

ACT Profile Report - State

Graduating Class 2014

Arizona



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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

21% 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: 33,999 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. 59% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 5% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 8% of these students were college ready. In comparison, 46% 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 22% of the cohort took less than three years of natural science courses. 16% of these students were college ready. In comparison, 35% 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 55% 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 319-337-1309 or customerservices@act.org.

Section I

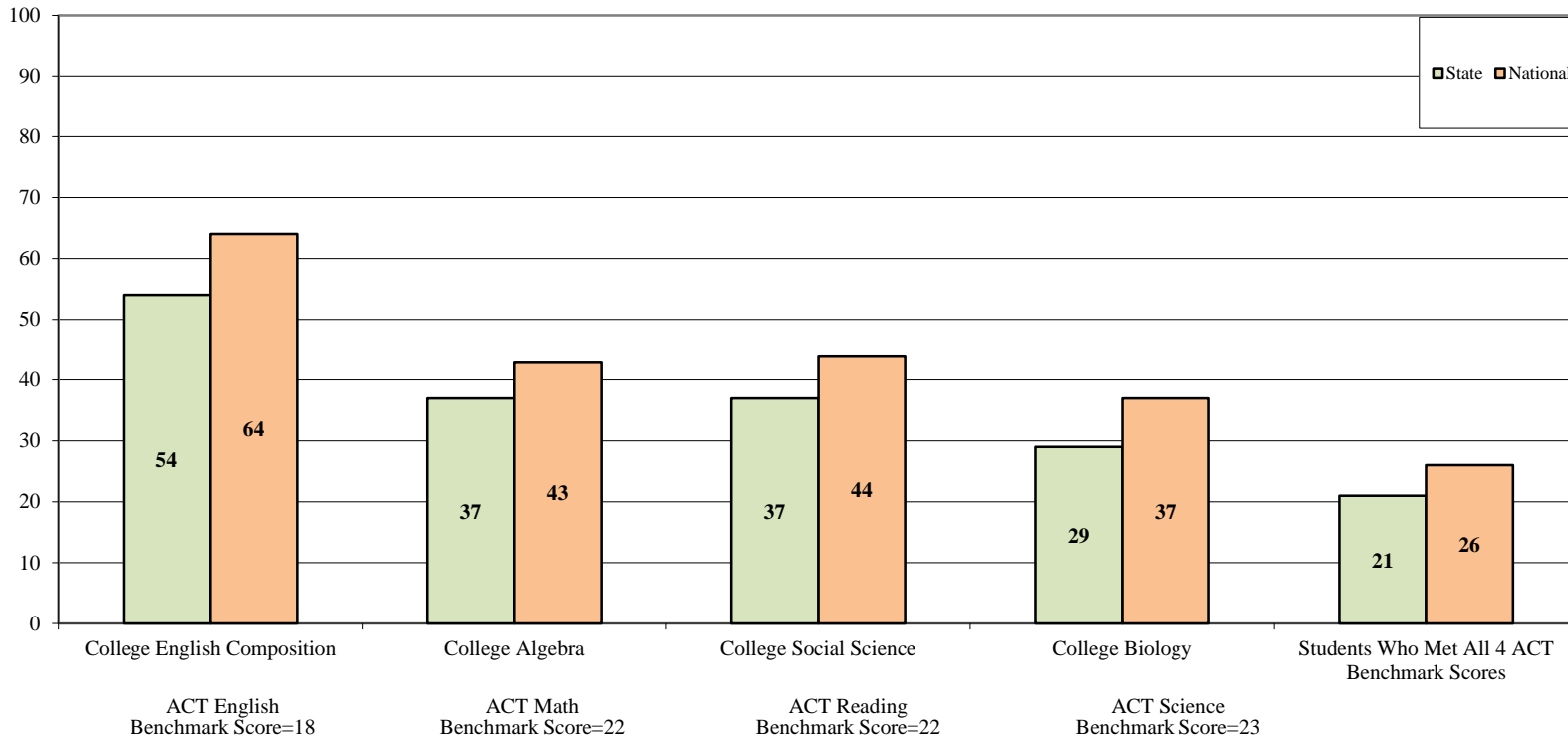
Executive Summary

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: 33,999

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	23,303	1,568,835	56	66	39	43	46	52	23	29	19	24
2011	27,952	1,623,112	53	66	39	45	43	52	22	30	18	25
2012	29,876	1,666,017	54	67	39	46	42	52	23	31	20	25
2013	31,658	1,799,243	53	64	38	44	37	44	28	36	21	26
2014	33,999	1,845,787	54	64	37	43	37	44	29	37	21	26

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	23,303	1,568,835	18.9	20.5	20.4	21.0	20.2	21.3	19.9	20.9	20.0	21.0
2011	27,952	1,623,112	18.6	20.6	20.3	21.1	19.9	21.3	19.6	20.9	19.7	21.1
2012	29,876	1,666,017	18.6	20.5	20.3	21.1	19.7	21.3	19.5	20.9	19.7	21.1
2013	31,658	1,799,243	18.5	20.2	20.3	20.9	19.6	21.1	19.4	20.7	19.6	20.9
2014	33,999	1,845,787	18.8	20.3	20.2	20.9	20.0	21.3	19.5	20.8	19.7	21.0

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: 33,999

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	14,617	7,327	63	31	20.5	16.2	21.7	18.3	21.6	18.0	21.1	17.8	21.3	17.7
2011	16,314	8,995	58	32	20.5	15.9	21.8	18.1	21.4	17.7	21.0	17.5	21.3	17.4
2012	18,138	9,204	61	31	20.4	16.1	21.7	18.3	21.3	17.6	20.9	17.6	21.2	17.5
2013	18,945	9,410	60	30	20.3	16.3	21.7	18.4	21.3	17.6	20.8	17.6	21.2	17.6
2014	20,182	10,403	59	31	20.5	16.6	21.6	18.4	21.6	18.1	21.0	17.6	21.3	17.8

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.

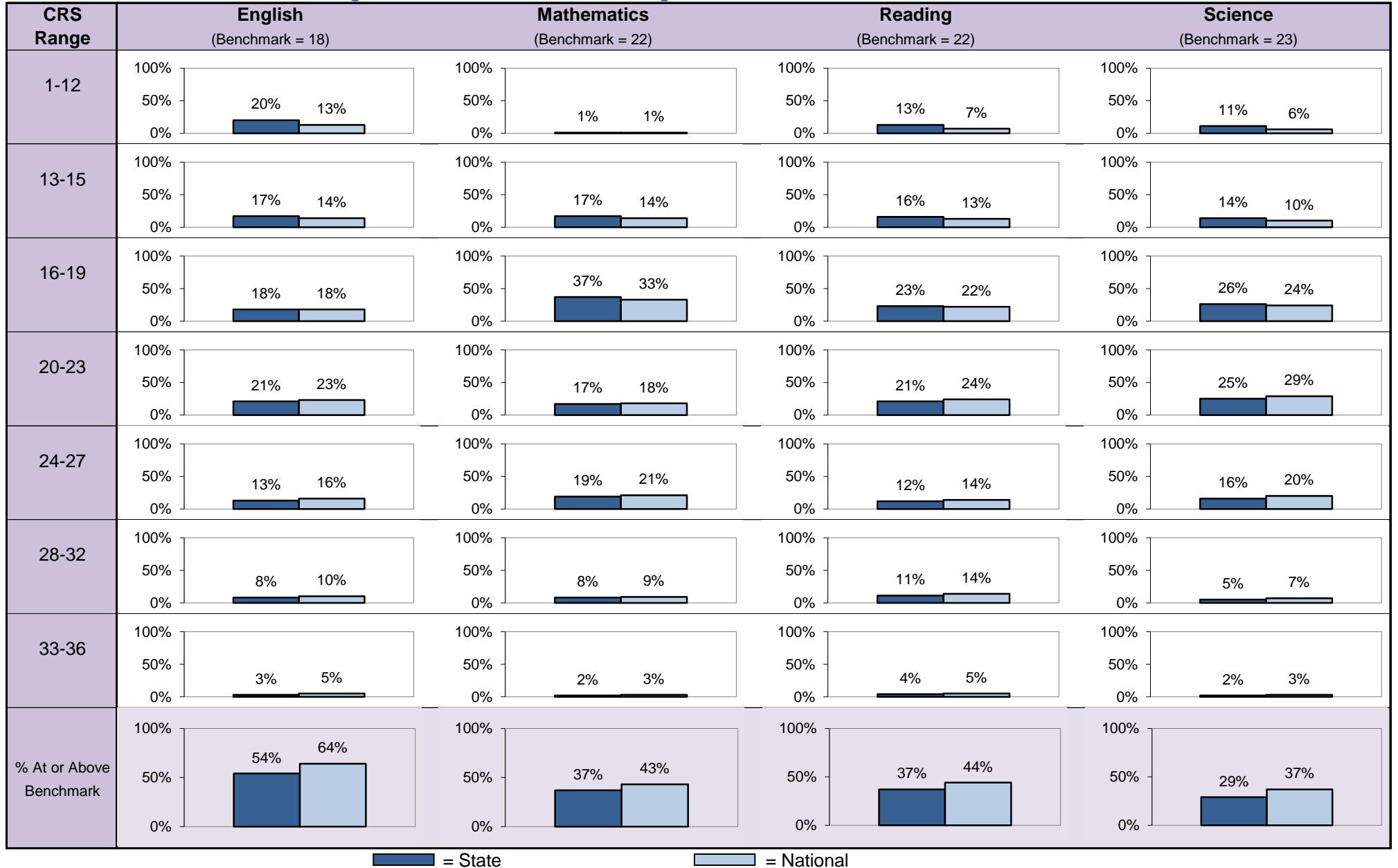
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	23,303	100	20.0	27,952	100	19.7	29,876	100	19.7	31,658	100	19.6	33,999	100	19.7
Black/African American	1,045	4	17.5	1,209	4	17.4	1,312	4	17.0	1,380	4	17.1	1,452	4	17.1
American Indian/Alaska Native	1,449	6	16.3	1,340	5	16.3	1,328	4	16.5	1,312	4	16.4	1,364	4	16.6
White	10,568	45	22.3	11,617	42	22.3	11,797	39	22.3	12,210	39	22.3	12,906	38	22.4
Hispanic/Latino	6,653	29	17.4	9,469	34	17.2	11,676	39	17.4	12,312	39	17.4	13,345	39	17.5
Asian	792	3	22.5	973	3	22.7	1,015	3	22.4	1,070	3	22.5	1,160	3	22.8
Native Hawaiian/Other Pacific Islander	0	0	.	21	0	19.5	108	0	17.8	139	0	18.9	137	0	18.7
Two or more races	1,012	4	20.3	1,171	4	20.1	994	3	21.2	1,099	3	20.9	1,243	4	21.1
Prefer not to respond/No response	1,784	8	18.5	2,152	8	18.5	1,646	6	19.1	2,136	7	18.2	2,392	7	19.0

Total Students in Report: 33,999

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



Total Students in Report: 33,999

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
State	Standard Time	33,572	99	18.8	20.3	20.0	19.5	19.8
	Extended Time	427	1	16.1	17.7	17.8	17.5	17.4
	Total	33,999	100	18.8	20.2	20.0	19.5	19.7
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	
State	Standard Time	55	38	37	29	21
	Extended Time	35	20	29	21	14
	Total	54	37	37	29	21
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: 33,999

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	62	100	68	100	171	100	142	100	17	100	36
35	280	100	163	100	172	99	171	100	83	100	35
34	404	99	244	99	422	99	234	99	184	100	34
33	436	98	260	99	680	98	201	98	261	99	33
32	378	97	226	98	762	96	205	98	304	98	32
31	377	95	290	97	703	94	281	97	434	98	31
30	553	94	464	96	768	91	345	96	599	96	30
29	560	93	751	95	719	89	288	95	710	94	29
28	713	91	954	93	790	87	557	95	867	92	28
27	670	89	1,099	90	848	85	941	93	982	90	27
26	899	87	1,650	87	1,026	82	824	90	1,124	87	26
25	1,321	84	1,645	82	1,003	79	1,802	88	1,419	84	25
24	1,585	80	2,096	77	1,247	76	2,042	82	1,632	79	24
23	1,319	76	1,625	71	1,866	73	1,754	76	1,795	75	23
22	1,798	72	1,168	66	1,428	67	2,424	71	1,911	69	22
21	1,953	67	1,422	63	2,442	63	2,321	64	1,942	64	21
20	2,005	61	1,498	58	1,439	56	2,064	57	1,990	58	20
19	1,801	55	1,650	54	2,490	52	2,864	51	2,095	52	19
18	1,371	50	2,003	49	1,542	44	1,781	43	2,126	46	18
17	1,021	46	3,638	43	1,511	40	2,558	38	2,182	40	17
16	1,969	43	5,165	33	2,285	35	1,737	30	2,231	33	16
15	2,235	37	3,559	17	1,556	28	1,648	25	2,328	27	15
14	2,005	30	1,586	7	2,360	24	1,554	20	2,255	20	14
13	1,477	24	530	2	1,491	17	1,397	15	2,196	13	13
12	1,442	20	139	1	1,976	13	1,229	11	1,413	7	12
11	1,833	16	76	1	906	7	938	8	588	3	11
10	1,485	10	12	1	858	4	711	5	215	1	10
9	1,008	6	6	1	232	2	692	3	68	1	9
8	504	3	7	1	17	1	160	1	30	1	8
7	330	2	0	1	136	1	67	1	11	1	7
6	99	1	4	1	82	1	3	1	7	1	6
5	71	1	0	1	47	1	40	1	0	1	5
4	26	1	1	1	2	1	16	1	0	1	4
3	7	1	0	1	7	1	0	1	0	1	3
2	2	1	0	1	11	1	7	1	0	1	2
1	0	1	0	1	4	1	1	1	0	1	1
Avg (SD)	18.8 (6.6)		20.2 (5.2)		20.0 (6.5)		19.5 (5.6)		19.7 (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: 33,999

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	884	100	270	100	599	100	867	100	878	100	210	100	196	100	18
17	1,430	97	334	99	1,468	98	1,575	97	1,085	97	286	99	101	99	17
16	964	93	1,085	98	1,541	94	1,660	93	1,367	94	620	99	1,075	99	16
15	1,272	90	1,803	95	1,255	89	1,750	88	1,537	90	1,548	97	1,422	96	15
14	1,073	87	1,690	90	2,053	86	1,746	83	2,028	86	2,527	92	2,246	92	14
13	1,883	83	2,486	85	2,852	80	2,050	78	3,238	80	3,198	85	2,285	85	13
12	2,032	78	2,590	77	2,587	71	2,334	72	2,795	70	3,157	75	2,835	78	12
11	2,592	72	3,417	70	2,636	64	2,478	65	2,231	62	3,873	66	4,094	70	11
10	2,943	64	2,898	60	2,872	56	2,411	57	2,253	55	4,384	55	3,207	58	10
9	2,867	56	3,884	51	2,925	47	4,153	50	3,500	49	5,838	42	5,425	49	9
8	3,478	47	3,250	40	3,388	39	2,525	38	4,005	38	3,729	25	5,578	33	8
7	2,680	37	2,619	30	4,405	29	2,551	31	4,003	27	2,335	14	2,623	16	7
6	2,777	29	2,655	23	2,350	16	2,230	23	2,783	15	534	7	484	9	6
5	2,636	21	2,253	15	1,502	9	3,329	17	1,574	7	1,129	5	1,395	7	5
4	2,086	13	1,970	8	834	5	1,273	7	488	2	97	2	225	3	4
3	1,675	7	590	2	424	2	685	3	180	1	423	2	590	2	3
2	617	2	184	1	223	1	359	1	46	1	19	1	73	1	2
1	110	1	21	1	85	1	23	1	8	1	92	1	145	1	1
Avg (SD)	9.2 (4.1)		9.6 (3.5)		10.1 (3.7)		10.0 (4.0)		10.3 (3.6)		10.4 (2.9)		10.0 (3.0)		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)	23	24	24	23	24
Q2 (50th Percentile)	19	19	19	19	19
Q1 (25th Percentile)	14	16	15	16	15

Total Students in Report: 33,999

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
State	All Students	33,999	59	21.3	17.8
	Black/African American	1,452	54	18.4	16.0
	American Indian/Alaska Native	1,364	66	17.1	15.8
	White	12,906	70	23.4	20.3
	Hispanic/Latino	13,345	50	18.9	16.4
	Asian	1,160	70	24.3	20.2
	Native Hawaiian/Other Pac. Isl.	137	61	20.0	17.2
	Two or more races	1,243	66	22.1	19.5
	Prefer not/No Response	2,392	41	21.8	16.7
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
State	All Students	18.8	20.2	20.0	19.5	19.7
	Black/African American	15.8	17.9	17.4	17.0	17.1
	American Indian/Alaska Native	14.6	17.4	16.7	17.1	16.6
	White	21.8	22.4	22.8	21.9	22.4
	Hispanic/Latino	16.2	18.4	17.6	17.4	17.5
	Asian	21.9	24.2	22.2	22.4	22.8
	Native Hawaiian/Other Pac. Isl.	17.3	19.3	19.0	18.6	18.7
	Two or more races	20.4	21.0	21.7	20.8	21.1
	Prefer not/No Response	17.9	19.7	19.3	18.7	19.0
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: 33,999

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	1,182	3	735	2	1,445	4	748	2
	28 to 32	2,581	8	2,685	8	3,742	11	1,676	5
	24 to 27	4,475	13	6,490	19	4,124	12	5,609	16
	20 to 23	7,075	21	5,713	17	7,175	21	8,563	25
	16 to 19	6,162	18	12,456	37	7,828	23	8,940	26
	13 to 15	5,717	17	5,675	17	5,407	16	4,599	14
	01 to 12	6,807	20	245	1	4,278	13	3,864	11
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
State	Males	15,565	46	18.4	20.6	19.7	19.7	19.7
	Females	17,573	52	19.2	19.9	20.4	19.4	19.8
	Missing	861	3	16.4	18.7	17.9	17.5	17.8
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	
State	Males	52	40	36	31	23
	Females	57	35	39	27	20
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 33,999

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	20,182	66	20.5	49	21.6	47	21.6	38	21.0	29	21.3
	Less than Core	10,403	40	16.6	22	18.4	25	18.1	17	17.6	11	17.8
	Missing ³	3,414	29	14.8	15	17.4	17	16.4	10	16.2	6	16.3
National	Core or More	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	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
State	Core or More ²	28,298	60	19.6	29,365	41	20.7	26,497	43	20.9	23,378	35	20.5
	Less than Core	2,808	26	14.6	1,591	8	16.5	4,397	17	16.7	7,414	16	17.6
	Missing ³	2,893	30	15.0	3,043	16	17.5	3,105	17	16.4	3,207	10	16.3
National	Core or More	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	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

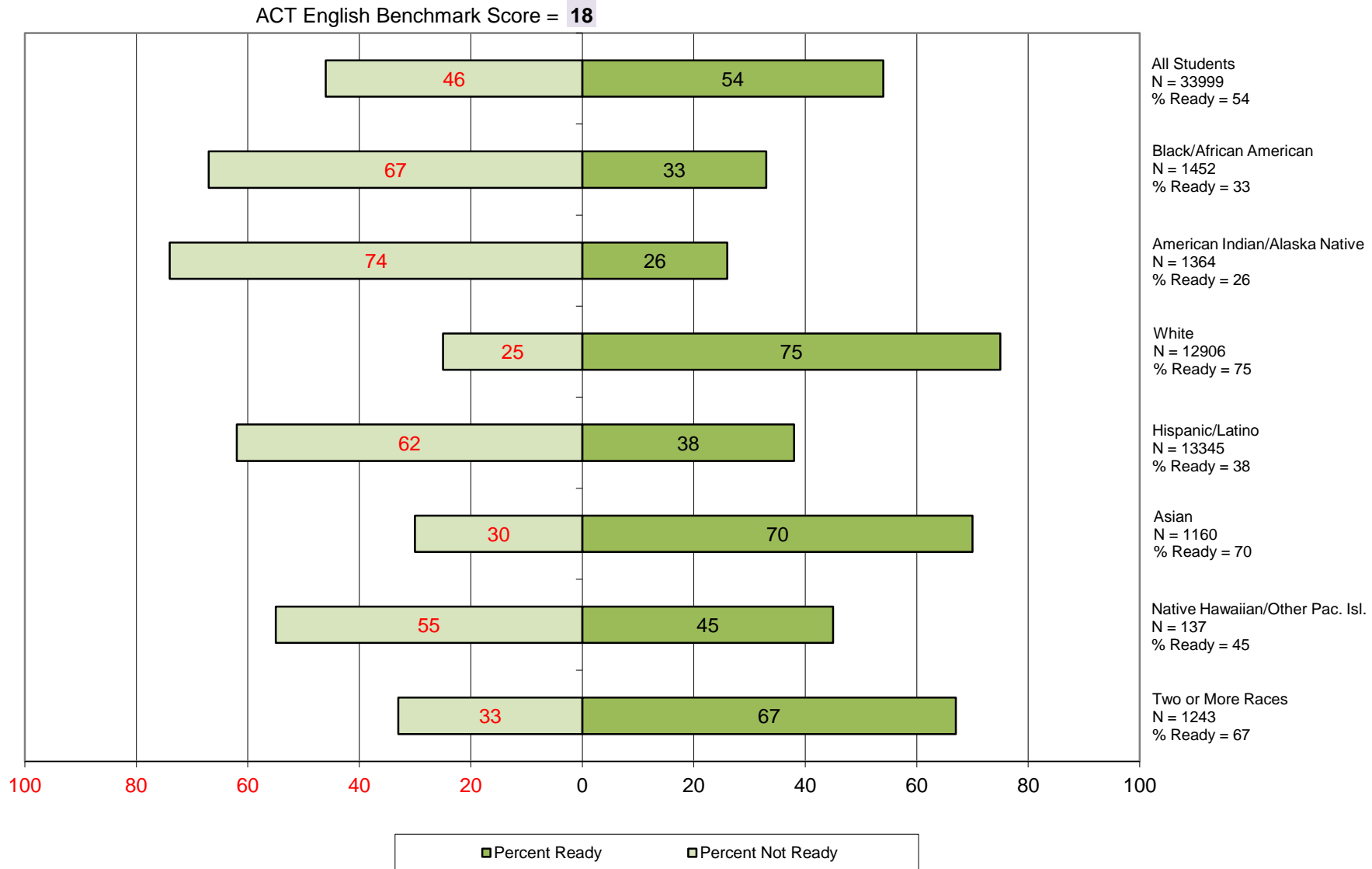


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

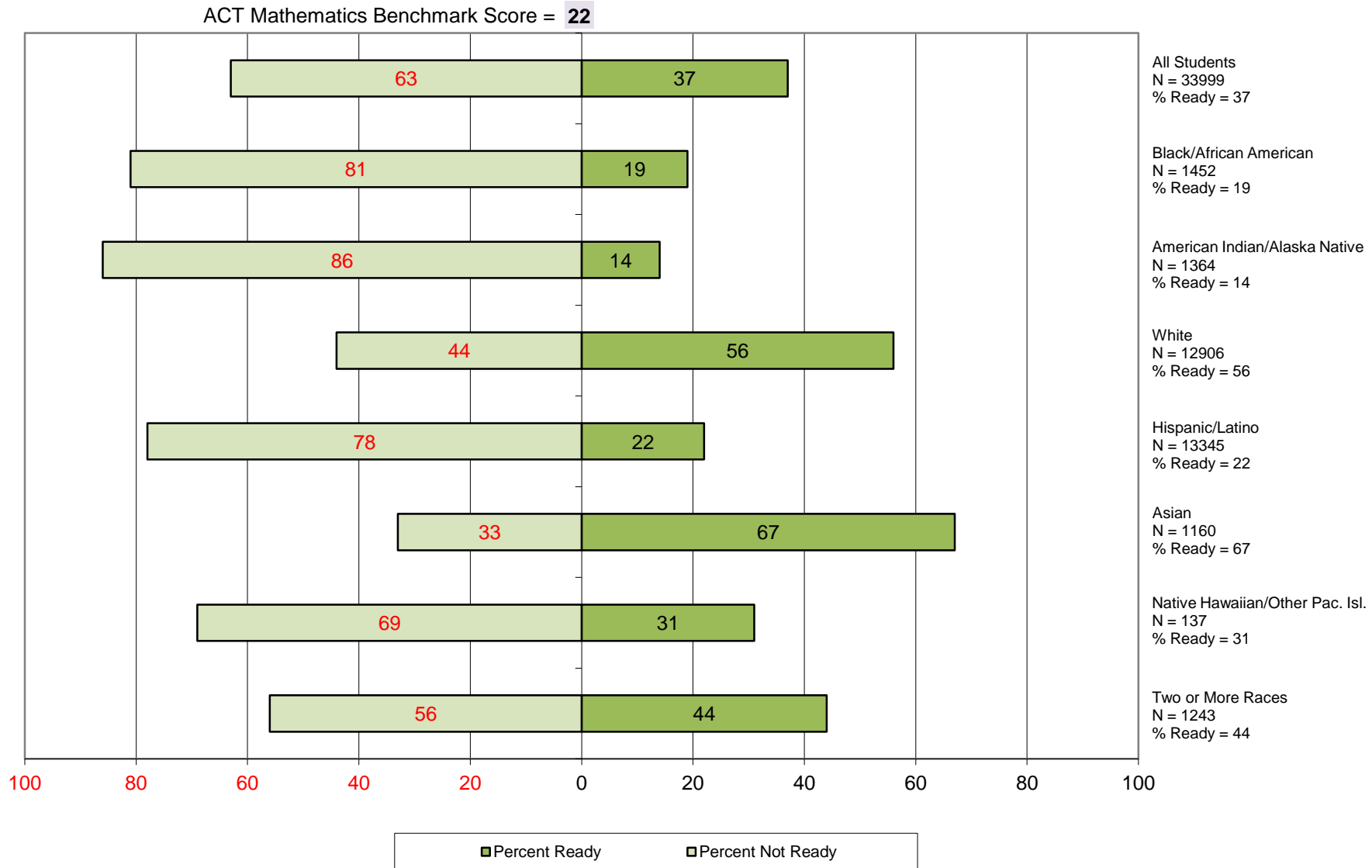
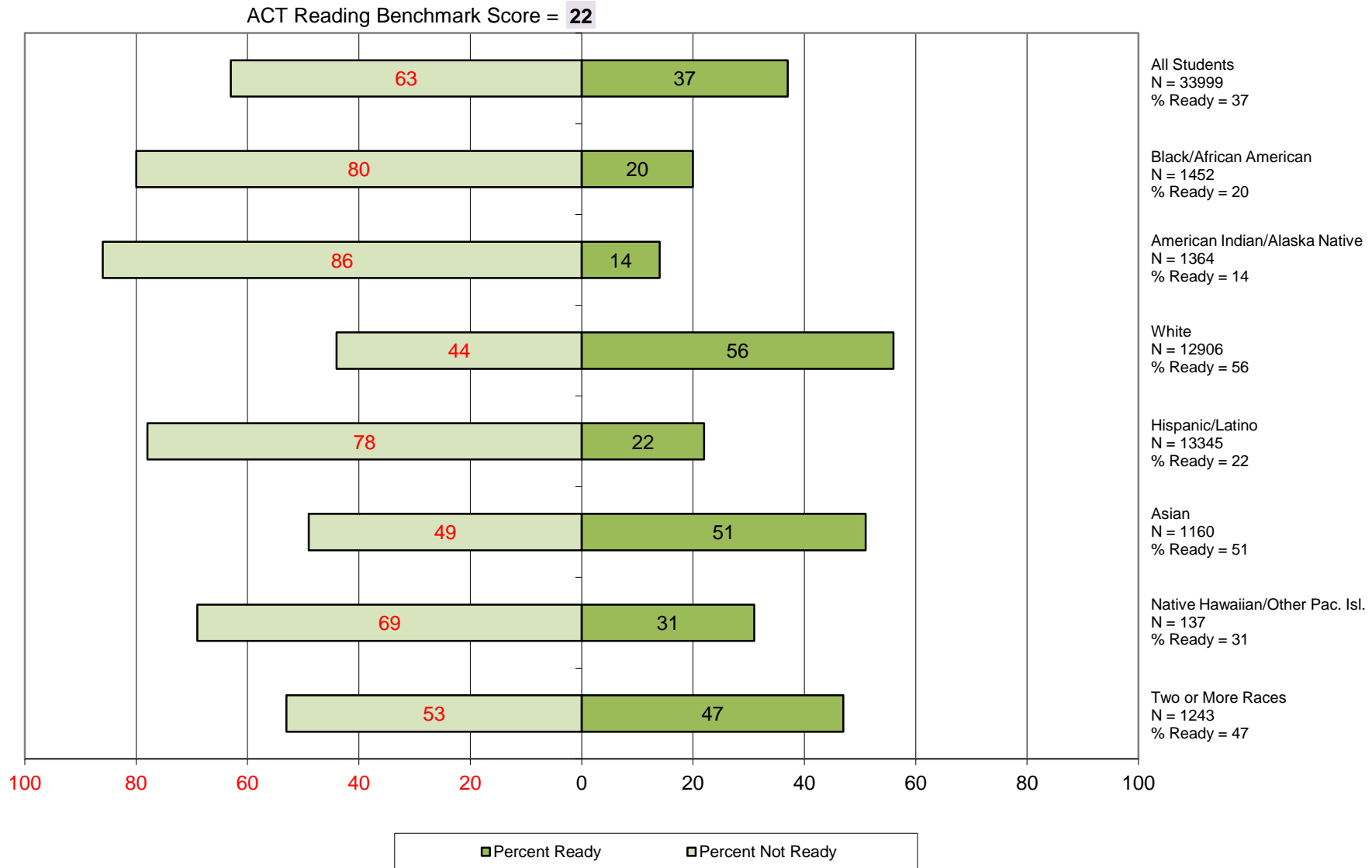
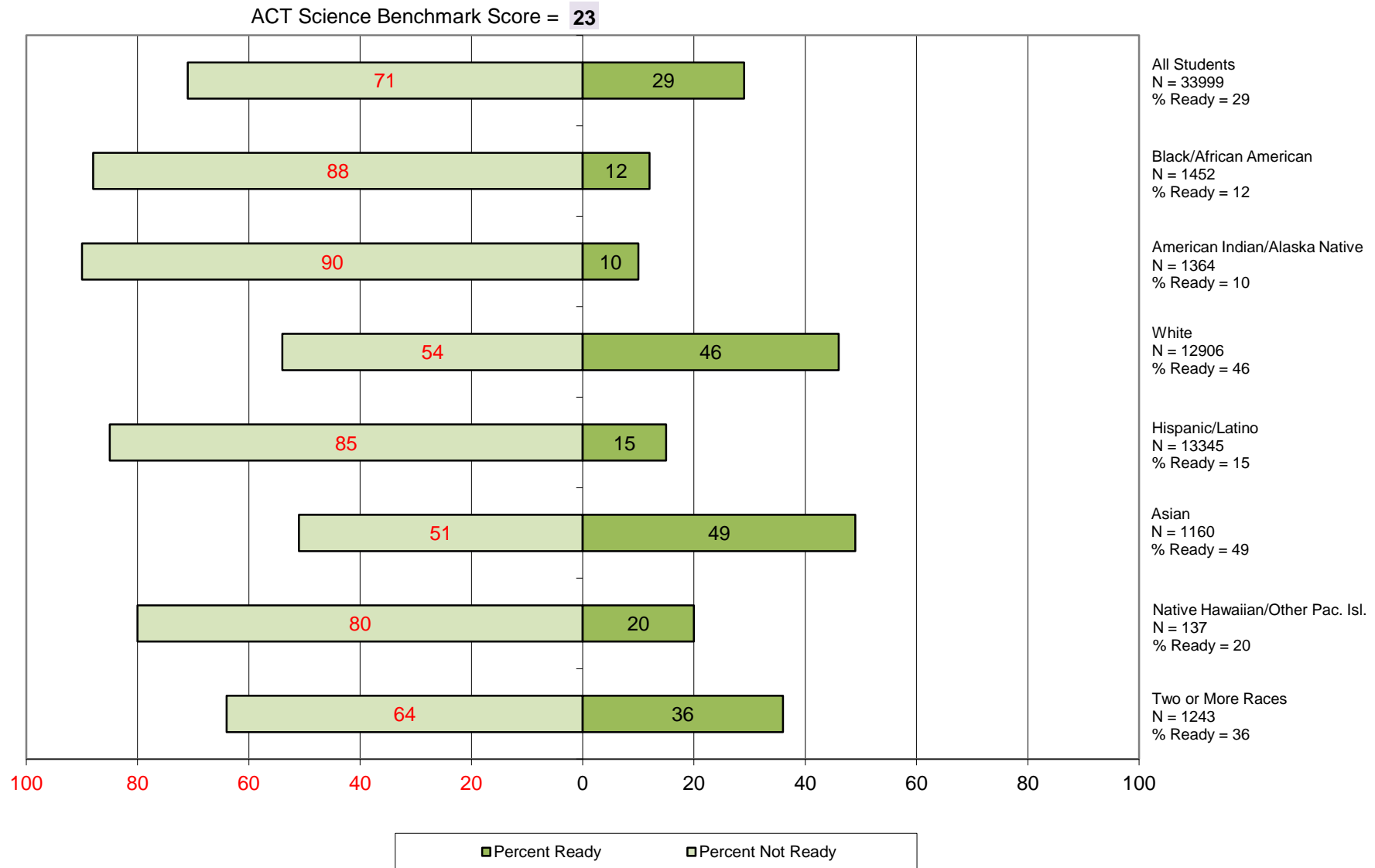


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



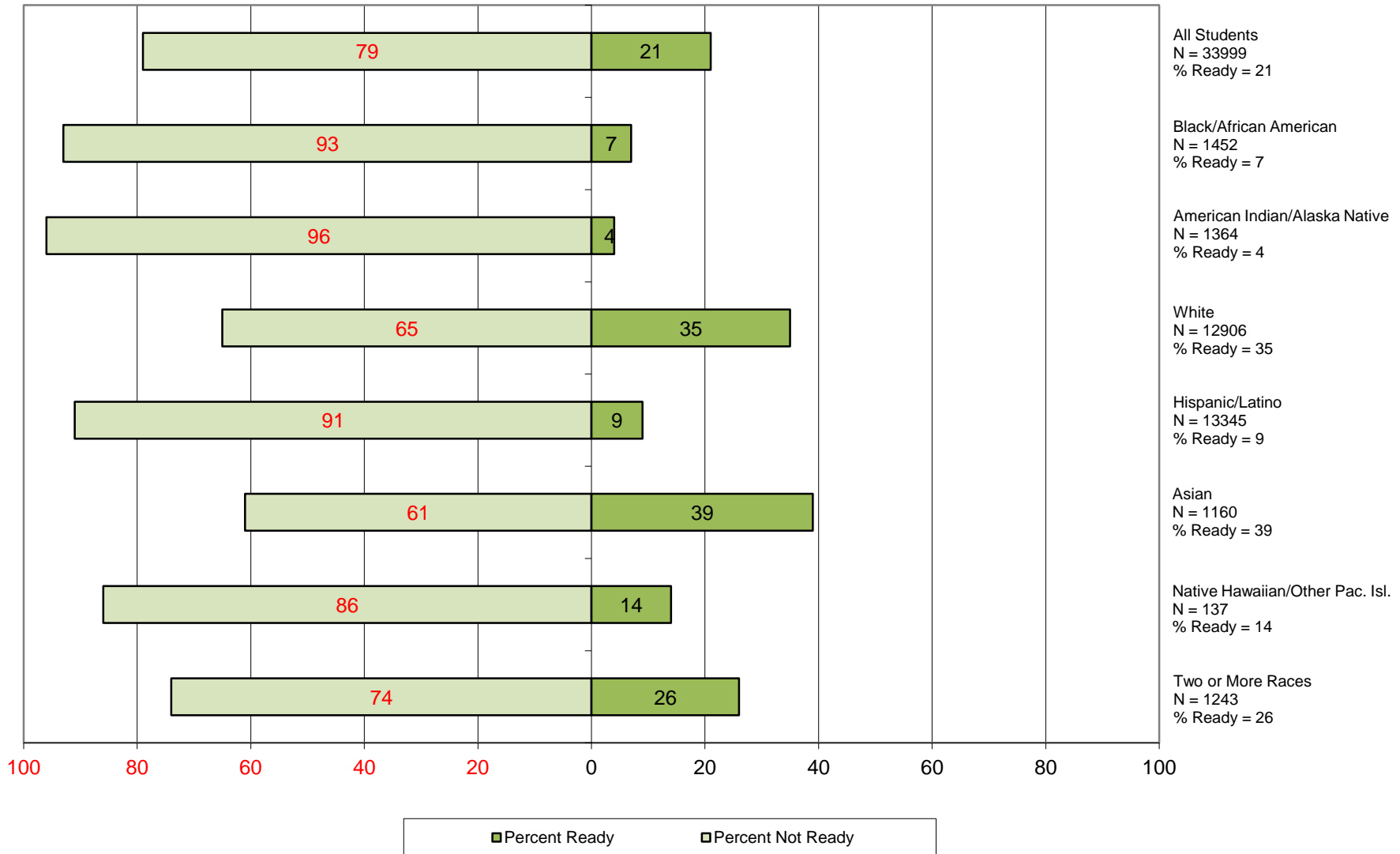
Total Students in Report: 33,999

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



Total Students in Report: 33,999

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



Total Students in Report: 33,999

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	3,403	10	20.0	5.4	1,467	9	19.9	5.7	1,925	11	20.1	5.0
Eng 9, Eng 10, Eng 11, Eng 12	24,895	73	19.5	4.9	11,389	73	19.2	5.0	13,315	76	19.8	4.7
Less than 4 years of English	2,808	8	14.6	-	1,464	9	14.2	-	1,283	7	15.1	-
Zero years / no English courses reported	2,893	9	15.0	-	1,245	8	14.1	-	1,050	6	14.9	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,023	6	23.8	7.3	973	6	24.4	7.9	1,038	6	23.2	6.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,485	7	21.9	5.4	963	6	22.4	5.9	1,510	9	21.7	5.3
Alg 1, Alg 2, Geom, & Trig	2,360	7	19.6	3.1	1,021	7	20.2	3.7	1,312	7	19.2	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	8,684	26	19.0	2.5	3,748	24	19.3	2.8	4,854	28	18.9	2.5
Other comb of 4 or more years of Math	8,614	25	23.3	6.8	4,250	27	24.0	7.5	4,326	25	22.7	6.3
Alg 1, Alg 2, & Geom	3,450	10	16.8	0.3	1,657	11	17.0	0.5	1,740	10	16.6	0.2
Other comb of 3 or 3.5 years of Math	1,749	5	20.2	3.7	829	5	20.3	3.8	911	5	20.2	3.8
Less than 3 years of Math	1,591	5	16.5	-	796	5	16.5	-	769	4	16.4	-
Zero years / no Math courses reported	3,043	9	17.5	-	1,328	9	17.2	-	1,113	6	16.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	393	1	19.3	2.6	199	1	19.0	2.4	191	1	19.6	2.7
Other comb of 4 or more years Social Science	12,070	36	22.0	5.3	5,044	32	21.8	5.2	6,978	40	22.1	5.2
US Hist, World Hist, & Am Gov	1,650	5	18.5	1.8	850	5	18.5	1.9	781	4	18.6	1.7
Other comb of 3 or 3.5 years of Social Science	12,384	36	20.3	3.6	5,747	37	20.2	3.6	6,525	37	20.4	3.5
Less than 3 years of Social Science	4,397	13	16.7	-	2,349	15	16.6	-	1,974	11	16.9	-
Zero years / no Social Science courses reported	3,105	9	16.4	-	1,376	9	15.7	-	1,124	6	16.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	7,782	23	21.0	3.4	3,926	25	21.5	4.3	3,811	22	20.5	2.7
Bio, Chem, Phys	4,349	13	23.8	6.2	2,130	14	24.5	7.3	2,196	12	23.1	5.3
Gen Sci ² , Bio, Chem	10,054	30	19.0	1.4	4,176	27	19.0	1.8	5,796	33	19.1	1.3
Other comb of 3 years of Natural Science	1,193	4	18.5	0.9	677	4	19.4	2.2	501	3	17.5	-0.3
Less than 3 years of Natural Science	7,414	22	17.6	-	3,243	21	17.2	-	4,080	23	17.8	-
Zero years / no Natural Science courses reported	3,207	9	16.3	-	1,413	9	15.9	-	1,189	7	16.0	-

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: 33,999

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	3,403	10	20.0	62	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	24,895	73	19.5	59	1,305,220	71	20.5	65
Less than 4 years of English	2,808	8	14.6	26	88,420	5	15.9	36
Zero years / no English courses reported	2,893	9	15.0	30	81,272	4	16.3	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,023	6	23.8	67	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,485	7	21.9	55	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	2,360	7	19.6	32	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	8,684	26	19.0	26	356,555	19	19.4	31
Other comb of 4 or more years of Math	8,614	25	23.3	63	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	3,450	10	16.8	8	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	1,749	5	20.2	38	90,105	5	19.8	35
Less than 3 years of Math	1,591	5	16.5	8	74,627	4	16.4	8
Zero years / no Math courses reported	3,043	9	17.5	16	84,966	5	17.8	19
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	393	1	19.3	32	48,992	3	22.3	50
Other comb of 4 or more years Social Science	12,070	36	22.0	50	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	1,650	5	18.5	27	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	12,384	36	20.3	38	504,877	27	21.3	43
Less than 3 years of Social Science	4,397	13	16.7	17	180,385	10	19.4	32
Zero years / no Social Science courses reported	3,105	9	16.4	17	85,294	5	17.8	24
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	7,782	23	21.0	40	781,043	42	22.1	46
Bio, Chem, Phys	4,349	13	23.8	60	199,419	11	23.1	54
Gen Sci ¹ , Bio, Chem	10,054	30	19.0	23	505,460	27	20.0	28
Other comb of 3 years of Natural Science	1,193	4	18.5	19	52,236	3	19.2	24
Less than 3 years of Natural Science	7,414	22	17.6	16	220,701	12	18.1	17
Zero years / no Natural Science courses reported	3,207	9	16.3	10	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: 33,999

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	381	1	18.8	48	2	14.5	310	1	19.6
Architecture	396	1	18.7	36	1	15.2	335	1	19.2
Area, Ethnic, & Multidisciplinary Studies	44	0	21.2	9	0	15.0	32	0	22.5
Arts: Visual & Performing	2,257	7	19.1	259	11	16.0	1,813	7	19.7
Business	2,848	8	20.3	250	10	15.7	2,415	9	20.9
Communications	541	2	20.7	23	1	15.5	500	2	21.1
Community, Family, & Personal Services	1,298	4	16.6	246	10	15.0	942	4	17.2
Computer Science & Mathematics	792	2	22.0	49	2	15.7	697	3	22.5
Education	1,083	3	19.5	65	3	14.7	969	4	19.9
Engineering	2,809	8	22.6	129	5	15.0	2,502	10	23.1
Engineering Technology & Drafting	564	2	18.3	97	4	14.6	418	2	19.1
English & Foreign Languages	311	1	22.5	17	1	15.3	276	1	23.1
Health Administration & Assisting	1,258	4	17.0	159	7	14.9	1,011	4	17.5
Health Sciences & Technologies	6,239	18	20.1	287	12	16.0	5,625	22	20.4
Philosophy, Religion, & Theology	132	0	20.2	6	0	15.5	116	0	20.6
Repair, Production, & Construction	436	1	16.4	153	6	15.5	230	1	17.3
Sciences: Biological & Physical	1,793	5	23.3	28	1	16.8	1,688	7	23.4
Social Sciences & Law	2,691	8	20.4	102	4	15.3	2,441	9	20.7
Undecided	3,703	11	20.8	257	11	15.3	2,878	11	21.6
No Response	4,310	13	16.4	168	7	13.5	449	2	16.2

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: 33,999

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	718	15.0	21	13.1	52	14.2	186	17.1	367	14.2
2-yr College Degree	1,704	15.4	64	13.8	117	14.5	408	17.5	943	14.7
Bachelors Degree	13,403	19.3	626	16.8	605	16.4	5,546	21.6	5,177	17.4
Graduate Study	4,803	22.6	165	19.6	138	18.7	2,344	24.5	1,531	20.0
Prof. Level Degree	7,505	22.1	334	19.2	257	18.4	2,896	24.4	2,832	19.5
Other	759	16.2	33	14.8	41	13.9	204	19.0	374	15.1
No Response	5,107	17.5	209	14.7	154	15.6	1,322	20.2	2,121	15.7

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	718	15.0	18	15.3	4	13.8	19	16.6	51	14.3
2-yr College Degree	1,704	15.4	22	14.7	3	14.7	35	16.3	112	15.0
Bachelors Degree	13,403	19.3	311	20.5	54	18.2	503	20.2	581	18.8
Graduate Study	4,803	22.6	191	24.0	24	21.5	202	23.2	208	22.7
Prof. Level Degree	7,505	22.1	464	25.5	29	20.5	307	23.3	386	23.0
Other	759	16.2	20	17.5	5	13.6	27	15.9	55	16.0
No Response	5,107	17.5	134	20.1	18	16.7	150	19.8	999	17.8

Total Students in Report: 33,999

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
ARIZONA STATE UNIVERSITY	Arizona	13,315	5,914	7,401	5	18	27	24	16	8	1
UNIVERSITY OF ARIZONA	Arizona	11,479	4,045	7,434	5	18	27	24	16	8	1
NORTHERN ARIZONA UNIVERSITY	Arizona	8,971	2,254	6,717	3	16	29	28	17	7	0
GRAND CANYON UNIVERSITY	Arizona	5,390	1,270	4,120	7	25	32	23	11	3	0
GLENDALE COMMUNITY COLLEGE	Arizona	2,270	718	1,552	10	33	32	17	6	1	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	1,729	1,729	0	12	28	28	18	9	5	1
PHOENIX COLLEGE	Arizona	1,606	420	1,186	19	44	26	9	1	0	0
PIMA COMMUNITY COLLEGE	Arizona	1,348	379	969	12	32	32	16	6	2	0
ARIZONA WESTERN COLLEGE	Arizona	1,154	591	563	17	42	28	9	3	1	0
CHANDLER-GILBERT COMMUNITY COLLEGE	Arizona	957	282	675	6	23	34	25	9	2	0
GATEWAY COMMUNITY COLLEGE	Arizona	882	187	695	16	47	26	9	2	0	0
SAN DIEGO STATE UNIVERSITY	California	859	153	706	4	17	29	27	17	5	1
BRIGHAM YOUNG UNIVERSITY	Utah	848	484	364	0	2	10	25	33	25	4
MESA COMMUNITY COLLEGE	Arizona	801	152	649	9	27	33	19	8	4	0
UNIVERSITY OF SOUTHERN CALIFORNIA	California	780	151	629	5	17	25	24	17	9	3
ART INSTITUTE OF PHOENIX THE	Arizona	735	223	512	14	32	30	15	6	1	0
NCAA ELIGIBILITY CENTER	Indiana	623	283	340	4	15	26	32	13	7	1
STANFORD UNIVERSITY	California	601	155	446	0	5	10	26	22	26	11
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	577	103	474	3	12	23	24	20	16	3
SOUTH MOUNTAIN COMMUNITY COLLEGE	Arizona	494	100	394	21	47	24	7	1	0	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	488	114	374	0	2	13	30	34	18	2
UNIVERSITY OF SAN DIEGO	California	415	70	345	3	12	24	24	24	13	1
EASTERN ARIZONA COLLEGE	Arizona	387	132	255	10	26	26	22	13	4	0
ESTRELLA MOUNTAIN COMMUNITY COLLEGE	Arizona	371	91	280	10	40	30	14	6	1	0
ARIZONA CHRISTIAN UNIVERSITY	Arizona	356	69	287	10	24	29	25	10	3	0
SCOTTSDALE COMMUNITY COLLEGE	Arizona	349	62	287	9	29	36	18	6	3	0
UNIVERSITY OF CALIFORNIA-BERKELEY	California	339	62	277	0	4	10	23	25	28	10
CENTRAL ARIZONA COLLEGE	Arizona	334	86	248	10	29	32	20	6	2	0
COCONINO COMMUNITY COLLEGE	Arizona	312	98	214	11	29	37	18	5	1	0
UNIVERSITY OF WASHINGTON	Washington	308	72	236	1	6	17	26	29	19	2
All Other Institutions		21,954	4,971	16,983	5	16	22	24	18	12	3
Total		81,032	25,420	55,612	6	20	26	23	15	8	1

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: 33,999

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		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	13,114	976,031	19.9	21.3	7.0	7.1	19.5	20.6
Black/African American	621	114,263	16.2	16.4	6.4	6.3	16.3	16.3
American Indian/Alaska Native	548	6,408	15.0	16.8	6.3	6.2	15.3	16.5
White	4,445	520,054	24.4	23.1	7.5	7.3	23.3	22.1
Hispanic/Latino	5,568	167,575	16.7	18.5	6.7	6.9	16.9	18.4
Asian	600	61,663	23.2	23.7	7.5	7.7	22.4	22.9
Native Hawaiian/Other Pac. Isl.	46	3,742	18.8	17.7	7.0	6.6	18.8	17.6
Two or more races	437	39,565	23.1	21.4	7.4	7.1	22.3	20.7
Prefer not/No Response	849	62,761	18.8	21.6	6.7	7.1	18.4	20.9
Males	5,843	438,500	19.5	21.1	6.8	6.9	19.0	20.2
Females	7,086	530,240	20.3	21.6	7.2	7.3	20.1	21.1
Missing	185	7,291	12.6	16.0	5.9	5.9	13.1	15.7

