142,067	40	125,821	43	19
18	87,658	41	125,161	43	107,607	36	117,116	33	126,105	37	18
17	80,462	36	187,626	37	99,941	30	90,910	27	122,255	30	17
16	98,231	32	222,851	27	87,908	25	112,260	22	117,045	24	16
15	128,195	27	170,618	16	106,227	20	83,902	16	107,606	18	15
14	87,429	20	82,135	7	75,888	15	56,540	12	93,824	12	14
13	62,086	16	31,078	3	82,173	11	59,941	9	71,301	7	13
12	55,508	13	10,964	1	65,857	7	46,875	6	41,165	3	12
11	58,747	10	4,018	1	28,477	3	27,784	3	16,503	1	11
10	53,583	7	1,284	1	21,052	2	16,882	2	5,066	1	10
9	33,239	4	380	1	5,916	1	10,731	1	1,714	1	9
8	22,497	2	308	1	3,458	1	4,272	1	721	1	8
7	10,668	1	186	1	2,237	1	1,682	1	323	1	7
6	4,032	1	183	1	1,801	1	916	1	109	1	6
5	1,851	1	16	1	338	1	428	1	57	1	5
4	705	1	96	1	569	1	250	1	11	1	4
3	269	1	8	1	199	1	269	1	5	1	3
2	115	1	0	1	146	1	49	1	2	1	2
1	76	1	63	1	85	1	135	1	1	1	1
Avg (SD)	20.4 (6.7)		20.8 (5.4)		21.4 (6.4)		20.9 (5.5)		21.0 (5.5)		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: 1,924,436

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	75,993	100	31,289	100	57,305	100	79,673	100	68,631	100	16,611	100	18,531	100	18
17	106,277	96	32,903	98	95,933	97	97,361	96	67,238	96	19,417	99	6,451	99	17
16	68,032	91	109,570	97	109,557	92	117,145	91	107,620	93	42,997	98	73,733	99	16
15	101,466	87	120,647	91	119,058	86	128,143	85	99,855	87	106,643	96	111,572	95	15
14	82,416	82	125,277	85	105,929	80	132,881	78	114,950	82	166,697	90	144,772	89	14
13	103,264	77	147,151	78	165,338	75	130,669	71	163,293	76	180,602	82	171,341	82	13
12	129,851	72	170,042	71	175,795	66	156,158	64	174,441	68	156,429	72	178,367	73	12
11	184,894	65	201,944	62	162,823	57	141,910	56	146,597	59	235,980	64	193,865	63	11
10	195,678	56	183,203	51	234,959	48	149,561	49	160,331	51	284,929	52	258,061	53	10
9	156,263	46	207,611	42	160,940	36	168,886	41	161,500	43	259,581	37	258,151	40	9
8	164,856	37	191,955	31	197,405	28	144,165	32	196,600	34	189,431	24	192,580	26	8
7	152,733	29	115,092	21	149,794	18	130,631	25	243,053	24	127,069	14	124,630	16	7
6	136,854	21	105,425	15	102,756	10	163,633	18	126,574	11	48,589	7	81,169	10	6
5	114,739	14	85,452	9	48,610	5	92,391	10	56,928	5	48,816	5	52,825	6	5
4	78,430	8	64,761	5	17,020	2	65,104	5	24,547	2	10,317	2	21,677	3	4
3	49,885	4	24,922	2	9,373	1	18,300	1	8,839	1	22,871	2	21,964	2	3
2	19,130	1	6,211	1	7,792	1	7,154	1	2,947	1	1,045	1	5,401	1	2
1	3,675	1	981	1	4,049	1	671	1	492	1	6,412	1	9,346	1	1
Avg (SD)	10.1 (4.1)		10.4 (3.6)		11.0 (3.6)		10.8 (4.0)		10.7 (3.6)		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	26	24	25
Q2 (50th Percentile)	20	20	21	21	21
Q1 (25th Percentile)	15	16	16	17	17

Total Students in Report: 1,924,436

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	1,924,436	72	21.9	18.9
	Black/African American	252,566	67	17.8	15.9
	American Indian/Alaska Native	14,711	61	19.0	16.5
	White	1,057,803	76	23.2	20.2
	Hispanic/Latino	299,920	71	19.6	17.4
	Asian	87,499	79	24.5	22.0
	Native Hawaiian/Other Pac. Isl.	6,090	62	20.3	16.5
	Two or more races	76,066	73	22.0	19.3
	Prefer not/No Response	129,781	54	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	20.4	20.8	21.4	20.9	21.0
	Black/African American	15.9	17.2	17.4	17.3	17.1
	American Indian/Alaska Native	16.6	18.1	18.4	18.2	17.9
	White	22.1	21.9	22.9	22.2	22.4
	Hispanic/Latino	17.8	19.1	19.2	19.0	18.9
	Asian	23.0	25.0	23.3	23.6	23.9
	Native Hawaiian/Other Pac. Isl.	17.7	19.2	18.9	18.8	18.8
	Two or more races	20.7	20.8	21.8	21.1	21.2
	Prefer not/No Response	19.9	20.5	21.1	20.5	20.6

Total Students in Report: 1,924,436

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	100,774	5	54,201	3	114,663	6	62,731	3
	28 to 32	198,676	10	185,515	10	261,565	14	140,666	7
	24 to 27	303,299	16	384,130	20	281,364	15	388,063	20
	20 to 23	444,997	23	352,854	18	463,232	24	559,967	29
	16 to 19	357,690	19	646,399	34	409,189	21	462,353	24
	13 to 15	277,710	14	283,831	15	264,288	14	200,383	10
	01 to 12	241,290	13	17,506	1	130,135	7	110,273	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Males	895,775	47	20.0	21.3	21.2	21.3	21.1
	Females	1,013,212	53	20.8	20.4	21.6	20.6	21.0
	Missing	15,449	1	15.7	17.7	17.6	17.5	17.3

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	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 1,924,436

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	1,389,338	71	21.4	49	21.7	52	22.3	44	21.8	33	21.9
	Less than Core	424,562	48	18.0	27	18.9	32	19.3	24	19.0	16	18.9
	Missing ³	110,536	38	16.3	19	17.8	25	18.0	19	17.8	11	17.6

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

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

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who 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	1,732,463	67	20.8	1,743,121	45	21.2	1,627,689	49	21.8	1,592,830	42	21.5
	Less than Core	93,944	36	15.9	78,951	8	16.3	194,720	34	19.5	227,926	18	18.1
	Missing ³	98,029	40	16.5	102,364	20	17.8	102,027	26	18.1	103,680	20	18.0

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

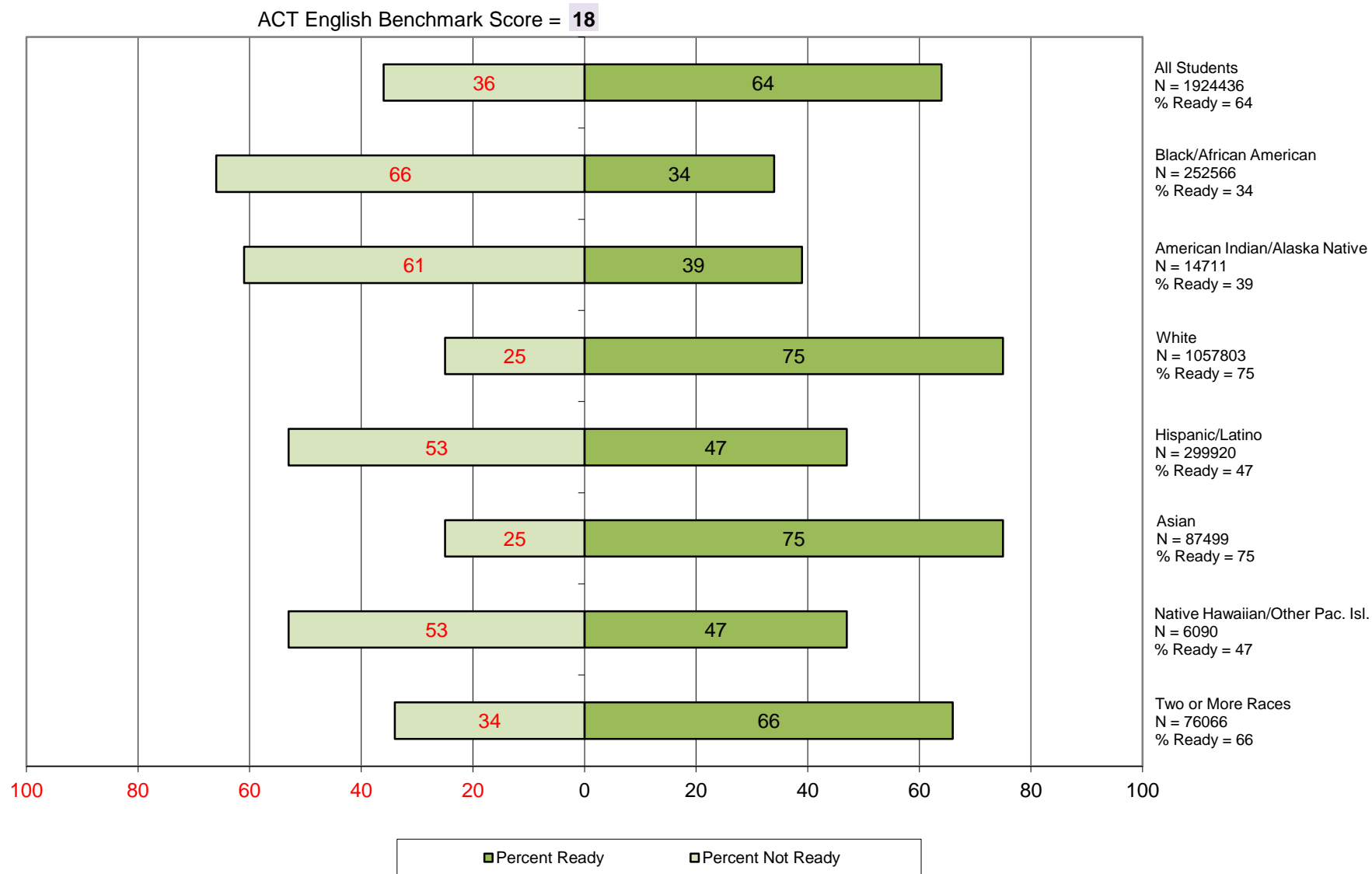


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

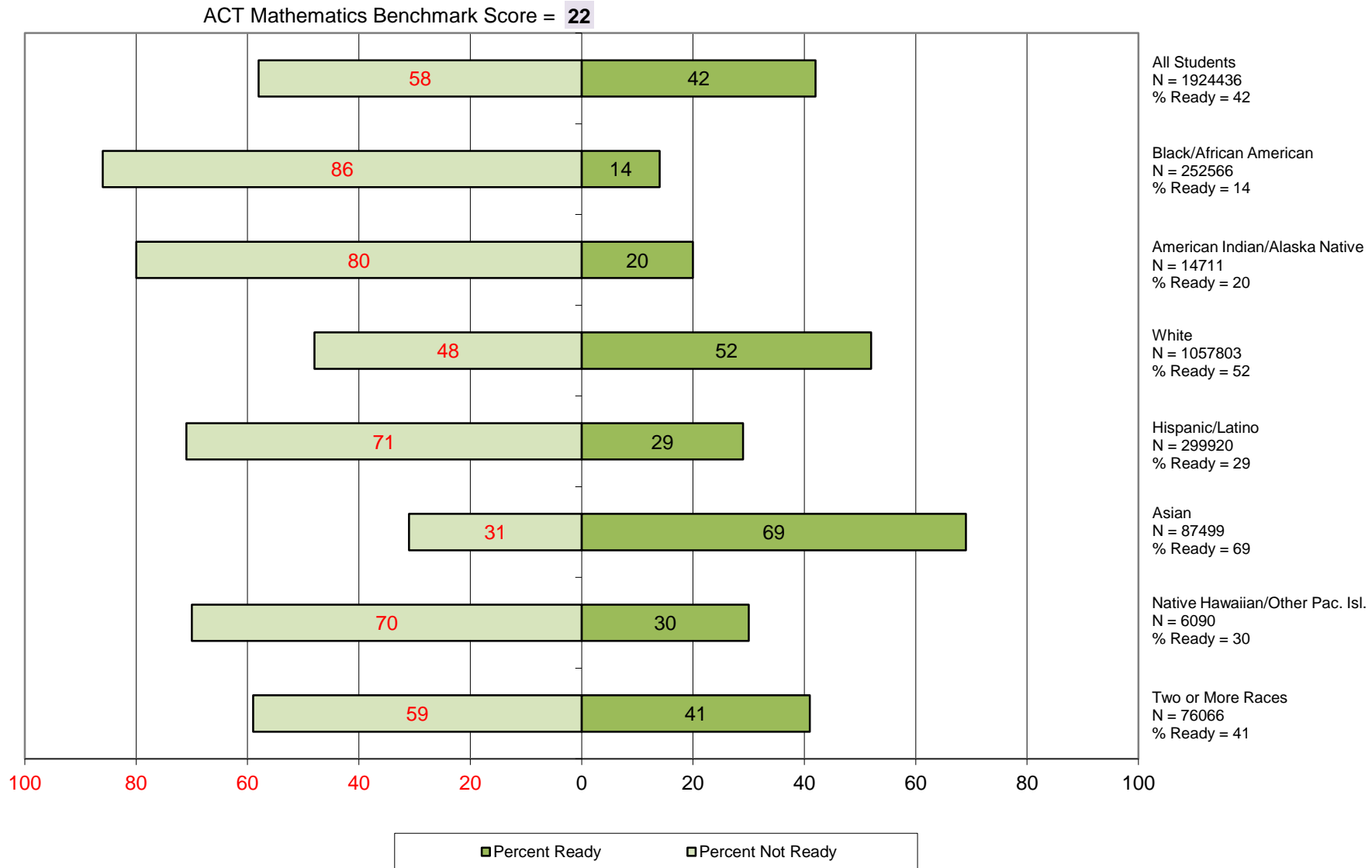


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

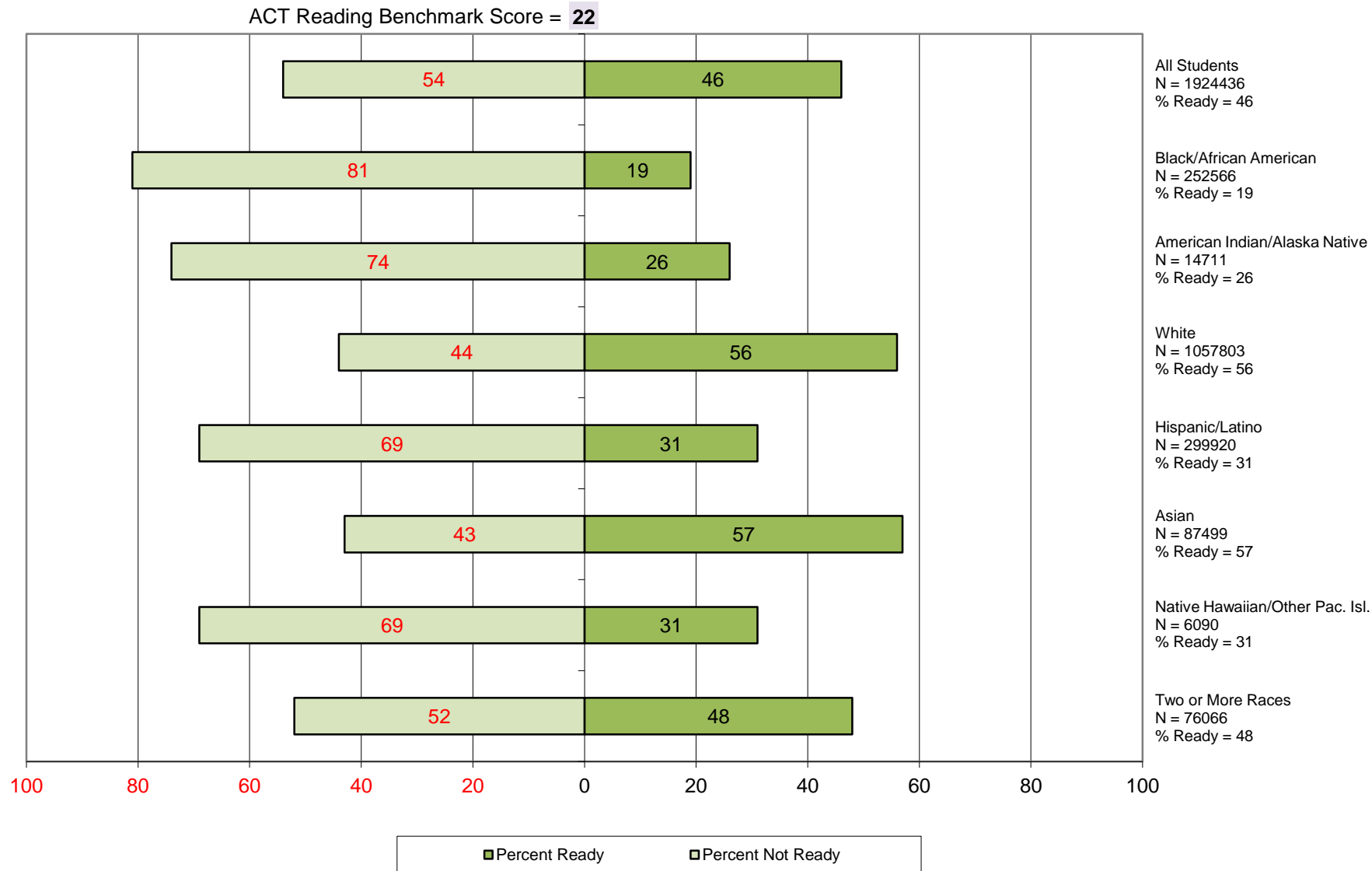
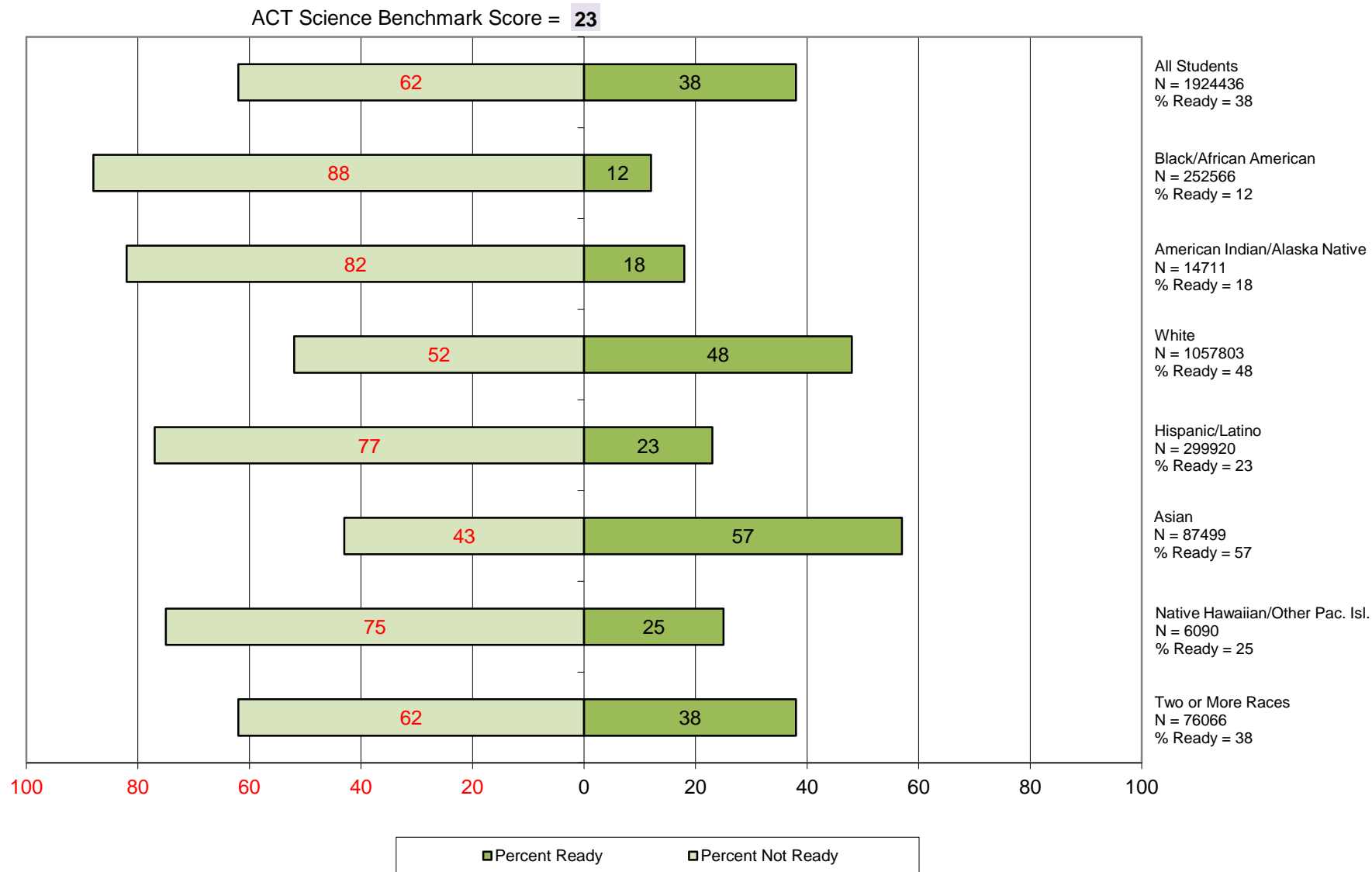
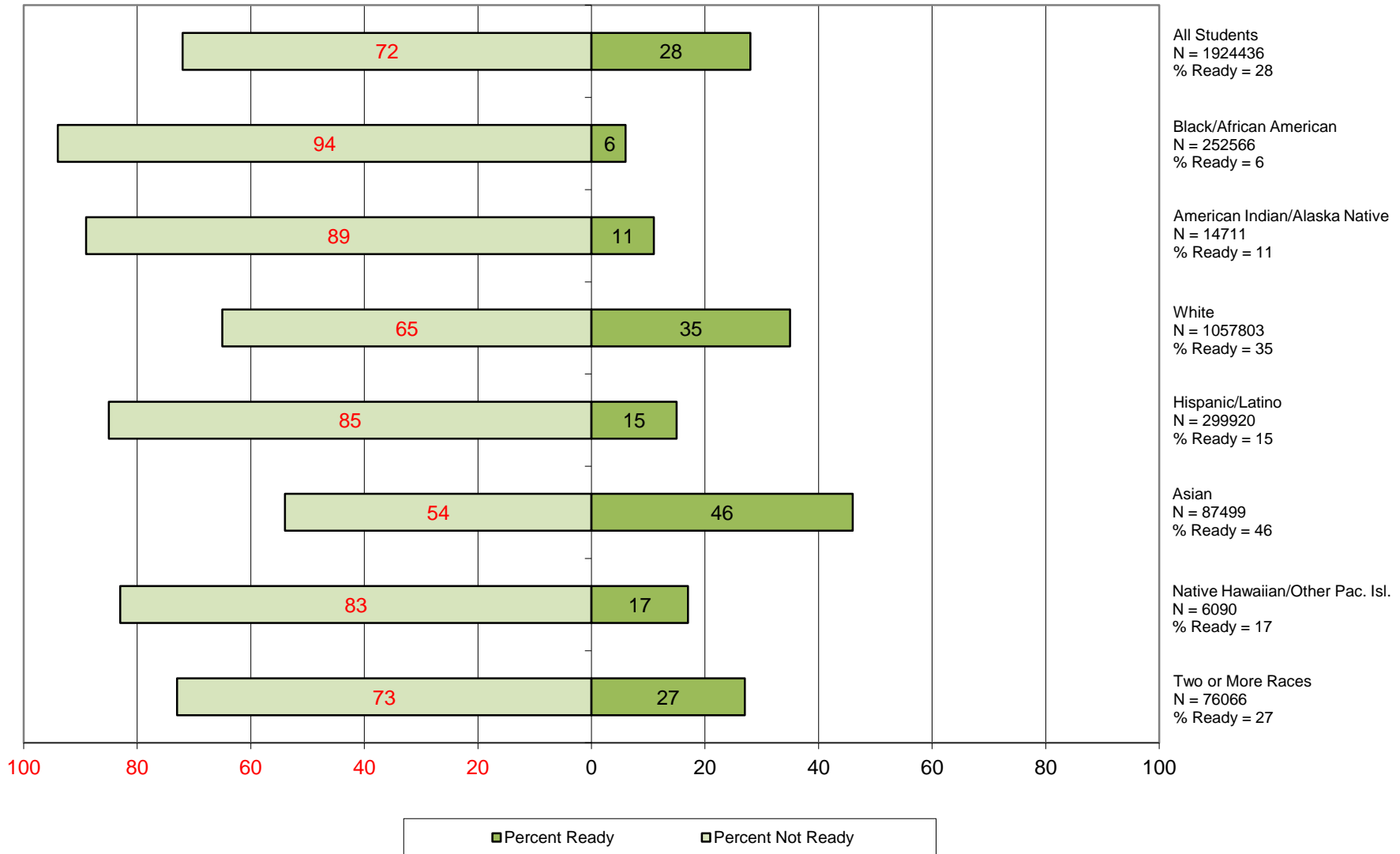


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 1,924,436

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



Total Students in Report: 1,924,436

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	373,145	19	21.7	5.8	158,385	18	21.3	5.8	213,898	21	22.1	5.5
Eng 9, Eng 10, Eng 11, Eng 12	1,359,318	71	20.6	4.7	636,636	71	20.3	4.8	716,011	71	20.9	4.3
Less than 4 years of English	93,944	5	15.9	-	49,999	6	15.5	-	42,162	4	16.6	-
Zero years / no English courses reported	98,029	5	16.5	-	50,755	6	16.3	-	41,141	4	17.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	123,105	6	23.5	7.2	56,024	6	24.2	7.8	66,714	7	22.9	6.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	164,036	9	21.7	5.4	63,031	7	22.2	5.8	100,450	10	21.4	5.1
Alg 1, Alg 2, Geom, & Trig	123,192	6	19.1	2.8	55,133	6	19.5	3.1	67,351	7	18.9	2.6
Alg 1, Alg 2, Geom, & Other Adv Math	362,476	19	19.4	3.1	146,534	16	19.7	3.3	213,794	21	19.2	2.9
Other comb of 4 or more years of Math	655,589	34	23.7	7.4	330,071	37	24.4	8.0	323,842	32	23.0	6.7
Alg 1, Alg 2, & Geom	219,221	11	17.1	0.8	105,283	12	17.3	0.9	111,990	11	16.9	0.6
Other comb of 3 or 3.5 years of Math	95,502	5	19.8	3.5	45,544	5	20.1	3.7	49,345	5	19.5	3.2
Less than 3 years of Math	78,951	4	16.3	-	40,988	5	16.4	-	36,772	4	16.3	-
Zero years / no Math courses reported	102,364	5	17.8	-	53,167	6	18.1	-	42,954	4	17.7	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	48,944	3	22.3	2.8	25,591	3	22.0	2.9	23,122	2	22.5	2.5
Other comb of 4 or more years Social Science	942,441	49	22.3	2.8	418,116	47	22.3	3.2	521,659	51	22.3	2.3
US Hist, World Hist, & Am Gov	108,348	6	19.7	0.2	55,176	6	19.5	0.4	51,871	5	19.9	-0.1
Other comb of 3 or 3.5 years of Social Science	527,956	27	21.4	1.9	244,024	27	21.3	2.2	280,997	28	21.5	1.5
Less than 3 years of Social Science	194,720	10	19.5	-	99,768	11	19.1	-	92,881	9	20.0	-
Zero years / no Social Science courses reported	102,027	5	18.1	-	53,100	6	17.9	-	42,682	4	18.6	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	807,744	42	22.2	4.1	398,420	44	22.8	4.9	406,829	40	21.6	3.2
Bio, Chem, Phys	217,893	11	23.2	5.1	103,065	12	24.0	6.1	114,341	11	22.4	4.0
Gen Sci ² , Bio, Chem	512,754	27	20.1	2.0	204,382	23	20.1	2.2	305,270	30	20.1	1.7
Other comb of 3 years of Natural Science	54,439	3	19.1	1.0	30,335	3	19.6	1.7	23,495	2	18.6	0.2
Less than 3 years of Natural Science	227,926	12	18.1	-	105,749	12	17.9	-	119,733	12	18.4	-
Zero years / no Natural Science courses reported	103,680	5	18.0	-	53,824	6	18.1	-	43,544	4	17.9	-

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: 1,924,436

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	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	1,359,318	71	20.6	65
Less than 4 years of English	93,944	5	15.9	36
Zero years / no English courses reported	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	362,476	19	19.4	30
Other comb of 4 or more years of Math	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	95,502	5	19.8	34
Less than 3 years of Math	78,951	4	16.3	8
Zero years / no Math courses reported	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	48,944	3	22.3	51
Other comb of 4 or more years Social Science	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	527,956	27	21.4	46
Less than 3 years of Social Science	194,720	10	19.5	34
Zero years / no Social Science courses reported	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	807,744	42	22.2	48
Bio, Chem, Phys	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	512,754	27	20.1	30
Other comb of 3 years of Natural Science	54,439	3	19.1	24
Less than 3 years of Natural Science	227,926	12	18.1	18
Zero years / no Natural Science courses reported	103,680	5	18.0	20

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: 1,924,436

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	31,600	2	19.7	4,657	4	16.4	24,870	2	20.5
Architecture	19,625	1	20.6	1,088	1	15.9	16,857	1	21.0
Area, Ethnic, & Multidisciplinary Studies	2,366	0	21.7	180	0	15.2	1,976	0	22.5
Arts: Visual & Performing	117,704	6	20.2	10,940	9	16.4	96,769	6	20.8
Business	182,684	9	21.3	11,143	9	16.6	157,809	10	21.6
Communications	36,387	2	21.5	1,244	1	16.5	32,645	2	21.7
Community, Family, & Personal Services	56,985	3	17.8	11,097	9	16.1	41,424	3	18.4
Computer Science & Mathematics	57,257	3	23.2	3,171	3	17.8	49,723	3	23.6
Education	87,798	5	20.4	3,188	3	15.9	79,511	5	20.7
Engineering	157,025	8	23.6	7,070	6	16.1	138,689	9	24.1
Engineering Technology & Drafting	27,853	1	19.6	4,592	4	16.1	21,043	1	20.5
English & Foreign Languages	20,414	1	23.8	644	1	18.0	18,290	1	24.0
Health Administration & Assisting	60,627	3	18.1	5,683	5	15.9	49,794	3	18.5
Health Sciences & Technologies	345,189	18	21.0	14,732	12	16.7	312,356	20	21.3
Philosophy, Religion, & Theology	7,739	0	21.5	332	0	17.4	6,754	0	21.8
Repair, Production, & Construction	26,312	1	17.0	12,977	11	16.4	10,789	1	18.0
Sciences: Biological & Physical	121,999	6	23.9	1,421	1	17.0	112,383	7	24.0
Social Sciences & Law	142,921	7	21.4	3,876	3	16.5	128,987	8	21.6
Undecided	272,985	14	21.7	14,510	12	16.6	210,799	14	22.3
No Response	144,433	8	17.2	8,318	7	14.4	13,714	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: 1,924,436

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	36,618	16.1	6,832	14.3	486	14.9	18,702	17.0	5,707	15.3
2-yr College Degree	85,934	16.3	14,262	14.5	1,205	15.2	45,378	17.3	14,879	15.4
Bachelors Degree	841,013	20.3	110,635	16.7	6,687	17.9	501,209	21.6	124,048	18.4
Graduate Study	294,718	23.8	26,557	19.0	1,442	20.6	184,478	24.8	37,925	21.5
Prof. Level Degree	391,795	23.2	55,323	19.1	2,631	20.2	197,650	24.7	65,276	21.0
Other	35,151	17.4	5,433	15.0	436	15.5	17,090	18.3	6,269	16.2
No Response	239,207	19.4	33,524	15.6	1,824	16.2	93,296	21.3	45,816	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	36,618	16.1	906	18.1	125	14.2	1,036	16.7	2,824	15.5
2-yr College Degree	85,934	16.3	1,299	15.9	329	14.5	2,933	16.7	5,649	15.9
Bachelors Degree	841,013	20.3	26,648	21.4	2,547	18.4	33,163	20.3	36,076	20.0
Graduate Study	294,718	23.8	15,831	25.5	830	21.6	11,587	23.7	16,068	23.9
Prof. Level Degree	391,795	23.2	28,923	26.1	1,160	21.5	18,330	23.1	22,502	24.0
Other	35,151	17.4	1,360	19.8	128	15.4	1,289	18.0	3,146	17.6
No Response	239,207	19.4	12,532	23.5	971	16.6	7,728	19.7	43,516	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: 1,924,436

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	1,108,908	21.0	6.9	20.2
Black/African American	136,380	16.3	6.0	15.9
American Indian/Alaska Native	7,142	16.5	5.9	16.0
White	567,060	22.8	7.1	21.8
Hispanic/Latino	196,970	18.4	6.7	18.1
Asian	68,736	23.9	7.6	23.0
Native Hawaiian/Other Pac. Isl.	4,070	18.0	6.5	17.6
Two or more races	45,517	21.3	6.9	20.4
Prefer not/No Response	83,033	20.8	6.7	19.9
Males	507,737	20.7	6.6	19.7
Females	590,537	21.4	7.1	20.8
Missing	10,634	16.0	5.6	15.4

