



Profile Report - State

Graduating Class 2015

Arizona



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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

22% 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: 35,248 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. 58% 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, 11% were college ready. 9% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 9% 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 21% of the cohort took less than three years of natural science courses. 19% of these students were college ready. In comparison, 38% 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 54% 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

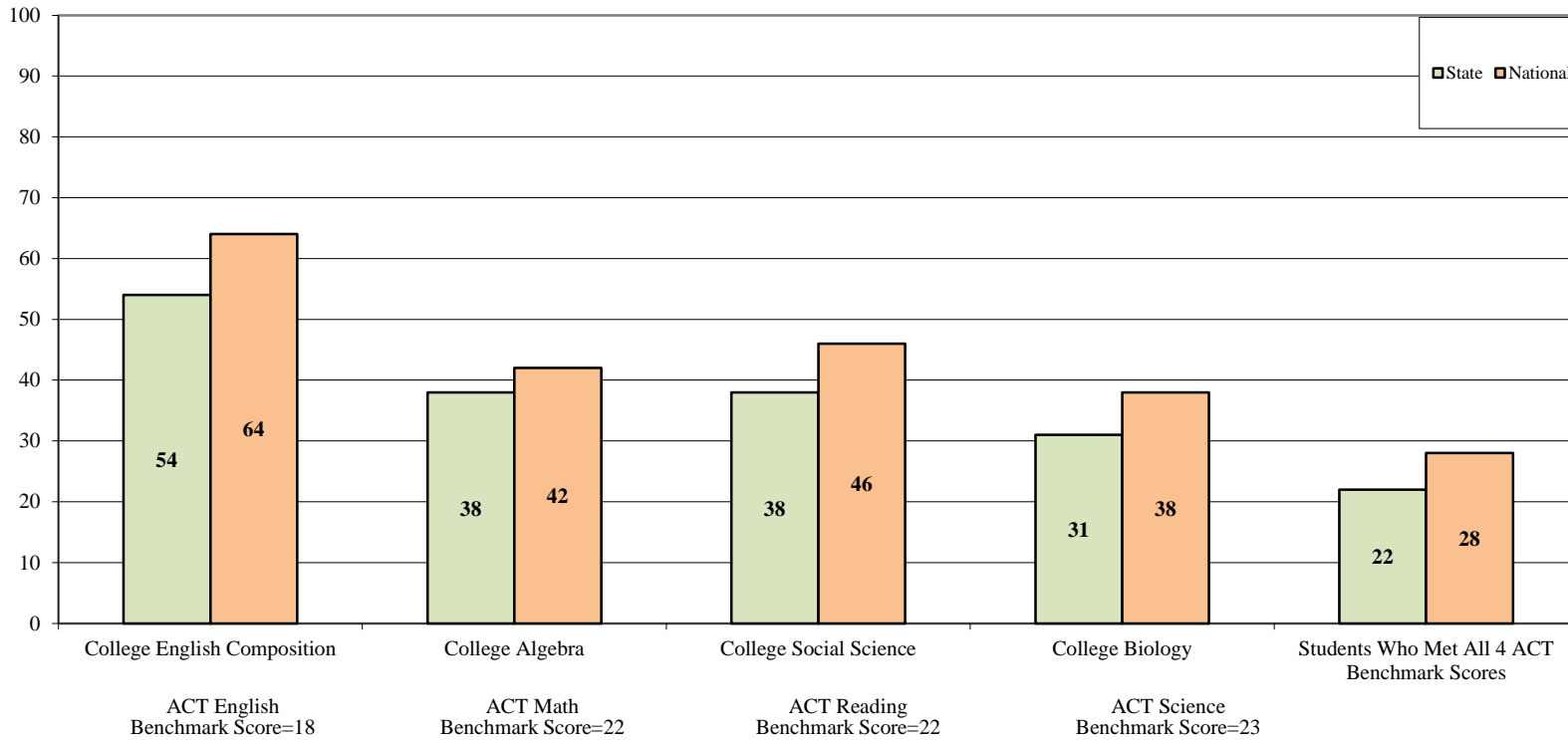
Executive Summary

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: 35,248

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
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
2015	35,248	1,924,436	54	64	38	42	38	46	31	38	22	28

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
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
2015	35,248	1,924,436	18.8	20.4	20.2	20.8	20.2	21.4	19.7	20.9	19.9	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
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: 35,248

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
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
2015	20,561	10,547	58	30	20.8	16.6	21.7	18.4	21.9	18.3	21.3	17.9	21.5	17.9

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.

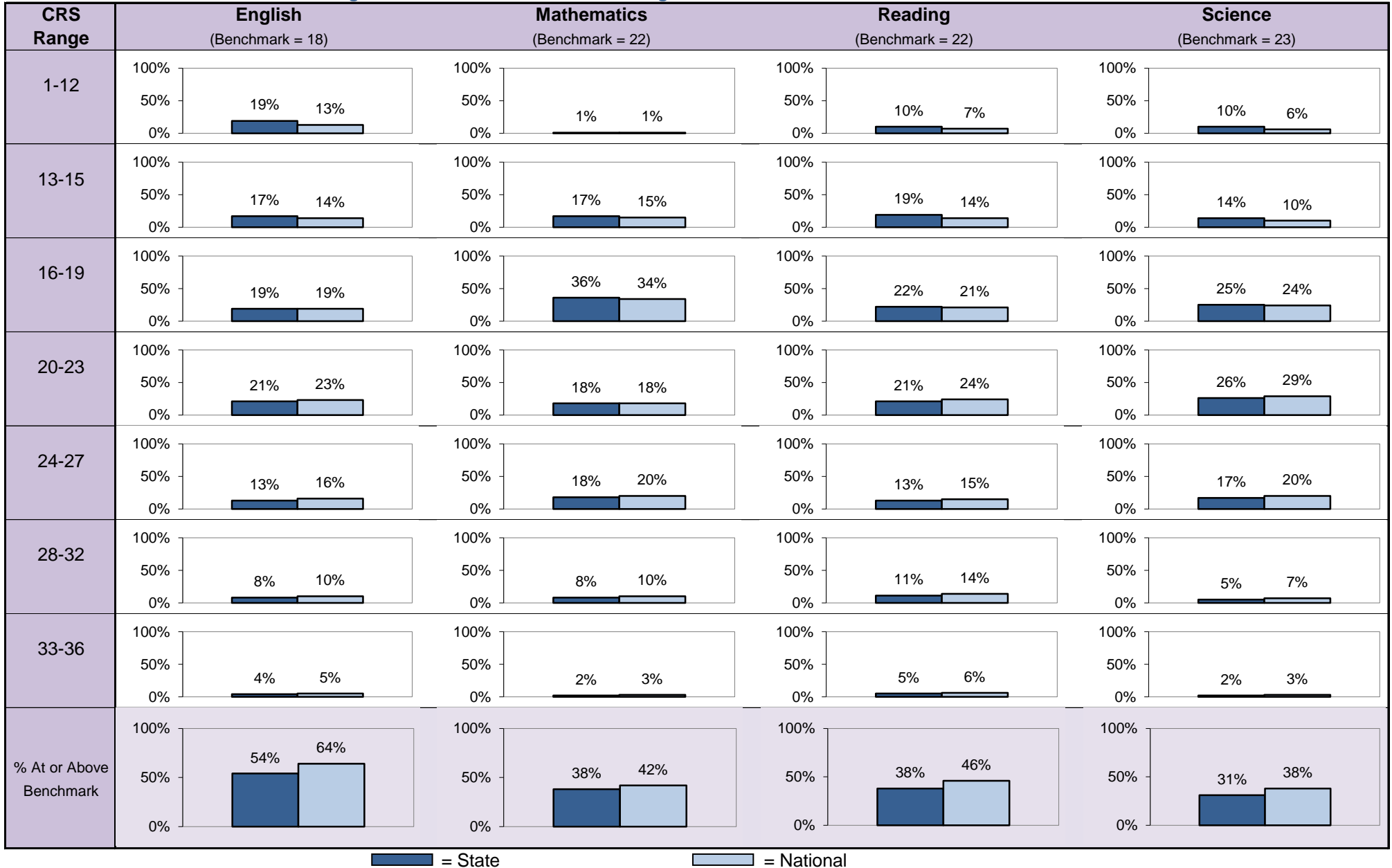
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	27,952	100	19.7	29,876	100	19.7	31,658	100	19.6	33,999	100	19.7	35,248	100	19.9
Black/African American	1,209	4	17.4	1,312	4	17.0	1,380	4	17.1	1,452	4	17.1	1,551	4	17.2
American Indian/Alaska Native	1,340	5	16.3	1,328	4	16.5	1,312	4	16.4	1,364	4	16.6	1,333	4	16.6
White	11,617	42	22.3	11,797	39	22.3	12,210	39	22.3	12,906	38	22.4	13,252	38	22.6
Hispanic/Latino	9,469	34	17.2	11,676	39	17.4	12,312	39	17.4	13,345	39	17.5	14,389	41	17.6
Asian	973	3	22.7	1,015	3	22.4	1,070	3	22.5	1,160	3	22.8	1,183	3	23.3
Native Hawaiian/Other Pacific Islander	21	0	19.5	108	0	17.8	139	0	18.9	137	0	18.7	124	0	19.1
Two or more races	1,171	4	20.1	994	3	21.2	1,099	3	20.9	1,243	4	21.1	1,351	4	21.4
Prefer not to respond/No response	2,152	8	18.5	1,646	6	19.1	2,136	7	18.2	2,392	7	19.0	2,065	6	19.2

Total Students in Report: 35,248

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



Total Students in Report: 35,248

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	34,763	99	18.9	20.3	20.2	19.8	19.9
	Extended Time	485	1	15.1	17.2	17.2	17.0	16.8
	Total	35,248	100	18.8	20.2	20.2	19.7	19.9
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	
State	Standard Time	55	38	39	31	22
	Extended Time	31	16	24	15	11
	Total	54	38	38	31	22
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: 35,248

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	72	100	80	100	196	100	126	100	21	100	36
35	373	100	147	100	258	99	205	100	117	100	35
34	482	99	292	99	471	99	266	99	192	100	34
33	419	97	213	99	703	97	261	98	301	99	33
32	492	96	311	98	715	95	362	98	407	98	32
31	472	95	291	97	717	93	252	97	465	97	31
30	540	93	469	96	870	91	308	96	632	96	30
29	530	92	582	95	759	89	420	95	733	94	29
28	680	90	1,192	93	853	87	575	94	895	92	28
27	721	88	1,306	90	1,080	84	735	92	986	89	27
26	990	86	1,738	86	998	81	1,422	90	1,271	87	26
25	1,434	84	1,426	81	1,017	78	1,553	86	1,451	83	25
24	1,343	80	1,955	77	1,318	75	2,112	82	1,636	79	24
23	1,649	76	1,712	72	1,896	72	2,364	76	1,762	74	23
22	1,620	71	1,598	67	1,658	66	1,821	69	2,034	69	22
21	1,939	66	1,137	62	2,090	62	2,280	64	1,974	63	21
20	2,088	61	1,731	59	1,748	56	2,726	57	2,155	58	20
19	1,781	55	1,904	54	2,215	51	2,941	50	2,186	52	19
18	1,533	50	2,096	49	1,776	45	2,103	41	2,202	45	18
17	1,508	46	3,912	43	2,234	39	1,893	35	2,389	39	17
16	1,744	41	4,754	32	1,650	33	2,029	30	2,357	32	16
15	2,527	36	3,802	18	2,525	28	1,833	24	2,500	26	15
14	2,079	29	1,586	7	1,697	21	1,505	19	2,403	19	14
13	1,507	23	621	3	2,323	16	1,532	15	2,092	12	13
12	1,376	19	214	1	1,831	10	1,832	10	1,244	6	12
11	1,436	15	129	1	683	5	725	5	532	2	11
10	1,635	11	33	1	457	3	466	3	187	1	10
9	922	6	2	1	231	1	301	2	80	1	9
8	719	4	6	1	134	1	152	1	27	1	8
7	312	2	0	1	27	1	79	1	11	1	7
6	167	1	8	1	75	1	39	1	6	1	6
5	88	1	0	1	1	1	3	1	0	1	5
4	44	1	1	1	28	1	16	1	0	1	4
3	13	1	0	1	10	1	11	1	0	1	3
2	10	1	0	1	1	1	0	1	0	1	2
1	3	1	0	1	3	1	0	1	0	1	1
Avg (SD)	18.8 (6.8)		20.2 (5.2)		20.2 (6.4)		19.7 (5.6)		19.9 (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: 35,248

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	1,016	100	376	100	748	100	1,186	100	1,043	100	229	100	227	100	18
17	1,493	97	477	99	1,416	98	1,469	97	1,051	97	233	99	88	99	17
16	933	93	1,391	98	1,746	94	1,917	92	1,698	94	574	99	992	99	16
15	1,437	90	1,679	94	1,668	89	1,698	87	1,699	89	1,762	97	1,740	96	15
14	1,094	86	1,952	89	1,578	84	2,127	82	1,908	84	2,863	92	2,108	91	14
13	1,641	83	2,182	83	2,763	80	1,970	76	2,629	79	3,417	84	2,711	85	13
12	1,967	78	2,535	77	2,735	72	2,942	71	2,720	72	2,766	74	2,727	78	12
11	2,788	73	3,496	70	2,609	64	2,283	62	3,085	64	3,879	66	4,005	70	11
10	3,427	65	3,574	60	4,713	57	2,471	56	2,567	55	6,089	55	3,900	59	10
9	2,848	55	3,419	50	3,041	43	3,512	49	2,626	48	4,166	38	5,705	48	9
8	3,035	47	4,291	40	3,854	35	2,410	39	3,781	40	3,424	26	3,755	31	8
7	2,943	38	2,040	28	3,226	24	2,536	32	5,276	30	2,543	17	2,679	21	7
6	3,062	30	2,716	22	3,171	15	4,061	25	2,763	15	1,571	9	2,096	13	6
5	3,232	21	2,356	15	1,121	6	2,044	13	1,602	7	1,050	5	1,521	7	5
4	2,000	12	1,758	8	217	2	1,991	7	498	2	74	2	141	3	4
3	1,591	7	759	3	383	2	420	2	220	1	464	2	640	2	3
2	526	2	218	1	90	1	180	1	73	1	18	1	15	1	2
1	215	1	29	1	169	1	31	1	9	1	126	1	198	1	1
Avg (SD)	9.2 (4.1)		9.6 (3.6)		10.4 (3.6)		10.1 (4.1)		10.2 (3.7)		10.3 (3.0)		10.0 (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)	23	24	24	23	24
Q2 (50th Percentile)	19	19	19	20	19
Q1 (25th Percentile)	14	16	15	16	15

Total Students in Report: 35,248

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	35,248	58	21.5	17.9
	Black/African American	1,551	55	18.4	15.9
	American Indian/Alaska Native	1,333	62	17.2	15.8
	White	13,252	68	23.7	20.6
	Hispanic/Latino	14,389	49	19.2	16.4
	Asian	1,183	72	24.5	20.6
	Native Hawaiian/Other Pac. Isl.	124	55	20.8	17.2
	Two or more races	1,351	63	22.8	19.5
	Prefer not/No Response	2,065	48	22.1	17.4
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
State	All Students	18.8	20.2	20.2	19.7	19.9
	Black/African American	15.9	17.7	17.5	17.2	17.2
	American Indian/Alaska Native	14.6	17.4	16.7	17.2	16.6
	White	22.2	22.4	23.1	22.2	22.6
	Hispanic/Latino	16.2	18.3	17.8	17.7	17.6
	Asian	22.1	24.6	22.8	22.9	23.3
	Native Hawaiian/Other Pac. Isl.	18.1	19.2	19.3	19.3	19.1
	Two or more races	20.7	21.3	21.9	21.2	21.4
	Prefer not/No Response	18.0	19.6	19.6	19.1	19.2
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: 35,248

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	1,346	4	732	2	1,628	5	858	2
	28 to 32	2,714	8	2,845	8	3,914	11	1,917	5
	24 to 27	4,488	13	6,425	18	4,413	13	5,822	17
	20 to 23	7,296	21	6,178	18	7,392	21	9,191	26
	16 to 19	6,566	19	12,666	36	7,875	22	8,966	25
	13 to 15	6,113	17	6,009	17	6,545	19	4,870	14
	01 to 12	6,725	19	393	1	3,481	10	3,624	10
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
State	Males	16,438	47	18.5	20.8	20.0	20.1	20.0
	Females	18,397	52	19.2	19.8	20.5	19.5	19.9
	Missing	413	1	13.4	16.5	15.6	15.4	15.3
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	
State	Males	53	42	37	35	25
	Females	57	34	40	28	21
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 35,248

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	20,561	67	20.8	49	21.7	49	21.9	41	21.3	31	21.5
	Less than Core	10,547	40	16.6	24	18.4	26	18.3	19	17.9	12	17.9
	Missing ³	4,140	29	14.8	16	17.4	17	16.8	12	16.6	7	16.5
National	Core or More	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	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
State	Core or More ²	29,019	60	19.7	29,892	42	20.8	27,375	44	21.2	23,823	38	20.8
	Less than Core	2,562	24	14.3	1,521	11	16.6	4,032	17	16.8	7,508	19	17.9
	Missing ³	3,667	30	15.0	3,835	17	17.5	3,841	18	16.9	3,917	12	16.7
National	Core or More	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	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

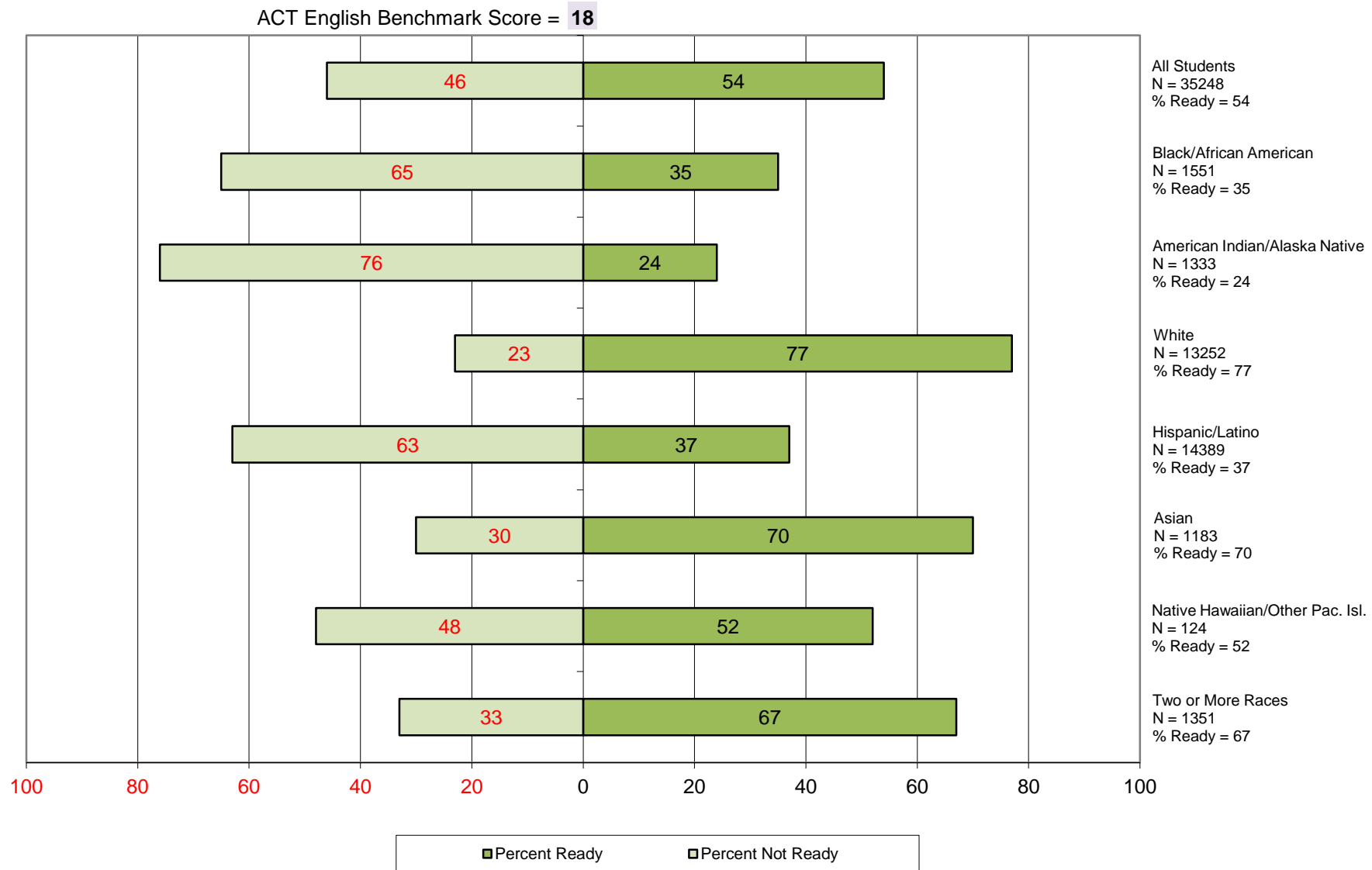


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

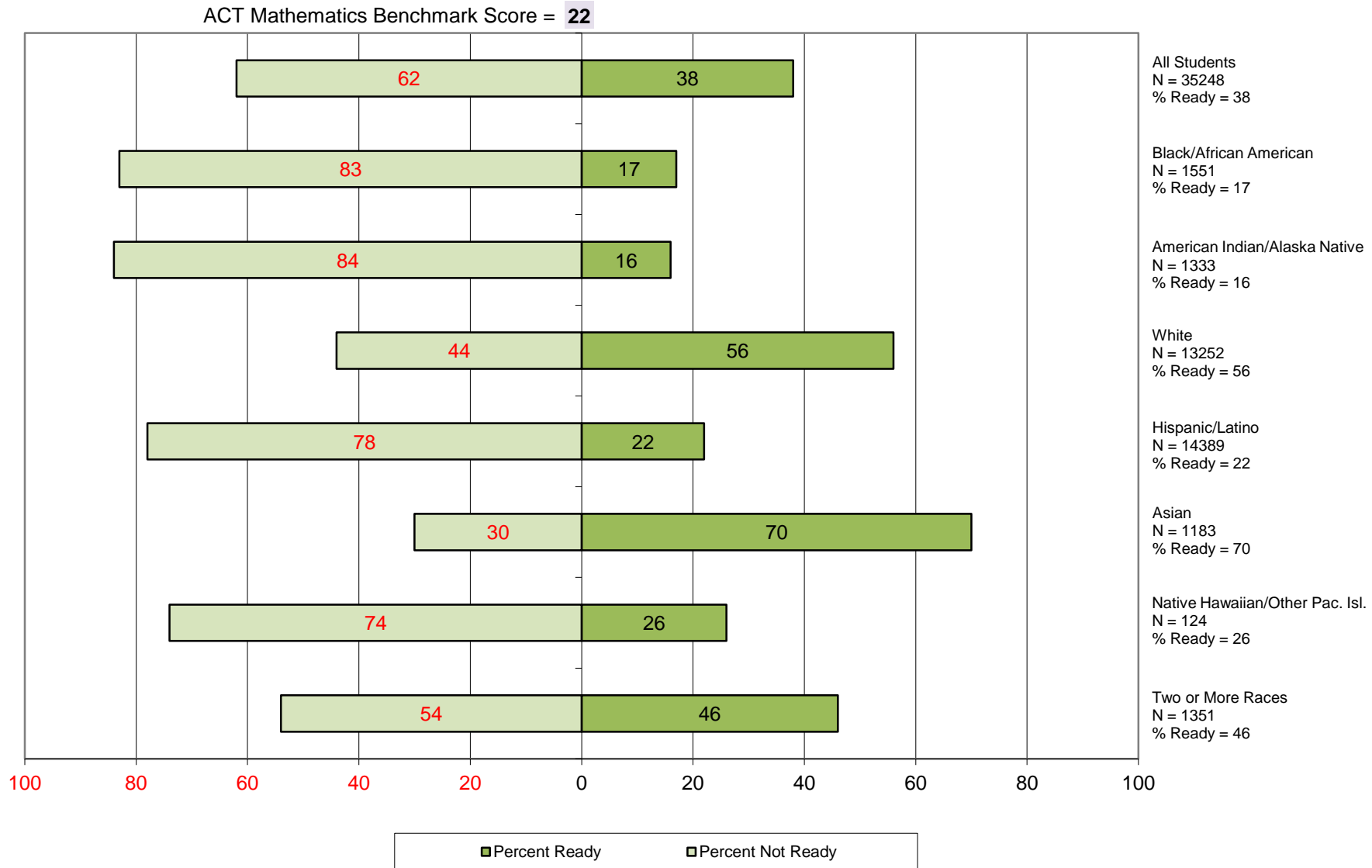


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

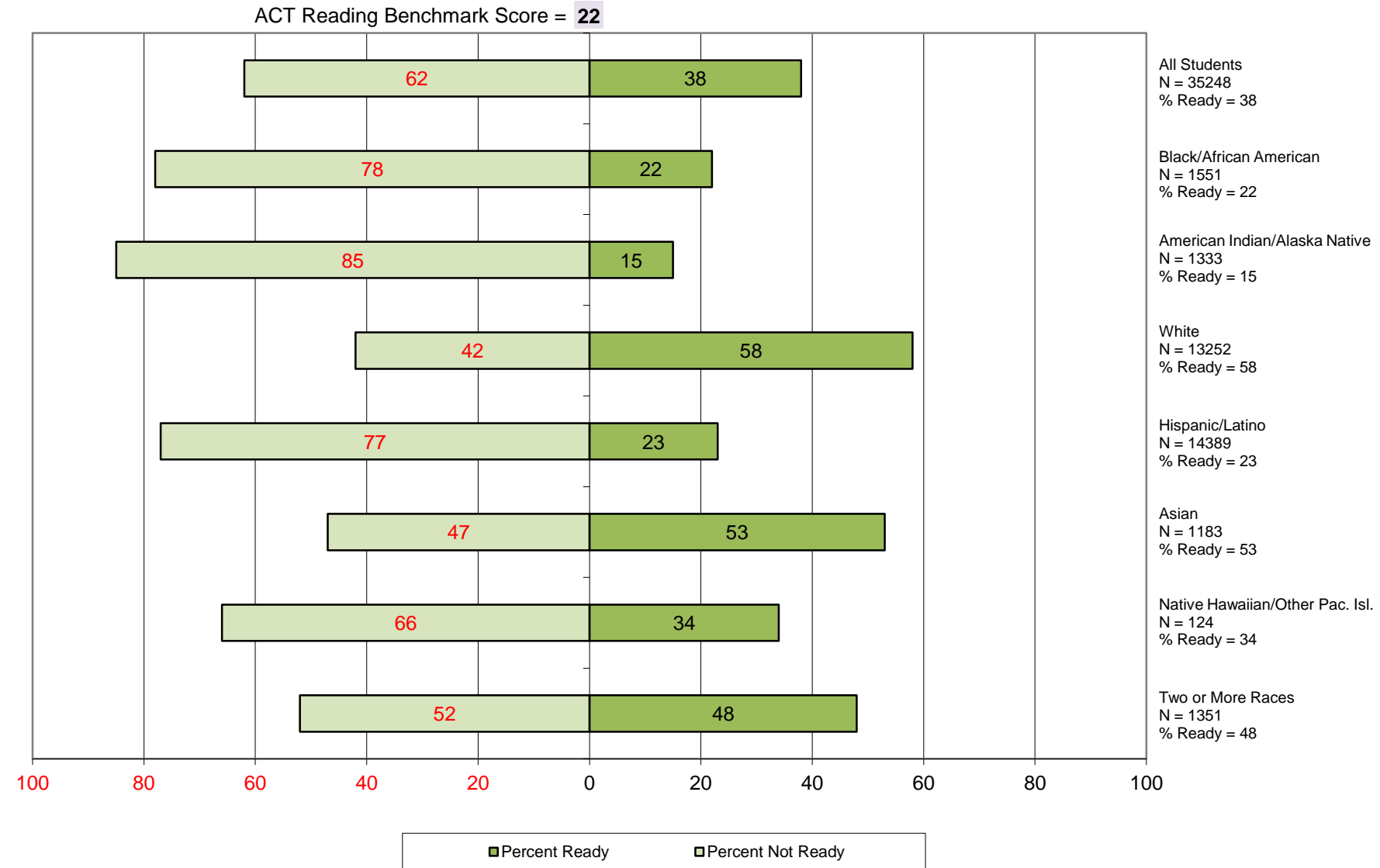


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

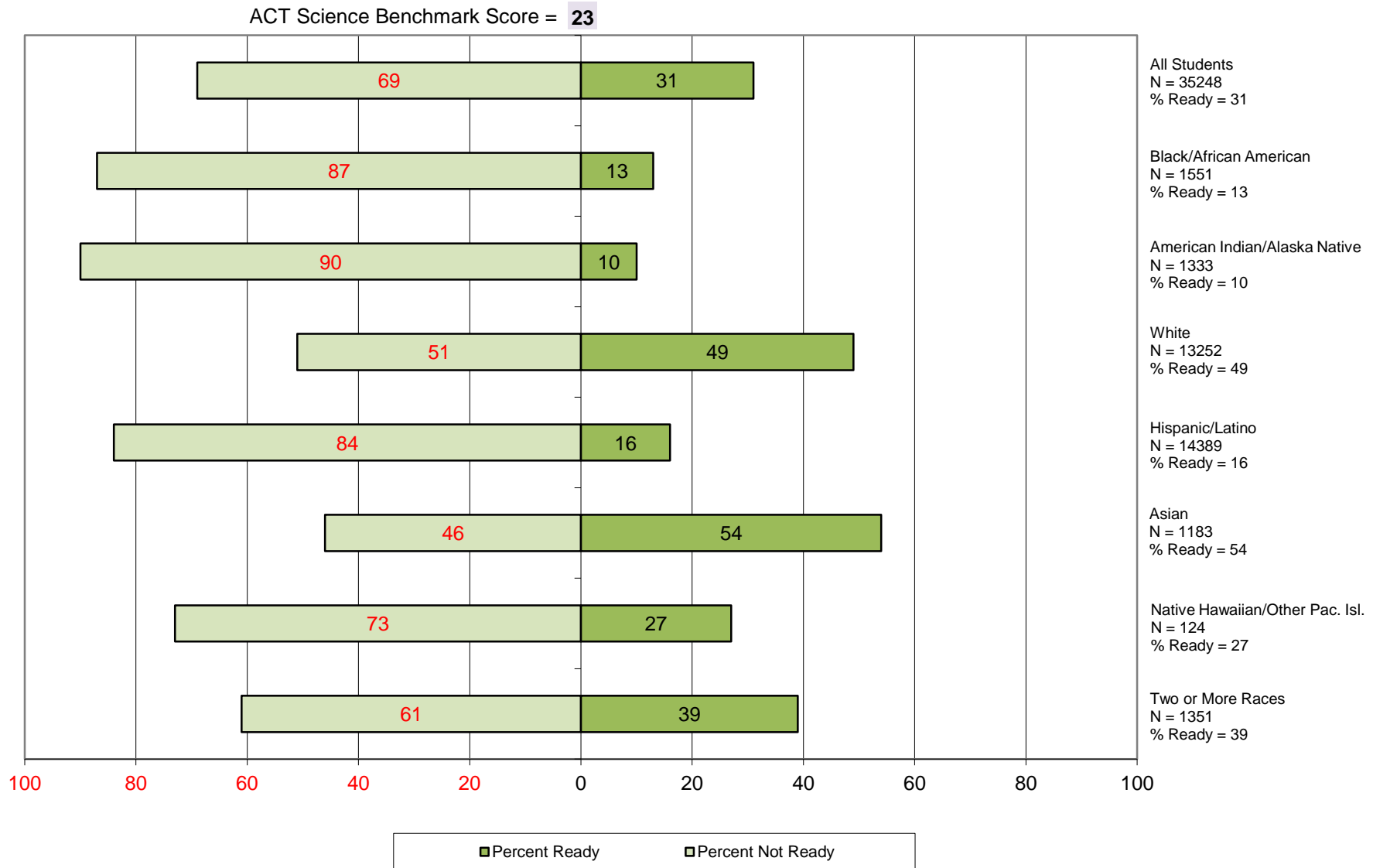
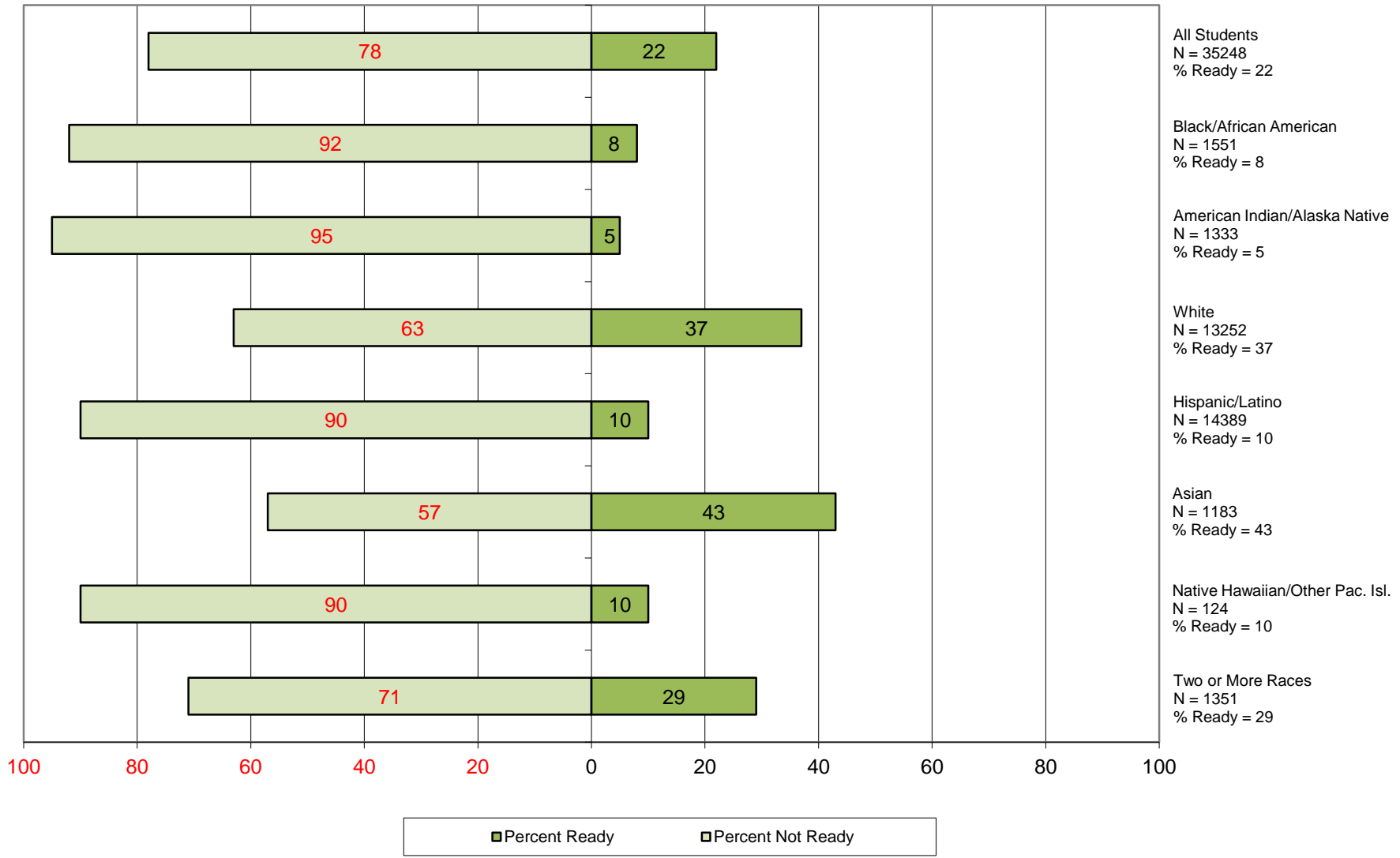


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 35,248

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	3,262	9	20.4	6.1	1,419	9	20.2	6.0	1,832	10	20.6	6.0
Eng 9, Eng 10, Eng 11, Eng 12	25,757	73	19.6	5.3	11,922	73	19.4	5.2	13,644	74	19.9	5.3
Less than 4 years of English	2,562	7	14.3	-	1,320	8	14.2	-	1,181	6	14.6	-
Zero years / no English courses reported	3,667	10	15.0	-	1,777	11	14.8	-	1,740	9	15.6	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,901	5	23.8	7.2	869	5	24.6	7.9	1,026	6	23.1	6.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,508	7	21.7	5.1	998	6	22.2	5.5	1,505	8	21.3	4.8
Alg 1, Alg 2, Geom, & Trig	2,422	7	19.3	2.7	1,058	6	19.8	3.1	1,337	7	18.9	2.4
Alg 1, Alg 2, Geom, & Other Adv Math	9,007	26	19.0	2.4	3,871	24	19.5	2.8	5,053	27	18.8	2.3
Other comb of 4 or more years of Math	9,161	26	23.4	6.8	4,642	28	24.1	7.4	4,481	24	22.6	6.1
Alg 1, Alg 2, & Geom	3,063	9	16.8	0.2	1,525	9	17.0	0.3	1,482	8	16.6	0.1
Other comb of 3 or 3.5 years of Math	1,830	5	20.3	3.7	848	5	20.9	4.2	968	5	19.9	3.4
Less than 3 years of Math	1,521	4	16.6	-	755	5	16.7	-	737	4	16.5	-
Zero years / no Math courses reported	3,835	11	17.5	-	1,872	11	17.7	-	1,808	10	17.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	361	1	20.1	3.3	170	1	19.8	3.1	184	1	20.6	3.5
Other comb of 4 or more years Social Science	12,152	34	22.2	5.4	5,269	32	22.2	5.5	6,832	37	22.3	5.2
US Hist, World Hist, & Am Gov	1,568	4	18.9	2.1	800	5	18.8	2.1	756	4	19.0	1.9
Other comb of 3 or 3.5 years of Social Science	13,294	38	20.5	3.7	6,116	37	20.5	3.8	7,091	39	20.5	3.4
Less than 3 years of Social Science	4,032	11	16.8	-	2,201	13	16.7	-	1,730	9	17.1	-
Zero years / no Social Science courses reported	3,841	11	16.9	-	1,882	11	16.6	-	1,804	10	17.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	7,753	22	21.4	3.5	4,037	25	22.0	4.2	3,678	20	20.8	2.8
Bio, Chem, Phys	5,016	14	23.6	5.7	2,545	15	24.2	6.4	2,450	13	23.0	5.0
Gen Sci ² , Bio, Chem	9,586	27	19.2	1.3	3,879	24	19.3	1.5	5,632	31	19.2	1.2
Other comb of 3 years of Natural Science	1,468	4	18.8	0.9	836	5	19.4	1.6	612	3	18.2	0.2
Less than 3 years of Natural Science	7,508	21	17.9	-	3,226	20	17.8	-	4,181	23	18.0	-
Zero years / no Natural Science courses reported	3,917	11	16.7	-	1,915	12	16.9	-	1,844	10	16.7	-

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

²Includes General, Physical and Earth Sciences.

Total Students in Report: 35,248

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	3,262	9	20.4	64	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	25,757	73	19.6	60	1,359,318	71	20.6	65
Less than 4 years of English	2,562	7	14.3	24	93,944	5	15.9	36
Zero years / no English courses reported	3,667	10	15.0	30	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,901	5	23.8	67	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,508	7	21.7	53	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	2,422	7	19.3	30	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	9,007	26	19.0	27	362,476	19	19.4	30
Other comb of 4 or more years of Math	9,161	26	23.4	63	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	3,063	9	16.8	9	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	1,830	5	20.3	38	95,502	5	19.8	34
Less than 3 years of Math	1,521	4	16.6	11	78,951	4	16.3	8
Zero years / no Math courses reported	3,835	11	17.5	17	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	361	1	20.1	36	48,944	3	22.3	51
Other comb of 4 or more years Social Science	12,152	34	22.2	52	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	1,568	4	18.9	29	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	13,294	38	20.5	40	527,956	27	21.4	46
Less than 3 years of Social Science	4,032	11	16.8	17	194,720	10	19.5	34
Zero years / no Social Science courses reported	3,841	11	16.9	18	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	7,753	22	21.4	43	807,744	42	22.2	48
Bio, Chem, Phys	5,016	14	23.6	59	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	9,586	27	19.2	25	512,754	27	20.1	30
Other comb of 3 years of Natural Science	1,468	4	18.8	24	54,439	3	19.1	24
Less than 3 years of Natural Science	7,508	21	17.9	19	227,926	12	18.1	18
Zero years / no Natural Science courses reported	3,917	11	16.7	12	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: 35,248

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	344	1	19.1	37	2	14.6	289	1	19.8
Architecture	373	1	19.4	26	1	14.2	327	1	19.9
Area, Ethnic, & Multidisciplinary Studies	37	0	22.7	0	0	.	33	0	23.2
Arts: Visual & Performing	2,343	7	19.3	279	12	15.5	1,860	7	20.1
Business	3,055	9	20.5	216	9	15.5	2,656	10	21.0
Communications	541	2	21.0	27	1	15.7	481	2	21.3
Community, Family, & Personal Services	1,227	3	16.8	245	10	15.0	884	3	17.4
Computer Science & Mathematics	891	3	22.6	55	2	16.1	796	3	23.0
Education	1,067	3	19.4	74	3	15.0	935	4	19.9
Engineering	2,961	8	23.0	124	5	14.7	2,671	10	23.4
Engineering Technology & Drafting	522	1	18.7	71	3	14.9	422	2	19.5
English & Foreign Languages	323	1	23.3	16	1	19.2	286	1	23.6
Health Administration & Assisting	1,255	4	17.3	140	6	14.3	1,005	4	17.8
Health Sciences & Technologies	6,131	17	20.2	278	12	15.8	5,581	21	20.4
Philosophy, Religion, & Theology	122	0	20.0	7	0	14.7	106	0	20.5
Repair, Production, & Construction	467	1	16.4	167	7	15.3	254	1	17.4
Sciences: Biological & Physical	1,801	5	23.8	18	1	16.3	1,700	7	23.8
Social Sciences & Law	2,603	7	20.5	104	4	15.5	2,360	9	20.8
Undecided	3,807	11	21.0	235	10	15.1	2,932	11	21.8
No Response	5,275	15	16.4	199	8	14.3	393	2	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: 35,248

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	685	14.9	28	14.1	49	14.1	143	16.7	391	14.2
2-yr College Degree	1,666	15.3	75	14.3	122	14.9	368	17.3	957	14.6
Bachelors Degree	13,817	19.6	625	16.9	535	16.3	5,839	21.9	5,302	17.6
Graduate Study	4,851	22.9	182	19.6	128	18.9	2,371	24.7	1,511	20.3
Prof. Level Degree	7,353	22.2	345	19.0	283	18.6	2,723	24.6	2,901	19.8
Other	722	16.8	27	16.1	34	14.1	216	19.1	340	15.1
No Response	6,154	17.4	269	15.3	182	15.0	1,592	20.7	2,987	15.9

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	685	14.9	19	16.3	2	15.5	10	18.4	43	14.6
2-yr College Degree	1,666	15.3	18	15.9	10	15.8	43	17.1	73	14.8
Bachelors Degree	13,817	19.6	369	20.5	50	18.3	551	20.6	546	19.3
Graduate Study	4,851	22.9	196	24.6	19	22.7	217	23.9	227	23.7
Prof. Level Degree	7,353	22.2	418	26.3	24	21.6	316	23.6	343	23.7
Other	722	16.8	20	22.0	2	15.5	25	18.0	58	17.6
No Response	6,154	17.4	143	21.8	17	16.5	189	19.1	775	16.6

Total Students in Report: 35,248

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	13,091	5,822	7,269	4	17	29	26	16	8	1
UNIVERSITY OF ARIZONA	Arizona	11,715	4,330	7,385	4	18	28	25	16	8	1
NORTHERN ARIZONA UNIVERSITY	Arizona	9,247	2,485	6,762	3	16	30	28	17	6	0
GRAND CANYON UNIVERSITY	Arizona	5,223	1,288	3,935	7	25	33	23	10	3	0
GLENDALE COMMUNITY COLLEGE	Arizona	2,270	710	1,560	9	32	36	16	6	2	0
PHOENIX COLLEGE	Arizona	1,419	358	1,061	15	45	29	10	2	0	0
ARIZONA WESTERN COLLEGE	Arizona	1,209	729	480	18	41	28	10	3	0	0
PIMA COMMUNITY COLLEGE	Arizona	1,200	330	870	11	32	33	18	5	1	0
SAN DIEGO STATE UNIVERSITY	California	1,109	155	954	3	16	30	29	16	6	0
GATEWAY COMMUNITY COLLEGE	Arizona	904	212	692	16	48	28	8	2	0	0
BRIGHAM YOUNG UNIVERSITY	Utah	883	501	382	1	2	11	25	32	24	6
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	871	144	727	3	17	25	24	18	12	1
CHANDLER-GILBERT COMMUNITY COLLEGE	Arizona	860	272	588	5	22	37	23	10	3	0
MESA COMMUNITY COLLEGE	Arizona	790	160	630	6	27	31	22	10	4	0
UNIVERSITY OF SOUTHERN CALIFORNIA	California	729	136	593	4	17	27	23	13	12	3
NCAA ELIGIBILITY CENTER	Indiana	710	295	415	2	15	31	30	15	8	1
ART INSTITUTE OF PHOENIX THE	Arizona	671	187	484	10	36	29	19	5	1	0
STATE-NO COLLEGE PLANS	Iowa	668	668	0	21	43	22	10	3	1	0
STANFORD UNIVERSITY	California	630	169	461	1	5	12	25	19	26	11
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	535	125	410	0	3	15	29	30	21	2
UNIVERSITY OF WASHINGTON	Washington	436	97	339	3	8	18	28	23	17	3
SOUTH MOUNTAIN COMMUNITY COLLEGE	Arizona	424	94	330	15	53	25	7	1	0	0
UNIVERSITY OF CALIFORNIA-BERKELEY	California	416	64	352	1	5	17	20	24	23	10
COCONINO COMMUNITY COLLEGE	Arizona	407	146	261	7	32	35	21	4	1	0
ARIZONA CHRISTIAN UNIVERSITY	Arizona	401	109	292	10	29	30	22	6	3	0
UNIVERSITY OF SAN DIEGO	California	395	77	318	4	13	27	26	19	11	0
UNIVERSITY OF OREGON	Oregon	358	53	305	4	15	28	24	20	8	0
NEW YORK UNIVERSITY	New York	331	65	266	3	12	19	23	23	16	3
ESTRELLA MOUNTAIN COMMUNITY COLLEGE	Arizona	330	84	246	6	38	35	17	3	1	0
SCOTTSDALE COMMUNITY COLLEGE	Arizona	315	54	261	6	31	35	18	7	3	0
All Other Institutions		24,458	5,150	19,308	5	18	24	23	17	11	2
Total		83,005	25,069	57,936	5	20	27	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: 35,248

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	13,774	1,108,908	19.8	21.0	6.8	6.9	19.2	20.2
Black/African American	683	136,380	16.3	16.3	6.1	6.0	16.1	15.9
American Indian/Alaska Native	613	7,142	14.9	16.5	5.9	5.9	14.8	16.0
White	4,368	567,060	24.7	22.8	7.4	7.1	23.5	21.8
Hispanic/Latino	6,179	196,970	16.5	18.4	6.3	6.7	16.4	18.1
Asian	596	68,736	24.4	23.9	7.6	7.6	23.4	23.0
Native Hawaiian/Other Pac. Isl.	45	4,070	19.4	18.0	6.7	6.5	18.8	17.6
Two or more races	491	45,517	22.9	21.3	7.2	6.9	21.9	20.4
Prefer not/No Response	799	83,033	20.0	20.8	6.6	6.7	19.2	19.9
Males	6,101	507,737	19.5	20.7	6.5	6.6	18.8	19.7
Females	7,549	590,537	20.2	21.4	7.0	7.1	19.7	20.8
Missing	124	10,634	10.7	16.0	5.0	5.6	10.9	15.4

