



# Profile Report - State

Graduating Class 2018

Vermont



## 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.

Total Students in Report: 1,633

**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](http://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](http://www.act.org)

## How to Improve Scores and Increase College Readiness

47% 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:** 1,633 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. 60% 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, 15% were college ready. 4% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 16% of these students were college ready. In comparison, 69% 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 3% of the cohort took less than three years of natural science courses. 29% of these students were college ready. In comparison, 63% 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 27% 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](http://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](mailto:customerservices@act.org).

# Section I

## Executive Summary

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

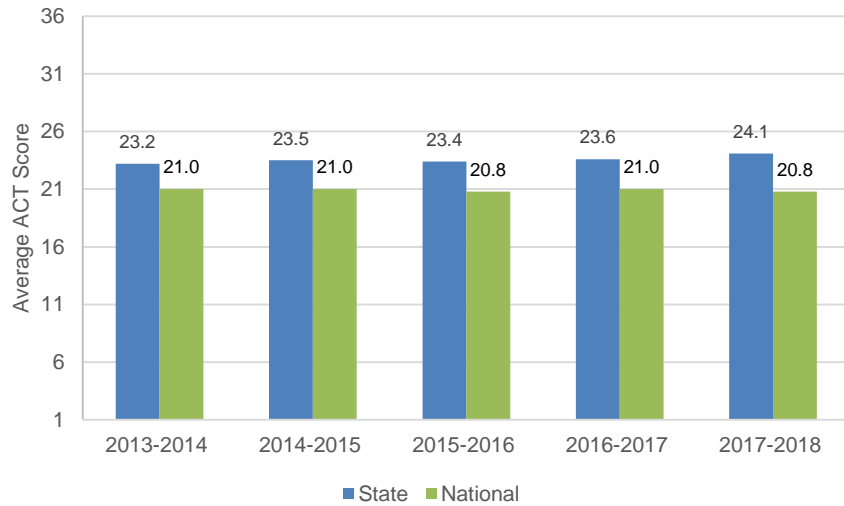


Figure 1.2. Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing\*

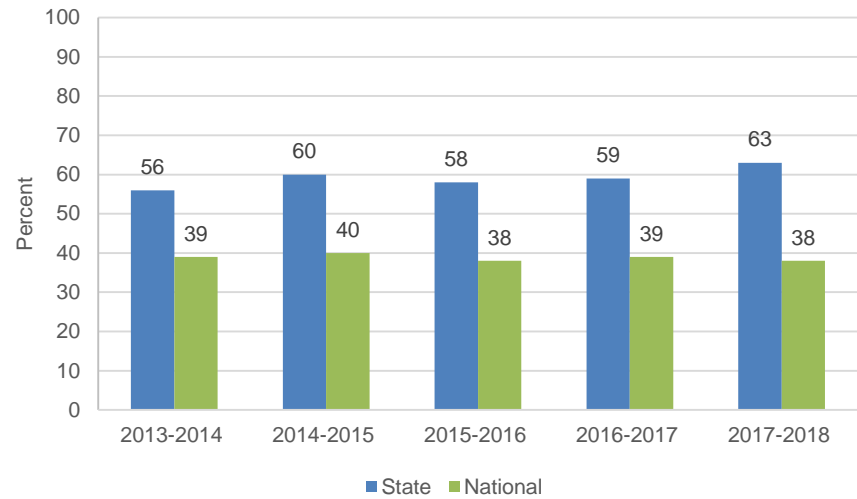


Figure 1.3. Percent Meeting STEM Benchmark: 5 Years of Testing\*

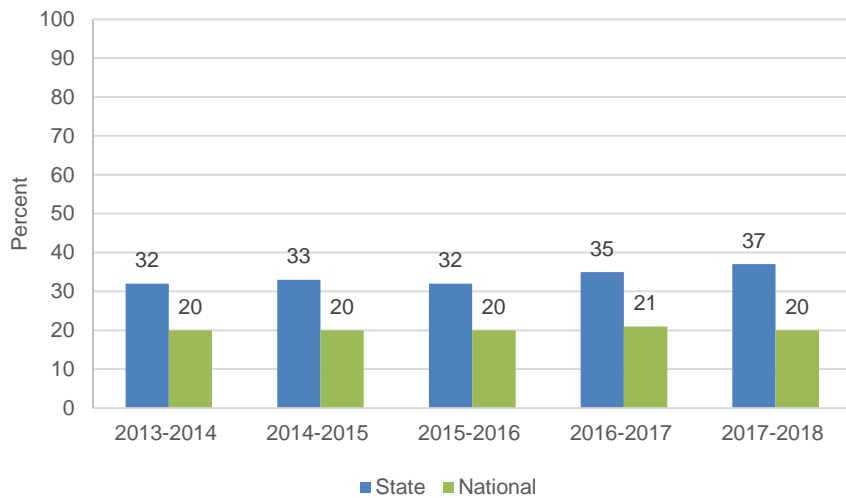
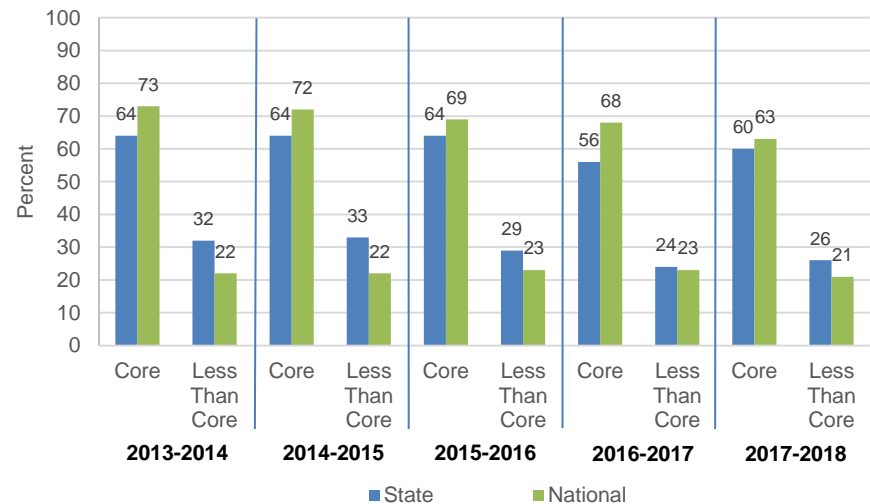


Figure 1.4. Percent Taking A Core Curriculum: 5 Years of Testing\*



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



Total Students in Report: 1,633

**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	2,105	1,845,787	78	64	60	43	58	44	52	37	40	26
2015	2,179	1,924,436	80	64	61	42	64	46	56	38	44	28
2016	2,104	2,090,342	80	61	62	41	62	44	54	36	43	26
2017	2,108	2,030,038	80	61	61	41	66	47	55	37	44	27
<b>2018</b>	<b>1,633</b>	<b>1,914,817</b>	<b>83</b>	<b>60</b>	<b>63</b>	<b>40</b>	<b>69</b>	<b>46</b>	<b>60</b>	<b>36</b>	<b>47</b>	<b>27</b>

**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	2,105	1,845,787	22.8	20.3	23.0	20.9	23.7	21.3	22.8	20.8	23.2	21.0
2015	2,179	1,924,436	23.2	20.4	23.0	20.8	24.1	21.4	23.2	20.9	23.5	21.0
2016	2,104	2,090,342	22.9	20.1	22.9	20.6	24.1	21.3	23.2	20.8	23.4	20.8
2017	2,108	2,030,038	23.3	20.3	23.1	20.7	24.4	21.4	23.2	21.0	23.6	21.0
<b>2018</b>	<b>1,633</b>	<b>1,914,817</b>	<b>23.9</b>	<b>20.2</b>	<b>23.4</b>	<b>20.5</b>	<b>24.9</b>	<b>21.3</b>	<b>23.8</b>	<b>20.7</b>	<b>24.1</b>	<b>20.8</b>

**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
<b>2018</b>	<b>1,914,817</b>	<b>20.2</b>	<b>20.5</b>	<b>21.3</b>	<b>20.7</b>	<b>20.8</b>

Total Students in Report: 1,633

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	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	1,343	671	64	32	23.8	21.4	23.7	21.7	24.5	22.5	23.5	21.7	24.0	21.9
2015	1,391	715	64	33	23.9	22.1	23.6	22.0	24.6	23.2	23.7	22.2	24.1	22.5
2016	1,337	610	64	29	23.7	22.3	23.6	22.3	24.8	23.8	23.8	22.7	24.1	22.9
2017	1,182	499	56	24	24.5	22.5	24.3	22.4	25.6	23.5	24.3	22.5	24.8	22.8
<b>2018</b>	<b>982</b>	<b>425</b>	<b>60</b>	<b>26</b>	<b>24.5</b>	<b>23.3</b>	<b>24.0</b>	<b>22.9</b>	<b>25.3</b>	<b>24.6</b>	<b>24.2</b>	<b>23.5</b>	<b>24.6</b>	<b>23.7</b>

<sup>1</sup>"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.

<sup>2</sup>Percent 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
<b>All Students</b>	<b>2,105</b>	<b>100</b>	<b>23.2</b>	<b>2,179</b>	<b>100</b>	<b>23.5</b>	<b>2,104</b>	<b>100</b>	<b>23.4</b>	<b>2,108</b>	<b>100</b>	<b>23.6</b>	<b>1,633</b>	<b>100</b>	<b>24.1</b>
Black/African American	35	2	16.9	40	2	18.0	30	1	19.6	27	1	18.0	42	3	19.4
American Indian/Alaska Native	5	0	17.8	3	0	19.0	3	0	21.7	8	0	20.6	4	0	17.8
White	1,721	82	23.3	1,789	82	23.7	1,662	79	23.8	1,587	75	23.9	1,306	80	24.3
Hispanic/Latino	42	2	23.2	44	2	22.8	53	3	22.0	48	2	21.9	52	3	23.4
Asian	122	6	22.7	88	4	21.6	89	4	23.7	89	4	23.7	67	4	24.0
Native Hawaiian/Other Pacific Islander	0	0	.	4	0	22.3	0	0	.	2	0	18.5	3	0	19.0
Two or more races	54	3	24.5	53	2	25.1	39	2	23.1	57	3	24.5	34	2	24.3
Prefer not to respond/No response	126	6	23.5	158	7	24.0	228	11	21.4	290	14	22.5	125	8	24.4

Total Students in Report: 1,633

**Table 1.6. Five Year Trends—Achievement in STEM<sup>1</sup>**

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	2,105	1,845,787	23.2	21.1	32	20	28.7	28.7	28.5	28.3
2015	2,179	1,924,436	23.4	21.1	33	20	28.4	28.7	28.5	28.4
2016	2,104	2,090,342	23.3	20.9	32	20	28.5	28.7	28.8	28.6
2017	2,108	2,030,038	23.4	21.1	35	21	28.5	28.7	28.8	28.7
<b>2018</b>	<b>1,633</b>	<b>1,914,817</b>	<b>23.9</b>	<b>20.9</b>	<b>37</b>	<b>20</b>	<b>28.6</b>	<b>28.8</b>	<b>28.8</b>	<b>28.8</b>

<sup>1</sup>The STEM score describes students' overall proficiency in mathematics and science.

**Table 1.7. Proficiency In Understanding Complex Texts<sup>1</sup>**

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	379	485,762	18	23	17.4	17.0	356	322,548	17	15	23.5	23.6	393	235,380	19	11	30.9	30.3
2017	660	999,708	31	49	17.2	16.2	697	596,096	33	29	24.1	23.4	745	427,075	35	21	31.0	30.8
<b>2018</b>	<b>499</b>	<b>1,010,339</b>	<b>31</b>	<b>53</b>	<b>17.8</b>	<b>16.3</b>	<b>516</b>	<b>492,937</b>	<b>32</b>	<b>26</b>	<b>24.1</b>	<b>23.6</b>	<b>618</b>	<b>411,541</b>	<b>38</b>	<b>21</b>	<b>31.4</b>	<b>31.0</b>

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

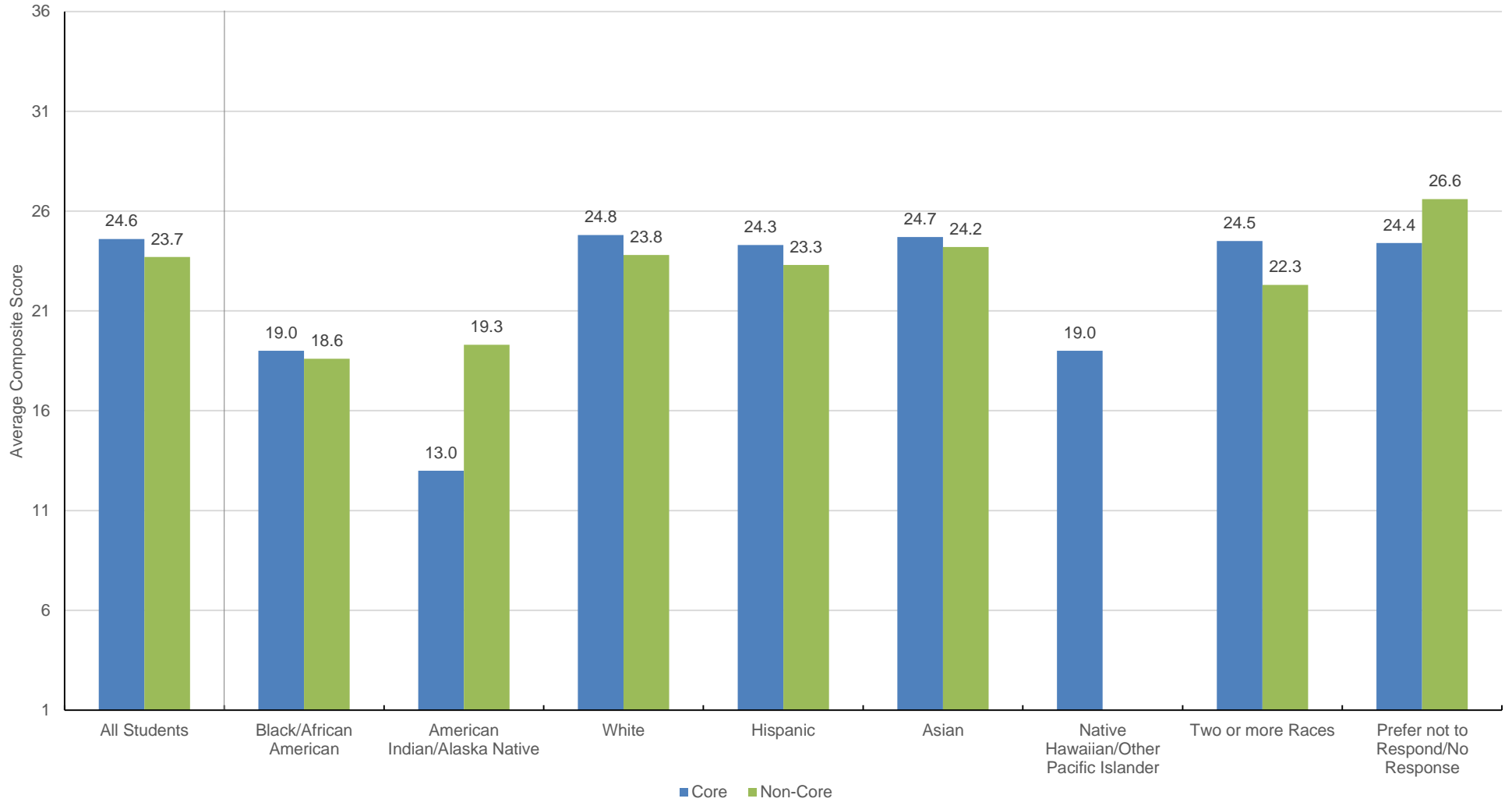
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# Section II

## Academic Achievement

Total Students in Report: 1,633

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: 1,633

Table 2.1. ACT Score Distributions, Cumulative Percents (CP<sup>1</sup>), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		STEM		ELA <sup>2</sup>		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
36	30	100	9	100	37	100	23	100	5	100	10	100	1	100	36
35	71	98	26	99	88	98	21	99	23	99	16	99	5	99	35
34	74	94	24	98	79	92	38	97	33	98	31	98	8	99	34
33	42	89	20	96	74	88	41	95	32	96	24	97	22	99	33
32	37	87	30	95	78	83	19	92	56	94	41	95	35	97	32
31	48	84	50	93	60	78	49	91	64	91	36	93	41	94	31
30	49	82	45	90	64	75	58	88	70	87	61	90	48	90	30
29	51	79	52	88	51	71	53	85	81	83	72	87	64	86	29
28	50	75	105	84	61	67	66	82	84	78	79	82	48	80	28
27	66	72	112	78	71	64	58	77	87	73	113	77	73	76	27
26	83	68	150	71	77	59	107	74	113	67	122	70	73	70	26
25	105	63	120	62	68	55	140	67	123	60	142	63	80	63	25
24	114	57	106	55	92	51	143	59	105	53	131	54	79	56	24
23	127	50	108	48	109	45	164	50	127	46	116	46	94	49	23
22	106	42	78	41	111	38	136	40	122	39	104	39	83	41	22
21	113	36	67	37	63	31	108	32	86	31	93	33	68	34	21
20	87	29	80	33	90	28	85	25	89	26	86	27	45	28	20
19	53	23	71	28	70	22	81	20	77	20	104	22	56	24	19
18	52	20	93	23	58	18	78	15	76	16	84	15	44	19	18
17	49	17	93	18	61	14	48	10	54	11	61	10	46	15	17
16	53	14	94	12	49	10	46	7	57	8	48	7	35	11	16
15	50	11	50	6	35	7	22	4	22	4	33	4	31	8	15
14	37	8	38	3	35	5	22	3	18	3	14	2	16	5	14
13	17	5	4	1	17	3	7	2	19	2	6	1	15	4	13
12	22	4	7	1	19	2	8	1	4	1	3	1	9	2	12
11	26	3	1	1	8	1	4	1	5	1	2	1	9	1	11
10	13	1	0	1	4	1	4	1	1	1	1	1	3	1	10
9	4	1	0	1	3	1	1	1	0	1	0	1	0	1	9
8	3	1	0	1	0	1	0	1	0	1	0	1	2	1	8
7	0	1	0	1	0	1	3	1	0	1	0	1	1	1	7
6	1	1	0	1	1	1	0	1	0	1	0	1	1	1	6
5	0	1	0	1	0	1	0	1	0	1	0	1	0	1	5
4	0	1	0	1	0	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	23.9 (6.4)		23.4 (5.3)		24.9 (6.5)		23.8 (5.2)		24.1 (5.2)		23.9 (4.9)		23.5 (5.3)		Avg (SD)

<sup>1</sup> CP is the cumulative percent of students at or below a score point.

<sup>2</sup> 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 Categories<sup>1</sup>

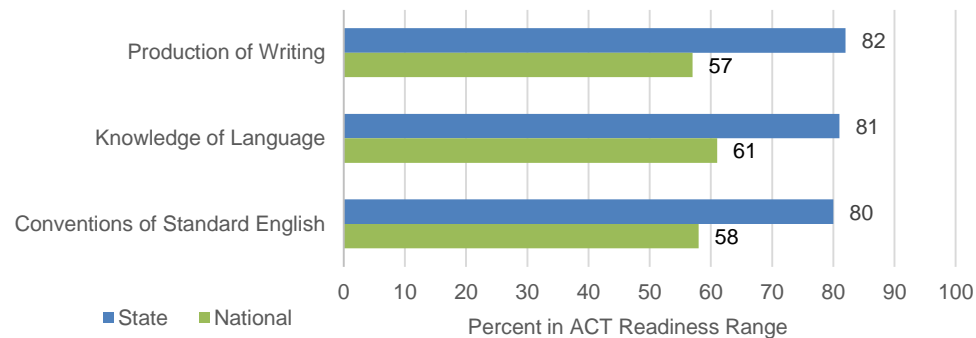


Figure 2.3. Math Reporting Categories<sup>1</sup>

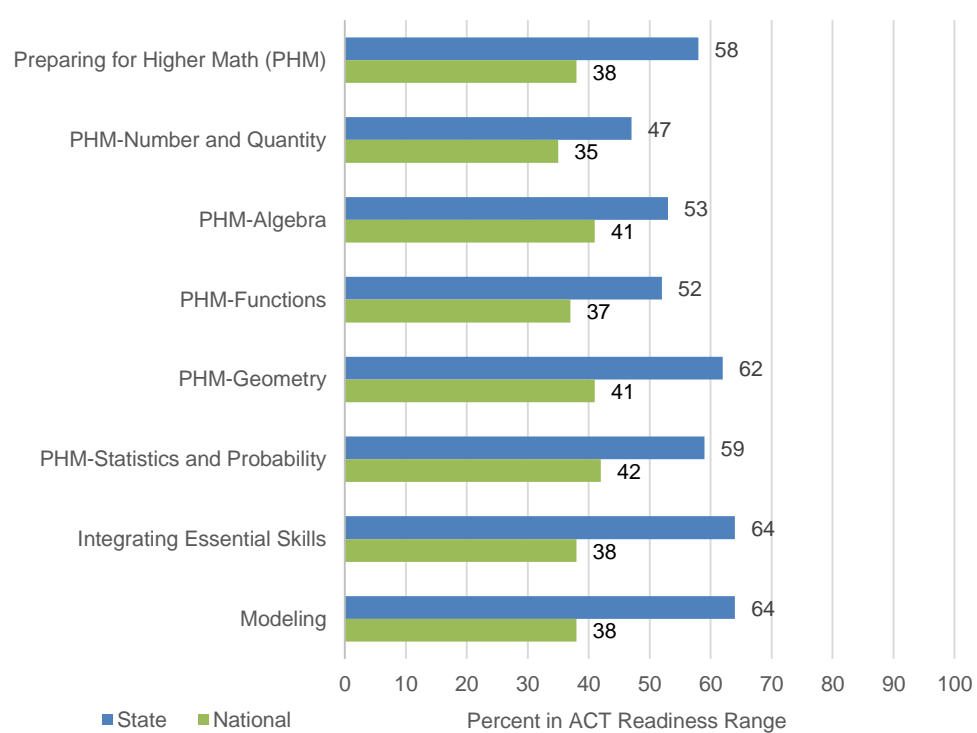


Figure 2.4. Reading Reporting Categories<sup>1</sup>

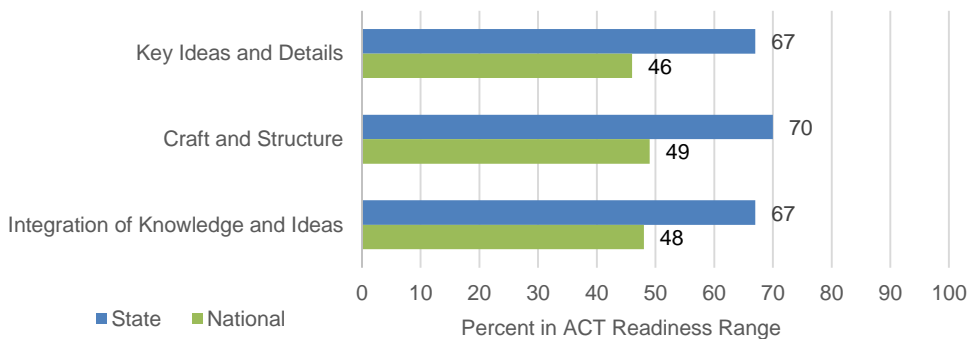
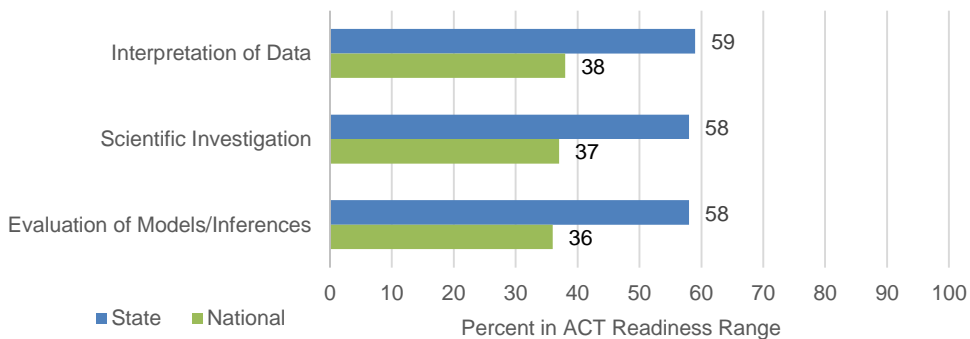


Figure 2.5. Science Reporting Categories<sup>1</sup>



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.

<sup>1</sup> Reporting Categories are reported only for testing events beginning September 2016.



Total Students in Report: 1,633

**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 <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	1,633	60	24.6	23.7
	Black/African American	42	57	19.0	18.6
	American Indian/Alaska Native	4	25	13.0	19.3
	White	1,306	63	24.8	23.8
	Hispanic/Latino	52	56	24.3	23.3
	Asian	67	51	24.7	24.2
	Native Hawaiian/Other Pacific Islander	3	100	19.0	.
	Two or More Races	34	74	24.5	22.3
	Prefer not/No Response	125	35	24.4	26.6
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

<sup>1</sup> "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	42	3	18.4	19.0	20.0	19.9	19.4	19.7	
American Indian/Alaska Native	4	0	14.5	18.3	18.3	19.5	17.8	19.0	
White	1,306	80	24.2	23.6	25.1	24.0	24.3	24.1	
Hispanic/Latino	52	3	22.9	22.6	24.7	22.9	23.4	23.0	
Asian	67	4	23.0	25.3	23.3	23.6	24.0	24.7	
Native Hawaiian/Other Pacific Islander	3	0	16.3	18.0	19.3	20.7	19.0	19.7	
Two or More Races	34	2	23.4	22.9	25.7	24.1	24.3	23.8	
Prefer not/No Response	125	8	24.0	22.8	26.4	24.2	24.4	23.7	
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: 1,633

**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 <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	Males	716	58	24.9	23.9
	Females	913	62	24.4	23.5
	No Response	4	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

<sup>1</sup> "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	716	44	23.4	24.1	24.5	24.2	24.2	24.4
	Females	913	56	24.3	22.9	25.3	23.5	24.1	23.5
	No Response	4	0	14.0	17.0	16.0	17.0	16.0	17.3
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**

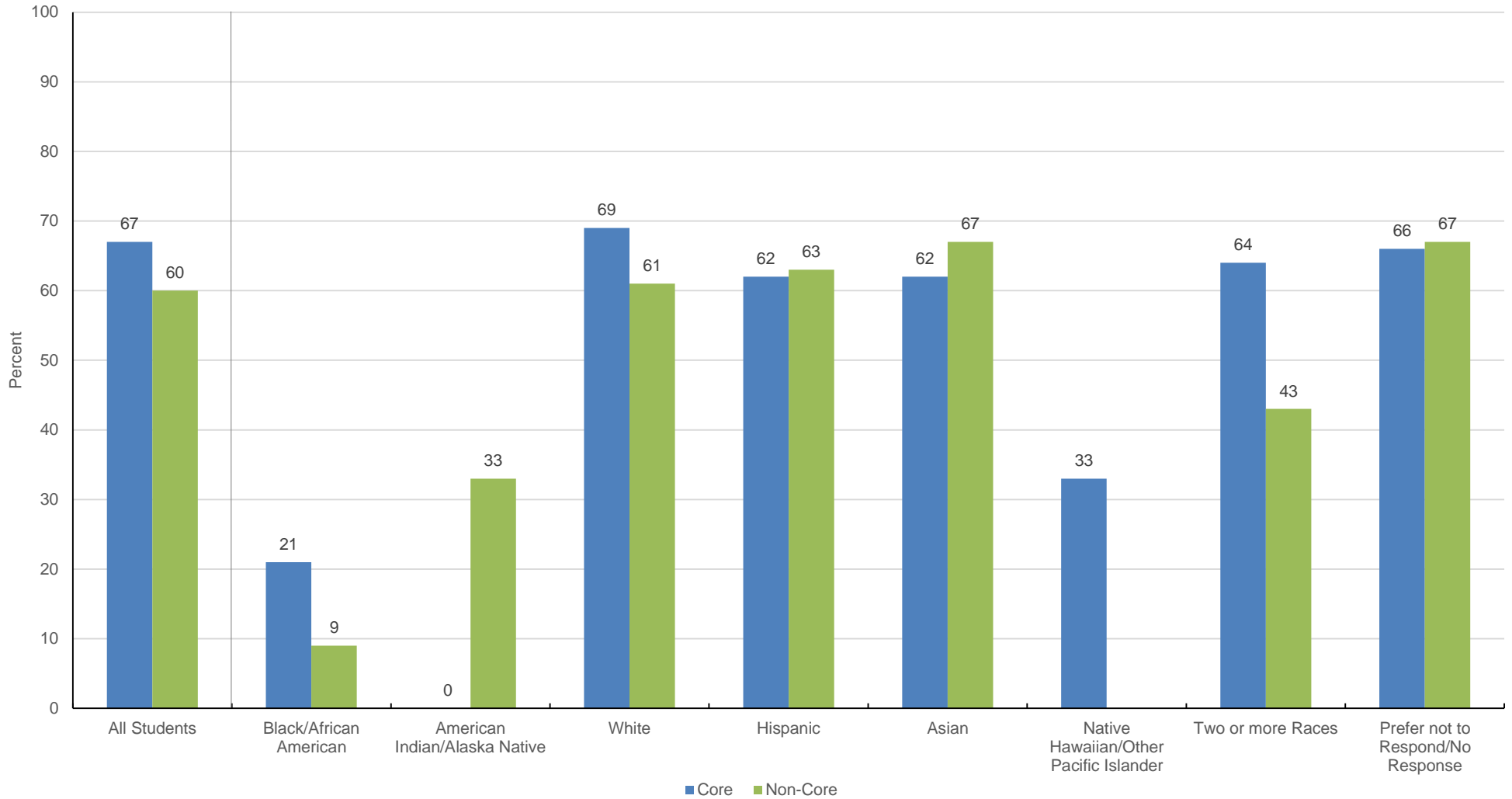
Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	28	27	31	27	28
Q2 (50th Percentile)	24	24	24	23	24
Q1 (25th Percentile)	20	19	20	20	20

# Section III

## College and Career Readiness and the Impact of Course Rigor

Total Students in Report: 1,633

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: 1,633

**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	217	13	79	5	278	17	123	8
	28 to 32	235	14	282	17	314	19	245	15
	24 to 27	368	23	488	30	308	19	448	27
	20 to 23	433	27	333	20	373	23	493	30
	16 to 19	207	13	351	21	238	15	253	15
	13 to 15	104	6	92	6	87	5	51	3
	01 to 12	69	4	8	0	35	2	20	1
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	81	66	65	61	47
	Females	85	61	72	59	47
	No Response	25	25	25	25	25
National	Males	57	43	44	38	28
	Females	64	37	48	35	26
	No Response	38	18	25	17	10

Total Students in Report: 1,633

**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	1,633	83	63	69	60	47	37
	Black/African American	42	45	21	36	17	14	14
	American Indian/Alaska Native	4	25	25	25	25	25	0
	White	1,306	86	65	70	62	49	38
	Hispanic/Latino	52	79	58	71	54	38	31
	Asian	67	75	73	55	54	40	45
	Native Hawaiian/Other Pacific Islander	3	33	33	33	0	0	0
	Two or More Races	34	82	62	71	59	47	41
	Prefer Not to Respond	125	79	61	73	61	49	34
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 Score<sup>1</sup>**

Student Group	ACT NCRC Level <sup>2</sup>	N	%	Average Composite
State	Gold or Higher	771	47	28.7
	Silver	736	45	21.0
	Bronze	116	7	15.0
	Needs Improvement	10	1	11.3
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

<sup>1</sup> 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.

<sup>2</sup> Additional information on the ACT NCRC can be found at [www.act.org](http://www.act.org).

Total Students in Report: 1,633

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite <sup>4</sup>		STEM	
			%	Avg	%	Avg	%	Avg	%	Avg	%	Avg	%	Avg
State	Core or More <sup>2</sup>	982	88	24.5	68	24.0	71	25.3	64	24.2	50	24.6	40	24.3
	Less than Core	425	79	23.3	60	22.9	66	24.6	56	23.5	45	23.7	35	23.5
	Missing <sup>3</sup>	226	71	22.5	50	21.9	63	24.2	50	22.9	40	23.0	29	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

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.

<sup>2</sup> "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.

<sup>3</sup> Zero years or no coursework information reported in one or more content areas.

<sup>4</sup> 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 <sup>1</sup>	English			Mathematics			Reading			Science		
		N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
State	Core or More <sup>2</sup>	1,380	85	24.1	1,376	67	23.8	1,040	70	25.1	1,354	63	24.1
	Less than Core	32	78	23.2	34	15	16.9	370	68	24.9	56	29	19.6
	Missing <sup>3</sup>	221	72	22.7	223	51	21.9	223	64	24.3	223	51	23.0
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

<sup>1</sup> "Curriculum Taken" reflects content-specific curriculum in this table.

<sup>2</sup> "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.

<sup>3</sup> Zero years or no coursework information reported in the specified content area.

Total Students in Report: 1,633

**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
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	439	27	24.1	84	323,956	17	22.1	72
Eng 9, Eng 10, Eng 11, Eng 12	941	58	24.1	86	1,203,175	63	20.8	64
Less than 4 years of English	32	2	23.2	78	91,187	5	16.1	34
Zero years / no English courses reported	221	14	22.7	72	296,499	15	16.9	39
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	144	9	24.9	79	99,215	5	23.2	62
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	117	7	22.4	58	125,955	7	21.5	51
Alg 1, Alg 2, Geom, & Trig	67	4	19.6	30	89,147	5	19.0	27
Alg 1, Alg 2, Geom, & Other Adv Math	183	11	20.6	41	321,541	17	19.2	29
Other comb of 4 or more years of Math	724	44	25.6	81	609,514	32	23.8	65
Alg 1, Alg 2, & Geom	70	4	18.6	16	187,368	10	16.9	10
Other comb of 3 or 3.5 years of Math	71	4	23.3	63	95,397	5	19.6	33
Less than 3 years of Math	34	2	16.9	15	83,960	4	16.2	8
Zero years / no Math courses reported	223	14	21.9	51	302,720	16	18.1	22
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	79	5	26.4	80	46,135	2	22.2	50
Other comb of 4 or more years Social Science	472	29	24.2	64	813,270	42	22.7	54
US Hist, World Hist, & Am Gov	82	5	26.5	76	111,031	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	407	25	25.6	74	460,337	24	21.7	48
Less than 3 years of Social Science	370	23	24.9	68	181,701	9	19.7	35
Zero years / no Social Science courses reported	223	14	24.3	64	302,343	16	18.4	28
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	939	58	24.6	67	705,397	37	22.4	48
Bio, Chem, Phys	83	5	25.1	67	193,793	10	23.3	54
Gen Sci <sup>1</sup> , Bio, Chem	306	19	22.6	49	444,093	23	20.1	30
Other comb of 3 years of Natural Science	26	2	22.5	46	46,706	2	18.9	23
Less than 3 years of Natural Science	56	3	19.6	29	220,831	12	18.1	18
Zero years / no Natural Science courses reported	223	14	23.0	51	303,997	16	18.2	20

<sup>1</sup>Includes General, Physical and Earth Sciences.



Total Students in Report: 1,633

**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
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	439	27	24.1	84	168	23	23.8	83	271	30	24.3	84
Eng 9, Eng 10, Eng 11, Eng 12	941	58	24.1	86	419	59	23.8	84	522	57	24.3	87
Less than 4 years of English	32	2	23.2	78	13	2	24.3	77	19	2	22.5	79
Zero years / no English courses reported	221	14	22.7	72	116	16	21.3	66	101	11	24.6	81
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	144	9	24.9	79	57	8	25.9	86	87	10	24.2	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	117	7	22.4	58	43	6	22.8	58	74	8	22.1	58
Alg 1, Alg 2, Geom, & Trig	67	4	19.6	30	28	4	19.6	32	39	4	19.6	28
Alg 1, Alg 2, Geom, & Other Adv Math	183	11	20.6	41	62	9	20.5	37	121	13	20.6	43
Other comb of 4 or more years of Math	724	44	25.6	81	337	47	26.7	85	387	42	24.6	77
Alg 1, Alg 2, & Geom	70	4	18.6	16	24	3	19.0	13	46	5	18.4	17
Other comb of 3 or 3.5 years of Math	71	4	23.3	63	32	4	23.5	72	39	4	23.1	56
Less than 3 years of Math	34	2	16.9	15	16	2	17.1	19	18	2	16.8	11
Zero years / no Math courses reported	223	14	21.9	51	117	16	21.4	45	102	11	22.7	59
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	79	5	26.4	80	36	5	24.4	67	43	5	28.0	91
Other comb of 4 or more years Social Science	472	29	24.2	64	225	31	24.1	60	247	27	24.3	67
US Hist, World Hist, & Am Gov	82	5	26.5	76	33	5	25.9	67	49	5	26.9	82
Other comb of 3 or 3.5 years of Social Science	407	25	25.6	74	145	20	25.9	77	262	29	25.4	73
Less than 3 years of Social Science	370	23	24.9	68	161	22	24.6	66	209	23	25.1	68
Zero years / no Social Science courses reported	223	14	24.3	64	116	16	23.1	58	103	11	25.9	72
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	939	58	24.6	67	430	60	25.1	68	509	56	24.2	67
Bio, Chem, Phys	83	5	25.1	67	39	5	25.1	59	44	5	25.1	75
Gen Sci <sup>2</sup> , Bio, Chem	306	19	22.6	49	92	13	23.3	55	214	23	22.3	46
Other comb of 3 years of Natural Science	26	2	22.5	46	16	2	22.2	44	10	1	23.1	50
Less than 3 years of Natural Science	56	3	19.6	29	23	3	20.3	35	33	4	19.0	24
Zero years / no Natural Science courses reported	223	14	23.0	51	116	16	22.6	47	103	11	23.6	56

<sup>1</sup>Includes General, Physical and Earth Sciences.

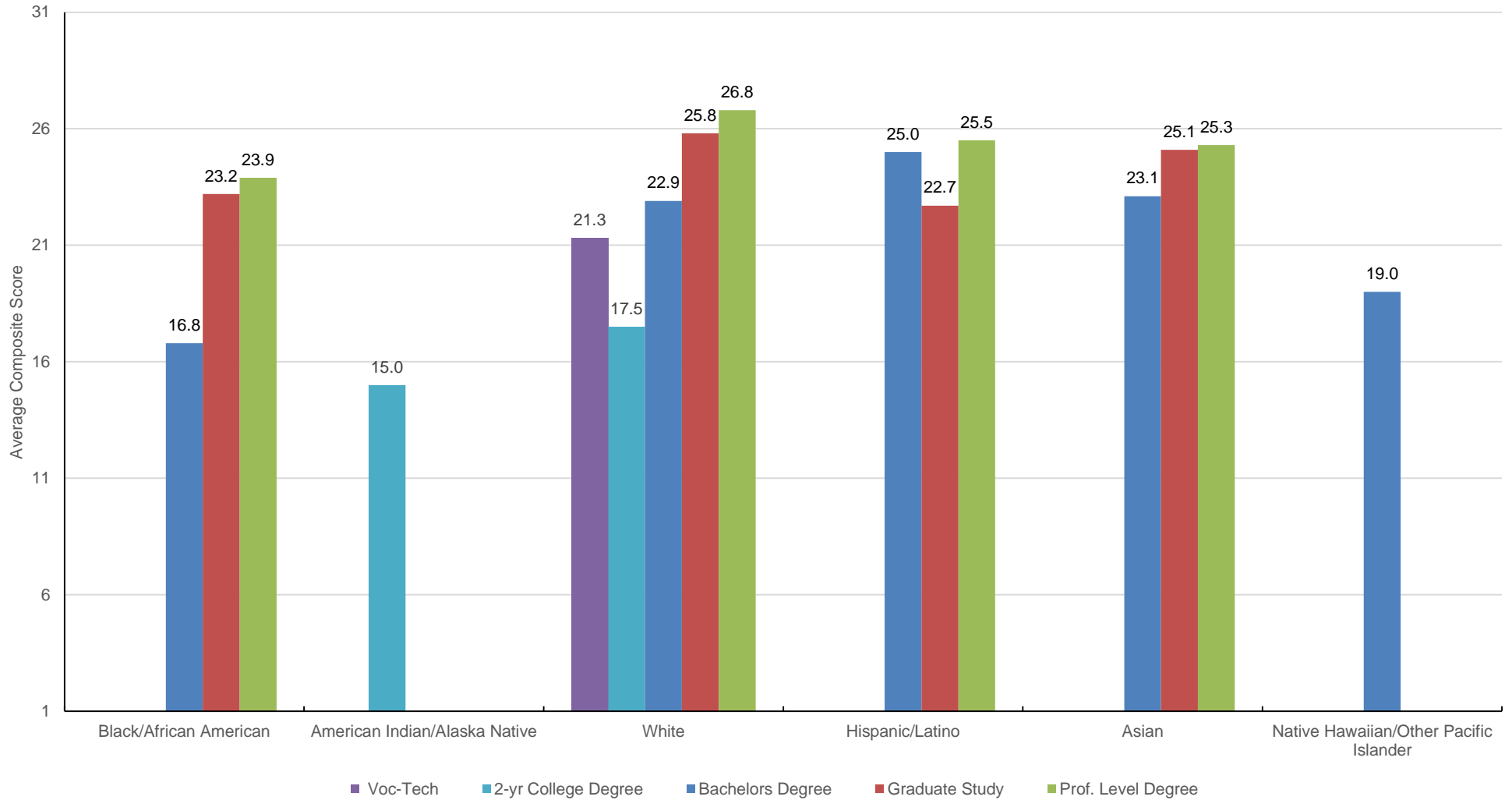
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# Section IV

## Career and Educational Aspirations

Total Students in Report: 1,633

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: 1,633

**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 <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent	Avg ACT Comp	N	Percent	Avg ACT Comp
Agriculture & Natural Resources Conservation	31	2	23.7	1	10	19.0	26	2	24.0
Architecture	7	0	27.1	0	0	.	7	1	27.1
Area, Ethnic, & Multidisciplinary Studies	4	0	25.5	0	0	.	4	0	25.5
Arts: Visual & Performing	63	4	23.4	1	10	23.0	56	5	23.6
Business	129	8	22.5	2	20	20.5	114	9	22.6
Communications	24	1	24.6	0	0	.	23	2	24.9
Community, Family, & Personal Services	6	0	20.0	0	0	.	6	0	20.0
Computer Science & Mathematics	56	3	26.2	0	0	.	53	4	26.0
Education	39	2	23.0	0	0	.	36	3	23.2
Engineering	122	7	25.7	1	10	11.0	112	9	26.0
Engineering Technology & Drafting	11	1	23.4	1	10	15.0	9	1	24.6
English & Foreign Languages	24	1	27.0	0	0	.	23	2	26.9
Health Administration & Assisting	19	1	19.6	0	0	.	16	1	19.8
Health Sciences & Technologies	241	15	22.8	1	10	14.0	214	18	23.0
Philosophy, Religion, & Theology	3	0	23.7	0	0	.	3	0	23.7
Repair, Production, & Construction	0	0	.	0	0	.	0	0	.
Sciences: Biological & Physical	195	12	26.1	1	10	21.0	176	14	26.1
Social Sciences & Law	118	7	25.1	0	0	.	104	9	25.5
Undecided	319	20	24.5	2	20	20.0	232	19	24.8
No Response	222	14	23.1	0	0	.	0	0	.

<sup>1</sup>2-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.

<sup>2</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 1,633

**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	3	21.3	0	.	0	.	3	21.3	0	.
2-yr College Degree	7	17.1	0	.	1	15.0	6	17.5	0	.
Bachelors Degree	574	22.8	18	16.8	0	.	487	22.9	17	25.0
Graduate Study	356	25.7	5	23.2	0	.	310	25.8	7	22.7
Prof. Level Degree	284	26.6	7	23.9	0	.	235	26.8	14	25.5
Other	3	25.0	1	17.0	0	.	1	30.0	0	.
No Response	406	23.1	11	19.2	3	18.7	264	23.2	14	19.7

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	3	21.3	0	.	0	.	0	.	0	.
2-yr College Degree	7	17.1	0	.	0	.	0	.	0	.
Bachelors Degree	574	22.8	14	23.1	3	19.0	18	22.7	17	24.6
Graduate Study	356	25.7	18	25.1	0	.	7	27.4	9	24.8
Prof. Level Degree	284	26.6	13	25.3	0	.	4	25.8	11	27.6
Other	3	25.0	0	.	0	.	0	.	1	28.0
No Response	406	23.1	22	22.9	0	.	5	24.2	87	23.9

Total Students in Report: 1,633

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
UNIVERSITY OF VERMONT	Vermont	190	83	107	0	4	16	25	22	29	5
CASTLETON UNIVERSITY	Vermont	50	23	27	6	10	46	28	8	2	0
CHAMPLAIN COLLEGE	Vermont	31	11	20	0	6	16	32	26	19	0
NORTHEASTERN UNIVERSITY	Massachusetts	29	8	21	0	3	10	14	28	41	3
VERMONT TECHNICAL COLLEGE	Vermont	29	12	17	0	7	41	28	10	14	0
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	25	5	20	0	4	28	32	12	24	0
DARTMOUTH COLLEGE	New Hampshire	24	9	15	0	0	0	13	33	46	8
MCGILL UNIVERSITY		22	14	8	0	0	14	14	23	36	14
SAINT MICHAEL'S COLLEGE	Vermont	22	4	18	0	5	5	27	23	41	0
BOSTON UNIVERSITY	Massachusetts	20	10	10	0	5	5	45	5	40	0
CLARKSON UNIVERSITY	New York	18	3	15	0	0	11	17	22	39	11
JOHNSON STATE COLLEGE	Vermont	18	4	14	0	22	44	22	6	6	0
TUFTS UNIVERSITY	Massachusetts	18	11	7	0	0	0	11	28	39	22
UNIVERSITY OF NEW ENGLAND	Maine	18	3	15	0	0	17	56	11	11	6
MIDDLEBURY COLLEGE	Vermont	16	4	12	0	0	6	19	25	13	38
Code not found		15	2	13	0	13	53	27	7	0	0
BOSTON COLLEGE	Massachusetts	15	4	11	0	0	0	40	20	40	0
HARVARD COLLEGE	Massachusetts	14	5	9	0	0	0	7	29	36	29
UNIVERSITY OF MAINE THE	Maine	14	3	11	0	0	29	43	7	14	7
CORNELL UNIVERSITY	New York	12	3	9	0	0	0	8	17	50	25
UNIV OF COLORADO-BOULDER	Colorado	12	4	8	0	0	0	42	42	17	0
ENDICOTT COLLEGE	Massachusetts	11	3	8	0	9	27	36	18	9	0
NEW YORK UNIVERSITY	New York	11	1	10	0	0	0	18	45	36	0
NORWICH UNIVERSITY	Vermont	11	3	8	0	0	36	27	18	18	0
RENSSELAER POLYTECHNIC INSTITUTE	New York	11	3	8	0	0	0	9	18	55	18
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	10	1	9	0	0	30	30	0	30	10
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	10	3	7	0	0	10	0	30	50	10
UNIVERSITY OF RHODE ISLAND	Rhode Island	10	3	7	0	0	20	30	20	20	10
ROCHESTER INST OF TECHNOLOGY	New York	9	3	6	0	0	0	22	22	44	11
SPRINGFIELD COLLEGE	Massachusetts	9	4	5	0	0	0	56	22	22	0
All Other Institutions		738	201	537	0	3	16	26	21	26	7
<b>Total</b>		<b>1,442</b>	<b>450</b>	<b>992</b>	<b>0</b>	<b>3</b>	<b>17</b>	<b>26</b>	<b>20</b>	<b>26</b>	<b>7</b>

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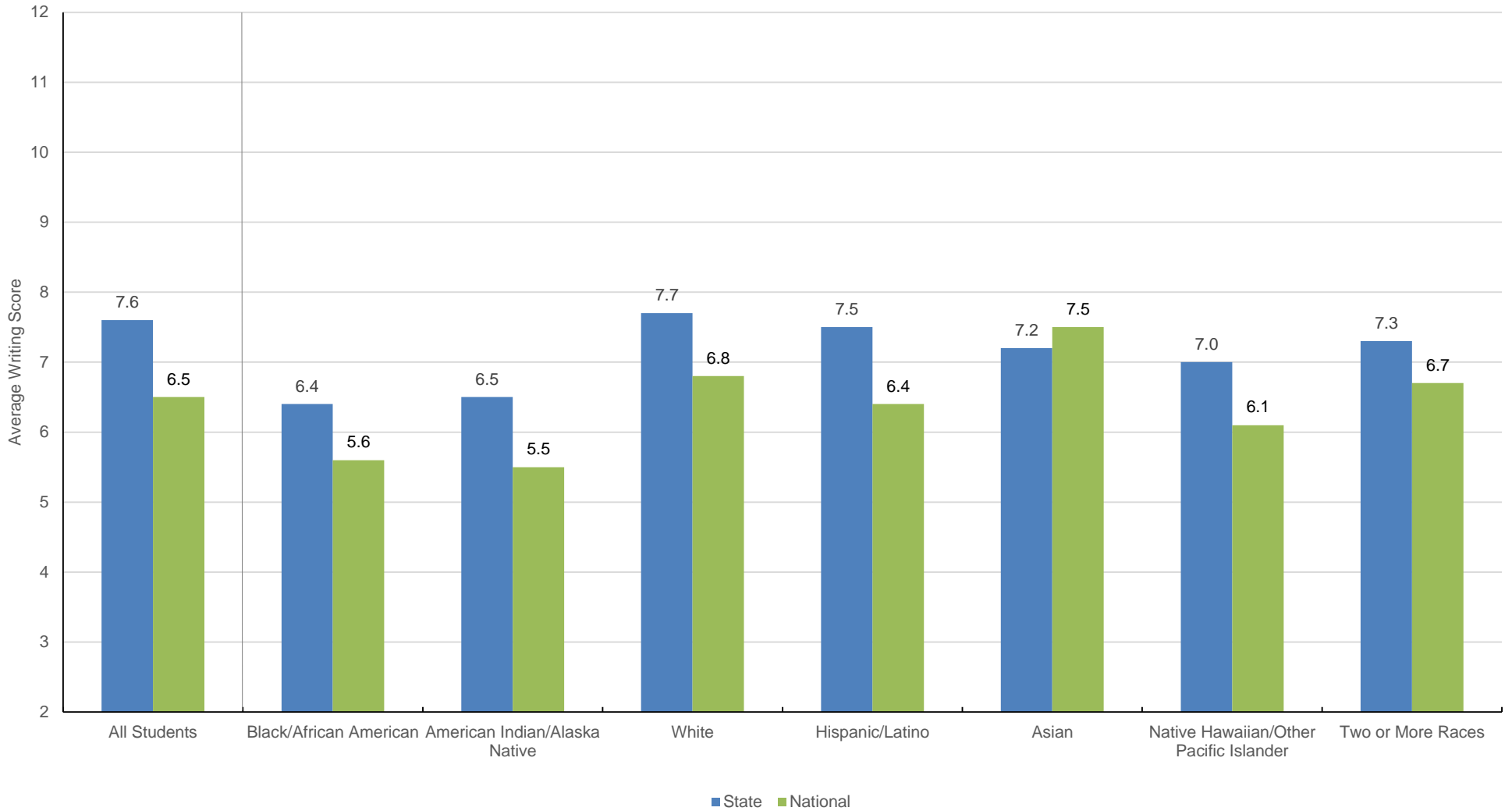


# Section V

## Optional Writing Test Results

Total Students in Report: 1,633

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



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

Total Students in Report: 1,633

**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
<b>All Students</b>	<b>1,135</b>	<b>903,603</b>	<b>24.2</b>	<b>20.7</b>	<b>25.3</b>	<b>21.8</b>	<b>7.6</b>	<b>6.5</b>
Black/African American	25	103,370	19.0	15.9	20.7	17.3	6.4	5.6
American Indian/Alaska Native	4	6,413	14.5	15.6	18.3	17.5	6.5	5.5
White	894	426,803	24.6	22.5	25.5	23.4	7.7	6.8
Hispanic/Latino	40	177,117	23.2	18.2	24.9	19.6	7.5	6.4
Asian	48	63,636	22.8	25.2	22.9	25.1	7.2	7.5
Native Hawaiian/Other Pacific Islander	2	3,602	16.5	17.3	21.0	18.2	7.0	6.1
Two or More Races	26	43,115	23.6	21.2	25.3	22.3	7.3	6.7
Prefer not/No Response	96	79,547	23.8	19.9	26.3	21.1	7.4	6.3
Males	500	421,102	23.8	20.3	24.9	21.5	7.4	6.3
Females	631	472,773	24.6	21.2	25.7	22.1	7.8	6.8
No Response	4	9,728	14.0	15.8	16.0	17.5	6.3	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
<b>All Students</b>	<b>1,135</b>	<b>903,603</b>	<b>23.5</b>	<b>19.9</b>	<b>76</b>	<b>50</b>
Black/African American	25	103,370	18.8	15.6	48	21
American Indian/Alaska Native	4	6,413	16.3	15.5	25	20
White	894	426,803	23.8	21.3	79	61
Hispanic/Latino	40	177,117	22.8	18.0	75	37
Asian	48	63,636	21.7	23.6	58	73
Native Hawaiian/Other Pacific Islander	2	3,602	18.5	17.0	50	31
Two or More Races	26	43,115	22.9	20.3	77	53
Prefer not/No Response	96	79,547	23.5	19.1	71	45
Males	500	421,102	23.0	19.3	71	47
Females	631	472,773	24.0	20.5	81	54
No Response	4	9,728	15.5	15.2	25	21

