

ACT Profile Report - State

Graduating Class 2014

West Virginia



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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

19% 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: 11,191 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. 77% 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, 1% were college ready. 11% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 5% of these students were college ready. In comparison, 37% 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 15% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 36% 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 58% 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

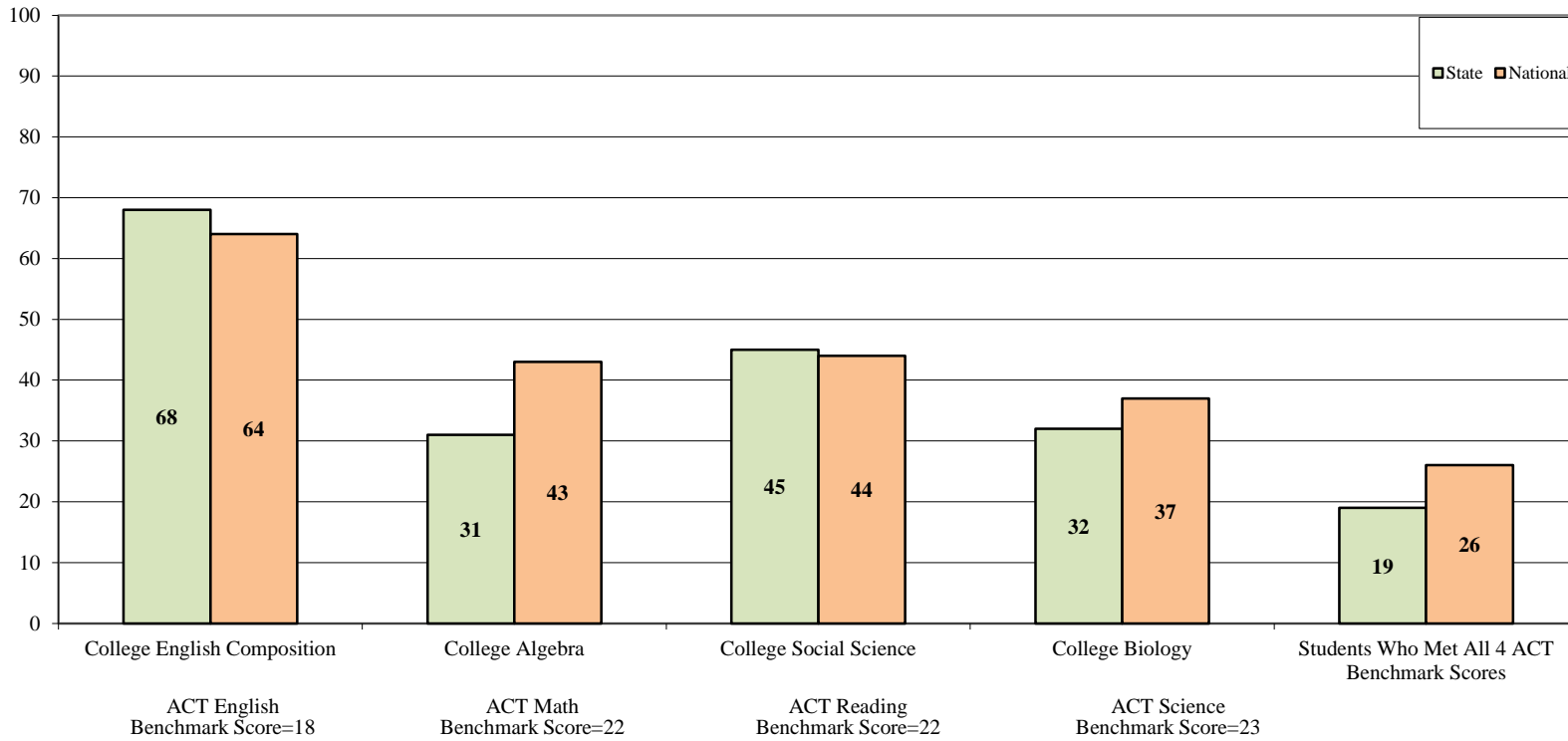
Executive Summary

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: 11,191

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	11,569	1,568,835	71	66	32	43	54	52	24	29	18	24
2011	11,505	1,623,112	70	66	32	45	53	52	23	30	17	25
2012	11,719	1,666,017	70	67	33	46	53	52	25	31	19	25
2013	11,426	1,799,243	69	64	33	44	45	44	34	36	20	26
2014	11,191	1,845,787	68	64	31	43	45	44	32	37	19	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	11,569	1,568,835	20.7	20.5	19.6	21.0	21.3	21.3	20.6	20.9	20.7	21.0
2011	11,505	1,623,112	20.6	20.6	19.5	21.1	21.2	21.3	20.5	20.9	20.6	21.1
2012	11,719	1,666,017	20.6	20.5	19.6	21.1	21.3	21.3	20.5	20.9	20.6	21.1
2013	11,426	1,799,243	20.5	20.2	19.5	20.9	21.3	21.1	20.6	20.7	20.6	20.9
2014	11,191	1,845,787	20.4	20.3	19.5	20.9	21.4	21.3	20.6	20.8	20.6	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: 11,191

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	8,203	3,149	71	27	21.6	18.6	20.4	17.9	22.1	19.6	21.3	18.9	21.5	18.9
2011	8,847	2,414	77	21	21.4	18.4	20.1	17.6	21.9	19.3	21.1	18.6	21.2	18.6
2012	9,571	1,993	82	17	21.3	17.9	20.1	17.3	21.8	18.9	21.0	18.1	21.2	18.2
2013	9,226	1,962	81	17	21.1	18.1	20.0	17.4	21.9	19.2	21.1	18.6	21.2	18.4
2014	8,656	2,181	77	19	21.2	18.0	20.2	17.3	22.0	19.3	21.2	18.4	21.3	18.4

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.

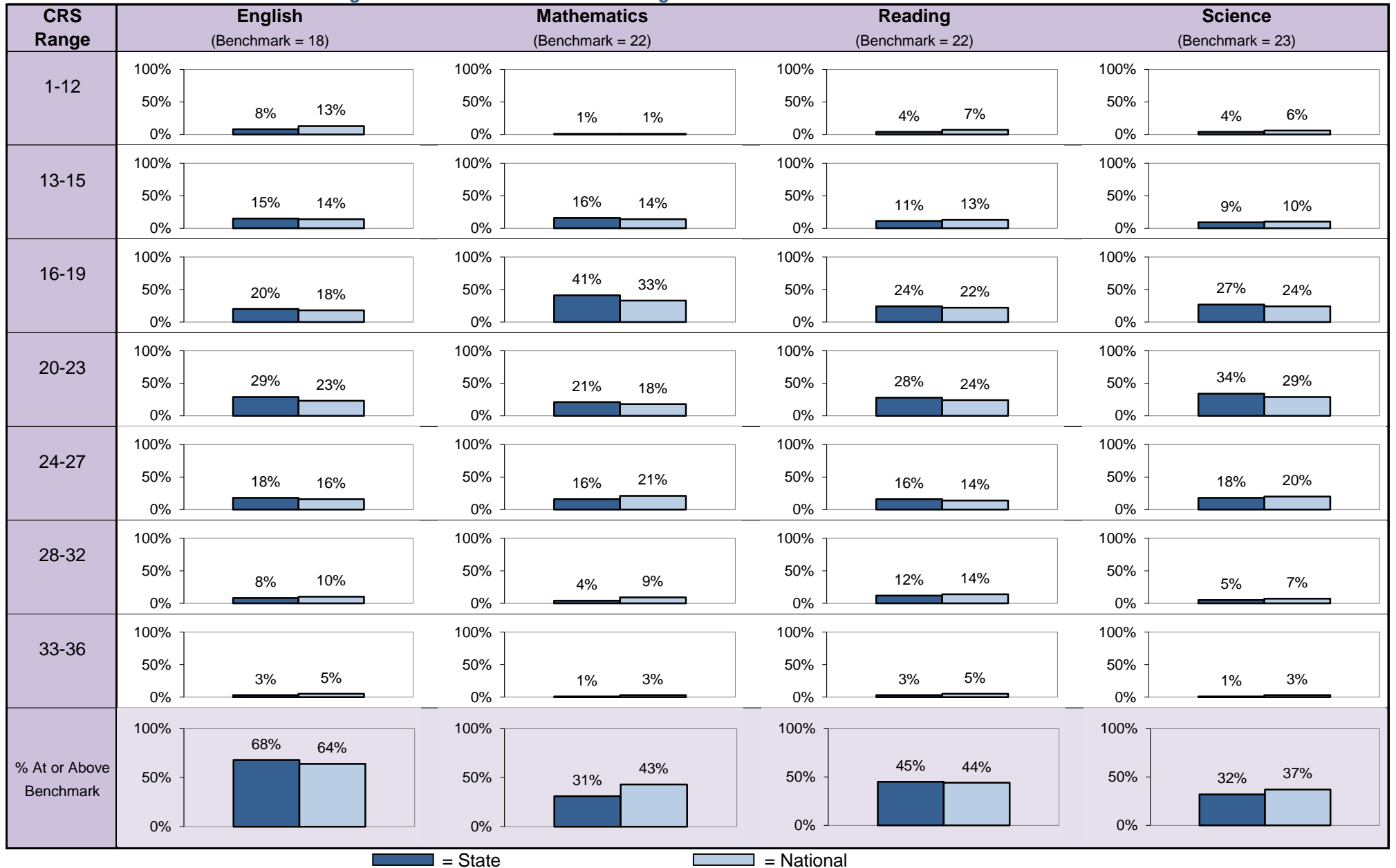
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	11,569	100	20.7	11,505	100	20.6	11,719	100	20.6	11,426	100	20.6	11,191	100	20.6
Black/African American	418	4	17.4	406	4	17.6	461	4	17.3	422	4	17.5	397	4	17.1
American Indian/Alaska Native	46	0	20.5	46	0	19.0	33	0	19.9	19	0	20.2	29	0	19.3
White	10,374	90	20.8	10,195	89	20.7	10,296	88	20.7	9,939	87	20.7	9,792	87	20.7
Hispanic/Latino	102	1	19.4	167	1	20.5	210	2	20.4	231	2	20.5	204	2	20.3
Asian	113	1	23.4	106	1	24.4	97	1	23.2	91	1	23.5	97	1	24.1
Native Hawaiian/Other Pacific Islander	0	0	.	5	0	22.4	5	0	20.6	8	0	20.3	5	0	21.2
Two or more races	195	2	20.5	259	2	20.2	352	3	20.3	402	4	20.4	380	3	20.5
Prefer not to respond/No response	321	3	20.5	321	3	20.4	265	2	21.4	314	3	20.2	287	3	20.7

Total Students in Report: 11,191

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



Total Students in Report: 11,191

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	10,930	98	20.5	19.6	21.5	20.7	20.7
	Extended Time	261	2	14.5	16.2	16.9	17.0	16.2
	Total	11,191	100	20.4	19.5	21.4	20.6	20.6
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	69	32	45	33	19
	Extended Time	24	9	18	11	6
	Total	68	31	45	32	19
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: 11,191

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	26	100	5	100	33	100	30	100	1	100	36
35	88	100	23	100	54	100	39	100	20	100	35
34	101	99	41	100	122	99	58	99	38	100	34
33	104	98	23	99	168	98	27	99	39	99	33
32	125	97	40	99	269	97	69	99	71	99	32
31	111	96	47	99	252	94	72	98	115	98	31
30	168	95	92	98	274	92	120	97	155	97	30
29	192	94	128	98	293	90	106	96	146	96	29
28	246	92	196	96	297	87	176	95	274	95	28
27	286	90	266	95	329	84	302	94	311	92	27
26	407	87	385	92	407	81	309	91	446	90	26
25	598	83	491	89	422	78	691	88	534	86	25
24	727	78	604	84	654	74	767	82	682	81	24
23	666	72	621	79	743	68	858	75	814	75	23
22	783	66	511	74	698	61	1,036	68	897	67	22
21	877	59	627	69	1,121	55	1,008	58	782	59	21
20	917	51	590	63	597	45	934	49	891	52	20
19	613	43	636	58	975	40	1,145	41	964	44	19
18	544	37	824	52	534	31	703	31	945	36	18
17	461	32	1,387	45	548	26	737	24	839	27	17
16	656	28	1,728	33	631	21	483	18	705	20	16
15	726	22	1,227	17	472	16	407	14	611	14	15
14	569	16	473	6	500	12	331	10	463	8	14
13	339	11	146	2	297	7	304	7	268	4	13
12	244	8	60	1	280	4	199	4	139	2	12
11	263	6	16	1	124	2	144	3	32	1	11
10	187	3	2	1	67	1	68	1	9	1	10
9	95	1	2	1	19	1	52	1	0	1	9
8	53	1	0	1	5	1	8	1	0	1	8
7	14	1	0	1	3	1	4	1	0	1	7
6	4	1	0	1	2	1	3	1	0	1	6
5	0	1	0	1	1	1	1	1	0	1	5
4	1	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	20.4 (5.7)		19.5 (4.4)		21.4 (5.6)		20.6 (4.7)		20.6 (4.6)		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: 11,191

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	256	100	82	100	157	100	223	100	134	100	28	100	26	100	18
17	420	98	99	99	429	99	534	98	210	99	41	100	25	100	17
16	348	94	310	98	586	95	645	93	323	97	88	99	174	100	16
15	537	91	588	96	518	90	649	87	396	94	284	99	325	98	15
14	455	86	714	90	784	85	710	82	608	91	545	96	508	95	14
13	823	82	1,085	84	1,107	78	872	75	920	85	901	91	624	91	13
12	909	75	1,224	74	1,315	68	1,061	68	1,117	77	1,008	83	1,171	85	12
11	1,269	67	1,439	63	1,107	56	1,188	58	993	67	1,264	74	1,383	75	11
10	1,271	55	1,166	50	1,247	46	1,043	47	819	58	1,907	63	1,475	62	10
9	1,292	44	1,389	40	1,036	35	1,357	38	1,183	51	1,863	46	2,120	49	9
8	1,138	32	1,150	28	1,067	26	783	26	1,421	40	1,316	29	1,525	30	8
7	766	22	680	17	1,021	16	690	19	1,609	27	935	17	842	16	7
6	691	15	551	11	485	7	580	13	894	13	493	9	390	9	6
5	524	9	415	6	219	3	577	8	327	5	263	5	288	5	5
4	291	4	243	3	70	1	169	2	166	2	119	2	148	3	4
3	162	2	47	1	25	1	78	1	51	1	111	1	97	1	3
2	35	1	9	1	16	1	31	1	17	1	8	1	39	1	2
1	4	1	0	1	2	1	1	1	3	1	17	1	31	1	1
Avg (SD)	10.2 (3.5)		10.4 (3.1)		10.9 (3.2)		10.8 (3.6)		9.9 (3.2)		9.9 (2.6)		9.8 (2.7)		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)	24	23	25	23	24
Q2 (50th Percentile)	20	18	21	21	20
Q1 (25th Percentile)	16	16	17	18	17

Total Students in Report: 11,191

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	11,191	77	21.3	18.4
	Black/African American	397	65	17.9	15.8
	American Indian/Alaska Native	29	62	21.1	16.3
	White	9,792	78	21.3	18.5
	Hispanic/Latino	204	74	20.9	19.3
	Asian	97	84	24.9	19.5
	Native Hawaiian/Other Pac. Isl.	5	100	21.2	.
	Two or more races	380	78	21.0	18.5
	Prefer not/No Response	287	59	22.7	19.1
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	20.4	19.5	21.4	20.6	20.6
	Black/African American	16.1	16.9	17.8	17.3	17.1
	American Indian/Alaska Native	19.1	18.7	19.8	19.4	19.3
	White	20.5	19.6	21.5	20.7	20.7
	Hispanic/Latino	19.9	19.5	21.1	20.4	20.3
	Asian	23.8	24.0	23.9	23.9	24.1
	Native Hawaiian/Other Pac. Isl.	20.6	19.2	23.4	21.4	21.2
	Two or more races	20.2	19.3	21.5	20.4	20.5
	Prefer not/No Response	20.4	19.6	21.6	20.8	20.7
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: 11,191

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	319	3	92	1	377	3	154	1
	28 to 32	842	8	503	4	1,385	12	543	5
	24 to 27	2,018	18	1,746	16	1,812	16	2,069	18
	20 to 23	3,243	29	2,349	21	3,159	28	3,836	34
	16 to 19	2,274	20	4,575	41	2,688	24	3,068	27
	13 to 15	1,634	15	1,846	16	1,269	11	1,042	9
	01 to 12	861	8	80	1	501	4	479	4
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	4,840	43	20.1	20.2	21.3	21.1	20.8
	Females	6,345	57	20.5	19.0	21.4	20.1	20.4
	Missing	6	0	17.0	18.3	18.2	16.7	17.5
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	66	37	45	38	23
	Females	69	27	44	28	16
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 11,191

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	8,656	73	21.2	37	20.2	49	22.0	37	21.2	23	21.3
	Less than Core	2,181	51	18.0	12	17.3	30	19.3	16	18.4	7	18.4
	Missing ³	354	30	15.6	11	16.7	22	17.6	15	17.5	7	17.0
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	10,689	69	20.6	10,424	33	19.8	10,419	46	21.6	9,202	36	21.1
	Less than Core	160	47	17.8	419	1	15.6	425	34	19.6	1,640	15	18.3
	Missing ³	342	30	15.6	348	11	16.7	347	22	17.6	349	15	17.5
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

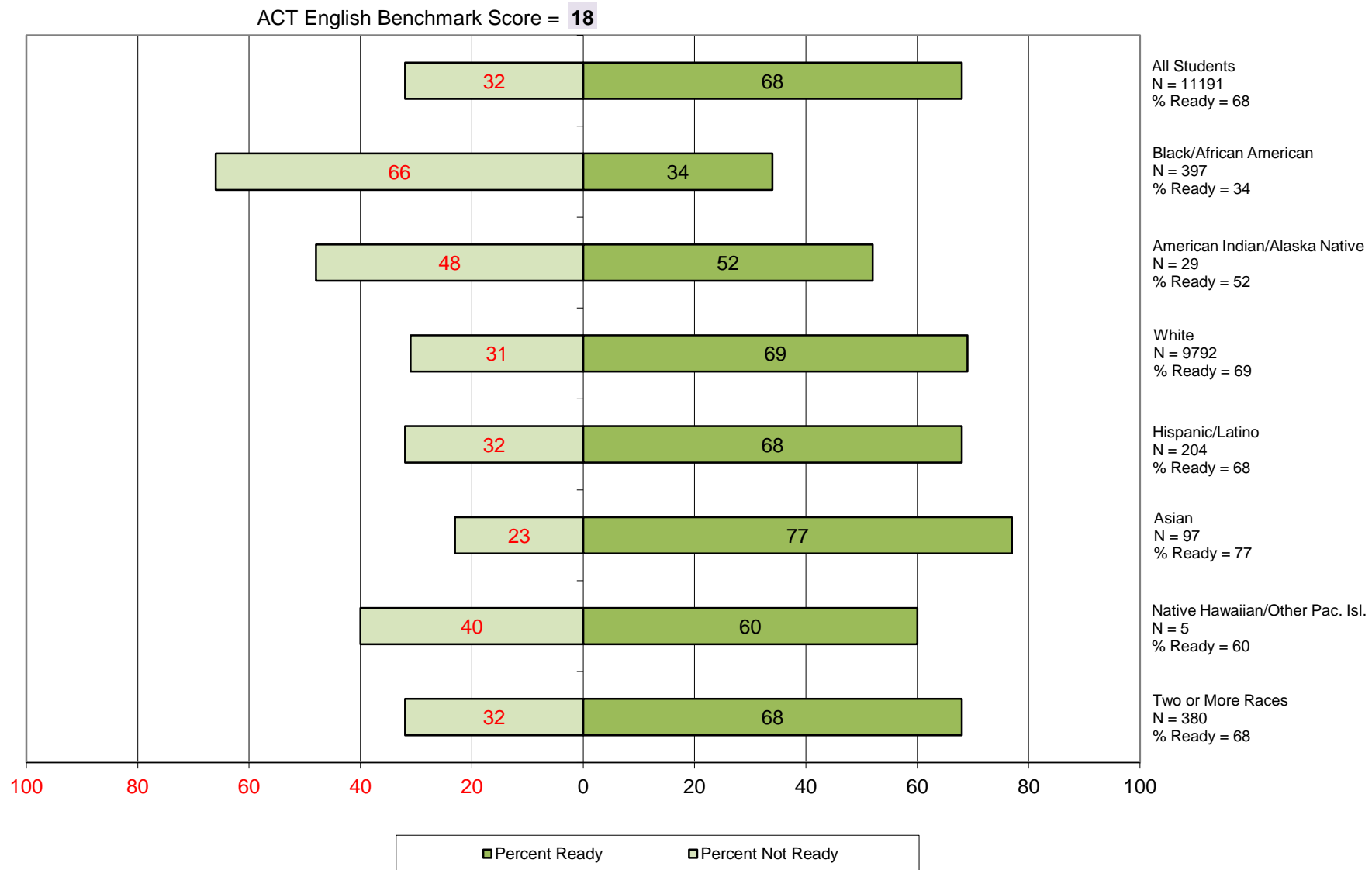


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

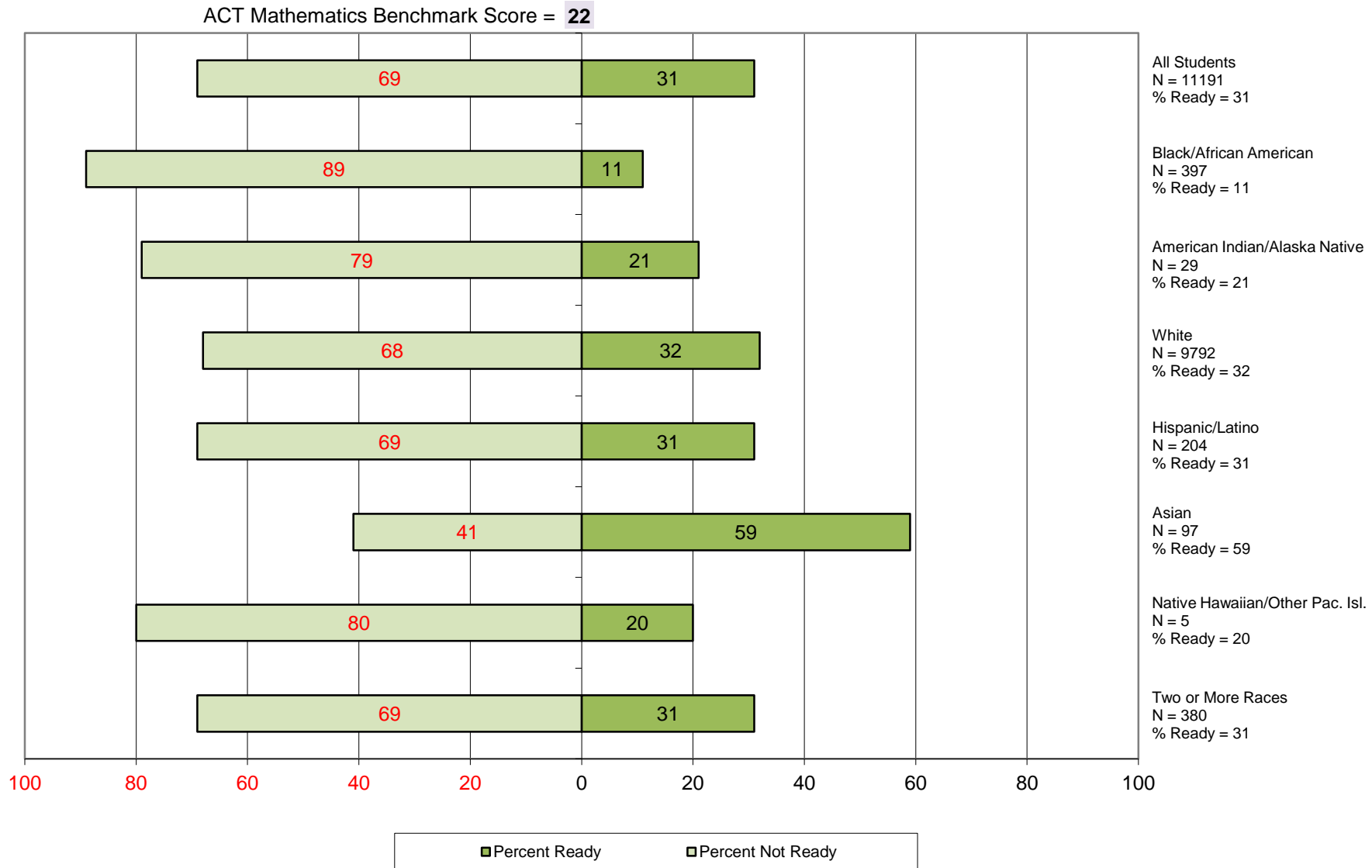


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

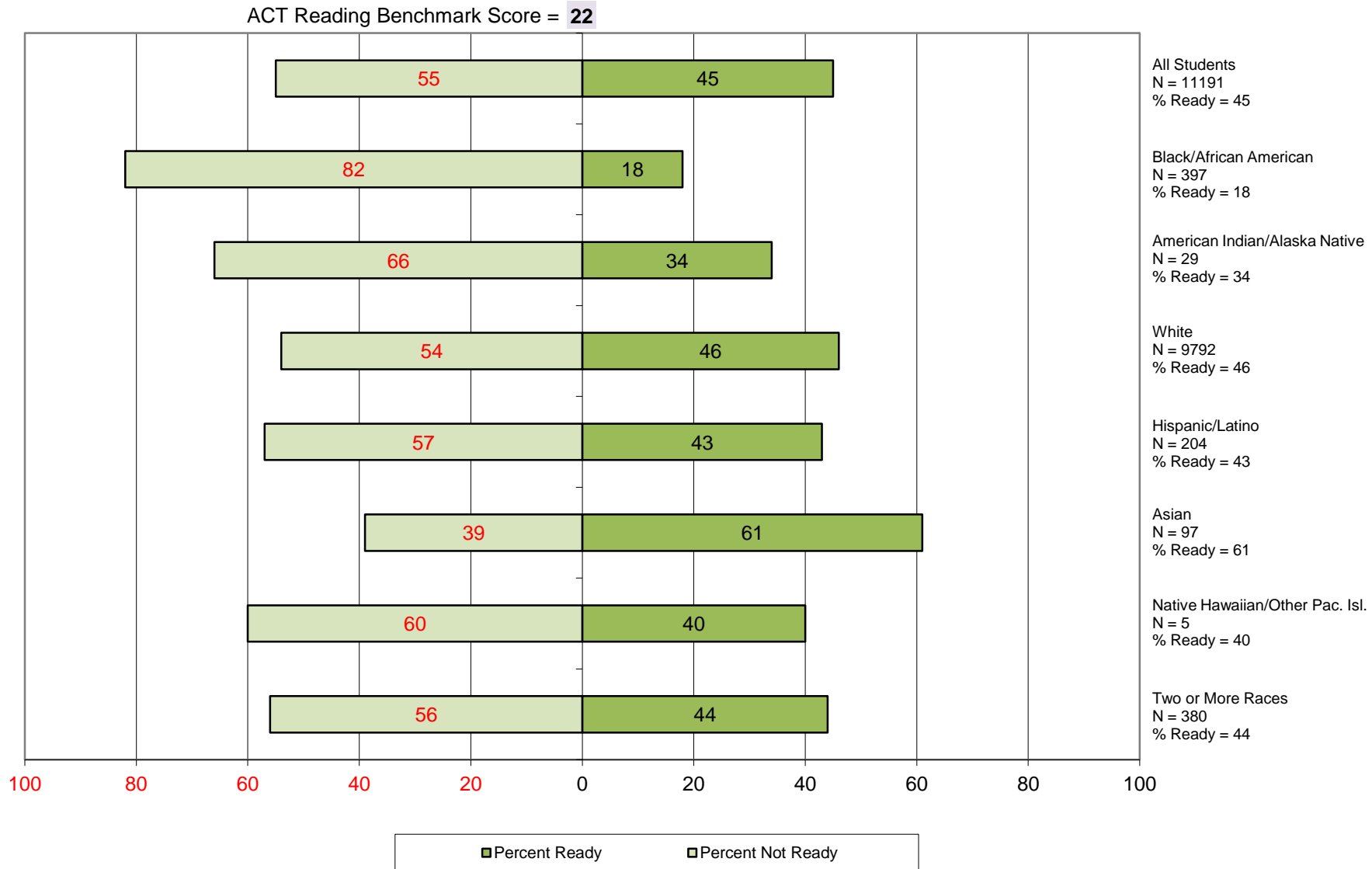


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

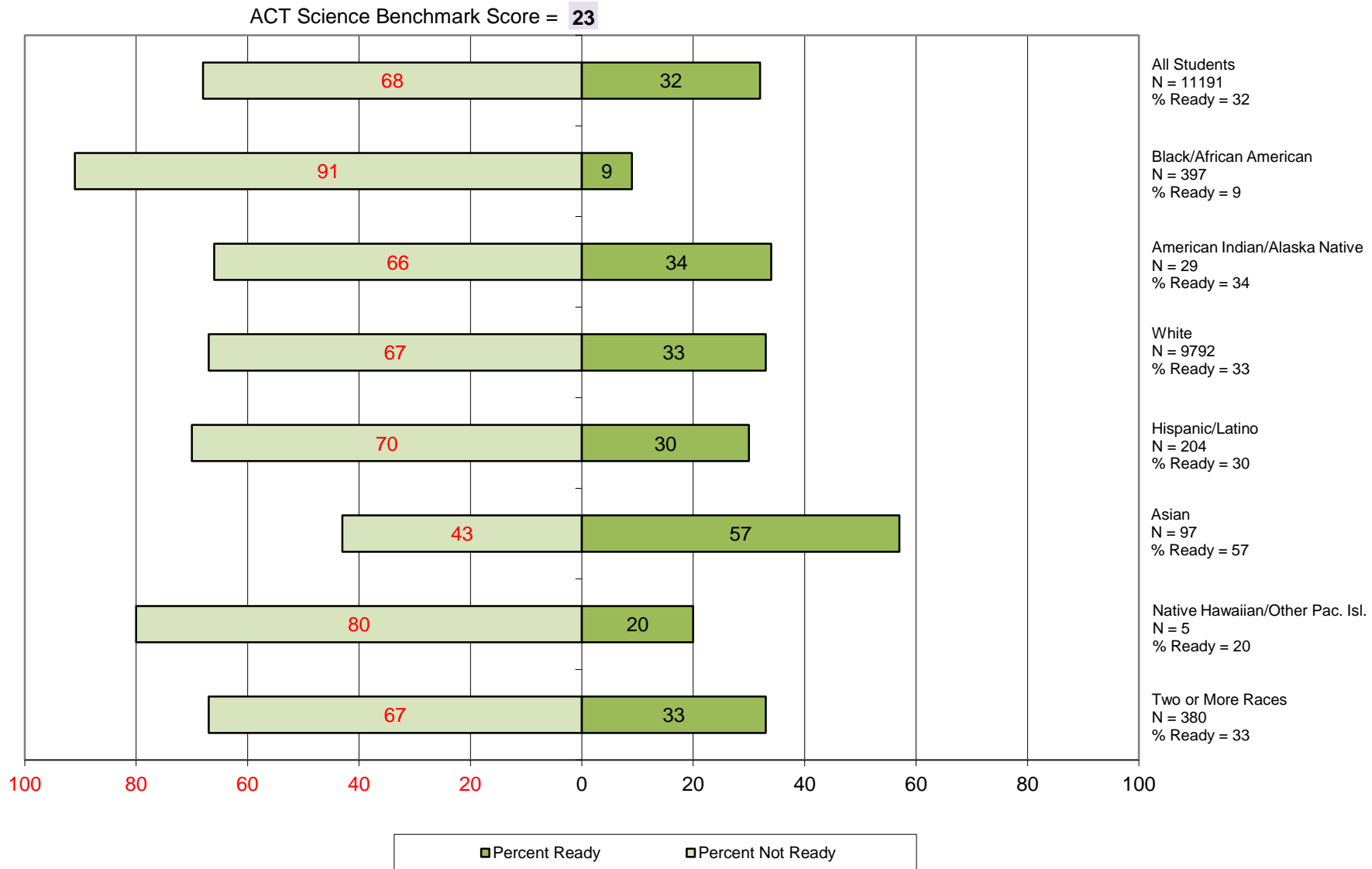
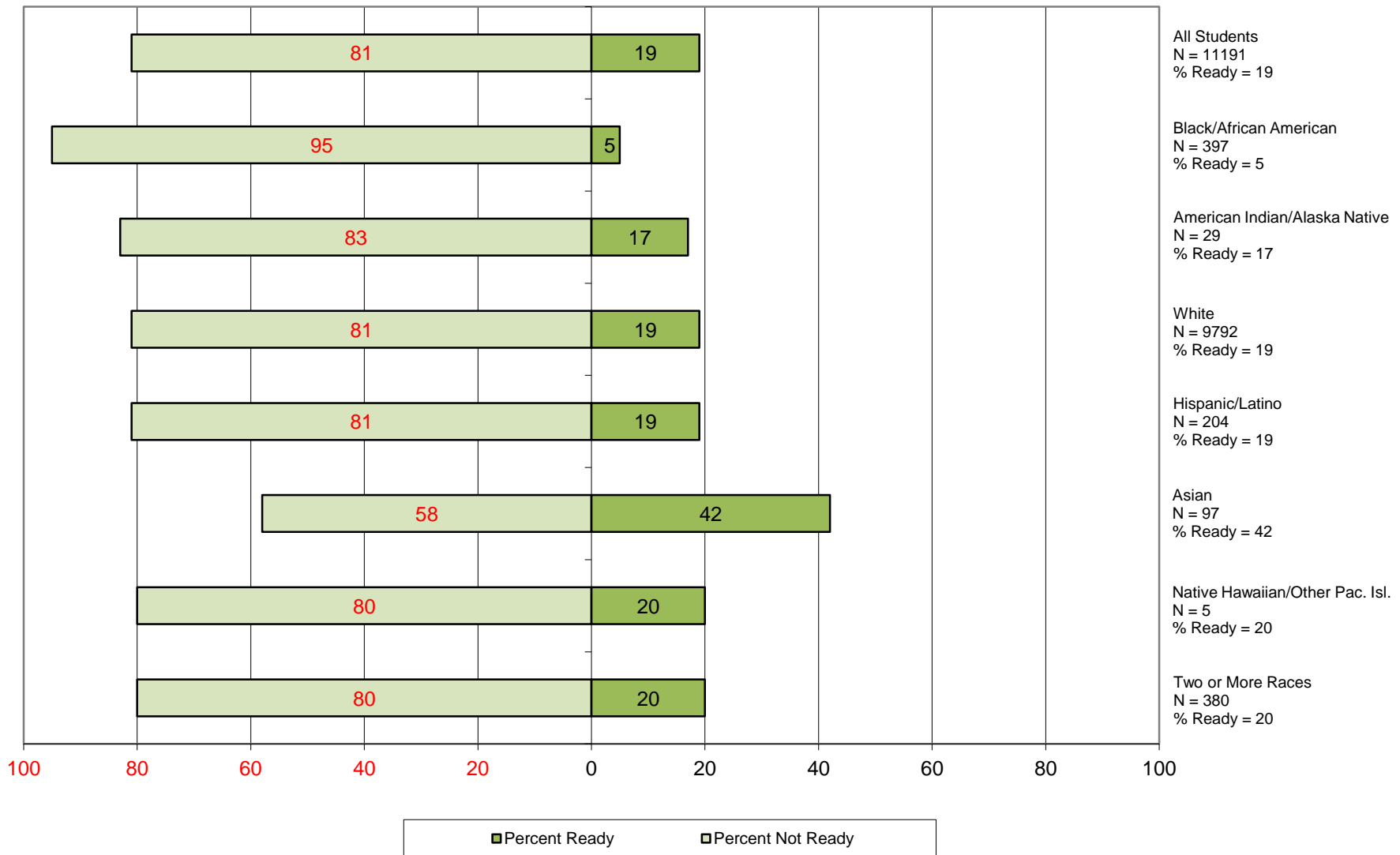


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 11,191

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	2,541	23	21.6	3.8	991	20	21.6	4.3	1,550	24	21.6	3.4
Eng 9, Eng 10, Eng 11, Eng 12	8,148	73	20.2	2.4	3,573	74	20.0	2.7	4,569	72	20.4	2.2
Less than 4 years of English	160	1	17.8	-	77	2	17.3	-	83	1	18.2	-
Zero years / no English courses reported	342	3	15.6	-	199	4	15.5	-	143	2	15.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	643	6	21.9	6.3	291	6	23.0	7.1	352	6	20.9	5.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,837	16	20.8	5.2	662	14	21.2	5.3	1,175	19	20.5	5.1
Alg 1, Alg 2, Geom, & Trig	1,705	15	18.7	3.1	723	15	19.2	3.3	981	15	18.4	3.0
Alg 1, Alg 2, Geom, & Other Adv Math	1,710	15	17.6	2.0	599	12	18.2	2.3	1,109	17	17.2	1.8
Other comb of 4 or more years of Math	3,039	27	22.1	6.5	1,521	31	22.8	6.9	1,517	24	21.4	6.0
Alg 1, Alg 2, & Geom	1,213	11	16.5	0.9	509	11	16.8	0.9	703	11	16.2	0.8
Other comb of 3 or 3.5 years of Math	277	2	16.7	1.1	126	3	16.9	1.0	151	2	16.5	1.1
Less than 3 years of Math	419	4	15.6	-	208	4	15.9	-	210	3	15.4	-
Zero years / no Math courses reported	348	3	16.7	-	201	4	17.0	-	147	2	16.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,822	16	20.9	1.3	830	17	21.0	1.6	990	16	20.8	1.0
Other comb of 4 or more years Social Science	4,227	38	22.1	2.5	1,740	36	22.1	2.7	2,485	39	22.2	2.4
US Hist, World Hist, & Am Gov	1,693	15	20.9	1.3	785	16	21.2	1.8	908	14	20.7	0.9
Other comb of 3 or 3.5 years of Social Science	2,677	24	21.5	1.9	1,067	22	21.5	2.1	1,609	25	21.4	1.6
Less than 3 years of Social Science	425	4	19.6	-	217	4	19.4	-	207	3	19.8	-
Zero years / no Social Science courses reported	347	3	17.6	-	201	4	17.7	-	146	2	17.6	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	3,853	34	22.1	3.8	1,890	39	22.9	4.5	1,961	31	21.3	3.1
Bio, Chem, Phys	55	0	20.8	2.5	30	1	21.9	3.5	25	0	19.4	1.2
Gen Sci ² , Bio, Chem	4,928	44	20.4	2.1	1,830	38	20.7	2.3	3,095	49	20.2	2.0
Other comb of 3 years of Natural Science	366	3	19.7	1.4	194	4	20.6	2.2	172	3	18.6	0.4
Less than 3 years of Natural Science	1,640	15	18.3	-	693	14	18.4	-	946	15	18.2	-
Zero years / no Natural Science courses reported	349	3	17.5	-	203	4	17.7	-	146	2	17.3	-

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: 11,191

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	2,541	23	21.6	76	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	8,148	73	20.2	67	1,305,220	71	20.5	65
Less than 4 years of English	160	1	17.8	47	88,420	5	15.9	36
Zero years / no English courses reported	342	3	15.6	30	81,272	4	16.3	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	643	6	21.9	53	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,837	16	20.8	43	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	1,705	15	18.7	22	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	1,710	15	17.6	12	356,555	19	19.4	31
Other comb of 4 or more years of Math	3,039	27	22.1	54	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	1,213	11	16.5	5	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	277	2	16.7	6	90,105	5	19.8	35
Less than 3 years of Math	419	4	15.6	1	74,627	4	16.4	8
Zero years / no Math courses reported	348	3	16.7	11	84,966	5	17.8	19
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,822	16	20.9	42	48,992	3	22.3	50
Other comb of 4 or more years Social Science	4,227	38	22.1	50	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	1,693	15	20.9	40	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	2,677	24	21.5	46	504,877	27	21.3	43
Less than 3 years of Social Science	425	4	19.6	34	180,385	10	19.4	32
Zero years / no Social Science courses reported	347	3	17.6	22	85,294	5	17.8	24
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	3,853	34	22.1	45	781,043	42	22.1	46
Bio, Chem, Phys	55	0	20.8	29	199,419	11	23.1	54
Gen Sci ¹ , Bio, Chem	4,928	44	20.4	30	505,460	27	20.0	28
Other comb of 3 years of Natural Science	366	3	19.7	26	52,236	3	19.2	24
Less than 3 years of Natural Science	1,640	15	18.3	15	220,701	12	18.1	17
Zero years / no Natural Science courses reported	349	3	17.5	15	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: 11,191

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	235	2	19.5	29	3	16.9	198	2	19.9
Architecture	44	0	21.6	1	0	17.0	42	0	21.7
Area, Ethnic, & Multidisciplinary Studies	5	0	19.8	0	0	.	5	0	19.8
Arts: Visual & Performing	537	5	20.6	30	4	17.4	476	5	20.9
Business	788	7	20.0	68	8	17.6	694	7	20.3
Communications	123	1	21.5	7	1	16.9	115	1	21.7
Community, Family, & Personal Services	256	2	18.8	39	5	16.6	206	2	19.2
Computer Science & Mathematics	286	3	22.4	18	2	18.2	252	3	22.7
Education	955	9	20.0	19	2	16.4	921	9	20.1
Engineering	708	6	23.1	35	4	17.0	656	7	23.4
Engineering Technology & Drafting	155	1	19.8	29	3	16.6	118	1	20.7
English & Foreign Languages	99	1	23.4	0	0	.	93	1	23.5
Health Administration & Assisting	534	5	18.4	92	11	16.1	423	4	19.0
Health Sciences & Technologies	3,005	27	20.6	219	26	17.4	2,717	28	20.9
Philosophy, Religion, & Theology	48	0	20.3	2	0	19.5	44	0	20.5
Repair, Production, & Construction	130	1	17.1	80	10	16.6	39	0	18.4
Sciences: Biological & Physical	584	5	23.3	8	1	18.3	562	6	23.3
Social Sciences & Law	850	8	20.9	27	3	17.7	801	8	20.9
Undecided	1,606	14	20.3	109	13	17.0	1,369	14	20.5
No Response	237	2	17.5	14	2	13.5	20	0	19.9

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: 11,191

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	170	16.1	4	15.5	1	16.0	147	16.1	2	16.5
2-yr College Degree	660	17.2	16	14.9	1	15.0	623	17.2	7	18.4
Bachelors Degree	5,939	19.6	241	16.3	14	18.0	5,246	19.8	114	18.9
Graduate Study	1,390	22.9	36	19.9	4	23.0	1,235	23.0	22	23.6
Prof. Level Degree	2,424	23.3	75	19.3	6	22.5	2,088	23.3	47	23.0
Other	135	18.1	11	14.3	0	.	112	18.4	2	16.5
No Response	473	19.4	14	17.4	3	16.3	341	19.9	10	19.8

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	170	16.1	1	16.0	0	.	13	16.6	2	16.5
2-yr College Degree	660	17.2	0	.	0	.	10	18.0	3	20.3
Bachelors Degree	5,939	19.6	30	19.1	3	18.0	183	19.4	108	19.7
Graduate Study	1,390	22.9	8	25.5	0	.	52	22.0	33	23.6
Prof. Level Degree	2,424	23.3	51	26.7	1	20.0	100	22.9	56	25.4
Other	135	18.1	1	26.0	0	.	5	15.6	4	21.3
No Response	473	19.4	6	25.0	1	32.0	17	18.6	81	17.7

Total Students in Report: 11,191

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
WEST VIRGINIA UNIVERSITY	West Virginia	3,706	1,897	1,809	1	7	25	34	24	9	1
MARSHALL UNIVERSITY	West Virginia	2,776	1,283	1,493	1	9	31	34	20	6	0
FAIRMONT STATE UNIVERSITY	West Virginia	1,458	496	962	1	12	35	34	14	2	0
CONCORD UNIVERSITY	West Virginia	722	237	485	1	8	33	32	21	5	0
WEST LIBERTY UNIVERSITY	West Virginia	649	276	373	1	11	32	33	18	4	0
WEST VIRGINIA WESLEYAN COLLEGE	West Virginia	596	149	447	0	5	25	35	26	8	1
WEST VIRGINIA STATE UNIVERSITY	West Virginia	595	164	431	2	15	40	29	12	2	0
SHEPHERD UNIVERSITY	West Virginia	559	249	310	1	11	30	33	20	6	0
UNIVERSITY OF CHARLESTON THE	West Virginia	550	127	423	1	9	33	32	19	6	0
GLENVILLE STATE COLLEGE	West Virginia	472	168	304	2	14	35	35	13	1	0
ALDERSON BROADDUS COLLEGE	West Virginia	373	109	264	1	10	31	35	18	5	0
WEST VIRGINIA UNIV INST OF TECHNOLOGY	West Virginia	337	93	244	2	9	36	34	14	5	0
BLUEFIELD STATE COLLEGE	West Virginia	318	121	197	1	12	43	32	11	1	0
POTOMAC STATE COLLEGE OF WVU	West Virginia	316	147	169	3	18	34	27	15	3	0
NCAA ELIGIBILITY CENTER	Indiana	258	104	154	2	10	38	34	10	5	0
WEST VIRGINIA UNIVERSITY AT PARKERSBURG	West Virginia	252	136	116	6	18	35	28	12	2	0
DAVIS & ELKINS COLLEGE	West Virginia	247	78	169	1	7	34	38	16	4	0
OHIO STATE UNIVERSITY THE	Ohio	210	39	171	1	6	21	26	21	20	5
VIRGINIA TECH	Virginia	182	34	148	0	2	16	25	33	21	2
PIERPONT COMMUNITY & TECHNICAL COLLEGE	West Virginia	181	72	109	1	28	41	25	4	1	0
UNIVERSITY OF KENTUCKY	Kentucky	180	32	148	0	2	11	31	30	22	4
WHEELING JESUIT UNIVERSITY	West Virginia	171	41	130	0	11	23	36	19	11	0
SOUTHERN WEST VIRGINIA C TECH C-LOGAN	West Virginia	164	69	95	2	16	46	27	8	0	0
NEW RIVER COMMUNITY AND TECHNICAL COLL	West Virginia	141	70	71	4	30	38	21	5	1	0
OHIO UNIVERSITY	Ohio	127	14	113	0	5	23	35	24	13	1
BRIDGEMONT COMMUNITY & TECHNICAL COLL	West Virginia	121	49	72	3	20	49	20	8	0	0
WEST VIRGINIA NORTHERN COMMUNITY COLL	West Virginia	114	52	62	3	30	33	22	11	1	0
MOUNTWEST COMMUNITY & TECHNICAL COLLEGE	West Virginia	112	29	83	4	22	42	25	6	0	0
BLUE RIDGE COMM AND TECH COLL	West Virginia	111	50	61	5	16	42	31	6	0	0
MARIETTA COLLEGE	Ohio	107	27	80	0	5	19	21	29	25	2
All Other Institutions		4,788	1,272	3,516	1	9	24	26	22	15	3
Total		20,893	7,684	13,209	1	10	29	31	19	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: 11,191

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	2,251	976,031	22.4	21.3	6.9	7.1	21.3	20.6
Black/African American	87	114,263	17.1	16.4	6.4	6.3	16.9	16.3
American Indian/Alaska Native	6	6,408	19.0	16.8	5.5	6.2	17.7	16.5
White	1,870	520,054	22.5	23.1	6.9	7.3	21.3	22.1
Hispanic/Latino	62	167,575	22.2	18.5	7.0	6.9	21.2	18.4
Asian	40	61,663	28.0	23.7	8.1	7.7	26.5	22.9
Native Hawaiian/Other Pac. Isl.	1	3,742	35.0	17.7	10.0	6.6	33.0	17.6
Two or more races	107	39,565	22.2	21.4	7.0	7.1	21.2	20.7
Prefer not/No Response	78	62,761	24.3	21.6	7.1	7.1	22.8	20.9
Males	996	438,500	22.6	21.1	6.7	6.9	21.2	20.2
Females	1,255	530,240	22.3	21.6	7.1	7.3	21.3	21.1
Missing	0	7,291	.	16.0	.	5.9	.	15.7

