

ACT Profile Report - State

Graduating Class 2013
West Virginia



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2013 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 2013. 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 for 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

20% 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: 11,426 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. 81% 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, 38% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 12% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 37% 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.

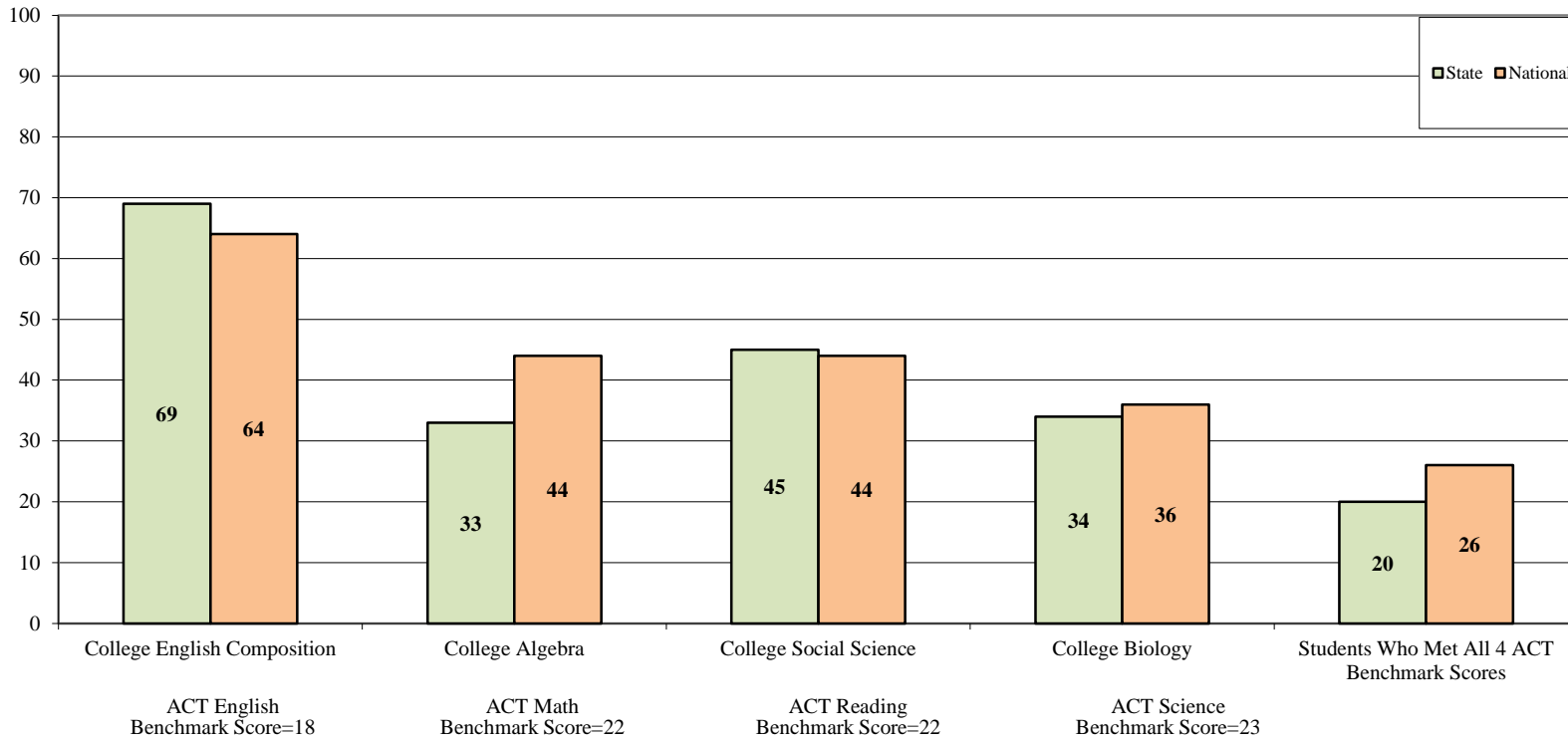
Section I

Executive Summary

Beginning 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.

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: 11,426

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
2009	11,696	1,480,469	71	67	30	42	54	53	25	28	17	23
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

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
2009	11,696	1,480,469	20.8	20.6	19.6	21.0	21.4	21.4	20.5	20.9	20.7	21.1
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
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

Total Students in Report: 11,426

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
2009	7,564	3,879	65	33	21.9	19.0	20.5	17.9	22.3	19.9	21.4	19.0	21.7	19.1
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

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.

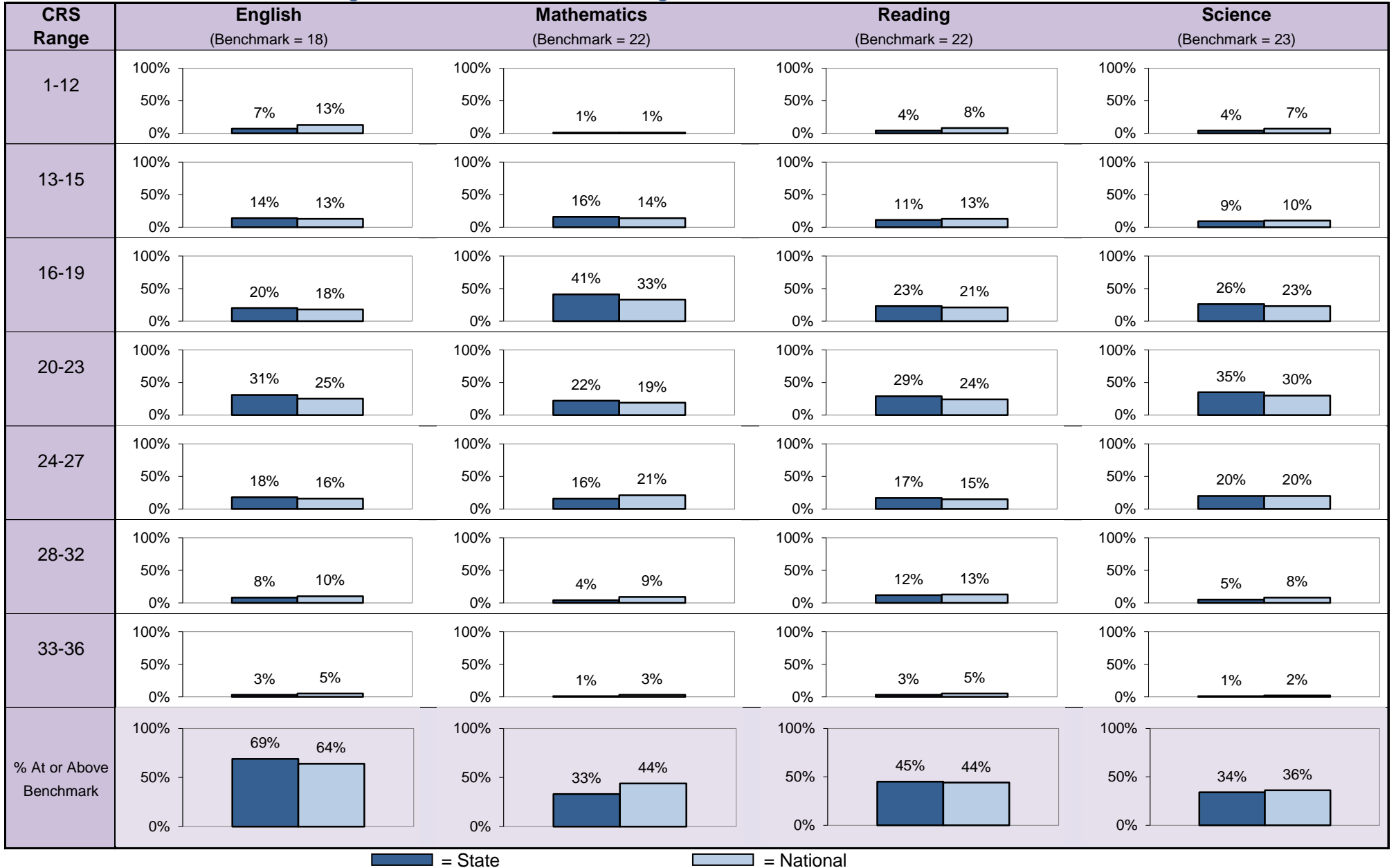
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	11,696	100	20.7	11,569	100	20.7	11,505	100	20.6	11,719	100	20.6	11,426	100	20.6
Black/African American	391	3	17.5	418	4	17.4	406	4	17.6	461	4	17.3	422	4	17.5
American Indian/Alaska Native	41	0	19.8	46	0	20.5	46	0	19.0	33	0	19.9	19	0	20.2
White	10,503	90	20.8	10,374	90	20.8	10,195	89	20.7	10,296	88	20.7	9,939	87	20.7
Hispanic/Latino	120	1	20.2	102	1	19.4	167	1	20.5	210	2	20.4	231	2	20.5
Asian	126	1	23.3	113	1	23.4	106	1	24.4	97	1	23.2	91	1	23.5
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	5	0	22.4	5	0	20.6	8	0	20.3
Two or more races	176	2	21.1	195	2	20.5	259	2	20.2	352	3	20.3	402	4	20.4
Prefer not to respond/No response	339	3	20.8	321	3	20.5	321	3	20.4	265	2	21.4	314	3	20.2

Total Students in Report: 11,426

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



Total Students in Report: 11,426

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	11,163	98	20.6	19.6	21.4	20.7	20.7
	Extended Time	263	2	14.9	16.0	17.3	16.7	16.4
	Total	11,426	100	20.5	19.5	21.3	20.6	20.6
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

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	70	33	46	34	20
	Extended Time	27	8	23	14	6
	Total	69	33	45	34	20
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	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: 11,426

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	15	100	9	100	48	100	17	100	1	100	36
35	78	100	16	100	49	100	25	100	10	100	35
34	101	99	33	100	134	99	37	100	25	100	34
33	148	98	25	99	132	98	27	99	41	100	33
32	94	97	40	99	195	97	54	99	56	99	32
31	122	96	48	99	291	95	82	99	116	99	31
30	179	95	80	99	271	93	109	98	136	98	30
29	188	94	104	98	286	90	139	97	146	97	29
28	285	92	182	97	320	88	178	96	254	95	28
27	317	89	266	95	353	85	287	94	374	93	27
26	419	87	428	93	407	82	390	92	465	90	26
25	584	83	521	89	414	78	676	88	571	86	25
24	694	78	637	85	816	75	915	82	725	81	24
23	754	72	656	79	679	67	915	74	846	74	23
22	852	65	681	73	761	62	867	66	922	67	22
21	926	58	548	67	976	55	1,233	59	769	59	21
20	958	50	574	63	891	46	962	48	945	52	20
19	605	41	618	58	687	39	951	39	1,005	44	19
18	572	36	747	52	724	33	922	31	988	35	18
17	539	31	1,443	46	569	26	571	23	863	27	17
16	597	26	1,840	33	650	21	531	18	739	19	16
15	761	21	1,173	17	470	16	426	13	591	13	15
14	457	14	510	7	447	11	341	10	397	7	14
13	380	10	174	2	377	7	284	7	253	4	13
12	227	7	47	1	252	4	193	4	137	2	12
11	206	5	17	1	139	2	122	3	40	1	11
10	184	3	8	1	46	1	100	2	9	1	10
9	103	2	1	1	19	1	45	1	1	1	9
8	52	1	0	1	16	1	21	1	1	1	8
7	20	1	0	1	4	1	4	1	0	1	7
6	7	1	0	1	1	1	0	1	0	1	6
5	2	1	0	1	2	1	1	1	0	1	5
4	0	1	0	1	0	1	1	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)	20.5 (5.6)		19.5 (4.4)		21.3 (5.6)		20.6 (4.6)		20.6 (4.5)		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: 11,426

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	270	100	72	100	174	100	286	100	183	100	17	100	37	100	18
17	414	98	82	99	432	98	375	97	245	98	36	100	11	100	17
16	429	94	416	99	540	95	582	94	244	96	101	100	110	100	16
15	458	90	527	95	509	90	713	89	441	94	252	99	353	99	15
14	619	86	819	90	811	86	840	83	519	90	488	96	574	96	14
13	650	81	1,026	83	1,018	78	932	76	1,004	86	940	92	648	91	13
12	940	75	1,465	74	1,187	70	1,042	67	1,057	77	1,097	84	1,421	85	12
11	1,403	67	1,336	61	1,320	59	1,274	58	978	68	1,295	74	1,148	72	11
10	1,474	55	1,201	50	1,260	48	1,174	47	1,255	59	2,074	63	1,654	62	10
9	1,286	42	1,467	39	1,307	37	994	37	922	48	1,428	45	1,852	48	9
8	983	30	1,164	26	1,143	25	1,053	28	1,439	40	1,642	32	1,485	32	8
7	845	22	755	16	907	15	782	19	1,757	27	959	18	948	19	7
6	661	14	501	10	445	7	573	12	811	12	418	10	585	10	6
5	455	9	336	5	229	3	528	7	362	5	354	6	206	5	5
4	318	5	187	2	78	1	182	2	144	2	121	3	264	3	4
3	170	2	66	1	40	1	72	1	51	1	148	2	35	1	3
2	48	1	6	1	23	1	23	1	13	1	6	1	68	1	2
1	3	1	0	1	3	1	1	1	1	1	50	1	27	1	1
Avg (SD)	10.3 (3.5)		10.5 (3.0)		10.9 (3.2)		10.8 (3.5)		10.0 (3.2)		9.8 (2.7)		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	24	24
Q2 (50th Percentile)	21	18	21	21	20
Q1 (25th Percentile)	16	16	17	18	17

Total Students in Report: 11,426

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	11,426	81	21.2	18.4
	Black/African American	422	73	18.0	16.5
	American Indian/Alaska Native	19	74	21.5	16.6
	White	9,939	82	21.3	18.5
	Hispanic/Latino	231	81	21.0	18.5
	Asian	91	80	24.1	22.0
	Native Hawaiian/Other Pac. Isl.	8	75	20.8	22.0
	Two or more races	402	79	21.0	18.4
	Prefer not/No Response	314	61	22.1	19.0
National	All Students	1,799,243	74	21.7	18.7
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	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.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.5	19.5	21.3	20.6	20.6
	Black/African American	17.0	17.2	17.7	17.8	17.5
	American Indian/Alaska Native	20.1	18.8	21.8	20.2	20.2
	White	20.7	19.6	21.5	20.7	20.7
	Hispanic/Latino	20.4	19.4	21.2	20.5	20.5
	Asian	22.9	24.2	22.9	23.3	23.5
	Native Hawaiian/Other Pac. Isl.	19.8	18.5	21.6	20.1	20.3
	Two or more races	20.2	19.4	21.1	20.5	20.4
	Prefer not/No Response	19.6	19.2	21.3	20.2	20.2
National	All Students	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7

Total Students in Report: 11,426

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	342	3	83	1	363	3	106	1
	28 to 32	868	8	454	4	1,363	12	562	5
	24 to 27	2,014	18	1,852	16	1,990	17	2,268	20
	20 to 23	3,490	31	2,459	22	3,307	29	3,977	35
	16 to 19	2,313	20	4,648	41	2,630	23	2,975	26
	13 to 15	1,598	14	1,857	16	1,294	11	1,051	9
	01 to 12	801	7	73	1	479	4	487	4
National	33 to 36	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	4,899	43	20.2	20.1	21.2	21.2	20.8
	Females	6,523	57	20.7	19.0	21.4	20.1	20.5
	Missing	4	0	14.3	17.8	17.3	21.8	18.0
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

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	67	38	44	40	24
	Females	71	28	46	29	17
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

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	9,226	74	21.1	37	20.0	49	21.9	38	21.1	23	21.2
	Less than Core	1,962	51	18.1	15	17.4	30	19.2	17	18.6	8	18.4
	Missing ³	238	27	14.8	6	16.0	17	16.9	10	16.7	4	16.2
National	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing	79,912	36	16.0	19	17.8	24	17.5	17	17.7	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	11,026	70	20.7	10,790	34	19.7	10,745	46	21.5	9,803	37	21.0
	Less than Core	170	51	18.1	403	1	15.4	446	32	19.3	1,388	15	18.4
	Missing ³	230	27	14.8	233	6	16.0	235	17	16.9	235	10	16.6
National	Core or More	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	17.8

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

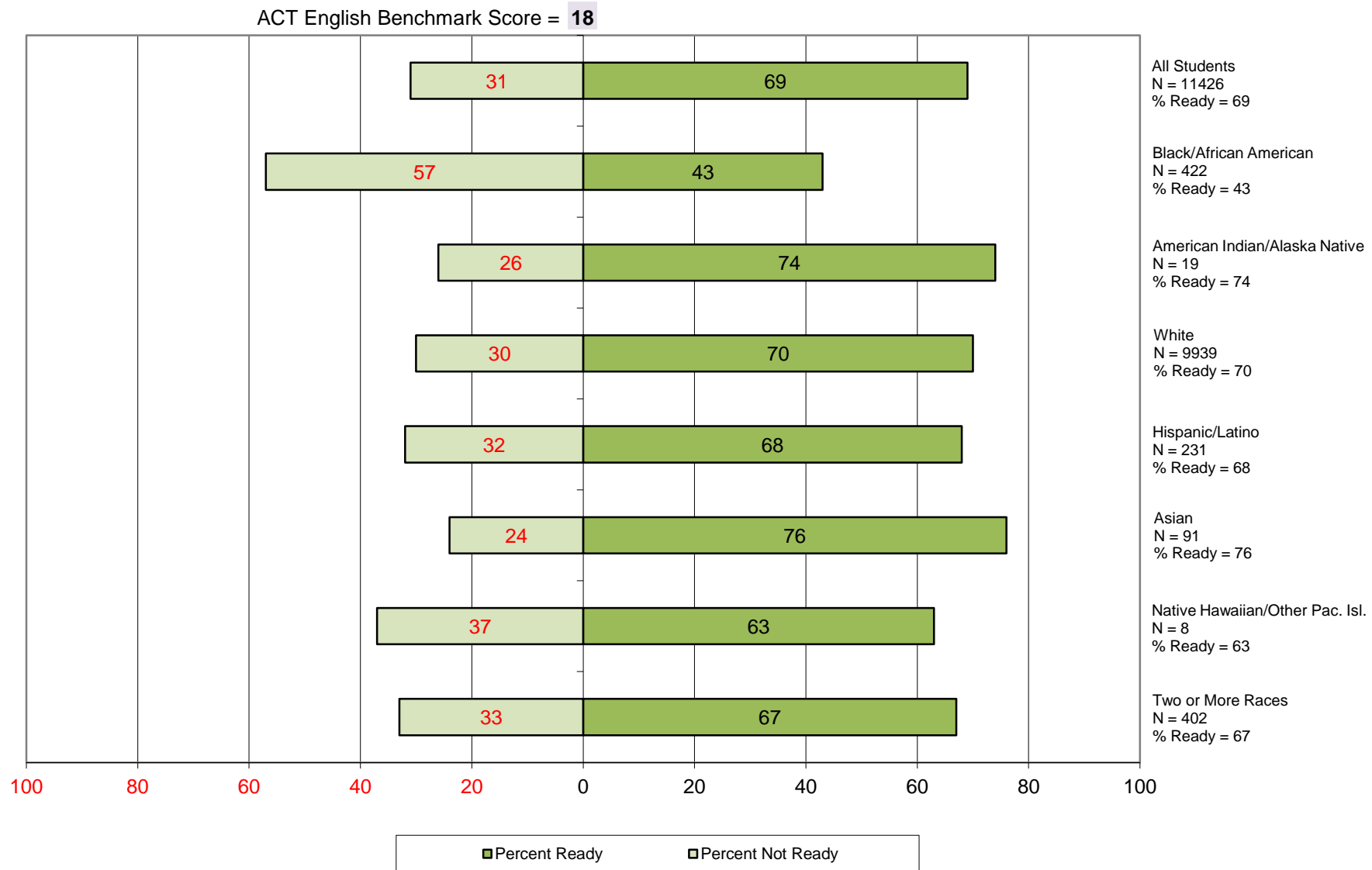


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

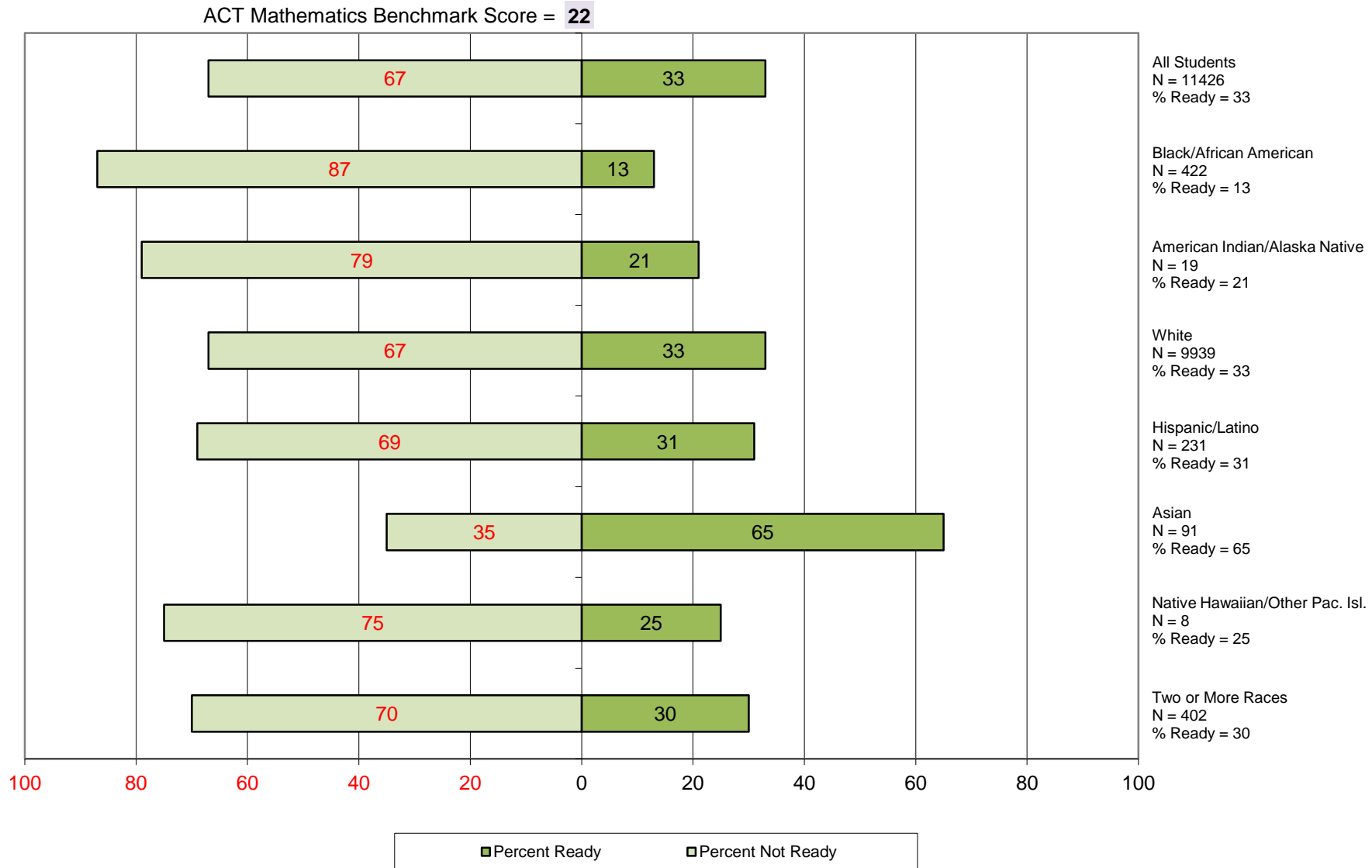


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

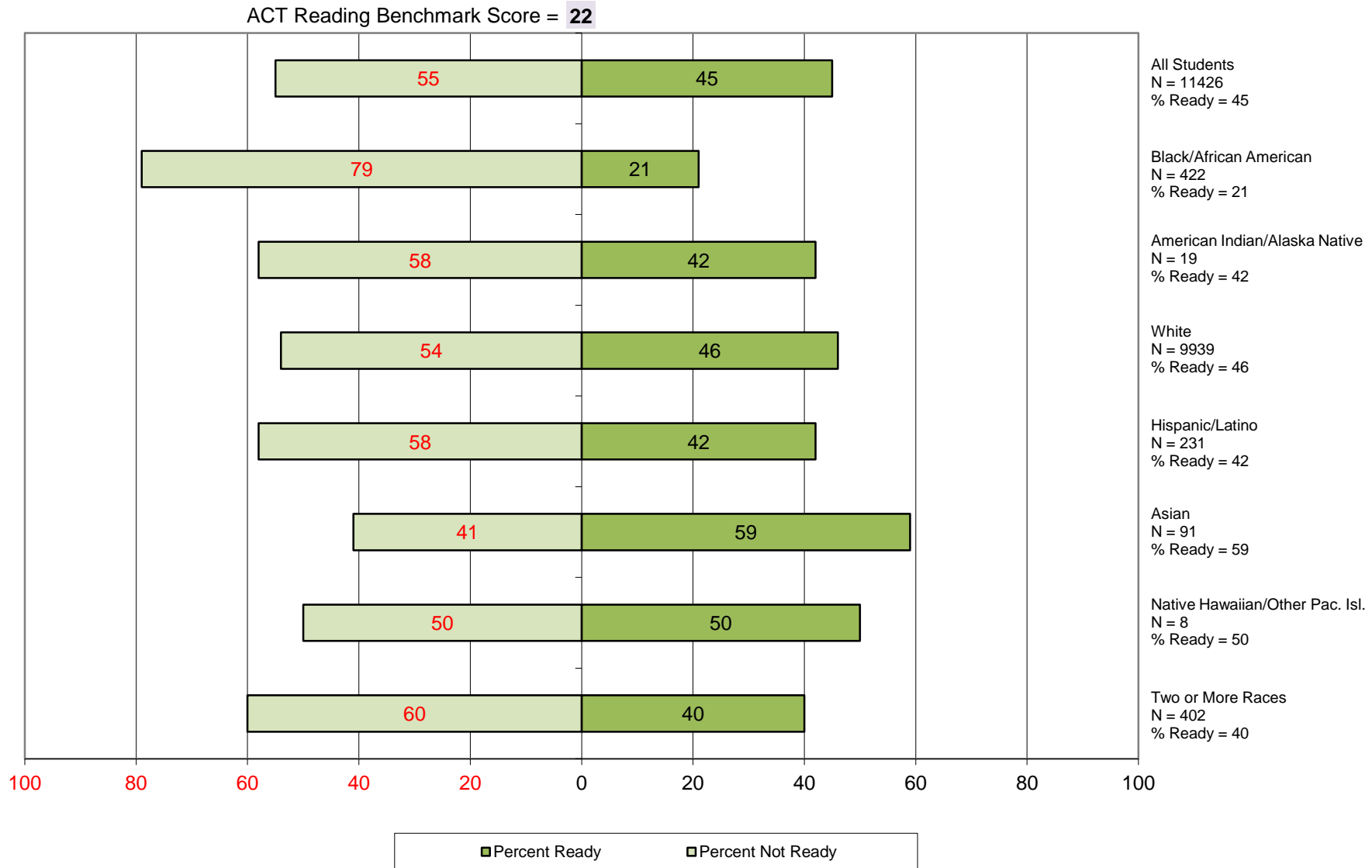


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

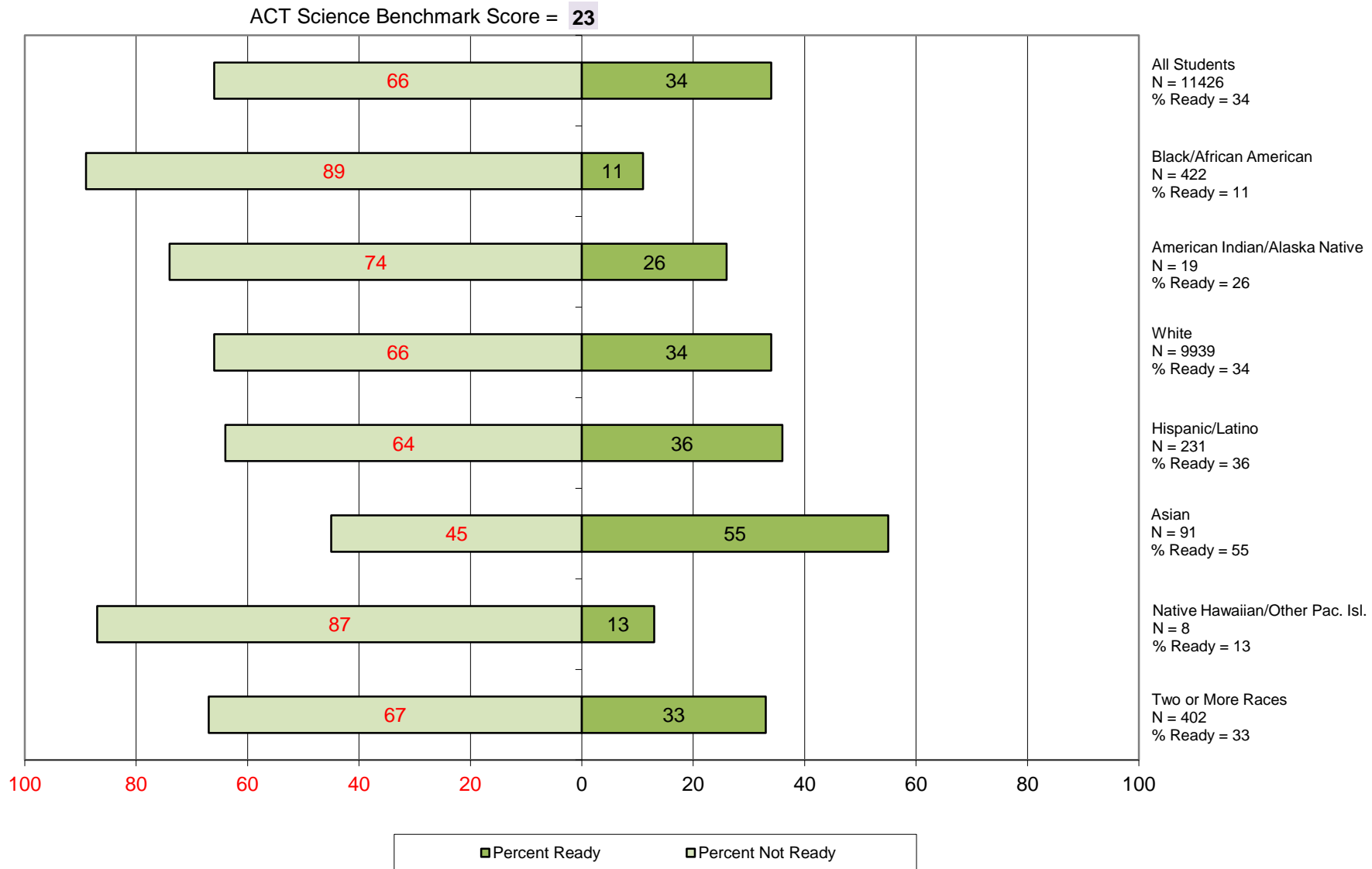
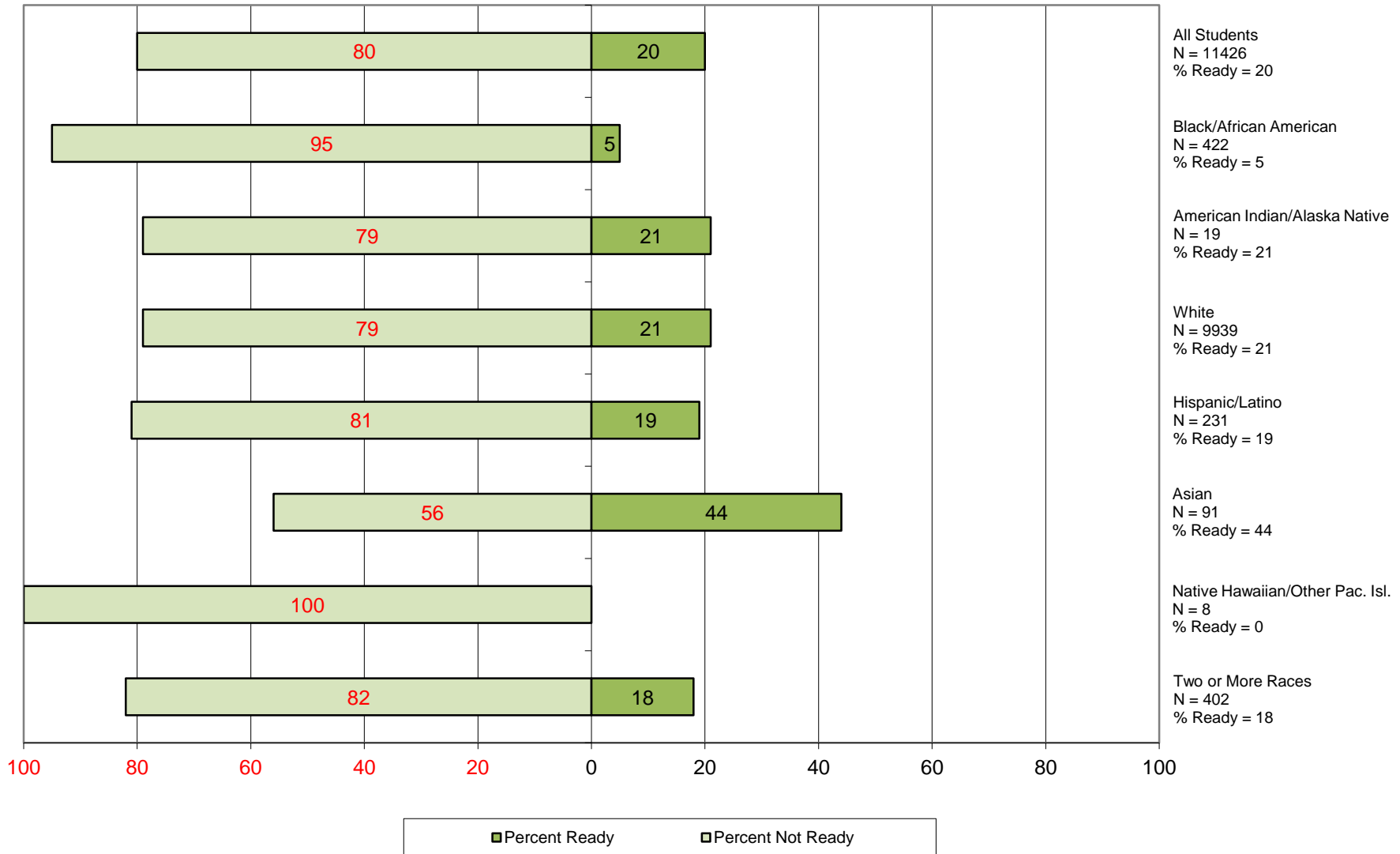


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 11,426

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	2,654	23	21.7	3.6	1,033	21	21.2	4.0	1,621	25	22.0	3.2
Eng 9, Eng 10, Eng 11, Eng 12	8,372	73	20.3	2.2	3,667	75	20.1	2.9	4,703	72	20.5	1.7
Less than 4 years of English	170	1	18.1	-	70	1	17.2	-	98	2	18.8	-
Zero years / no English courses reported	230	2	14.8	-	129	3	14.9	-	101	2	14.6	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	665	6	22.2	6.8	302	6	23.0	7.5	363	6	21.5	6.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,806	16	20.7	5.3	650	13	21.1	5.6	1,156	18	20.4	5.1
Alg 1, Alg 2, Geom, & Trig	1,785	16	18.8	3.4	754	15	19.3	3.8	1,031	16	18.4	3.1
Alg 1, Alg 2, Geom, & Other Adv Math	1,837	16	17.4	2.0	646	13	17.8	2.3	1,191	18	17.3	2.0
Other comb of 4 or more years of Math	3,218	28	22.0	6.6	1,576	32	22.8	7.3	1,642	25	21.3	6.0
Alg 1, Alg 2, & Geom	1,219	11	16.4	1.0	508	10	16.7	1.2	708	11	16.2	0.9
Other comb of 3 or 3.5 years of Math	260	2	17.3	1.9	130	3	17.7	2.2	130	2	16.9	1.6
Less than 3 years of Math	403	4	15.4	-	202	4	15.5	-	200	3	15.3	-
Zero years / no Math courses reported	233	2	16.0	-	131	3	16.1	-	102	2	15.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,998	17	20.9	1.6	892	18	20.7	1.5	1,105	17	21.1	1.7
Other comb of 4 or more years Social Science	4,234	37	22.0	2.7	1,749	36	22.0	2.8	2,485	38	22.0	2.6
US Hist, World Hist, & Am Gov	1,873	16	20.8	1.5	849	17	20.8	1.6	1,024	16	20.9	1.5
Other comb of 3 or 3.5 years of Social Science	2,640	23	21.5	2.2	1,069	22	21.5	2.3	1,569	24	21.5	2.1
Less than 3 years of Social Science	446	4	19.3	-	209	4	19.2	-	236	4	19.4	-
Zero years / no Social Science courses reported	235	2	16.9	-	131	3	16.6	-	104	2	17.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	3,956	35	22.0	3.6	1,943	40	22.8	4.1	2,013	31	21.2	3.1
Bio, Chem, Phys	49	0	20.0	1.6	17	0	23.1	4.4	32	0	18.3	0.2
Gen Sci ² , Bio, Chem	5,510	48	20.3	1.9	2,023	41	20.7	2.0	3,485	53	20.1	2.0
Other comb of 3 years of Natural Science	288	3	19.8	1.4	178	4	20.1	1.4	109	2	19.1	1.0
Less than 3 years of Natural Science	1,388	12	18.4	-	606	12	18.7	-	781	12	18.1	-
Zero years / no Natural Science courses reported	235	2	16.6	-	132	3	16.4	-	103	2	17.0	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 11,426

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	2,654	23	21.7	77	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	8,372	73	20.3	68	1,265,911	70	20.3	65
Less than 4 years of English	170	1	18.1	51	84,048	5	15.9	36
Zero years / no English courses reported	230	2	14.8	27	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	665	6	22.2	58	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,806	16	20.7	44	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	1,785	16	18.8	23	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	1,837	16	17.4	13	336,291	19	19.6	32
Other comb of 4 or more years of Math	3,218	28	22.0	55	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	1,219	11	16.4	5	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	260	2	17.3	11	88,866	5	19.7	34
Less than 3 years of Math	403	4	15.4	1	77,906	4	16.3	7
Zero years / no Math courses reported	233	2	16.0	6	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,998	17	20.9	43	50,989	3	22.2	51
Other comb of 4 or more years Social Science	4,234	37	22.0	50	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	1,873	16	20.8	40	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	2,640	23	21.5	46	489,586	27	21.0	43
Less than 3 years of Social Science	446	4	19.3	32	171,617	10	19.1	32
Zero years / no Social Science courses reported	235	2	16.9	17	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	3,956	35	22.0	46	767,293	43	21.9	46
Bio, Chem, Phys	49	0	20.0	24	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	5,510	48	20.3	31	504,165	28	19.9	28
Other comb of 3 years of Natural Science	288	3	19.8	30	51,822	3	19.1	25
Less than 3 years of Natural Science	1,388	12	18.4	15	218,267	12	18.0	17
Zero years / no Natural Science courses reported	235	2	16.6	10	74,011	4	17.8	18

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: 11,426

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	215	2	19.0	41	5	17.2	170	2	19.4
Architecture	82	1	22.5	4	0	21.0	74	1	22.5
Area, Ethnic, & Multidisciplinary Studies	7	0	24.0	0	0	.	7	0	24.0
Arts: Visual & Performing	534	5	20.9	27	3	19.0	483	5	21.1
Business	790	7	20.3	71	8	16.9	699	7	20.6
Communications	149	1	21.0	3	0	16.3	139	1	21.0
Community, Family, & Personal Services	305	3	18.4	55	6	16.5	240	2	18.9
Computer Science & Mathematics	276	2	21.8	20	2	18.1	249	3	22.1
Education	961	8	19.8	31	3	15.9	898	9	19.9
Engineering	755	7	22.5	40	4	16.8	686	7	22.8
Engineering Technology & Drafting	167	1	19.6	34	4	16.3	128	1	20.6
English & Foreign Languages	113	1	23.4	2	0	21.0	108	1	23.6
Health Administration & Assisting	542	5	18.4	85	9	16.5	440	4	18.7
Health Sciences & Technologies	3,017	26	20.8	242	27	17.9	2,708	27	21.0
Philosophy, Religion, & Theology	44	0	22.8	3	0	21.0	39	0	22.9
Repair, Production, & Construction	112	1	17.6	69	8	16.4	39	0	19.8
Sciences: Biological & Physical	575	5	23.2	14	2	18.6	546	6	23.4
Social Sciences & Law	878	8	21.1	31	3	17.0	826	8	21.4
Undecided	1,630	14	20.4	128	14	17.1	1,394	14	20.7
No Response	272	2	17.1	7	1	14.1	34	0	16.4

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: 11,426

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	161	16.7	9	14.8	2	23.0	141	16.7	2	19.5
2-yr College Degree	746	17.3	14	14.6	1	19.0	698	17.4	12	17.4
Bachelors Degree	6,145	19.8	251	17.0	11	19.5	5,431	20.0	106	19.1
Graduate Study	1,418	22.6	39	19.4	2	19.0	1,239	22.8	34	23.1
Prof. Level Degree	2,345	23.1	83	19.7	3	22.0	1,978	23.2	64	22.6
Other	140	18.1	8	15.0	0	.	117	18.5	4	15.0
No Response	471	19.2	18	15.6	0	.	335	19.9	9	18.9

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	161	16.7	1	15.0	0	.	5	17.0	1	18.0
2-yr College Degree	746	17.3	2	17.0	0	.	11	17.5	8	14.8
Bachelors Degree	6,145	19.8	22	20.2	2	17.0	198	19.3	124	20.2
Graduate Study	1,418	22.6	15	22.3	2	21.5	58	20.9	29	24.3
Prof. Level Degree	2,345	23.1	46	26.1	3	21.0	107	22.8	61	24.0
Other	140	18.1	1	14.0	0	.	5	17.6	5	16.4
No Response	471	19.2	4	23.8	1	22.0	18	21.4	86	16.9

Total Students in Report: 11,426

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	3,929	2,025	1,904	1	6	25	33	26	8	1
MARSHALL UNIVERSITY	West Virginia	2,898	1,302	1,596	1	7	29	34	22	6	0
FAIRMONT STATE UNIVERSITY	West Virginia	1,650	556	1,094	2	12	37	30	17	3	0
CONCORD UNIVERSITY	West Virginia	847	292	555	1	11	34	32	18	4	0
WEST LIBERTY UNIVERSITY	West Virginia	708	294	414	1	7	35	32	20	5	0
SHEPHERD UNIVERSITY	West Virginia	649	286	363	0	6	32	33	22	6	0
WEST VIRGINIA WESLEYAN COLLEGE	West Virginia	569	140	429	1	5	27	31	28	8	0
WEST VIRGINIA STATE UNIVERSITY	West Virginia	544	166	378	3	15	40	29	13	2	0
UNIVERSITY OF CHARLESTON THE	West Virginia	516	115	401	1	9	29	37	19	5	0
GLENVILLE STATE COLLEGE	West Virginia	469	163	306	2	17	38	30	11	2	0
ALDERSON BROADDUS COLLEGE	West Virginia	384	100	284	1	7	31	32	25	5	0
BLUEFIELD STATE COLLEGE	West Virginia	347	131	216	2	16	42	32	7	1	0
POTOMAC STATE COLLEGE OF WVU	West Virginia	332	149	183	2	16	42	27	11	2	0
WEST VIRGINIA UNIV INST OF TECHNOLOGY	West Virginia	317	99	218	2	15	31	31	18	3	0
NCAA ELIGIBILITY CENTER	Indiana	305	101	204	1	9	34	35	17	3	0
WEST VIRGINIA UNIVERSITY AT PARKERSBURG	West Virginia	300	159	141	2	15	39	31	11	2	0
DAVIS & ELKINS COLLEGE	West Virginia	279	88	191	0	8	37	35	16	4	0
OHIO STATE UNIVERSITY THE	Ohio	222	50	172	0	5	20	27	30	15	3
UNIVERSITY OF KENTUCKY	Kentucky	202	34	168	2	6	18	28	31	15	0
PIERPONT COMMUNITY & TECHNICAL COLLEGE	West Virginia	200	73	127	4	23	48	21	6	0	0
WHEELING JESUIT UNIVERSITY	West Virginia	175	33	142	2	3	26	31	33	6	0
SOUTHERN WEST VIRGINIA C TECH C-LOGAN	West Virginia	159	75	84	1	17	38	28	13	3	0
VIRGINIA TECH	Virginia	144	19	125	1	1	19	22	33	24	1
OHIO UNIVERSITY	Ohio	143	19	124	0	6	17	36	29	11	1
BRIDGEMONT COMMUNITY & TECHNICAL COLL	West Virginia	142	66	76	5	24	37	27	5	2	0
BETHANY COLLEGE	West Virginia	140	28	112	2	5	26	29	27	10	1
NEW RIVER COMMUNITY AND TECHNICAL COLL	West Virginia	124	46	78	1	26	40	24	9	1	0
BLUE RIDGE COMM AND TECH COLL	West Virginia	113	55	58	3	17	43	24	12	2	0
MOUNTWEST COMMUNITY & TECHNICAL COLLEGE	West Virginia	113	32	81	4	25	38	21	11	1	0
WEST VIRGINIA HIGHER EDUC GRANT PROGRAM	West Virginia	109	31	78	3	9	24	35	21	8	0
All Other Institutions		5,117	1,238	3,879	2	8	24	27	25	12	2
Total		22,146	7,965	14,181	1	9	29	31	22	7	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: 11,426

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	2,148	942,769	22.5	21.3	6.7	7.0	21.1	20.5
Black/African American	91	114,751	18.0	16.3	5.8	6.1	16.9	16.0
American Indian/Alaska Native	6	6,031	20.2	16.8	6.8	6.1	19.5	16.4
White	1,774	518,407	22.6	22.9	6.7	7.2	21.2	21.9
Hispanic/Latino	65	151,504	23.4	18.6	6.8	6.8	21.8	18.3
Asian	40	54,580	26.2	23.5	7.3	7.6	24.3	22.7
Native Hawaiian/Other Pac. Isl.	1	2,812	15.0	19.5	6.0	6.9	15.0	19.2
Two or more races	93	35,355	22.0	21.5	6.6	7.0	20.7	20.6
Prefer not/No Response	78	59,329	22.7	21.8	6.8	7.1	21.3	20.9
Males	922	423,104	22.2	21.0	6.4	6.7	20.6	20.1
Females	1,226	513,945	22.7	21.6	6.9	7.2	21.4	20.9
Missing	0	5,720	.	16.6	.	6.3	.	16.5

