



Profile Report - State

Graduating Class 2018

Virginia



New to your 2018 Profile Report

Though ACT will continue to report English, mathematics, reading, and science subject scores, beginning in September 2016, subscores such as rhetorical skills and arts/literature will be omitted. Instead, a comprehensive set of reporting categories aligned with ACT College and Career Readiness Standards and other standards that target college and career readiness will be included. This change will make it easier for students, parents, and educators to gain deeper insight into students' performance and better understand strengths and areas for improvement in each subject.

In this report, reporting category outcomes indicate the percentage of students with reporting category scores falling within associated ACT Readiness Ranges. These ranges reflect where a student who has met an associated ACT College Readiness Benchmark would typically perform in each reporting category.

This report includes percentage of students meeting/exceeding the ACT College Readiness Benchmark for English Language Arts (ELA). This benchmark reflects a score of 20.

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We are pleased to provide this 2018 Graduating Class ACT Profile Report. This report summarizes the preparation and performance of your 2018 graduates who took the ACT as sophomores, juniors, or seniors under standard- or extended-time conditions and achieved a college reportable composite score. The most recent set of test information is used in your report for students testing more than once.

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, STEM, and (optional) ELA and writing
- 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 and Career 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. College and Career Readiness Standards to the Classroom interpretive guides can be found at www.act.org/content/act/en/education-and-career-planning/college-and-career-readiness-standards.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, Biology, STEM and ELA. These scores were empirically derived based on the actual performance of students in college.

College Course/Course Area	ACT Score	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23
STEM	STEM	26
ELA	ELA	20

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

45% 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: 21,645 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. 90% 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 3.8 reports 2% of the cohort took less than three years of math courses. Of these students, 6% were college ready. 6% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 11% of these students were college ready. In comparison, 65% 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 3.8 reports 4% of the cohort took less than three years of natural science courses. 21% of these students were college ready. In comparison, 58% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 3.1 reports the percentage of students falling in each of the ACT College and Career Readiness Standards score ranges. For example, approximately 31% 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 and Career Readiness Standards at www.act.org/content/act/en/education-and-career-planning/college-and-career-readiness-standards.html.

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 319-337-1365 or customerservices@act.org.

Section I

Executive Summary

Figure 1.1. Average Composite Scores: 5 Years of Testing*

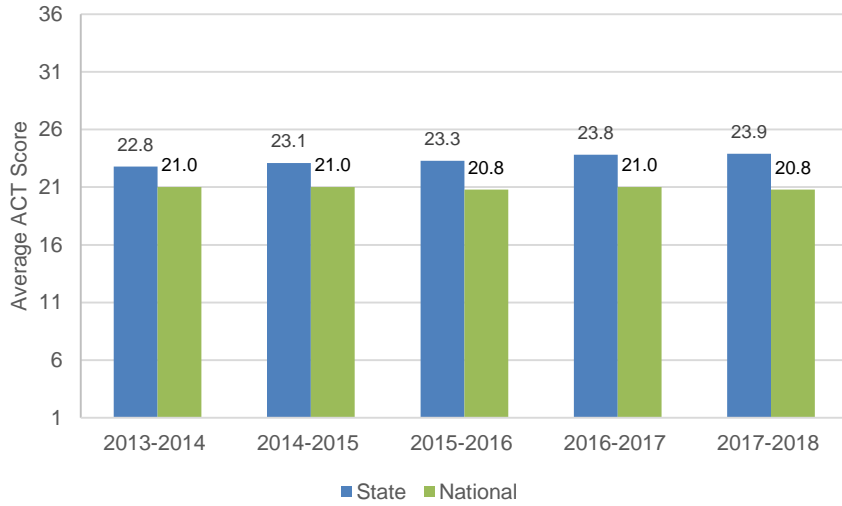


Figure 1.2. Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing*

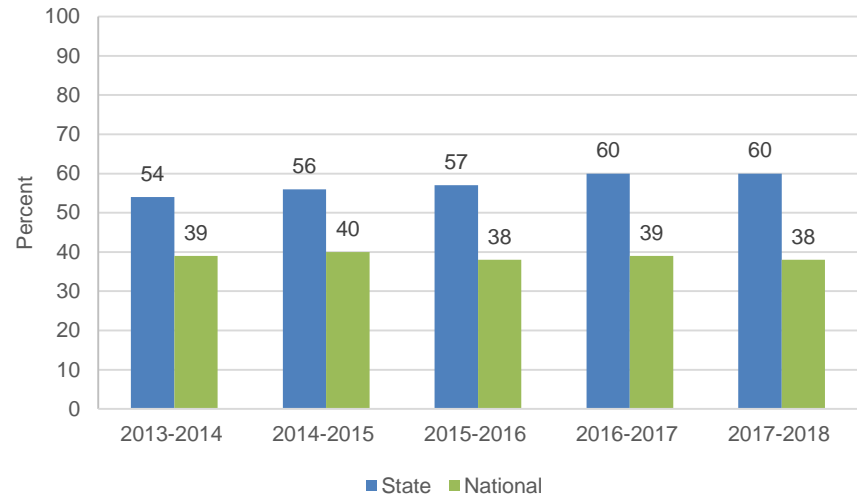


Figure 1.3. Percent Meeting STEM Benchmark: 5 Years of Testing*

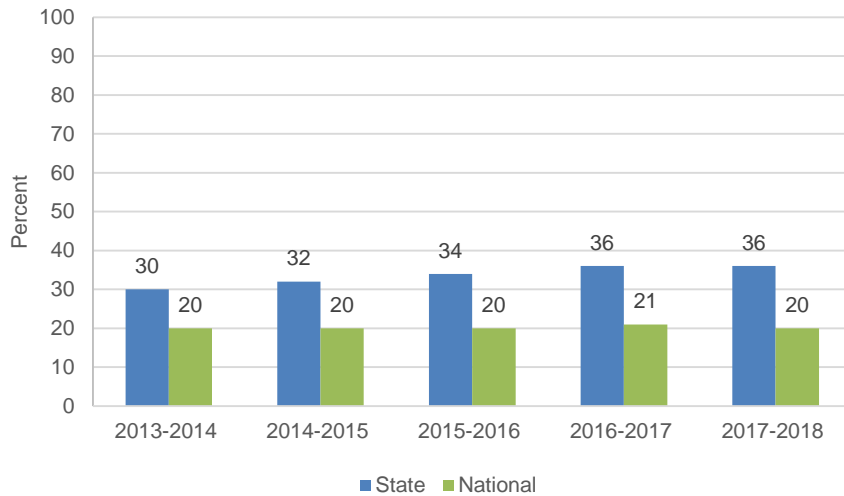
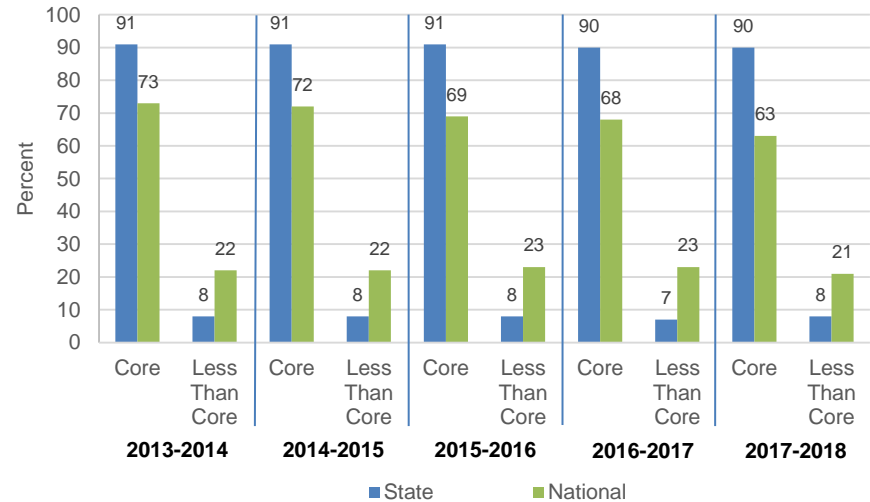


Figure 1.4. Percent Taking A Core Curriculum: 5 Years of Testing*



* Missing columns in above graphs reflect years in which no students were tested.

Total Students in Report: 21,645

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
	State	National	English		Mathematics		Reading		Science		Met All Four	
			State	National	State	National	State	National	State	National	State	National
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
2016	25,866	2,090,342	78	61	59	41	63	44	53	36	43	26
2017	25,518	2,030,038	80	61	60	41	67	47	56	37	45	27
2018	21,645	1,914,817	80	60	60	40	66	46	57	36	45	27

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
			State	National	State	National	State	National	State	National	State	National
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
2016	25,866	2,090,342	22.9	20.1	22.9	20.6	24.0	21.3	23.1	20.8	23.3	20.8
2017	25,518	2,030,038	23.5	20.3	23.3	20.7	24.6	21.4	23.5	21.0	23.8	21.0
2018	21,645	1,914,817	23.8	20.2	23.3	20.5	24.7	21.3	23.5	20.7	23.9	20.8

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2016	2,090,342	20.1	20.6	21.3	20.8	20.8
2017	2,030,038	20.3	20.7	21.4	21.0	21.0
2018	1,914,817	20.2	20.5	21.3	20.7	20.8

Total Students in Report: 21,645

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
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
2016	23,440	2,130	91	8	23.3	18.8	23.2	19.4	24.4	20.2	23.4	19.7	23.7	19.7
2017	22,905	1,894	90	7	24.0	19.8	23.6	20.2	25.0	21.1	23.8	20.3	24.2	20.5
2018	19,473	1,674	90	8	24.2	19.6	23.6	19.9	25.0	20.8	23.8	20.2	24.3	20.2

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

Race/Ethnicity	2014			2015			2016			2017			2018		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	22,977	100	22.8	25,038	100	23.1	25,866	100	23.3	25,518	100	23.8	21,645	100	23.9
Black/African American	3,969	17	17.9	4,011	16	18.3	4,329	17	18.4	3,626	14	19.0	3,238	15	18.9
American Indian/Alaska Native	66	0	20.6	75	0	21.2	62	0	22.6	46	0	21.2	33	0	20.6
White	13,202	57	24.0	14,379	57	24.2	14,629	57	24.4	14,207	56	24.9	11,946	55	24.9
Hispanic/Latino	1,652	7	21.9	1,937	8	22.1	1,935	7	22.4	2,087	8	22.4	1,760	8	22.6
Asian	1,515	7	25.0	1,847	7	25.7	1,922	7	26.1	2,189	9	26.7	1,965	9	26.7
Native Hawaiian/Other Pacific Islander	47	0	22.9	59	0	23.0	48	0	23.5	52	0	23.2	25	0	24.8
Two or more races	1,107	5	22.8	1,186	5	23.3	1,278	5	23.2	1,340	5	23.7	1,257	6	24.1
Prefer not to respond/No response	1,419	6	24.0	1,544	6	24.2	1,663	6	24.3	1,971	8	23.7	1,421	7	24.8

Total Students in Report: 21,645

Table 1.6. Five Year Trends—Achievement in STEM¹

Year	All Tested Students						Students Meeting STEM Benchmarks			
	Number of Students Tested		Avg. STEM Score		Percent Meeting STEM Benchmark		Avg. Mathematics Score		Avg. Science Score	
	State	National	State	National	State	National	State	National	State	National
2014	22,977	1,845,787	22.8	21.1	30	20	28.9	28.7	28.4	28.3
2015	25,038	1,924,436	23.0	21.1	32	20	28.9	28.7	28.6	28.4
2016	25,866	2,090,342	23.2	20.9	34	20	28.8	28.7	28.9	28.6
2017	25,518	2,030,038	23.6	21.1	36	21	29.1	28.7	29.0	28.7
2018	21,645	1,914,817	23.7	20.9	36	20	29.1	28.8	29.2	28.8

¹The STEM score describes students' overall proficiency in mathematics and science.

Table 1.7. Proficiency In Understanding Complex Texts¹

Year	Text Complexity Proficiency Level																	
	Below Proficient						Proficient						Above Proficient					
	N		Percent		Avg. Reading		N		Percent		Avg. Reading		N		Percent		Avg. Reading	
State	National	State	National	State	National	State	National	State	National	State	National	State	National	State	National	State	National	
2014	0	0	.	.	.	.	0	0	.	.	.	.	0	0	.	.	.	.
2015	0	0	.	.	.	.	0	0	.	.	.	.	0	0	.	.	.	.
2016	6,699	485,762	26	23	17.0	17.0	5,852	322,548	23	15	23.8	23.6	5,482	235,380	21	11	30.6	30.3
2017	7,860	999,708	31	49	17.1	16.2	8,213	596,096	32	29	24.0	23.4	9,356	427,075	37	21	31.3	30.8
2018	7,119	1,010,339	33	53	17.4	16.3	6,416	492,937	30	26	24.0	23.6	8,110	411,541	37	21	31.5	31.0

¹The text complexity indicator, beginning in Fall 2015, represents students' progress toward understanding complex written material often encountered in college and careers.

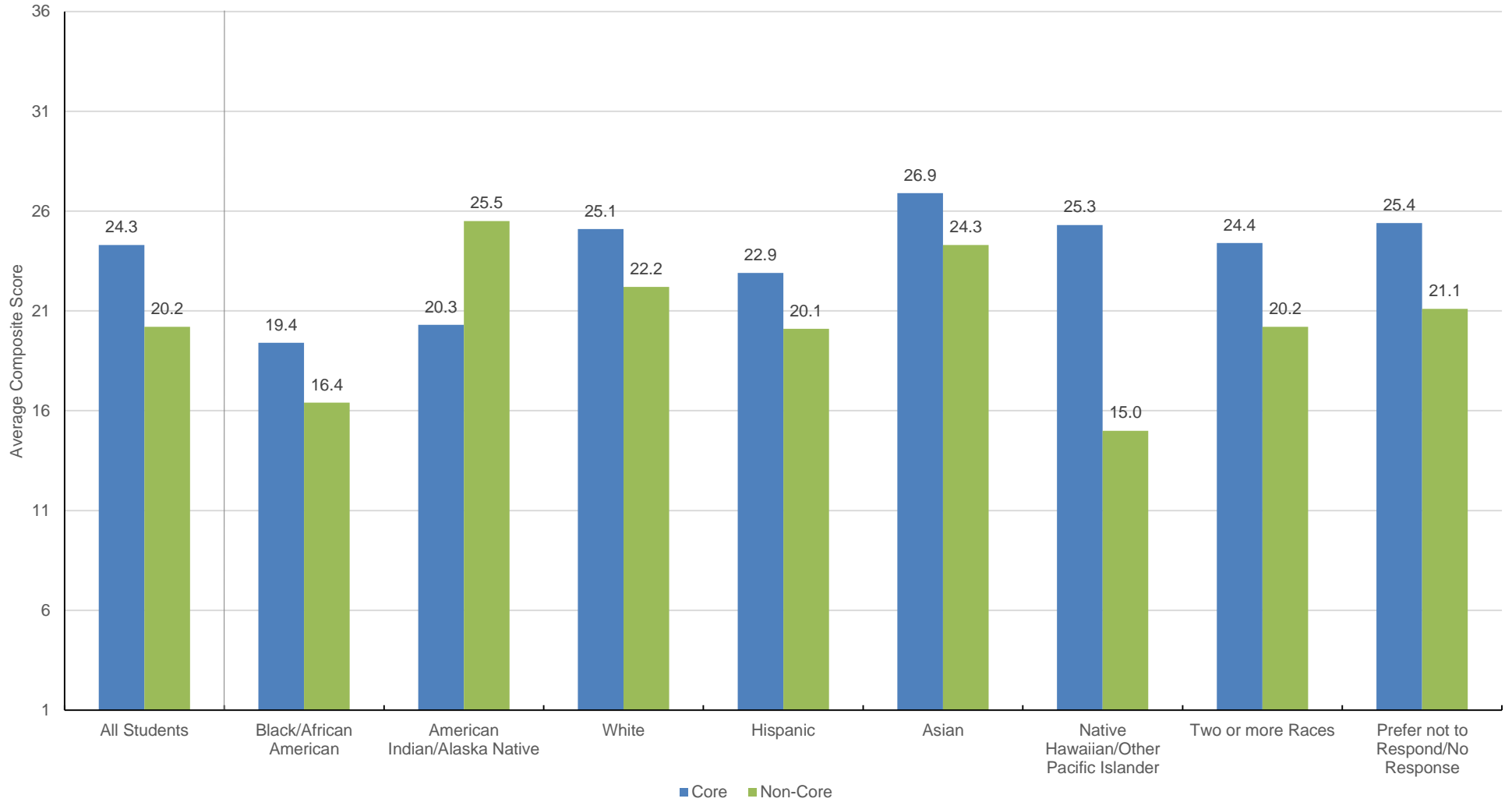
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Section II

Academic Achievement

Total Students in Report: 21,645

Figure 2.1. Average ACT Composite Scores by Race and Core Curriculum Status*



*Missing columns reflect combinations of race/ethnicity and core course-taking status in which one or both indicators are missing.

Total Students in Report: 21,645

Table 2.1. ACT Score Distributions, Cumulative Percents (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		STEM		ELA ²		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
36	470	100	167	100	586	100	393	100	95	100	211	100	1	100	36
35	1,254	98	464	99	954	97	412	98	405	99	335	99	23	99	35
34	877	92	385	97	1,075	93	518	96	509	98	384	97	103	99	34
33	563	88	374	95	982	88	536	94	655	95	486	96	204	99	33
32	586	85	409	94	1,076	83	246	91	740	92	579	93	340	96	32
31	565	83	576	92	876	78	679	90	834	89	612	91	510	92	31
30	564	80	693	89	970	74	727	87	861	85	745	88	570	86	30
29	662	77	850	86	481	70	670	84	1,033	81	826	85	579	79	29
28	590	74	1,167	82	915	68	814	81	1,029	76	1,002	81	535	73	28
27	987	72	1,519	77	736	63	879	77	1,182	72	1,178	76	506	66	27
26	994	67	1,583	69	880	60	1,081	73	1,231	66	1,477	71	533	61	26
25	1,173	63	1,398	62	834	56	1,755	68	1,293	60	1,621	64	561	54	25
24	1,511	57	1,283	56	1,202	52	1,630	60	1,380	54	1,485	56	509	48	24
23	1,411	50	1,171	50	1,367	47	1,911	52	1,371	48	1,401	49	496	42	23
22	1,356	44	980	44	1,328	40	1,578	43	1,347	42	1,266	43	477	36	22
21	1,257	37	737	40	1,061	34	1,499	36	1,271	35	1,302	37	432	30	21
20	1,121	32	1,150	36	1,018	29	1,062	29	1,167	30	1,289	31	413	25	20
19	790	26	844	31	996	25	1,228	24	1,064	24	1,266	25	338	20	19
18	622	23	1,411	27	749	20	979	19	1,006	19	1,163	19	275	16	18
17	673	20	1,504	21	886	16	851	14	878	15	1,056	14	271	13	17
16	841	17	1,430	14	586	12	702	10	770	11	804	9	229	10	16
15	807	13	811	7	534	10	448	7	617	7	535	5	179	7	15
14	563	9	528	3	537	7	340	5	445	4	352	3	149	5	14
13	394	7	138	1	373	5	289	3	245	2	165	1	102	4	13
12	328	5	49	1	294	3	159	2	148	1	74	1	59	2	12
11	286	3	14	1	173	2	108	1	41	1	18	1	64	2	11
10	232	2	3	1	74	1	78	1	15	1	6	1	36	1	10
9	91	1	2	1	55	1	38	1	5	1	2	1	26	1	9
8	35	1	1	1	22	1	15	1	6	1	2	1	11	1	8
7	23	1	2	1	10	1	13	1	2	1	1	1	4	1	7
6	11	1	0	1	4	1	2	1	0	1	2	1	2	1	6
5	5	1	0	1	4	1	2	1	0	1	0	1	0	1	5
4	3	1	2	1	5	1	1	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	0	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	0	1	0	1	1
Avg (SD)	23.8 (6.8)		23.3 (5.7)		24.7 (6.7)		23.5 (5.6)		23.9 (5.7)		23.7 (5.4)		24.3 (5.6)		Avg (SD)

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

² ELA scores are derived only for students with a valid writing score.

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

Figure 2.2. English Reporting Categories¹

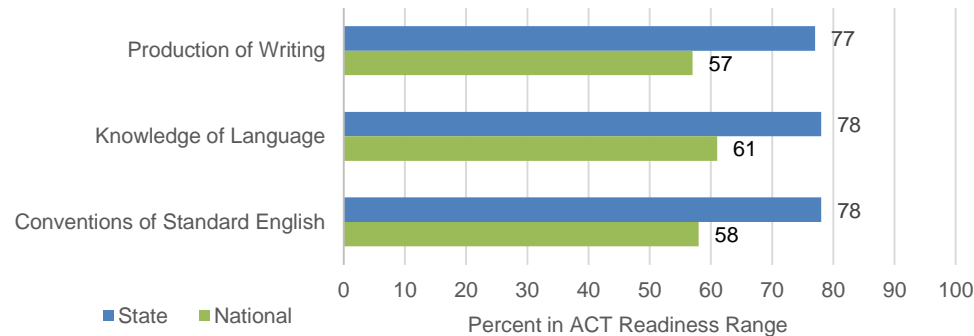


Figure 2.3. Math Reporting Categories¹

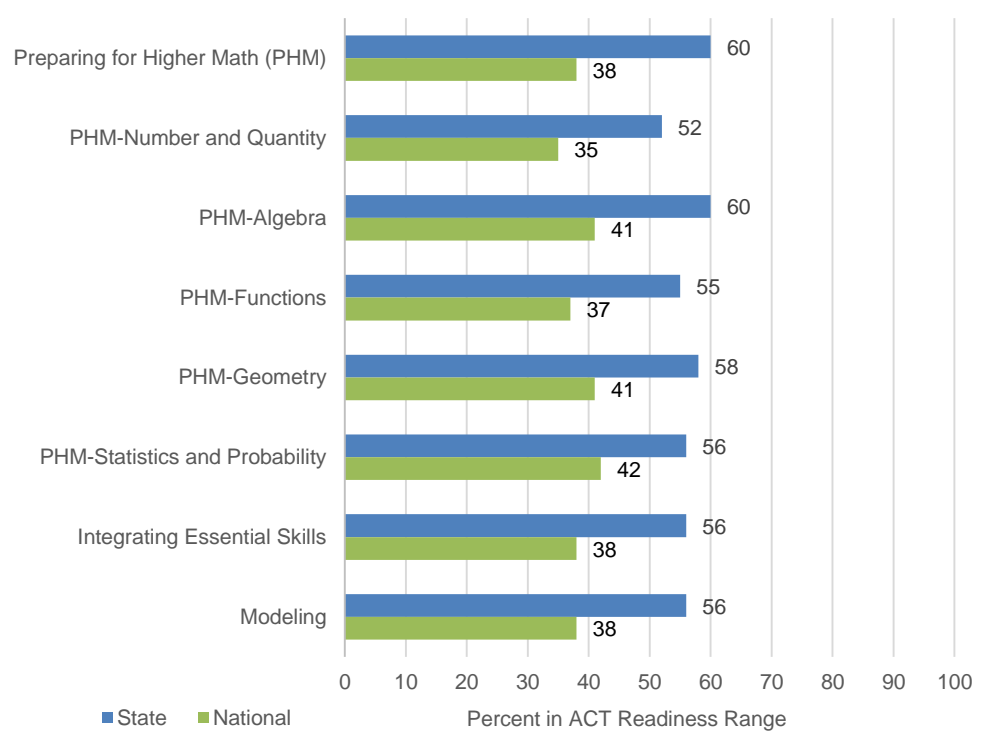


Figure 2.4. Reading Reporting Categories¹

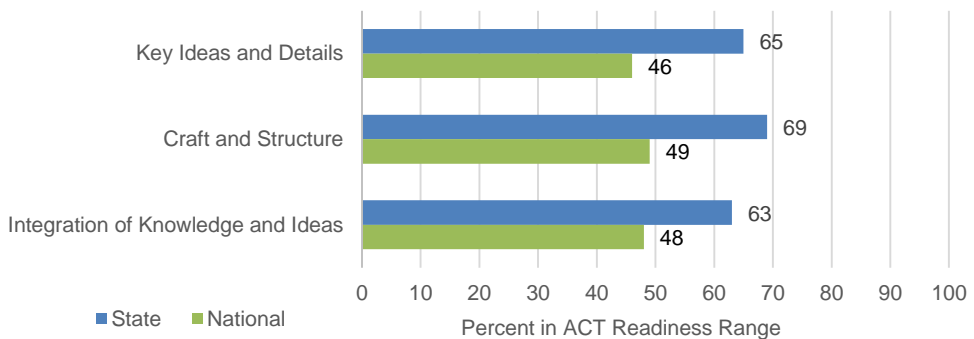
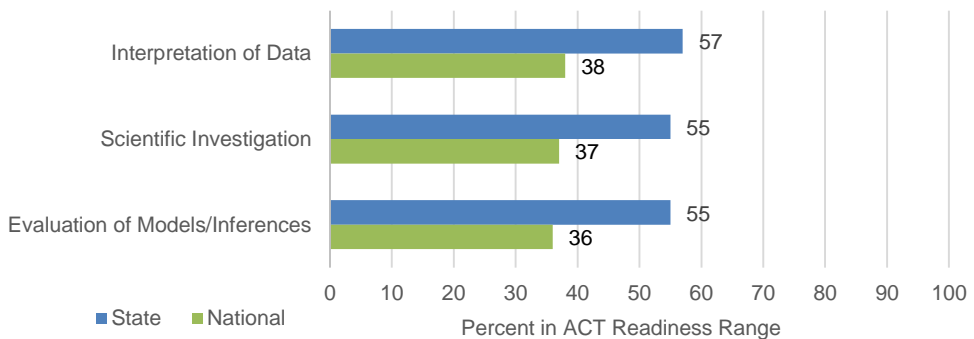


Figure 2.5. Science Reporting Categories¹



The charts on this page show the percent of students whose reporting category scores fall within associated ACT Readiness Ranges. ACT Readiness Ranges reflect where a student who has met a particular subject area's ACT College Readiness Benchmark would typically perform within the associated reporting category.

¹ Reporting Categories are reported only for testing events beginning September 2016.

Total Students in Report: 21,645

Table 2.2. 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	21,645	90	24.3	20.2
	Black/African American	3,238	83	19.4	16.4
	American Indian/Alaska Native	33	94	20.3	25.5
	White	11,946	93	25.1	22.2
	Hispanic/Latino	1,760	91	22.9	20.1
	Asian	1,965	94	26.9	24.3
	Native Hawaiian/Other Pacific Islander	25	96	25.3	15.0
	Two or More Races	1,257	92	24.4	20.2
	Prefer not/No Response	1,421	72	25.4	21.1
National	All Students	1,914,817	63	22.2	19.0
	Black/African American	243,080	58	17.9	15.9
	American Indian/Alaska Native	15,449	51	18.5	16.4
	White	996,712	67	23.4	20.2
	Hispanic/Latino	307,358	63	19.9	17.5
	Asian	91,899	75	25.4	22.8
	Native Hawaiian/Other Pacific Islander	5,753	53	20.0	16.6
	Two or More Races	85,316	64	22.3	19.4
	Prefer not/No Response	169,250	36	22.6	18.1

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 2.3. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
Black/African American	3,238	15	18.1	18.6	19.4	19.0	18.9	19.0	
American Indian/Alaska Native	33	0	20.3	19.1	21.6	20.5	20.6	20.1	
White	11,946	55	24.9	24.0	25.8	24.4	24.9	24.5	
Hispanic/Latino	1,760	8	22.2	22.0	23.5	22.4	22.6	22.4	
Asian	1,965	9	26.6	27.4	26.4	26.0	26.7	26.9	
Native Hawaiian/Other Pacific Islander	25	0	24.5	23.6	25.4	25.5	24.8	24.8	
Two or More Races	1,257	6	24.0	23.2	25.1	23.5	24.1	23.6	
Prefer not/No Response	1,421	7	24.6	24.0	25.7	24.3	24.8	24.4	
National	All Students	1,914,817	100	20.2	20.5	21.3	20.7	20.8	20.9
	Black/African American	243,080	13	15.8	16.9	17.3	17.1	16.9	17.3
	American Indian/Alaska Native	15,449	1	15.9	17.4	17.7	17.7	17.3	17.8
	White	996,712	52	21.9	21.7	22.8	22.0	22.2	22.1
	Hispanic/Latino	307,358	16	17.8	18.8	19.3	18.9	18.8	19.1
	Asian	91,899	5	24.1	25.1	24.2	24.1	24.5	24.9
	Native Hawaiian/Other Pacific Islander	5,753	0	17.2	18.4	18.3	18.3	18.2	18.6
	Two or More Races	85,316	4	20.6	20.6	21.8	20.9	21.1	21.0
	Prefer not/No Response	169,250	9	19.0	19.6	20.3	19.8	19.8	19.9

Total Students in Report: 21,645

Table 2.4. Average ACT Composite Scores for Gender by Level of Preparation

Student Group	Gender	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	Males	9,588	89	24.6	19.5
	Females	12,057	91	24.0	20.8
	No Response	0	.	.	.
National	Males	893,610	61	22.4	18.6
	Females	991,975	66	22.0	19.3
	No Response	29,232	13	18.6	16.6

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 Gender

Student Group	Gender	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
State	Males	9,588	44	23.4	24.1	24.4	24.0	24.1	24.3
	Females	12,057	56	24.0	22.6	24.8	23.1	23.8	23.1
	No Response	0	0	.	.	.	.	.	.
National	Males	893,610	47	19.7	20.9	21.0	20.9	20.8	21.2
	Females	991,975	52	20.7	20.2	21.7	20.6	20.9	20.7
	No Response	29,232	2	16.6	17.6	17.9	17.8	17.6	18.0

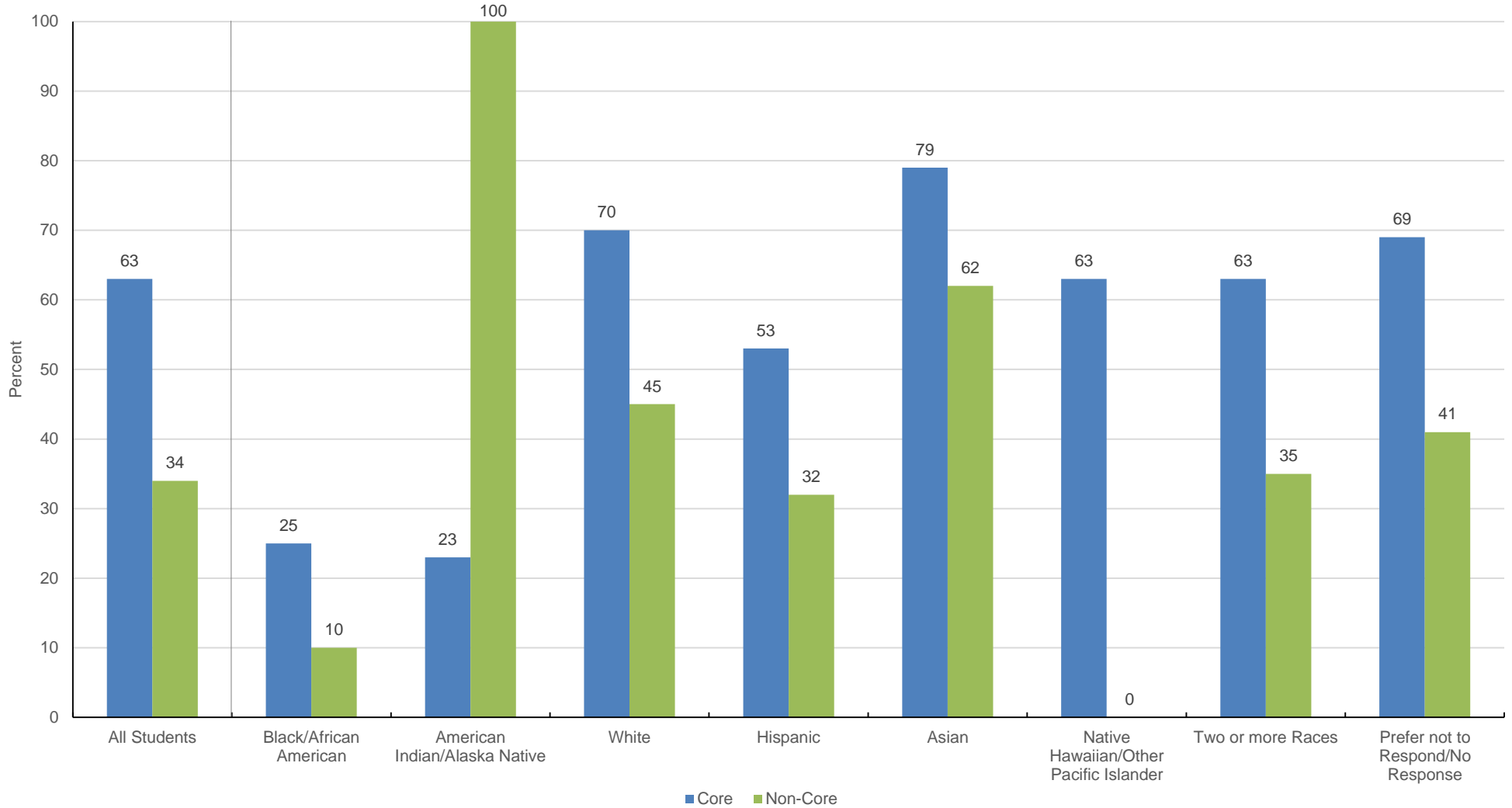
Table 2.6. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	29	27	31	27	28
Q2 (50th Percentile)	23	24	24	23	24
Q1 (25th Percentile)	19	18	20	20	20

Section III

College and Career Readiness and the Impact of Course Rigor

Figure 3.1. Percent of Students Meeting 3 or 4 College Readiness Benchmarks by Core College Curriculum Status*



*Missing columns reflect combinations of race/ethnicity and core course-taking status in which one or both indicators are missing.

Total Students in Report: 21,645

Table 3.1. Percent of Students in College and Career Readiness Standards (CCRS) Score Ranges

Student Group	CCRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	3,164	15	1,390	6	3,597	17	1,859	9
	28 to 32	2,967	14	3,695	17	4,318	20	3,136	14
	24 to 27	4,665	22	5,783	27	3,652	17	5,345	25
	20 to 23	5,145	24	4,038	19	4,774	22	6,050	28
	16 to 19	2,926	14	5,189	24	3,217	15	3,760	17
	13 to 15	1,764	8	1,477	7	1,444	7	1,077	5
	01 to 12	1,014	5	73	0	643	3	418	2
National	33 to 36	143,563	7	58,709	3	156,351	8	75,063	4
	28 to 32	154,254	8	177,068	9	232,703	12	154,978	8
	24 to 27	282,672	15	353,837	18	260,556	14	331,549	17
	20 to 23	411,089	21	324,319	17	433,162	23	513,463	27
	16 to 19	344,616	18	621,963	32	405,666	21	489,899	26
	13 to 15	304,484	16	357,972	19	257,877	13	232,220	12
	01 to 12	274,139	14	20,949	1	168,502	9	117,645	6

Table 3.2. 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	78	65	65	60	48
	Females	82	56	67	54	43
	No Response	.	.	.	.	.
National	Males	57	43	44	38	28
	Females	64	37	48	35	26
	No Response	38	18	25	17	10

Total Students in Report: 21,645

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

Student Group	Race/Ethnicity	N	English %	Mathematics %	Reading %	Science %	All Four %	STEM %
State	All Students	21,645	80	60	66	57	45	36
	Black/African American	3,238	48	23	33	21	13	8
	American Indian/Alaska Native	33	64	24	55	27	18	6
	White	11,946	88	67	73	64	52	41
	Hispanic/Latino	1,760	74	51	61	47	36	27
	Asian	1,965	89	84	76	73	64	59
	Native Hawaiian/Other Pacific Islander	25	88	56	68	68	48	36
	Two or More Races	1,257	83	60	68	56	45	34
	Prefer Not to Respond	1,421	82	64	71	61	51	42
National	All Students	1,914,817	60	40	46	36	27	20
	Black/African American	243,080	32	13	20	11	6	3
	American Indian/Alaska Native	15,449	32	15	23	15	8	5
	White	996,712	72	49	56	46	34	26
	Hispanic/Latino	307,358	46	26	33	22	15	10
	Asian	91,899	77	69	62	59	49	46
	Native Hawaiian/Other Pacific Islander	5,753	41	24	27	21	14	10
	Two or More Races	85,316	63	39	48	37	27	20
	Prefer Not to Respond	169,250	50	32	39	31	23	18

Table 3.4. Likely ACT National Career Readiness Certificate (NCRC) Level Based Upon ACT Composite Score¹

Student Group	ACT NCRC Level ²	N	%	Average Composite
State	Gold or Higher	9,867	46	29.1
	Silver	9,484	44	20.8
	Bronze	2,077	10	14.9
	Needs Improvement	217	1	11.4
National	Gold or Higher	499,653	26	28.6
	Silver	893,864	47	20.3
	Bronze	444,856	23	14.6
	Needs Improvement	76,444	4	11.5

¹ The ACT Composite scores associated with a 50% chance of earning each ACT NCRC level or higher are: 13 for Bronze, 17 for Silver, 25 for Gold, and 35 for Platinum. Based on those cut scores, students who earned an ACT Composite score of less than 13 would be classified as 'Needs Improvement', 13 to 16 as 'Bronze', 17 to 24 as 'Silver', and 25 or above as 'Gold or Higher' in the table above. For comparison, individual student score reports classify those who scored 12-13, 14-17, and 18 and higher as making progress toward Bronze, Silver, and Gold certificates.

² Additional information on the ACT NCRC can be found at www.act.org.

Total Students in Report: 21,645

Table 3.5. College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite ⁴		STEM	
			%	Avg	%	Avg	%	Avg	%	Avg	%	Avg	%	Avg
State	Core or More ²	19,473	83	24.2	63	23.6	68	25.0	59	23.8	47	24.3	38	24.0
	Less than Core	1,674	54	19.6	34	19.9	42	20.8	32	20.2	24	20.2	18	20.3
	Missing ³	498	70	22.1	47	21.6	66	24.8	52	23.1	39	23.1	33	22.6
National	Core or More	1,200,072	70	21.8	49	21.7	54	22.7	45	21.9	34	22.2	26	22.1
	Less than Core	402,680	46	18.1	26	18.8	34	19.4	24	19.0	16	19.0	12	19.2
	Missing	312,065	38	16.7	22	18.1	28	18.3	20	18.2	13	18.0	9	18.4

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 College Readiness Benchmark % results reflect students who met all four subject-area benchmarks.

Table 3.6. College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
State	Core or More ²	20,909	81	23.8	20,741	62	23.5	20,609	66	24.7	20,241	58	23.8
	Less than Core	251	64	20.7	416	6	16.0	546	57	23.2	912	21	18.5
	Missing ³	485	71	22.3	488	48	21.7	490	66	24.9	492	53	23.2
National	Core or More	1,527,131	66	21.1	1,528,137	45	21.2	1,430,773	51	22.1	1,389,989	43	21.7
	Less than Core	91,187	34	16.1	83,960	8	16.2	181,701	35	19.7	220,831	18	18.1
	Missing	296,499	39	16.9	302,720	22	18.1	302,343	28	18.4	303,997	20	18.2

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.

Total Students in Report: 21,645

Table 3.7. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	3,861	18	24.2	82	323,956	17	22.1	72
Eng 9, Eng 10, Eng 11, Eng 12	17,048	79	23.7	80	1,203,175	63	20.8	64
Less than 4 years of English	251	1	20.7	64	91,187	5	16.1	34
Zero years / no English courses reported	485	2	22.3	71	296,499	15	16.9	39
MATHEMATICS COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	2,054	9	25.0	77	99,215	5	23.2	62
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,273	11	22.0	55	125,955	7	21.5	51
Alg 1, Alg 2, Geom, & Trig	1,254	6	19.3	26	89,147	5	19.0	27
Alg 1, Alg 2, Geom, & Other Adv Math	2,419	11	19.7	31	321,541	17	19.2	29
Other comb of 4 or more years of Math	10,815	50	25.7	78	609,514	32	23.8	65
Alg 1, Alg 2, & Geom	1,276	6	17.3	11	187,368	10	16.9	10
Other comb of 3 or 3.5 years of Math	650	3	20.6	42	95,397	5	19.6	33
Less than 3 years of Math	416	2	16.0	6	83,960	4	16.2	8
Zero years / no Math courses reported	488	2	21.7	48	302,720	16	18.1	22
SOCIAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark
US Hist, World Hist, Am Gov, & Other Hist	814	4	24.4	63	46,135	2	22.2	50
Other comb of 4 or more years Social Science	13,946	64	25.0	68	813,270	42	22.7	54
US Hist, World Hist, & Am Gov	996	5	22.1	48	111,031	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	4,853	22	24.4	64	460,337	24	21.7	48
Less than 3 years of Social Science	546	3	23.2	57	181,701	9	19.7	35
Zero years / no Social Science courses reported	490	2	24.9	66	302,343	16	18.4	28
NATURAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	11,660	54	24.6	65	705,397	37	22.4	48
Bio, Chem, Phys	2,447	11	26.6	80	193,793	10	23.3	54
Gen Sci ¹ , Bio, Chem	5,815	27	21.2	38	444,093	23	20.1	30
Other comb of 3 years of Natural Science	319	1	20.3	33	46,706	2	18.9	23
Less than 3 years of Natural Science	912	4	18.5	21	220,831	12	18.1	18
Zero years / no Natural Science courses reported	492	2	23.2	53	303,997	16	18.2	20

¹Includes General, Physical and Earth Sciences.

Total Students in Report: 21,645

Table 3.8. College Readiness Benchmark (CRB) Percent and Average ACT Scores for Gender by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	% Who Met Benchmark	N	Percent	ACT English	% Who Met Benchmark	N	Percent	ACT English	% Who Met Benchmark
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	3,861	18	24.2	82	1,570	16	23.7	80	2,291	19	24.5	84
Eng 9, Eng 10, Eng 11, Eng 12	17,048	79	23.7	80	7,626	80	23.4	79	9,422	78	24.0	81
Less than 4 years of English	251	1	20.7	64	114	1	19.5	60	137	1	21.7	68
Zero years / no English courses reported	485	2	22.3	71	278	3	22.1	70	207	2	22.6	72
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,054	9	25.0	77	833	9	25.6	81	1,221	10	24.6	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,273	11	22.0	55	747	8	22.4	59	1,526	13	21.8	53
Alg 1, Alg 2, Geom, & Trig	1,254	6	19.3	26	487	5	20.0	35	767	6	18.9	21
Alg 1, Alg 2, Geom, & Other Adv Math	2,419	11	19.7	31	865	9	20.1	35	1,554	13	19.5	29
Other comb of 4 or more years of Math	10,815	50	25.7	78	5,262	55	26.5	81	5,553	46	25.0	74
Alg 1, Alg 2, & Geom	1,276	6	17.3	11	591	6	17.5	12	685	6	17.2	10
Other comb of 3 or 3.5 years of Math	650	3	20.6	42	316	3	20.7	42	334	3	20.5	41
Less than 3 years of Math	416	2	16.0	6	209	2	16.5	8	207	2	15.4	4
Zero years / no Math courses reported	488	2	21.7	48	278	3	22.3	50	210	2	21.0	45
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	814	4	24.4	63	416	4	23.6	60	398	3	25.3	65
Other comb of 4 or more years Social Science	13,946	64	25.0	68	5,875	61	24.8	68	8,071	67	25.1	69
US Hist, World Hist, & Am Gov	996	5	22.1	48	452	5	22.1	48	544	5	22.1	48
Other comb of 3 or 3.5 years of Social Science	4,853	22	24.4	64	2,291	24	24.2	63	2,562	21	24.6	66
Less than 3 years of Social Science	546	3	23.2	57	276	3	22.3	53	270	2	24.2	62
Zero years / no Social Science courses reported	490	2	24.9	66	278	3	25.0	65	212	2	24.8	67
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ¹ , Bio, Chem, & Phys	11,660	54	24.6	65	5,719	60	25.0	67	5,941	49	24.2	63
Bio, Chem, Phys	2,447	11	26.6	80	1,056	11	27.5	85	1,391	12	25.9	76
Gen Sci ² , Bio, Chem	5,815	27	21.2	38	1,969	21	21.1	38	3,846	32	21.2	39
Other comb of 3 years of Natural Science	319	1	20.3	33	150	2	20.7	37	169	1	19.9	29
Less than 3 years of Natural Science	912	4	18.5	21	416	4	17.8	16	496	4	19.1	25
Zero years / no Natural Science courses reported	492	2	23.2	53	278	3	23.8	56	214	2	22.4	48

¹Includes General, Physical and Earth Sciences.

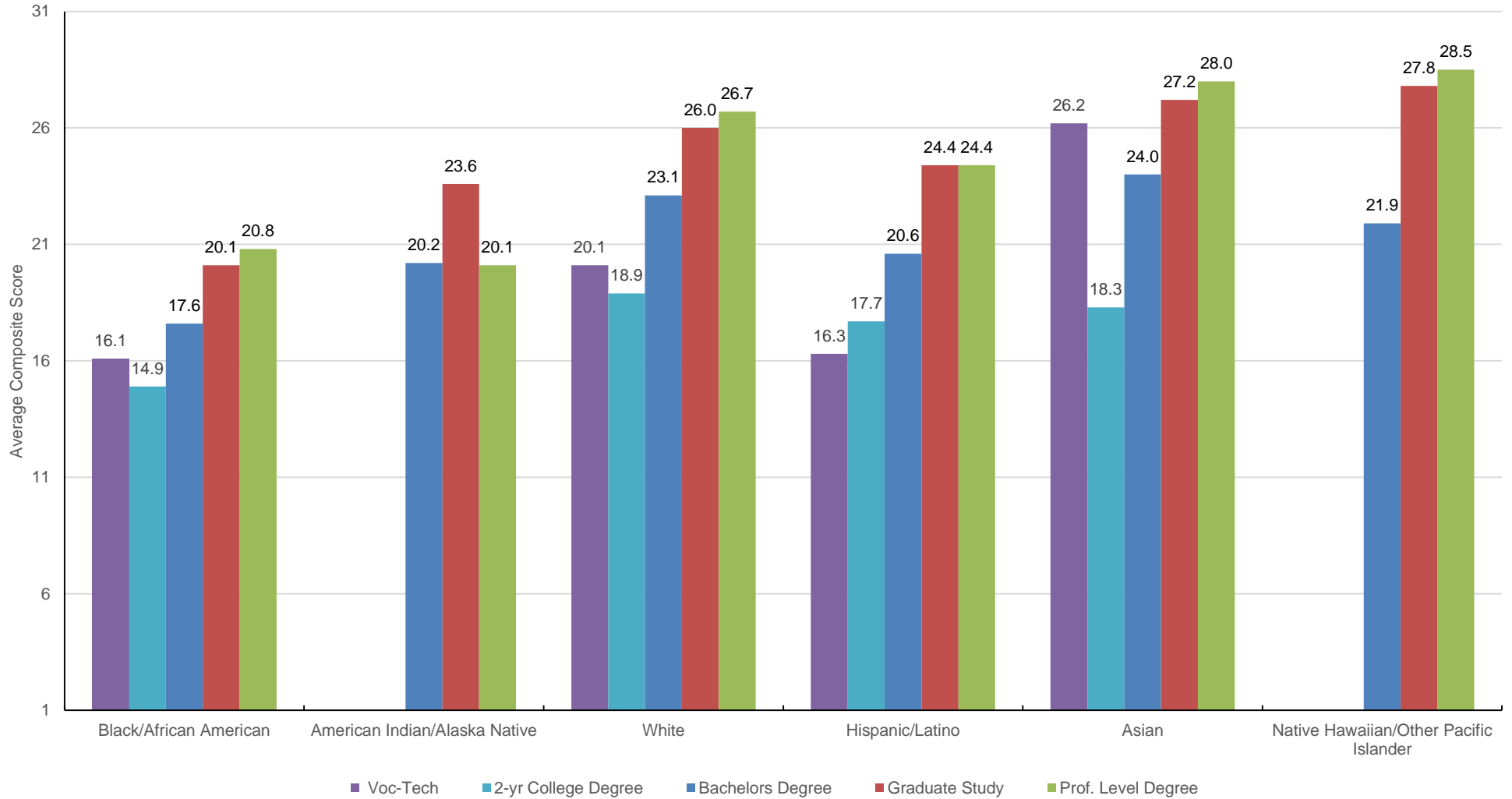
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Section IV

Career and Educational Aspirations

Total Students in Report: 21,645

Figure 4.1. Average ACT Composite Scores by Race and Student Postsecondary Aspirations*



*Missing columns reflect combinations of race/ethnicity and postsecondary aspiration in which one or both indicators are missing.

Total Students in Report: 21,645

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	Avg ACT Comp	N	Percent	Avg ACT Comp
Agriculture & Natural Resources Conservation	245	1	22.7	6	3	13.3	227	1	22.9
Architecture	223	1	23.8	0	0	.	216	1	23.8
Area, Ethnic, & Multidisciplinary Studies	32	0	24.9	0	0	.	31	0	24.8
Arts: Visual & Performing	922	4	22.6	10	5	16.4	848	4	22.8
Business	2,198	10	22.9	30	16	17.7	2,010	10	23.0
Communications	387	2	22.5	1	1	30.0	362	2	22.5
Community, Family, & Personal Services	220	1	19.5	9	5	17.4	195	1	19.8
Computer Science & Mathematics	1,158	5	25.5	8	4	21.3	1,058	5	25.5
Education	701	3	21.5	9	5	19.6	637	3	21.6
Engineering	2,344	11	26.2	13	7	18.9	2,170	11	26.2
Engineering Technology & Drafting	193	1	22.1	8	4	14.4	174	1	22.5
English & Foreign Languages	277	1	26.6	2	1	13.5	253	1	26.7
Health Administration & Assisting	381	2	19.9	12	6	16.0	345	2	20.1
Health Sciences & Technologies	3,464	16	23.1	16	9	19.4	3,237	17	23.2
Philosophy, Religion, & Theology	73	0	24.0	0	0	.	68	0	24.2
Repair, Production, & Construction	30	0	18.5	8	4	17.8	19	0	18.7
Sciences: Biological & Physical	2,414	11	25.5	7	4	21.3	2,264	12	25.5
Social Sciences & Law	2,193	10	24.0	6	3	21.3	2,051	11	24.1
Undecided	3,796	18	24.1	34	18	17.8	3,142	16	24.2
No Response	389	2	23.2	6	3	16.3	30	0	19.5

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: 21,645

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	64	18.9	19	16.1	0	.	29	20.1	4	16.3
2-yr College Degree	122	17.4	34	14.9	0	.	58	18.9	16	17.7
Bachelors Degree	7,785	21.9	1,322	17.6	17	20.2	4,523	23.1	646	20.6
Graduate Study	5,589	25.4	585	20.1	7	23.6	3,481	26.0	432	24.4
Prof. Level Degree	5,965	25.6	968	20.8	7	20.1	2,960	26.7	534	24.4
Other	140	21.8	35	15.8	1	15.0	58	24.6	15	19.5
No Response	1,980	23.5	275	17.4	1	16.0	837	24.3	113	20.5

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	64	18.9	5	26.2	0	.	1	19.0	6	17.2
2-yr College Degree	122	17.4	4	18.3	0	.	6	14.8	4	19.5
Bachelors Degree	7,785	21.9	485	24.0	11	21.9	451	22.2	330	22.0
Graduate Study	5,589	25.4	468	27.2	6	27.8	309	25.8	301	26.0
Prof. Level Degree	5,965	25.6	785	28.0	6	28.5	383	25.2	322	26.2
Other	140	21.8	12	28.2	0	.	9	22.6	10	22.4
No Response	1,980	23.5	206	27.3	2	21.0	98	23.2	448	25.1

Total Students in Report: 21,645

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
VIRGINIA TECH	Virginia	2,457	943	1,514	0	2	9	24	33	25	7
JAMES MADISON UNIVERSITY	Virginia	2,061	522	1,539	0	4	17	32	28	16	2
UNIVERSITY OF VIRGINIA	Virginia	1,958	586	1,372	0	1	7	16	29	34	13
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	1,636	452	1,184	1	8	23	29	23	14	2
GEORGE MASON UNIVERSITY	Virginia	1,418	417	1,001	1	4	18	31	27	15	4
OLD DOMINION UNIVERSITY	Virginia	1,210	343	867	3	17	35	26	14	4	1
CHRISTOPHER NEWPORT UNIVERSITY	Virginia	862	243	619	1	5	18	29	30	16	2
COLLEGE OF WILLIAM AND MARY	Virginia	799	197	602	0	1	6	13	27	39	15
RADFORD UNIVERSITY	Virginia	704	195	509	2	13	38	29	13	3	0
LIBERTY UNIVERSITY	Virginia	579	331	248	1	7	28	29	21	12	2
LONGWOOD UNIVERSITY	Virginia	491	141	350	1	10	32	36	14	6	0
UNIVERSITY OF MARY WASHINGTON	Virginia	454	89	365	0	5	20	28	30	15	2
NORFOLK STATE UNIVERSITY	Virginia	364	118	246	7	36	40	14	2	1	0
HAMPTON UNIVERSITY	Virginia	356	90	266	4	16	42	29	8	1	0
VIRGINIA STATE UNIVERSITY	Virginia	321	73	248	7	28	42	17	5	1	0
NCAA ELIGIBILITY CENTER	Indiana	282	189	93	2	12	23	24	21	15	4
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	269	65	204	0	3	10	20	26	31	9
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	249	60	189	0	1	7	25	35	29	3
UNIVERSITY OF RICHMOND	Virginia	245	51	194	0	4	15	19	25	31	6
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	231	46	185	1	6	9	25	29	25	5
DUKE UNIVERSITY	North Carolina	226	77	149	0	2	8	15	19	36	19
WEST VIRGINIA UNIVERSITY	West Virginia	207	65	142	0	7	24	37	23	8	0
CLEMSON UNIVERSITY	South Carolina	190	37	153	1	2	6	16	36	32	6
HOWARD UNIVERSITY	District of Columbia	186	82	104	2	11	39	33	11	4	0
VIRGINIA MILITARY INSTITUTE	Virginia	182	69	113	1	4	21	31	27	14	1
UNIVERSITY OF LYNCHBURG	Virginia	173	36	137	2	10	32	28	21	6	1
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	169	54	115	3	15	53	22	6	1	0
BRIGHAM YOUNG UNIVERSITY	Utah	165	127	38	0	1	5	18	22	39	14
GEORGETOWN UNIVERSITY	District of Columbia	165	62	103	1	1	7	10	26	39	15
UNIVERSITY OF ALABAMA	Alabama	161	64	97	0	3	16	24	29	22	6
All Other Institutions		11,897	3,308	8,589	1	7	18	23	22	21	8
Total		30,667	9,132	21,535	1	7	19	24	24	19	6

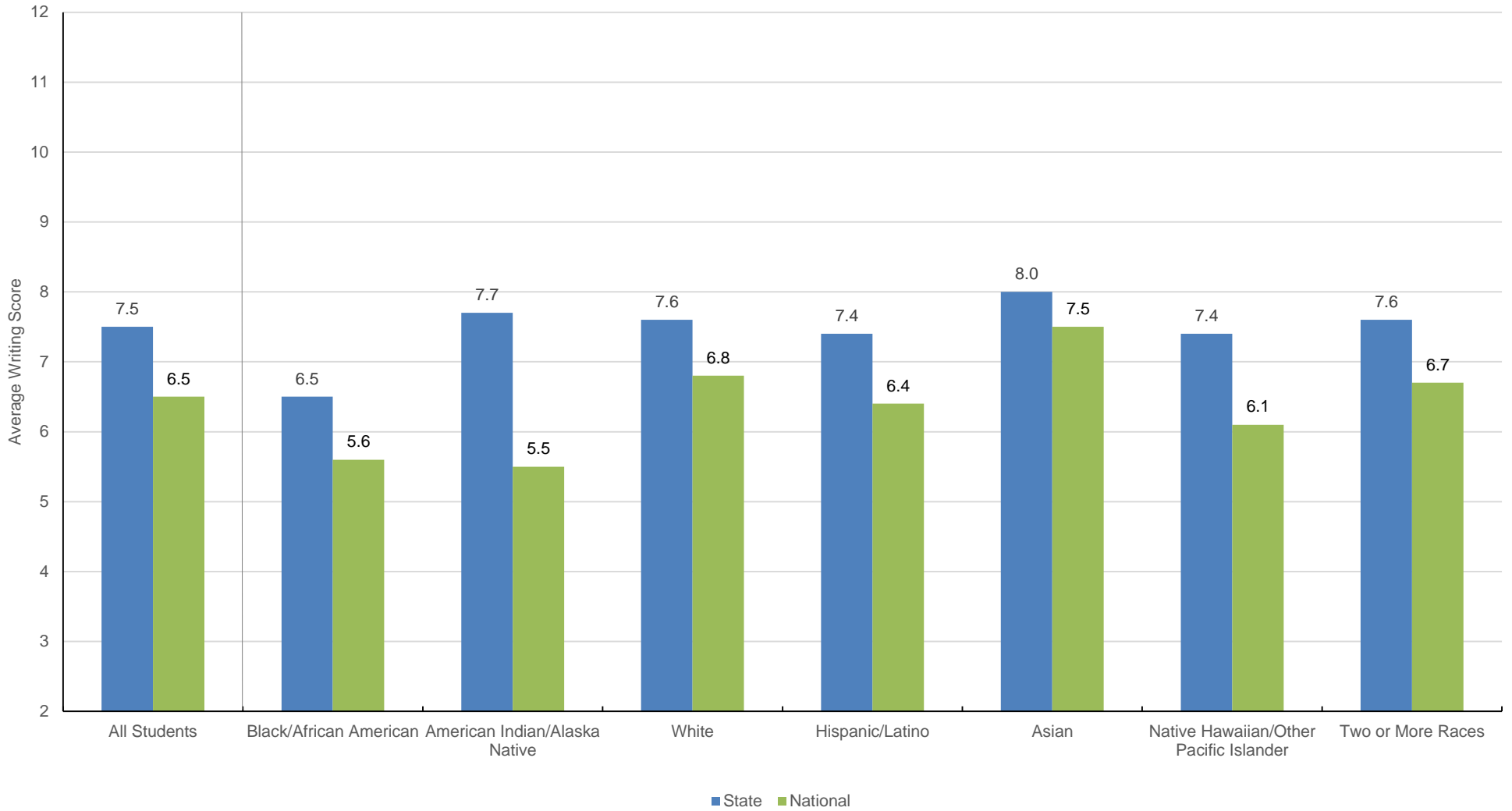
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Section V

Optional Writing Test Results

Total Students in Report: 21,645

Figure 5.1. Average ACT Writing Scores by Race/Ethnicity*



*Missing columns reflect race/ethnicity groupings that are missing.

Total Students in Report: 21,645

Table 5.1. Average ACT English Language Arts Constituent Scores by Race/Ethnicity and Gender for Students Who Took ACT Writing

	N		Average ACT Scores					
			English		Reading		Writing	
			State	National	State	National	State	National
All Students	8,537	903,603	25.8	20.7	26.4	21.8	7.5	6.5
Black/African American	1,046	103,370	19.5	15.9	20.6	17.3	6.5	5.6
American Indian/Alaska Native	7	6,413	22.4	15.6	23.6	17.5	7.7	5.5
White	4,533	426,803	26.8	22.5	27.5	23.4	7.6	6.8
Hispanic/Latino	715	177,117	23.7	18.2	24.9	19.6	7.4	6.4
Asian	1,075	63,636	28.7	25.2	28.0	25.1	8.0	7.5
Native Hawaiian/Other Pacific Islander	10	3,602	25.9	17.3	26.7	18.2	7.4	6.1
Two or More Races	513	43,115	26.0	21.2	26.9	22.3	7.6	6.7
Prefer not/No Response	638	79,547	26.5	19.9	27.5	21.1	7.5	6.3
Males	3,754	421,102	25.5	20.3	26.3	21.5	7.3	6.3
Females	4,783	472,773	26.1	21.2	26.6	22.1	7.6	6.8
No Response	0	9,728	.	15.8	.	17.5	.	5.3

Table 5.2. Average ACT English Language Arts Outcomes by Race/Ethnicity and Gender for Students Who Took ACT Writing

	N		Average ACT Scores			
			Average ELA Score		Percent Who Met ELA Benchmark	
			State	National	State	National
All Students	8,537	903,603	24.3	19.9	80	50
Black/African American	1,046	103,370	19.0	15.6	43	21
American Indian/Alaska Native	7	6,413	22.3	15.5	57	20
White	4,533	426,803	25.1	21.3	86	61
Hispanic/Latino	715	177,117	23.0	18.0	73	37
Asian	1,075	63,636	26.4	23.6	90	73
Native Hawaiian/Other Pacific Islander	10	3,602	24.2	17.0	70	31
Two or More Races	513	43,115	24.6	20.3	83	53
Prefer not/No Response	638	79,547	25.0	19.1	82	45
Males	3,754	421,102	23.9	19.3	78	47
Females	4,783	472,773	24.6	20.5	81	54
No Response	0	9,728	.	15.2	.	21

