



Profile Report - State

Graduating Class 2015

Virginia



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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

41% 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: 25,038 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. 91% 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 2% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 7% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 10% of these students were college ready. In comparison, 63% 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 5% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 54% 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 34% 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

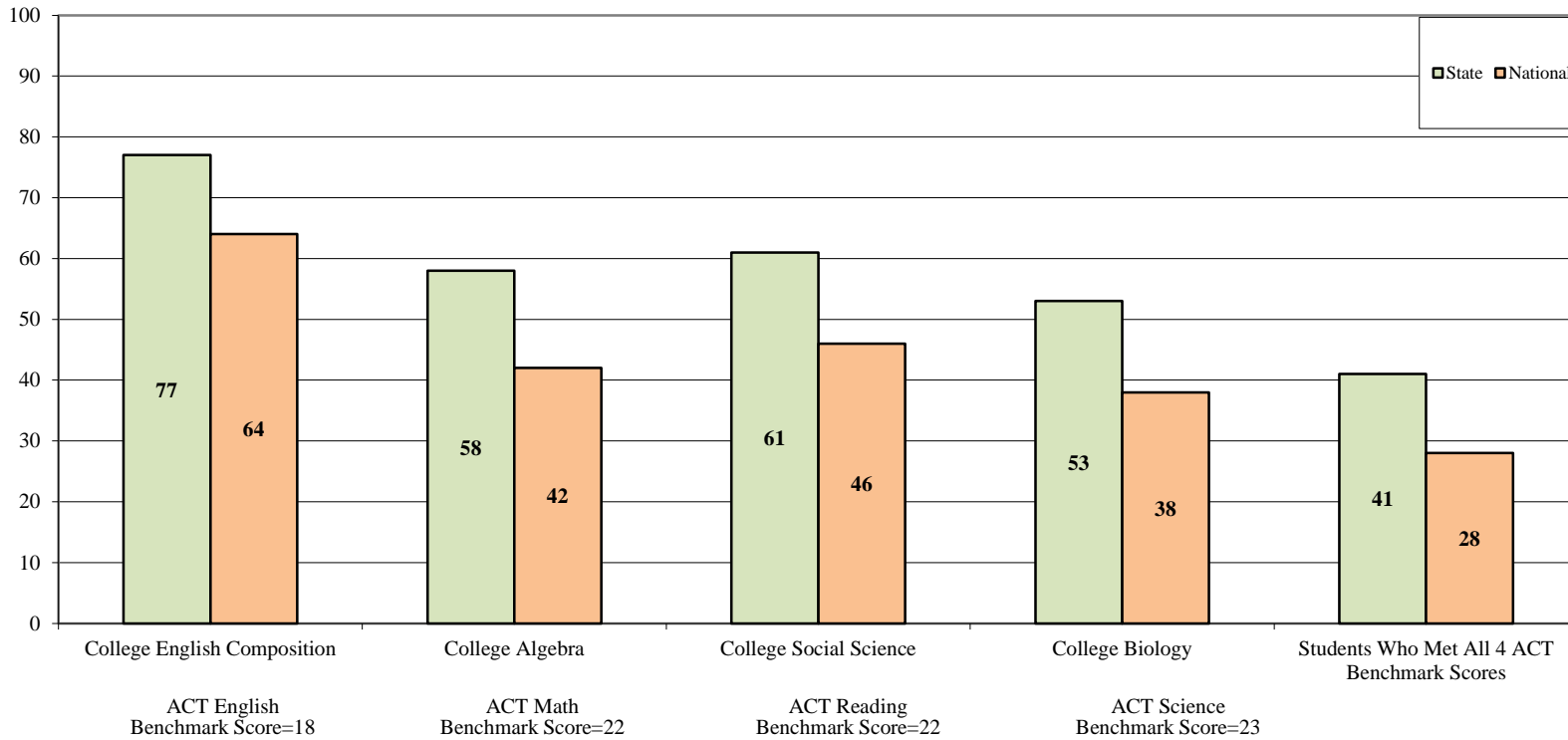
Executive Summary

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.

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	20,526	1,623,112	76	66	55	45	61	52	36	30	32	25
2012	21,647	1,666,017	76	67	56	46	63	52	38	31	33	25
2013	22,165	1,799,243	76	64	57	44	57	44	47	36	37	26
2014	22,977	1,845,787	76	64	57	43	58	44	49	37	38	26
2015	25,038	1,924,436	77	64	58	42	61	46	53	38	41	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	20,526	1,623,112	22.1	20.6	22.2	21.1	22.7	21.3	21.8	20.9	22.3	21.1
2012	21,647	1,666,017	22.1	20.5	22.3	21.1	22.7	21.3	21.9	20.9	22.4	21.1
2013	22,165	1,799,243	22.3	20.2	22.5	20.9	23.1	21.1	22.2	20.7	22.6	20.9
2014	22,977	1,845,787	22.4	20.3	22.7	20.9	23.4	21.3	22.4	20.8	22.8	21.0
2015	25,038	1,924,436	22.8	20.4	22.8	20.8	23.6	21.4	22.8	20.9	23.1	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

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	18,170	1,915	89	9	22.6	18.4	22.6	19.1	23.1	19.5	22.2	19.0	22.7	19.1
2012	19,276	2,029	89	9	22.5	18.3	22.7	19.1	23.1	19.5	22.3	18.7	22.8	19.0
2013	19,823	1,986	89	9	22.7	18.3	22.8	19.3	23.5	19.7	22.5	19.1	23.0	19.2
2014	20,801	1,900	91	8	22.7	18.8	23.0	19.6	23.7	20.2	22.7	19.4	23.1	19.6
2015	22,784	1,993	91	8	23.2	18.7	23.1	19.4	24.0	20.0	23.1	19.6	23.5	19.5

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.

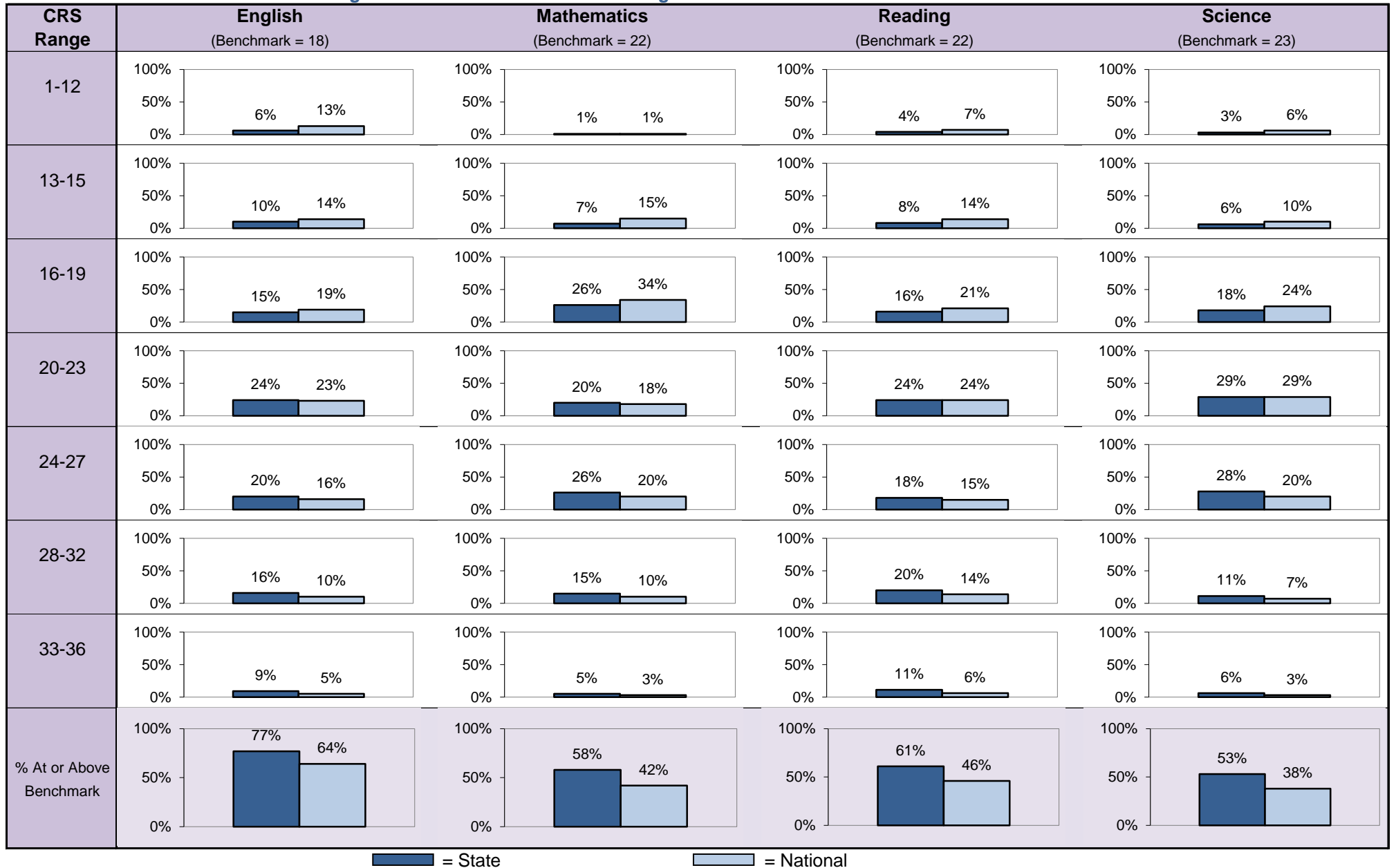
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	20,526	100	22.3	21,647	100	22.4	22,165	100	22.6	22,977	100	22.8	25,038	100	23.1
Black/African American	4,046	20	17.7	4,202	19	17.7	3,916	18	17.8	3,969	17	17.9	4,011	16	18.3
American Indian/Alaska Native	62	0	22.0	65	0	20.6	73	0	21.4	66	0	20.6	75	0	21.2
White	12,224	60	23.7	12,534	58	23.7	12,913	58	23.9	13,202	57	24.0	14,379	57	24.2
Hispanic/Latino	1,132	6	21.4	1,353	6	21.7	1,528	7	21.8	1,652	7	21.9	1,937	8	22.1
Asian	1,191	6	24.4	1,234	6	24.5	1,333	6	25.1	1,515	7	25.0	1,847	7	25.7
Native Hawaiian/Other Pacific Islander	31	0	23.0	60	0	23.1	47	0	22.1	47	0	22.9	59	0	23.0
Two or more races	758	4	22.2	932	4	22.5	949	4	22.4	1,107	5	22.8	1,186	5	23.3
Prefer not to respond/No response	1,082	5	23.4	1,267	6	23.5	1,406	6	23.6	1,419	6	24.0	1,544	6	24.2

Total Students in Report: 25,038

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



Total Students in Report: 25,038

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	24,467	98	22.8	22.8	23.6	22.8	23.1
	Extended Time	571	2	23.0	22.6	24.7	23.2	23.5
	Total	25,038	100	22.8	22.8	23.6	22.8	23.1
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	77	58	61	53	41
	Extended Time	78	52	65	53	42
	Total	77	58	61	53	41
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: 25,038

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	147	100	178	100	318	100	273	100	32	100	36
35	572	99	275	99	438	99	343	99	208	100	35
34	798	97	413	98	853	97	461	98	372	99	34
33	672	94	368	97	1,138	94	387	96	499	98	33
32	811	91	451	95	953	89	583	94	670	96	32
31	821	88	443	93	988	85	292	92	774	93	31
30	662	85	658	92	1,158	81	561	91	945	90	30
29	726	82	779	89	884	77	535	88	1,067	86	29
28	1,044	79	1,447	86	935	73	774	86	1,159	82	28
27	854	75	1,532	80	1,000	69	1,035	83	1,323	77	27
26	1,279	72	1,946	74	1,043	65	1,500	79	1,497	72	26
25	1,618	67	1,421	66	1,047	61	2,170	73	1,555	66	25
24	1,381	60	1,689	60	1,413	57	2,206	64	1,706	60	24
23	1,645	55	1,592	54	1,469	51	2,049	56	1,699	53	23
22	1,405	48	1,273	47	1,596	46	1,527	47	1,681	46	22
21	1,598	42	1,014	42	1,473	39	2,042	41	1,545	39	21
20	1,445	36	1,217	38	1,355	33	1,603	33	1,468	33	20
19	936	30	1,339	33	1,236	28	1,507	27	1,399	27	19
18	967	26	1,464	28	1,169	23	1,238	21	1,244	22	18
17	819	23	1,974	22	813	18	863	16	1,086	17	17
16	955	19	1,775	14	812	15	912	12	973	12	16
15	1,281	16	980	7	822	12	681	9	774	9	15
14	669	10	470	3	593	8	449	6	600	5	14
13	458	8	182	1	537	6	402	4	384	3	13
12	393	6	77	1	488	4	232	3	197	2	12
11	389	4	37	1	194	2	189	2	98	1	11
10	316	3	23	1	175	1	95	1	51	1	10
9	212	2	2	1	29	1	58	1	17	1	9
8	95	1	9	1	49	1	33	1	9	1	8
7	36	1	1	1	21	1	12	1	4	1	7
6	22	1	3	1	23	1	9	1	0	1	6
5	8	1	0	1	3	1	12	1	1	1	5
4	4	1	4	1	10	1	0	1	1	1	4
3	0	1	0	1	0	1	3	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	2	1	2	1	2	1	0	1	1
Avg (SD)	22.8 (6.5)		22.8 (5.4)		23.6 (6.5)		22.8 (5.4)		23.1 (5.4)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 25,038

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	1,708	100	679	100	1,338	100	1,870	100	1,538	100	358	100	380	100	18
17	2,285	93	671	97	2,041	95	2,069	93	1,434	94	461	99	171	98	17
16	1,356	84	2,283	95	2,050	87	2,233	84	2,272	88	893	97	1,551	98	16
15	2,011	79	2,215	85	2,001	78	2,606	75	1,807	79	2,120	93	2,014	92	15
14	1,339	71	2,099	77	1,544	70	2,131	65	2,030	72	3,277	85	2,656	84	14
13	1,797	65	2,445	68	2,361	64	1,944	56	2,682	64	2,895	72	2,668	73	13
12	1,944	58	2,644	58	2,481	55	1,977	49	2,807	53	2,428	60	2,859	62	12
11	2,730	50	2,813	48	2,208	45	1,829	41	1,674	42	3,234	50	2,586	51	11
10	2,282	39	2,054	37	2,519	36	1,622	33	2,235	35	3,231	37	3,088	41	10
9	1,733	30	2,309	28	1,642	26	1,663	27	1,768	26	2,734	25	2,721	28	9
8	1,709	23	1,877	19	2,020	19	1,220	20	1,802	19	1,628	14	1,751	17	8
7	1,445	17	924	12	1,275	11	1,300	15	1,955	12	914	7	964	10	7
6	1,161	11	799	8	669	6	1,295	10	652	4	168	3	745	7	6
5	727	6	618	5	449	4	736	5	222	2	374	3	372	4	5
4	514	3	394	2	204	2	355	2	105	1	79	1	199	2	4
3	213	1	168	1	57	1	127	1	35	1	169	1	180	1	3
2	77	1	41	1	115	1	53	1	16	1	0	1	8	1	2
1	7	1	5	1	64	1	8	1	4	1	75	1	125	1	1
Avg (SD)	11.7 (3.9)		11.6 (3.4)		12.0 (3.6)		12.2 (3.9)		12.1 (3.5)		11.5 (2.9)		11.3 (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)	27	27	29	26	27
Q2 (50th Percentile)	23	23	23	23	23
Q1 (25th Percentile)	18	18	19	19	19

Total Students in Report: 25,038

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	25,038	91	23.5	19.5
	Black/African American	4,011	84	18.8	15.7
	American Indian/Alaska Native	75	95	21.5	16.5
	White	14,379	93	24.4	21.5
	Hispanic/Latino	1,937	93	22.3	19.3
	Asian	1,847	93	25.8	23.9
	Native Hawaiian/Other Pac. Isl.	59	86	23.5	18.0
	Two or more races	1,186	92	23.6	19.8
	Prefer not/No Response	1,544	83	24.8	20.5
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	22.8	22.8	23.6	22.8	23.1
	Black/African American	17.3	18.3	18.6	18.4	18.3
	American Indian/Alaska Native	20.6	20.7	22.1	21.1	21.2
	White	24.1	23.6	24.8	23.7	24.2
	Hispanic/Latino	21.4	21.8	22.7	21.9	22.1
	Asian	25.1	26.8	25.2	25.2	25.7
	Native Hawaiian/Other Pac. Isl.	22.3	22.9	22.9	23.3	23.0
	Two or more races	23.1	22.8	24.0	23.1	23.3
	Prefer not/No Response	24.2	23.8	24.8	23.7	24.2
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: 25,038

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	2,189	9	1,234	5	2,747	11	1,464	6
	28 to 32	4,064	16	3,778	15	4,918	20	2,745	11
	24 to 27	5,132	20	6,588	26	4,503	18	6,911	28
	20 to 23	6,093	24	5,096	20	5,893	24	7,221	29
	16 to 19	3,677	15	6,552	26	4,030	16	4,520	18
	13 to 15	2,408	10	1,632	7	1,952	8	1,532	6
	01 to 12	1,475	6	158	1	995	4	645	3
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	11,192	45	22.4	23.6	23.5	23.4	23.3
	Females	13,844	55	23.1	22.2	23.7	22.3	23.0
	Missing	2	0	19.0	16.5	18.5	18.0	18.5
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	76	63	60	56	44
	Females	79	54	61	50	39
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 25,038

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	22,784	80	23.2	60	23.1	63	24.0	55	23.1	43	23.5
	Less than Core	1,993	50	18.7	31	19.4	37	20.0	28	19.6	20	19.5
	Missing ³	261	69	21.6	44	21.2	55	22.9	46	21.9	34	22.0
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	24,479	78	22.9	24,278	59	22.9	24,208	61	23.7	23,628	54	23.0
	Less than Core	311	60	20.0	507	7	16.1	583	53	22.8	1,158	17	18.1
	Missing ³	248	70	21.8	253	44	21.2	247	55	23.1	252	47	22.1
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

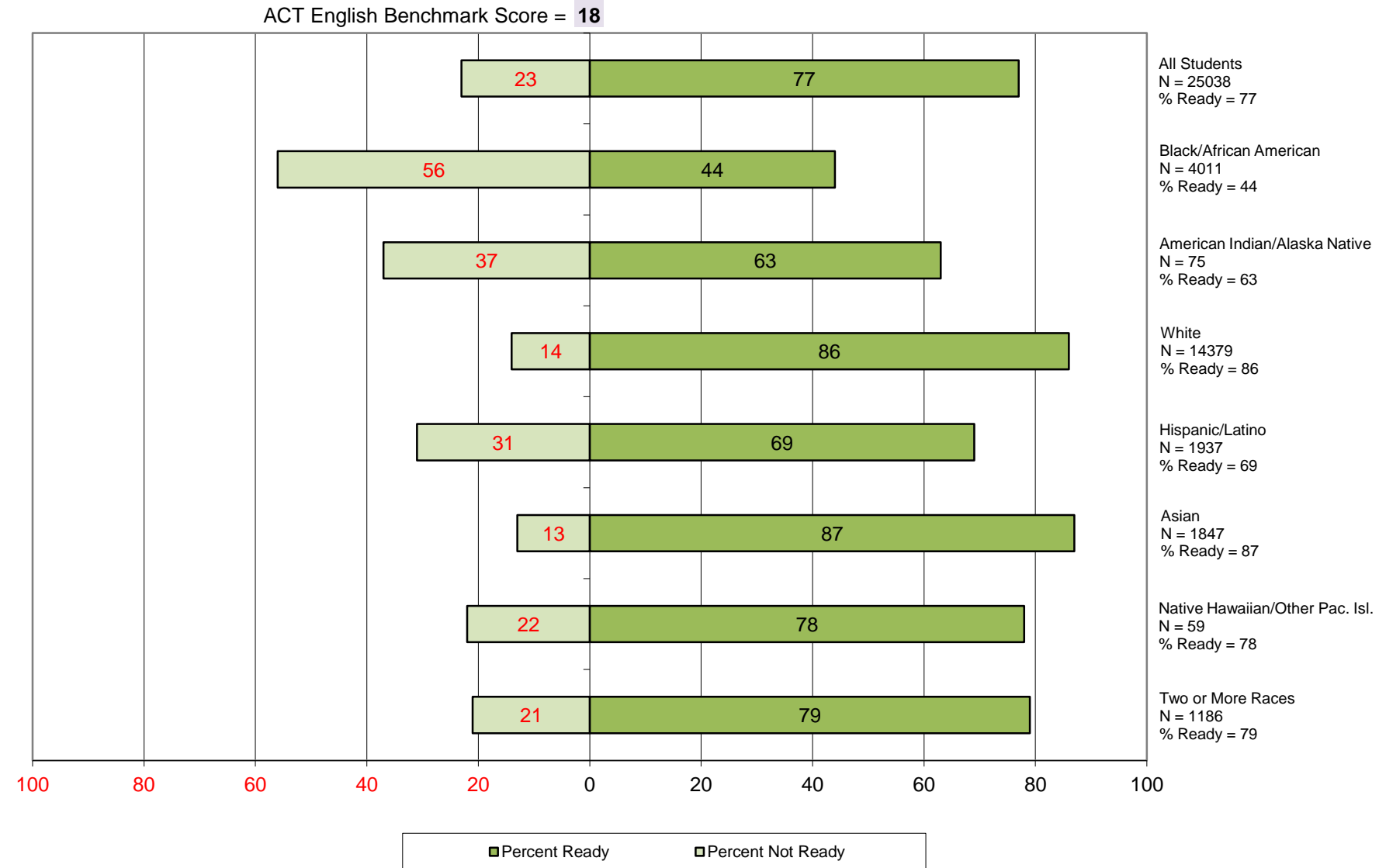


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

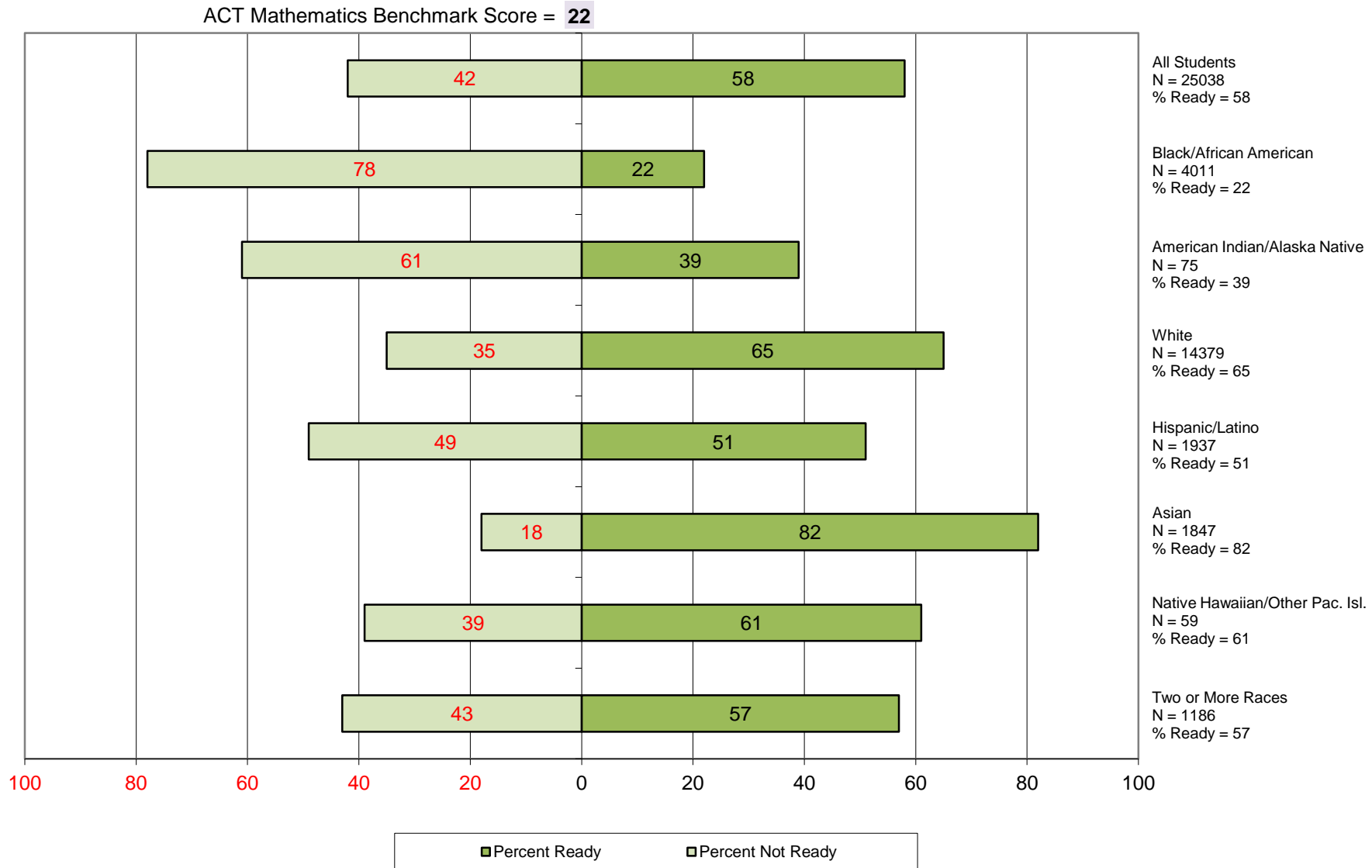


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

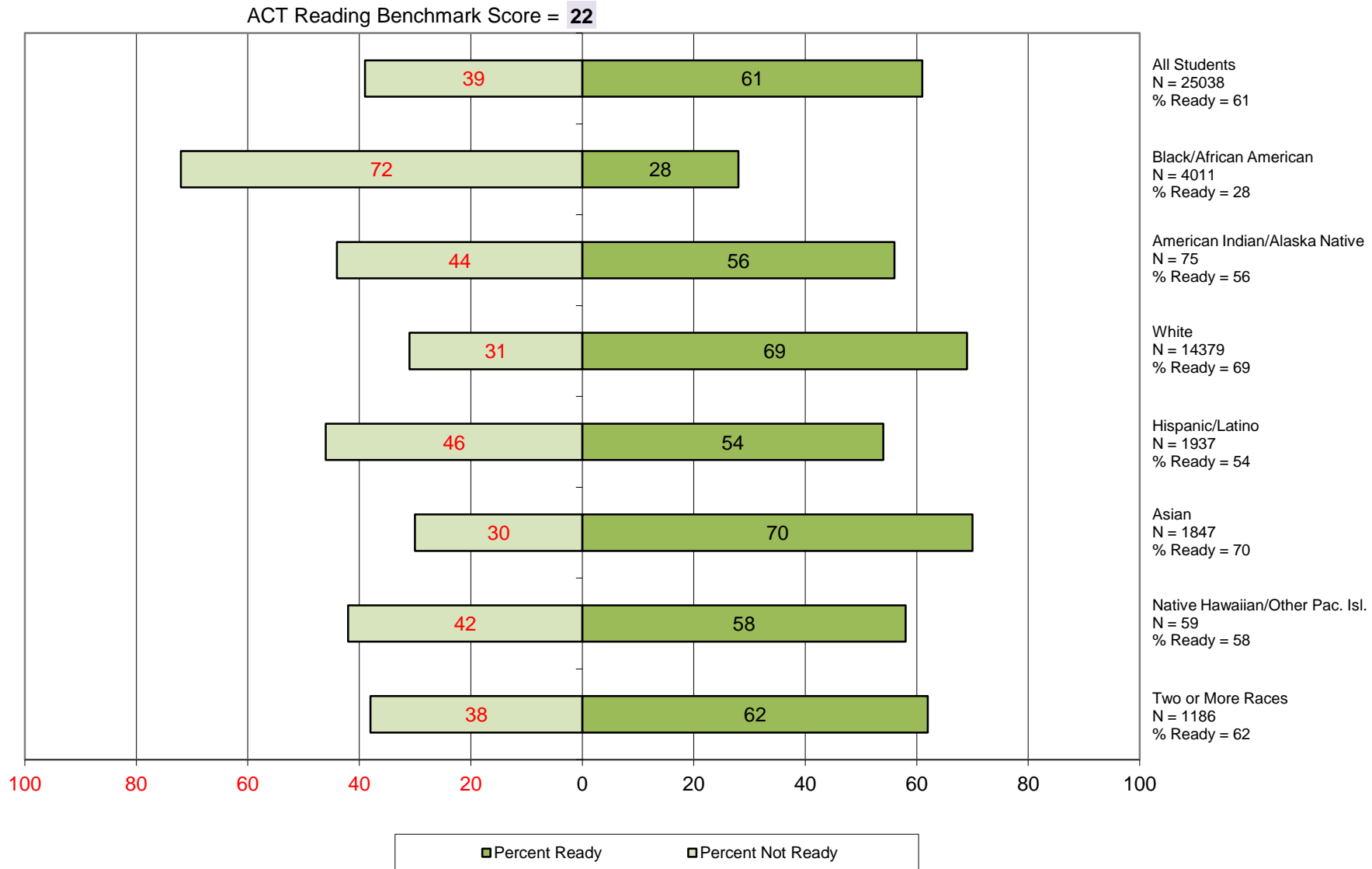


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

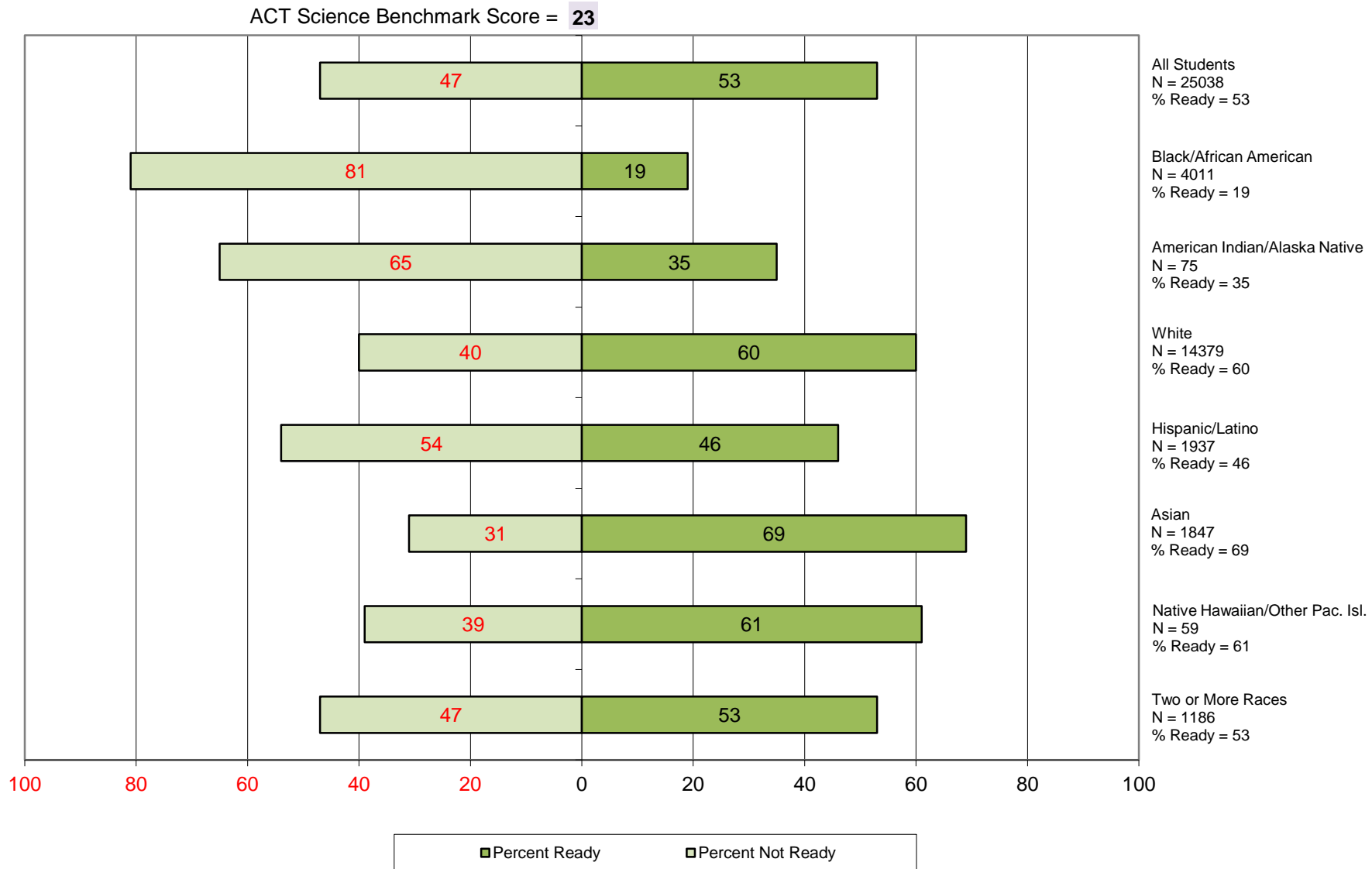
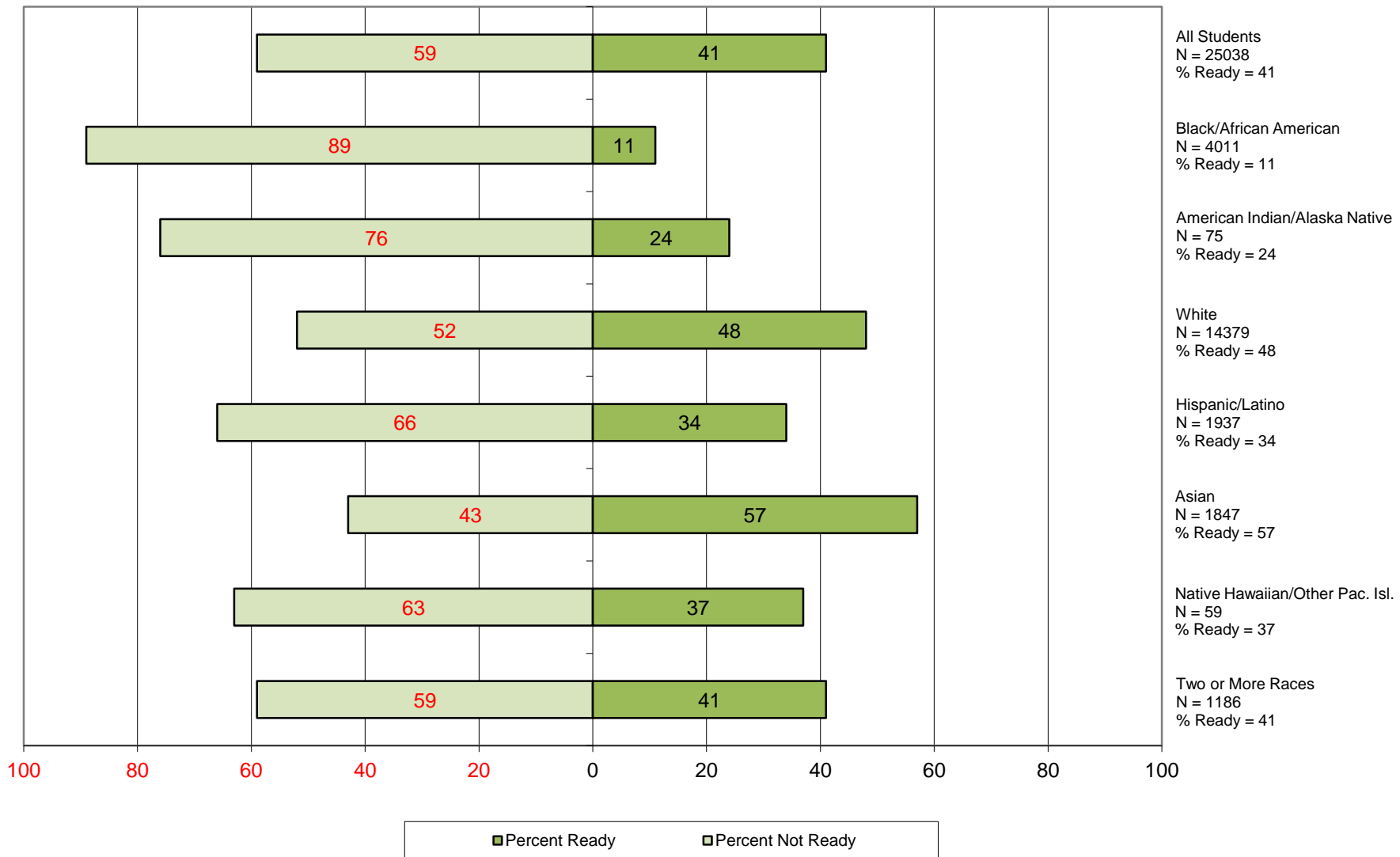


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 25,038

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	4,481	18	23.4	3.4	1,891	17	23.0	3.6	2,590	19	23.7	3.0
Eng 9, Eng 10, Eng 11, Eng 12	19,998	80	22.7	2.7	9,009	80	22.4	3.0	10,987	79	23.1	2.4
Less than 4 years of English	311	1	20.0	-	147	1	19.4	-	164	1	20.7	-
Zero years / no English courses reported	248	1	21.8	-	145	1	21.0	-	103	1	23.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,477	10	24.9	8.8	1,009	9	25.4	9.2	1,468	11	24.5	8.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,125	12	21.9	5.8	1,122	10	22.4	6.2	2,003	14	21.6	5.6
Alg 1, Alg 2, Geom, & Trig	1,633	7	19.5	3.4	697	6	19.9	3.7	936	7	19.2	3.2
Alg 1, Alg 2, Geom, & Other Adv Math	3,112	12	19.5	3.4	1,131	10	19.9	3.7	1,981	14	19.3	3.3
Other comb of 4 or more years of Math	11,480	46	25.2	9.1	5,725	51	26.0	9.8	5,755	42	24.5	8.5
Alg 1, Alg 2, & Geom	1,663	7	17.1	1.0	728	7	17.4	1.2	935	7	16.9	0.9
Other comb of 3 or 3.5 years of Math	788	3	20.5	4.4	389	3	20.6	4.4	398	3	20.4	4.4
Less than 3 years of Math	507	2	16.1	-	244	2	16.2	-	262	2	16.0	-
Zero years / no Math courses reported	253	1	21.2	-	147	1	21.1	-	106	1	21.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,073	4	23.4	0.6	528	5	22.7	0.4	545	4	24.0	0.7
Other comb of 4 or more years Social Science	15,999	64	24.0	1.2	6,903	62	24.0	1.7	9,095	66	24.0	0.7
US Hist, World Hist, & Am Gov	1,304	5	21.1	-1.7	626	6	21.1	-1.2	678	5	21.2	-2.1
Other comb of 3 or 3.5 years of Social Science	5,832	23	23.3	0.5	2,709	24	23.2	0.9	3,122	23	23.5	0.2
Less than 3 years of Social Science	583	2	22.8	-	281	3	22.3	-	302	2	23.3	-
Zero years / no Social Science courses reported	247	1	23.1	-	145	1	21.8	-	102	1	25.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	13,747	55	23.8	5.7	6,677	60	24.3	6.6	7,070	51	23.4	5.0
Bio, Chem, Phys	2,683	11	25.7	7.6	1,216	11	26.6	8.9	1,467	11	25.0	6.6
Gen Sci ² , Bio, Chem	6,793	27	20.5	2.4	2,395	21	20.6	2.9	4,397	32	20.5	2.1
Other comb of 3 years of Natural Science	405	2	19.5	1.4	238	2	20.1	2.4	167	1	18.7	0.3
Less than 3 years of Natural Science	1,158	5	18.1	-	519	5	17.7	-	638	5	18.4	-
Zero years / no Natural Science courses reported	252	1	22.1	-	147	1	22.0	-	105	1	22.2	-

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: 25,038

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	4,481	18	23.4	81	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	19,998	80	22.7	77	1,359,318	71	20.6	65
Less than 4 years of English	311	1	20.0	60	93,944	5	15.9	36
Zero years / no English courses reported	248	1	21.8	70	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,477	10	24.9	78	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,125	12	21.9	55	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	1,633	7	19.5	30	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	3,112	12	19.5	30	362,476	19	19.4	30
Other comb of 4 or more years of Math	11,480	46	25.2	77	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	1,663	7	17.1	10	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	788	3	20.5	39	95,502	5	19.8	34
Less than 3 years of Math	507	2	16.1	7	78,951	4	16.3	8
Zero years / no Math courses reported	253	1	21.2	44	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,073	4	23.4	59	48,944	3	22.3	51
Other comb of 4 or more years Social Science	15,999	64	24.0	63	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	1,304	5	21.1	44	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	5,832	23	23.3	59	527,956	27	21.4	46
Less than 3 years of Social Science	583	2	22.8	53	194,720	10	19.5	34
Zero years / no Social Science courses reported	247	1	23.1	55	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	13,747	55	23.8	62	807,744	42	22.2	48
Bio, Chem, Phys	2,683	11	25.7	75	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	6,793	27	20.5	33	512,754	27	20.1	30
Other comb of 3 years of Natural Science	405	2	19.5	27	54,439	3	19.1	24
Less than 3 years of Natural Science	1,158	5	18.1	17	227,926	12	18.1	18
Zero years / no Natural Science courses reported	252	1	22.1	47	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.

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	268	1	22.8	4	2	18.0	243	1	22.9
Architecture	242	1	22.7	1	0	13.0	219	1	22.8
Area, Ethnic, & Multidisciplinary Studies	46	0	24.0	1	0	20.0	42	0	24.0
Arts: Visual & Performing	1,161	5	22.0	12	6	17.8	1,043	5	21.9
Business	2,833	11	22.4	44	21	17.2	2,503	11	22.4
Communications	629	3	21.9	2	1	19.0	565	3	21.9
Community, Family, & Personal Services	255	1	19.2	5	2	19.2	230	1	19.1
Computer Science & Mathematics	1,095	4	24.7	6	3	16.5	992	5	24.6
Education	1,069	4	21.3	8	4	19.9	971	4	21.3
Engineering	2,753	11	25.7	17	8	19.4	2,464	11	25.6
Engineering Technology & Drafting	240	1	21.7	4	2	14.5	216	1	21.8
English & Foreign Languages	327	1	25.6	0	0	.	293	1	25.5
Health Administration & Assisting	509	2	19.3	6	3	12.7	456	2	19.2
Health Sciences & Technologies	3,919	16	22.2	32	15	18.1	3,552	16	22.3
Philosophy, Religion, & Theology	111	0	22.6	1	0	23.0	97	0	22.5
Repair, Production, & Construction	47	0	19.6	9	4	18.8	31	0	20.9
Sciences: Biological & Physical	2,474	10	24.8	5	2	15.4	2,266	10	24.7
Social Sciences & Law	2,375	9	22.8	12	6	19.0	2,175	10	22.7
Undecided	4,533	18	23.3	41	20	17.2	3,553	16	23.4
No Response	151	1	21.8	0	0	.	19	0	22.2

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: 25,038

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	77	19.0	19	15.1	1	19.0	32	21.0	9	19.8
2-yr College Degree	133	16.9	36	14.3	0	.	70	18.1	11	17.9
Bachelors Degree	9,428	21.2	1,720	16.9	42	20.7	5,680	22.5	718	20.1
Graduate Study	6,524	24.6	698	19.7	16	21.9	4,203	25.2	489	24.0
Prof. Level Degree	5,979	24.6	1,098	20.1	11	23.8	2,940	25.9	536	23.2
Other	169	20.7	47	16.1	2	14.0	73	22.8	16	20.2
No Response	2,728	23.6	393	17.6	3	21.3	1,381	24.8	158	21.6

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	77	19.0	10	21.4	0	.	2	17.0	4	14.3
2-yr College Degree	133	16.9	4	15.8	0	.	6	17.8	6	17.7
Bachelors Degree	9,428	21.2	432	23.0	27	21.9	403	21.3	406	22.0
Graduate Study	6,524	24.6	432	26.1	13	24.3	294	24.6	379	25.2
Prof. Level Degree	5,979	24.6	669	26.8	16	24.1	366	24.4	343	26.4
Other	169	20.7	12	20.3	1	14.0	2	18.0	16	27.4
No Response	2,728	23.6	288	27.0	2	25.0	113	24.2	390	23.7

Total Students in Report: 25,038

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
JAMES MADISON UNIVERSITY	Virginia	3,263	1,015	2,248	1	4	15	32	32	16	1
VIRGINIA TECH	Virginia	3,226	1,188	2,038	0	2	10	27	33	24	4
UNIVERSITY OF VIRGINIA	Virginia	2,357	832	1,525	0	1	6	16	32	36	9
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	2,201	588	1,613	2	8	23	31	23	11	1
GEORGE MASON UNIVERSITY	Virginia	2,014	539	1,475	1	5	20	32	26	15	2
OLD DOMINION UNIVERSITY	Virginia	1,664	462	1,202	4	14	34	27	15	5	0
CHRISTOPHER NEWPORT UNIVERSITY	Virginia	1,420	362	1,058	1	4	18	32	30	14	1
RADFORD UNIVERSITY	Virginia	1,242	405	837	2	12	37	31	14	3	0
COLLEGE OF WILLIAM AND MARY	Virginia	1,160	305	855	0	2	6	17	30	38	8
LONGWOOD UNIVERSITY	Virginia	868	218	650	1	8	33	36	18	3	0
UNIVERSITY OF MARY WASHINGTON	Virginia	695	133	562	1	4	19	34	26	14	1
LIBERTY UNIVERSITY	Virginia	692	411	281	1	10	30	28	20	10	1
VIRGINIA STATE UNIVERSITY	Virginia	482	131	351	8	33	43	13	3	1	0
NCAA ELIGIBILITY CENTER	Indiana	481	279	202	2	12	33	26	17	8	1
UNIVERSITY OF RICHMOND	Virginia	386	94	292	2	6	15	21	29	24	2
NORFOLK STATE UNIVERSITY	Virginia	383	121	262	13	33	40	10	2	1	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	380	87	293	0	2	8	27	41	19	2
HAMPTON UNIVERSITY	Virginia	302	71	231	5	19	43	26	6	1	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	300	45	255	1	1	9	18	28	36	7
WEST VIRGINIA UNIVERSITY	West Virginia	286	92	194	1	6	21	37	26	7	1
EAST CAROLINA UNIVERSITY	North Carolina	279	57	222	1	5	25	39	23	7	0
VIRGINIA MILITARY INSTITUTE	Virginia	276	116	160	1	4	21	35	26	12	1
BRIDGEWATER COLLEGE	Virginia	262	64	198	1	12	30	33	18	6	0
LYNCHBURG COLLEGE	Virginia	251	58	193	1	10	32	32	19	5	1
CLEMSON UNIVERSITY	South Carolina	248	56	192	0	1	5	24	39	25	5
DUKE UNIVERSITY	North Carolina	226	77	149	0	2	7	15	23	36	17
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	222	39	183	2	3	9	20	36	24	6
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	213	38	175	1	2	9	24	32	29	3
ROANOKE COLLEGE	Virginia	206	40	166	1	5	19	36	25	13	0
FERRUM COLLEGE ADMISSIONS OFFICE	Virginia	197	66	131	5	29	38	16	9	3	0
All Other Institutions		14,693	4,121	10,572	2	7	18	24	24	20	5
Total		40,875	12,110	28,765	2	7	19	26	25	18	4

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.

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	16,768	1,108,908	24.0	21.0	7.4	6.9	22.9	20.2
Black/African American	2,303	136,380	18.2	16.3	6.5	6.0	17.8	15.9
American Indian/Alaska Native	46	7,142	20.8	16.5	6.9	5.9	20.3	16.0
White	9,603	567,060	25.1	22.8	7.5	7.1	23.9	21.8
Hispanic/Latino	1,356	196,970	22.2	18.4	7.4	6.7	21.6	18.1
Asian	1,499	68,736	26.0	23.9	7.9	7.6	24.8	23.0
Native Hawaiian/Other Pac. Isl.	39	4,070	22.1	18.0	7.6	6.5	21.6	17.6
Two or more races	831	45,517	24.1	21.3	7.4	6.9	22.9	20.4
Prefer not/No Response	1,091	83,033	25.4	20.8	7.5	6.7	24.0	19.9
Males	7,200	507,737	23.7	20.7	7.2	6.6	22.5	19.7
Females	9,566	590,537	24.2	21.4	7.6	7.1	23.2	20.8
Missing	2	10,634	19.0	16.0	5.5	5.6	17.5	15.4

