



Profile Report - State

Graduating Class 2018

Montana



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.

Table of Contents

Section I: Executive Summary

Page 5

- Average Composite Scores: 5 Years of Testing
- Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing
- Percent Meeting STEM Benchmark: 5 Years of Testing
- Percent Taking A Core Curriculum: 5 Years of Testing
- Five Year Trends—Percent of Students Who Met College Readiness Benchmarks
- Five Year Trends—Average ACT Scores
- Five Year Trends—Average ACT Scores by Level of Preparation
- Five Year Trends—Percent and Average Composite Score by Race/Ethnicity
- Five Year Trends—Achievement in STEM
- Proficiency Toward Understanding Complex Text

Section II: Academic Achievement

Page 11

- Average ACT Composite Scores by Race and Core Curriculum Status
- ACT Score Distributions, Cumulative Percents, and Averages
- Subject Area Reporting Categories
- Average ACT Composite Scores for Race/Ethnicity by Level of Preparation
- Average ACT Scores by Race/Ethnicity
- Average ACT Composite Scores for Gender by Level of Preparation
- Average ACT Scores by Gender
- ACT Score Quartile Values

Section III: College Readiness & Impact of Course Rigor

Page 17

- Percent of Students Meeting 3 or 4 College Readiness Benchmarks by Core College Curriculum Status
- Percent of Students in College and Career Readiness Standards (CCRS) Score Ranges
- Percent of Students Who Met ACT College Readiness Benchmark Scores by Gender
- Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity
- Likely ACT National Career Readiness Certificate (NCRC) Level Based Upon ACT Composite Score
- College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum
- College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum
- College Readiness Benchmark Percent and Average ACT Scores by Common Course Patterns
- College Readiness Benchmark Percent and Average ACT Scores for Gender by Common Course Patterns

Section IV: Career and Educational Aspirations

Page 25

- Average ACT Composite Scores by Race and Student Postsecondary Aspirations
- Distribution of Planned Educational Majors for All Students by College Plans
- Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations
- Students' Score Report Preferences at Time of Testing

Section V: Optional Writing Test Results

Page 31

- Average ACT Writing Scores by Race/Ethnicity
- Average ACT Writing and English Language Arts Outcomes by Race/Ethnicity and Gender for Students Who Took Writing

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: 9,731

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

21% 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: 9,731 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. 26% 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 6% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 9% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 14% of these students were college ready. In comparison, 56% 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 14% of the cohort took less than three years of natural science courses. 17% of these students were college ready. In comparison, 48% 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 56% 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 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

Total Students in Report: 9,731

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

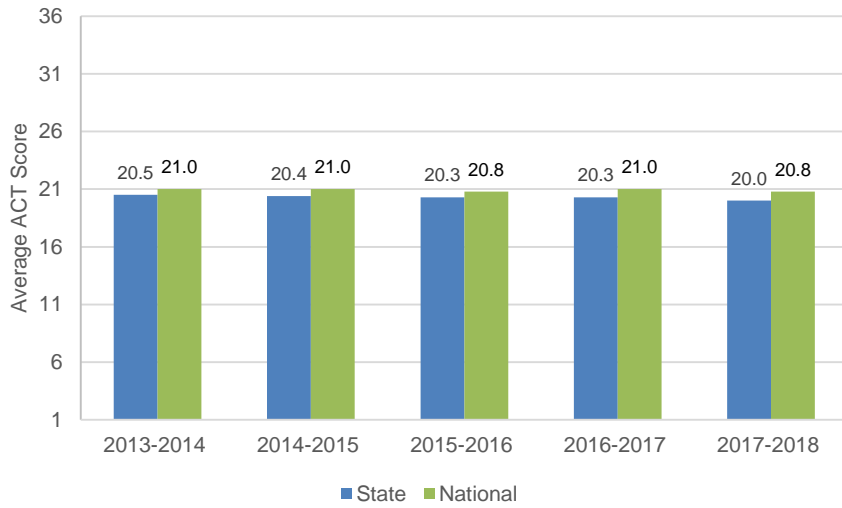


Figure 1.2. Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing*

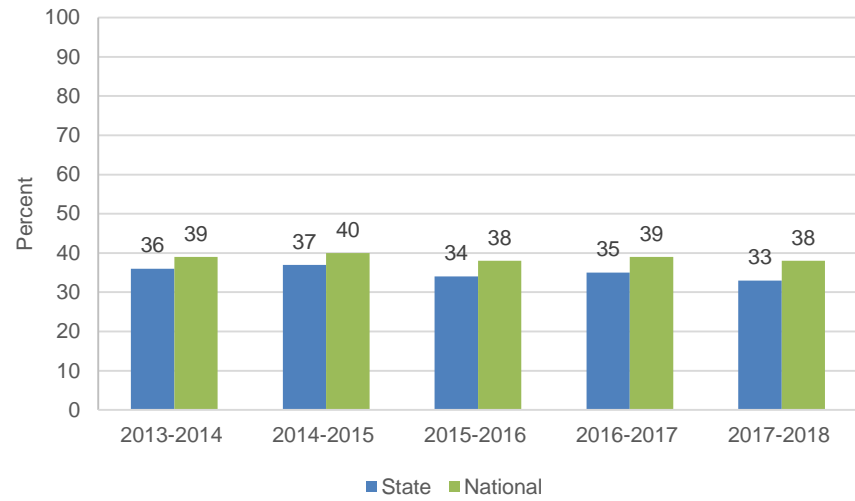


Figure 1.3. Percent Meeting STEM Benchmark: 5 Years of Testing*

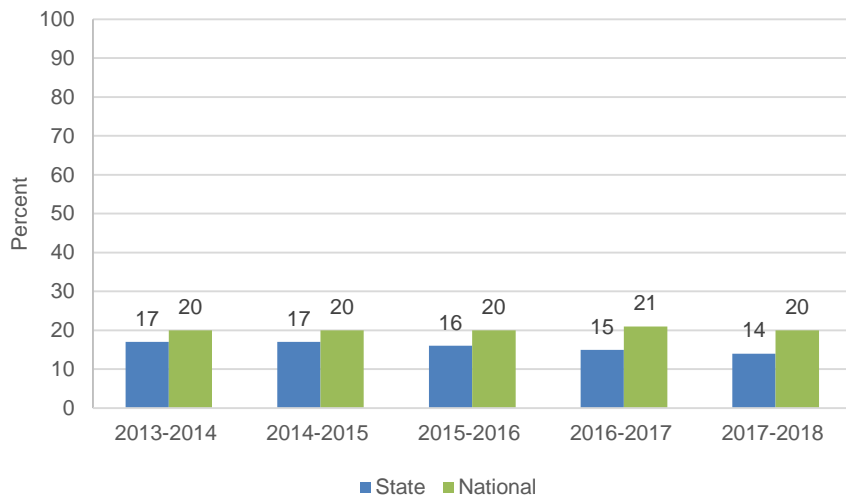
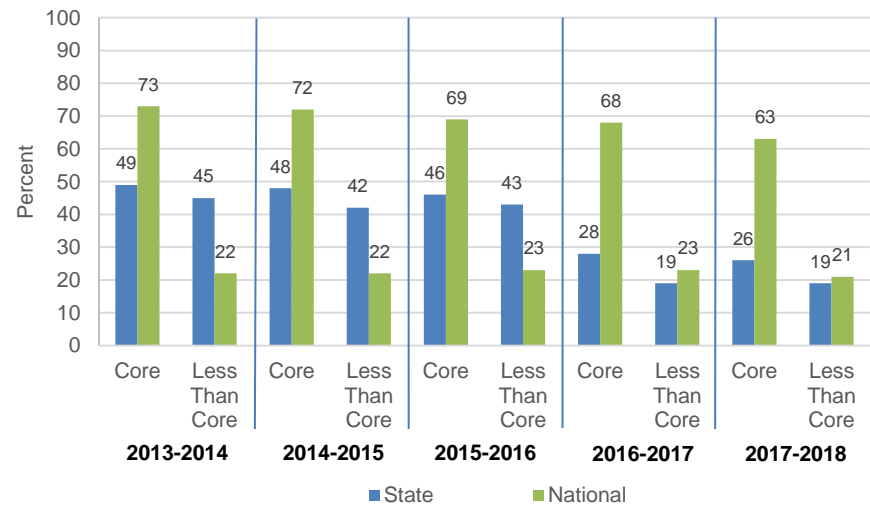


Figure 1.4. Percent Taking A Core Curriculum: 5 Years of Testing*



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

Total Students in Report: 9,731

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	9,611	1,845,787	60	64	39	43	44	44	33	37	23	26
2015	9,489	1,924,436	57	64	41	42	44	46	36	38	24	28
2016	9,568	2,090,342	56	61	38	41	41	44	32	36	22	26
2017	9,938	2,030,038	55	61	37	41	44	47	33	37	22	27
2018	9,731	1,914,817	52	60	35	40	41	46	32	36	21	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	9,611	1,845,787	19.3	20.3	20.5	20.9	21.1	21.3	20.4	20.8	20.5	21.0
2015	9,489	1,924,436	19.1	20.4	20.4	20.8	21.0	21.4	20.5	20.9	20.4	21.0
2016	9,568	2,090,342	19.0	20.1	20.2	20.6	20.8	21.3	20.5	20.8	20.3	20.8
2017	9,938	2,030,038	19.0	20.3	20.2	20.7	21.0	21.4	20.5	21.0	20.3	21.0
2018	9,731	1,914,817	18.7	20.2	19.9	20.5	20.7	21.3	20.0	20.7	20.0	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: 9,731

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	4,703	4,324	49	45	21.9	17.2	22.8	18.6	23.4	19.1	22.6	18.6	22.8	18.5
2015	4,595	4,002	48	42	21.5	16.9	22.5	18.5	23.2	19.1	22.5	18.7	22.6	18.4
2016	4,408	4,079	46	43	21.6	16.9	22.5	18.3	23.1	18.9	22.7	18.7	22.6	18.3
2017	2,737	1,931	28	19	22.1	17.7	22.7	18.9	23.6	19.7	22.9	19.2	23.0	19.0
2018	2,529	1,834	26	19	21.9	17.4	22.3	18.6	23.5	19.5	22.6	18.8	22.7	18.7

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	9,611	100	20.5	9,489	100	20.4	9,568	100	20.3	9,938	100	20.3	9,731	100	20.0
Black/African American	64	1	17.0	69	1	17.7	60	1	17.5	70	1	16.4	69	1	17.5
American Indian/Alaska Native	424	4	15.9	447	5	16.1	411	4	15.6	582	6	16.0	551	6	15.5
White	7,468	78	20.9	7,149	75	20.9	7,279	76	20.8	7,428	75	20.8	7,310	75	20.4
Hispanic/Latino	461	5	18.8	481	5	18.6	528	6	18.5	524	5	18.7	555	6	18.4
Asian	89	1	21.2	62	1	21.0	64	1	19.9	82	1	20.8	75	1	21.4
Native Hawaiian/Other Pacific Islander	29	0	17.5	23	0	19.0	24	0	18.1	32	0	18.6	18	0	18.1
Two or more races	464	5	20.1	472	5	20.1	467	5	19.9	568	6	19.9	522	5	19.8
Prefer not to respond/No response	612	6	20.2	786	8	20.1	735	8	19.7	652	7	19.7	631	6	19.9

Total Students in Report: 9,731

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	9,611	1,845,787	20.7	21.1	17	20	28.1	28.7	27.8	28.3
2015	9,489	1,924,436	20.7	21.1	17	20	28.1	28.7	28.0	28.4
2016	9,568	2,090,342	20.6	20.9	16	20	28.1	28.7	28.2	28.6
2017	9,938	2,030,038	20.6	21.1	15	21	27.9	28.7	28.3	28.7
2018	9,731	1,914,817	20.2	20.9	14	20	28.2	28.8	28.3	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	966	485,762	10	23	17.8	17.0	765	322,548	8	15	23.6	23.6	734	235,380	8	11	30.3	30.3
2017	5,293	999,708	53	49	16.6	16.2	2,935	596,096	30	29	23.5	23.4	1,704	427,075	17	21	30.5	30.8
2018	5,467	1,010,339	56	53	16.4	16.3	2,633	492,937	27	26	23.5	23.6	1,631	411,541	17	21	30.4	31.0

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

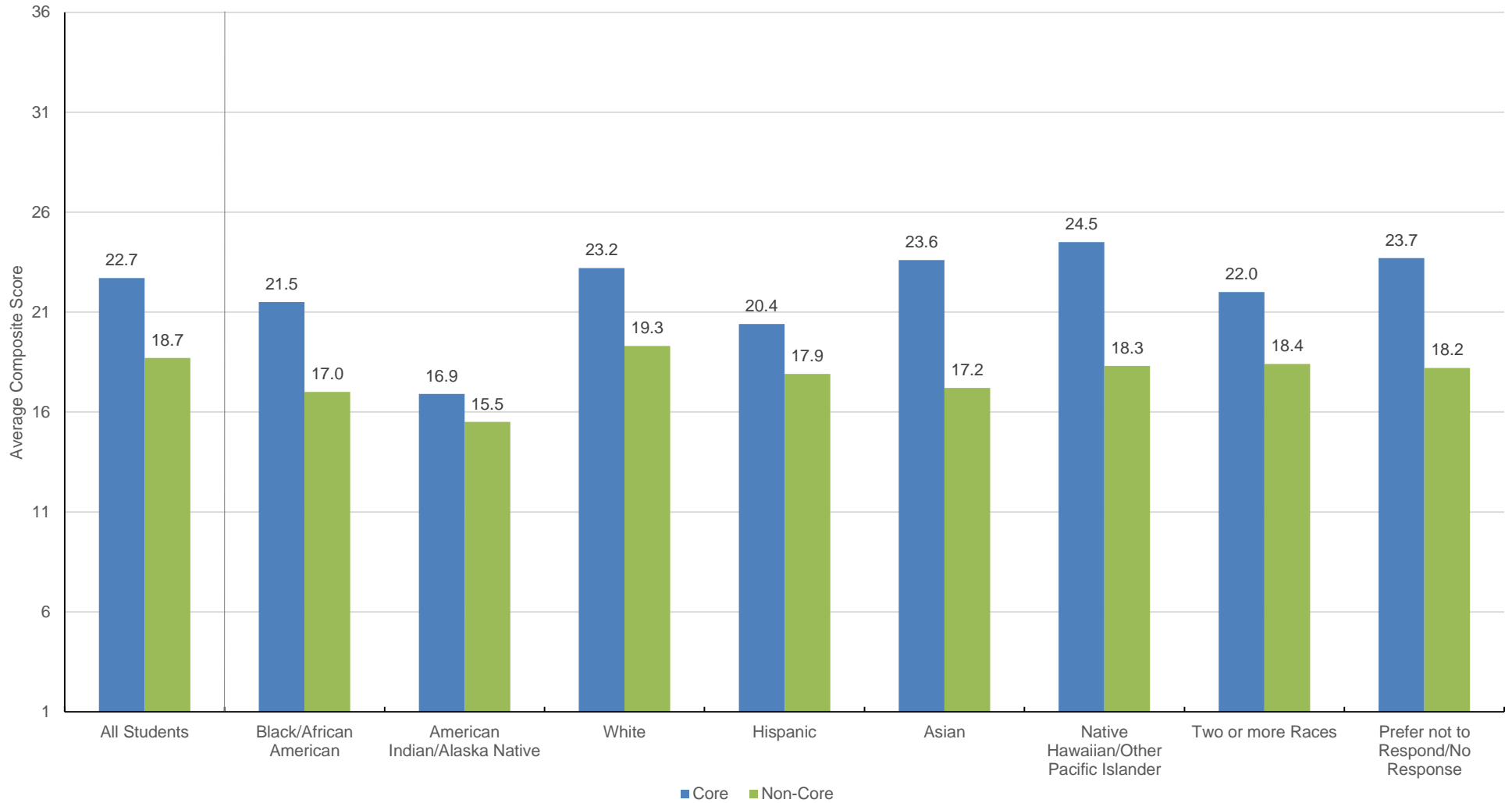
This page intentionally left blank.

Section II

Academic Achievement

Total Students in Report: 9,731

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: 9,731

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	44	100	12	100	58	100	23	100	4	100	10	100	0	100	36
35	122	99	30	99	115	99	49	99	24	99	21	99	6	100	35
34	87	98	47	99	125	98	25	99	43	99	39	99	16	99	34
33	65	97	44	99	239	97	84	99	75	99	55	99	39	99	33
32	65	97	82	99	198	94	95	98	95	98	79	99	59	99	32
31	133	96	67	98	205	92	62	97	119	98	84	98	73	99	31
30	107	95	79	97	223	90	106	97	137	96	121	97	96	98	30
29	81	94	163	96	177	88	128	95	166	95	157	96	124	97	29
28	163	93	245	95	113	86	160	94	193	93	180	94	151	95	28
27	176	91	300	92	247	85	203	92	280	91	273	92	192	94	27
26	132	89	457	89	258	83	248	90	297	88	369	90	207	91	26
25	328	88	419	84	518	80	547	88	393	85	466	86	297	89	25
24	432	85	594	80	339	75	596	82	410	81	565	81	341	86	24
23	507	80	519	74	699	71	812	76	584	77	594	75	411	82	23
22	401	75	344	69	479	64	506	68	650	71	576	69	488	77	22
21	752	71	486	65	745	59	858	63	614	64	593	63	529	72	21
20	483	63	363	60	482	51	489	54	664	58	675	57	583	66	20
19	491	58	596	56	505	46	898	49	741	51	801	50	667	59	19
18	481	53	665	50	747	41	800	39	762	44	871	42	662	51	18
17	508	48	1,139	43	452	33	480	31	755	36	879	33	615	44	17
16	751	43	1,421	32	745	29	678	26	680	28	794	24	589	37	16
15	772	35	905	17	384	21	587	19	634	21	630	16	555	30	15
14	733	27	558	8	367	17	316	13	574	15	439	9	475	24	14
13	462	20	133	2	510	13	325	10	430	9	275	5	464	19	13
12	419	15	34	1	304	8	201	7	281	4	136	2	419	13	12
11	460	11	15	1	260	5	160	5	95	1	29	1	287	9	11
10	234	6	8	1	101	2	203	3	16	1	13	1	205	5	10
9	202	4	1	1	76	1	44	1	10	1	2	1	116	3	9
8	89	1	1	1	30	1	30	1	5	1	4	1	95	2	8
7	36	1	2	1	3	1	8	1	0	1	1	1	38	1	7
6	11	1	2	1	11	1	4	1	0	1	0	1	15	1	6
5	3	1	0	1	10	1	1	1	0	1	0	1	4	1	5
4	1	1	0	1	2	1	4	1	0	1	0	1	1	1	4
3	0	1	0	1	2	1	1	1	0	1	0	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	0	1	0	1	1
Avg (SD)	18.7 (6.1)		19.9 (4.9)		20.7 (6.3)		20.0 (5.2)		20.0 (5.1)		20.2 (4.8)		18.6 (5.4)		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

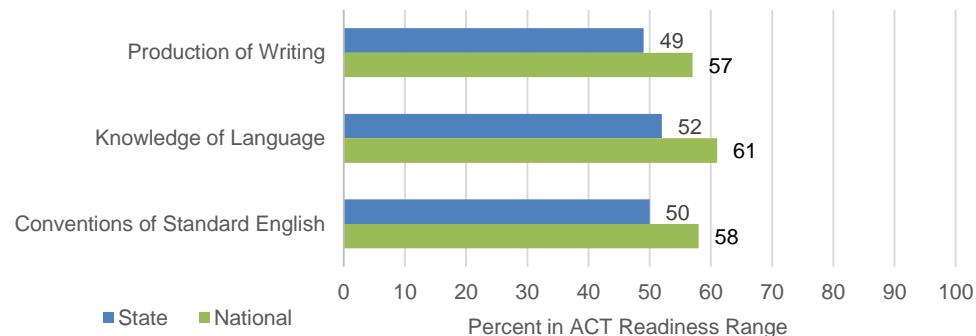


Figure 2.3. Math Reporting Categories¹

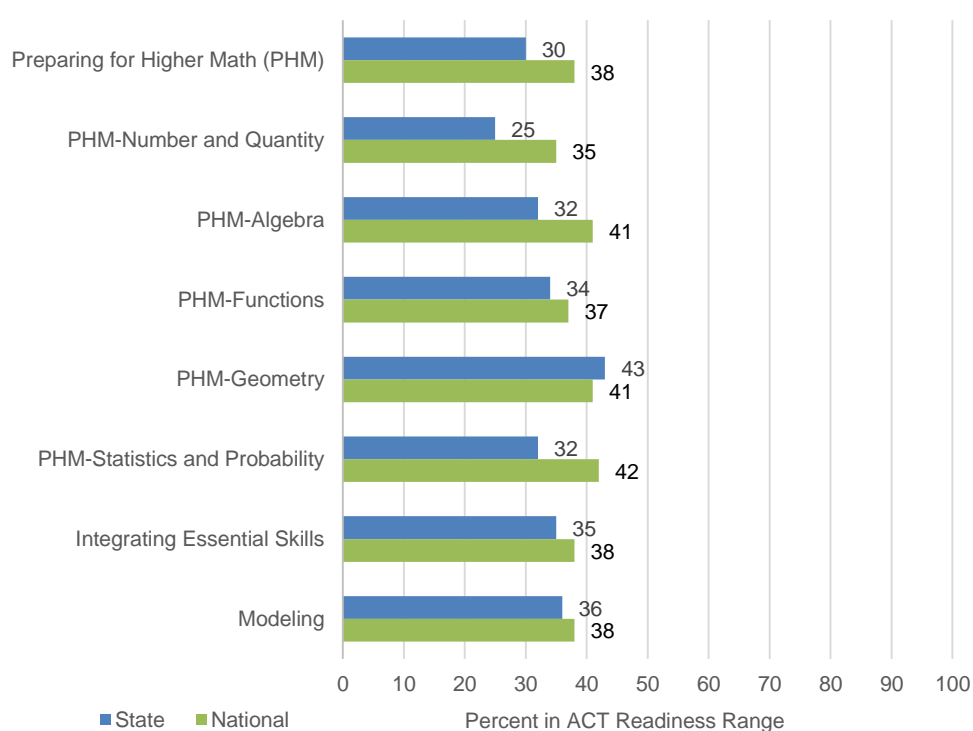


Figure 2.4. Reading Reporting Categories¹

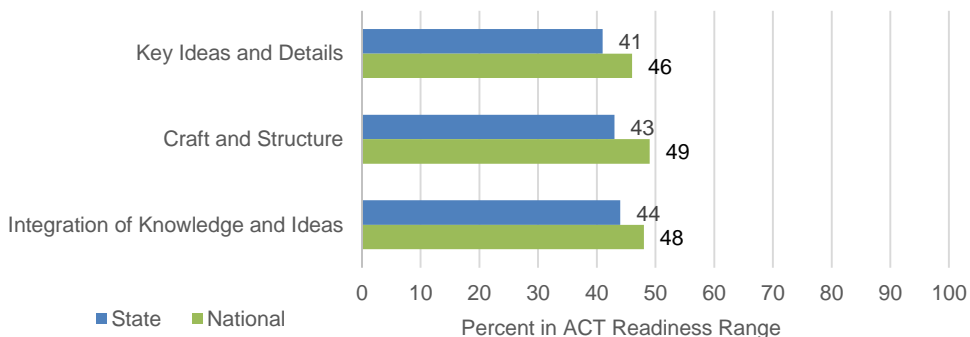
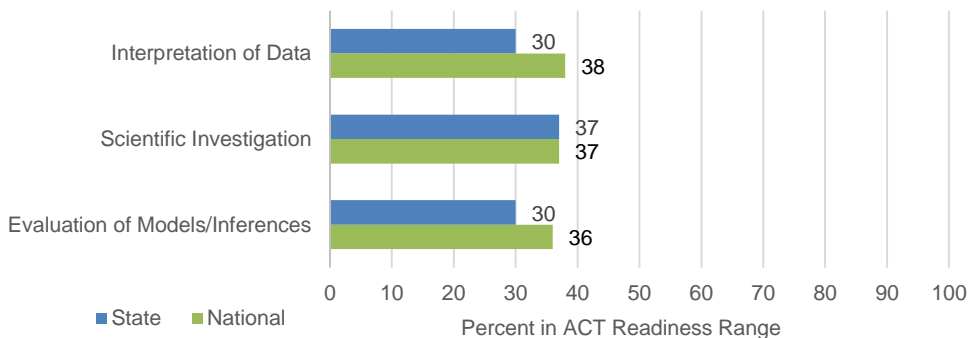


Figure 2.5. Science Reporting Categories¹



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: 9,731

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	9,731	26	22.7	18.7
	Black/African American	69	25	21.5	17.0
	American Indian/Alaska Native	551	25	16.9	15.5
	White	7,310	27	23.2	19.3
	Hispanic/Latino	555	20	20.4	17.9
	Asian	75	44	23.6	17.2
	Native Hawaiian/Other Pacific Islander	18	11	24.5	18.3
	Two or More Races	522	26	22.0	18.4
	Prefer not/No Response	631	18	23.7	18.2
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
State	All Students	9,731	100	18.7	19.9	20.7	20.0	20.0	20.2
	Black/African American	69	1	16.3	17.8	18.0	17.1	17.5	17.7
	American Indian/Alaska Native	551	6	13.5	16.0	16.1	15.8	15.5	16.1
	White	7,310	75	19.2	20.4	21.2	20.5	20.4	20.7
	Hispanic/Latino	555	6	16.8	18.5	19.0	18.6	18.4	18.8
	Asian	75	1	20.4	22.1	21.1	21.4	21.4	22.1
	Native Hawaiian/Other Pacific Islander	18	0	17.0	18.4	18.5	17.9	18.1	18.4
	Two or More Races	522	5	18.3	19.8	20.6	19.9	19.8	20.1
	Prefer not/No Response	631	6	18.6	19.7	20.7	19.8	19.9	20.0
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: 9,731

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	5,020	24	22.8	18.3
	Females	4,702	29	22.7	19.1
	No Response	9	11	16.0	.
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	5,020	52	17.9	20.2	20.1	20.0	19.7	20.3
	Females	4,702	48	19.5	19.7	21.2	20.1	20.2	20.1
	No Response	9	0	18.2	18.8	21.1	20.6	20.0	19.9
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

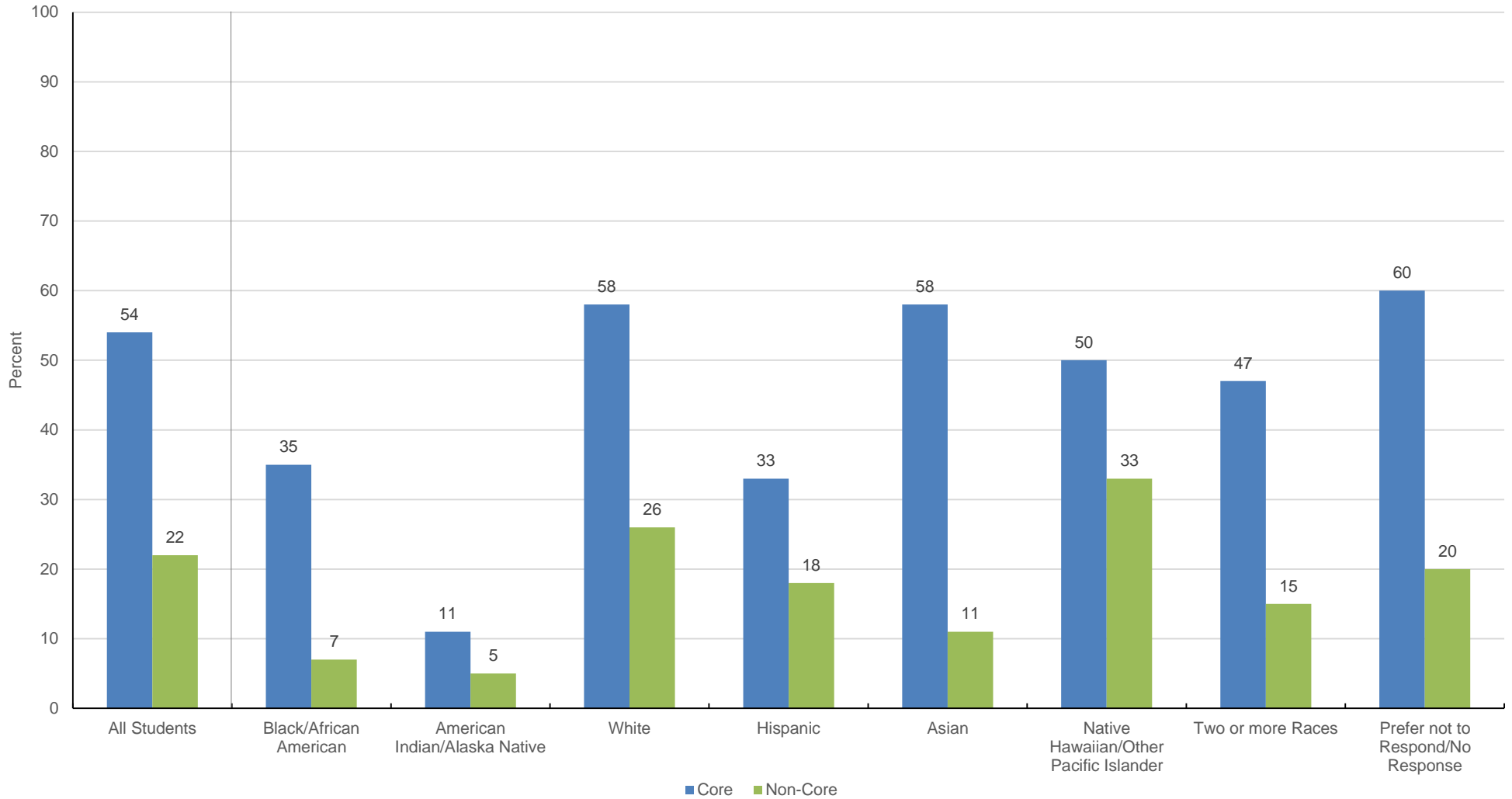
Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	23	24	25	23	23
Q2 (50th Percentile)	18	18	20	20	19
Q1 (25th Percentile)	14	16	16	16	16

Section III

College and Career Readiness and the Impact of Course Rigor

Total Students in Report: 9,731

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: 9,731

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	318	3	133	1	537	6	181	2
	28 to 32	549	6	636	7	916	9	551	6
	24 to 27	1,068	11	1,770	18	1,362	14	1,594	16
	20 to 23	2,143	22	1,712	18	2,405	25	2,665	27
	16 to 19	2,231	23	3,821	39	2,449	25	2,856	29
	13 to 15	1,967	20	1,596	16	1,261	13	1,228	13
	01 to 12	1,455	15	63	1	801	8	656	7
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	46	37	38	33	21
	Females	58	33	44	32	21
	No Response	56	22	56	33	22
National	Males	57	43	44	38	28
	Females	64	37	48	35	26
	No Response	38	18	25	17	10

Total Students in Report: 9,731

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	9,731	52	35	41	32	21	14
	Black/African American	69	33	14	26	14	4	3
	American Indian/Alaska Native	551	15	7	13	5	2	1
	White	7,310	56	38	44	35	23	16
	Hispanic/Latino	555	37	23	30	22	12	7
	Asian	75	61	51	47	41	33	28
	Native Hawaiian/Other Pacific Islander	18	33	28	33	28	28	11
	Two or More Races	522	49	34	40	32	18	11
	Prefer Not to Respond	631	49	32	42	32	23	17
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	1,826	19	28.0
	Silver	5,180	53	20.1
	Bronze	2,318	24	14.7
	Needs Improvement	407	4	11.6
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: 9,731

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	2,529	74	21.9	55	22.3	60	23.5	52	22.6	37	22.7	27	22.7
	Less than Core	1,834	43	17.4	24	18.6	33	19.5	22	18.8	12	18.7	7	18.9
	Missing ³	5,368	45	17.6	29	19.3	35	19.7	27	19.2	16	19.1	11	19.5
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	4,066	63	20.3	3,877	47	21.3	3,764	51	22.2	3,054	48	22.1
	Less than Core	429	32	16.0	548	7	16.4	687	32	19.1	1,379	17	18.2
	Missing ³	5,236	45	17.7	5,306	29	19.3	5,280	35	19.8	5,298	27	19.3
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: 9,731

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	732	8	21.5	70	323,956	17	22.1	72
Eng 9, Eng 10, Eng 11, Eng 12	3,334	34	20.0	61	1,203,175	63	20.8	64
Less than 4 years of English	429	4	16.0	32	91,187	5	16.1	34
Zero years / no English courses reported	5,236	54	17.7	45	296,499	15	16.9	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	247	3	24.0	70	99,215	5	23.2	62
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	348	4	22.4	62	125,955	7	21.5	51
Alg 1, Alg 2, Geom, & Trig	260	3	19.7	32	89,147	5	19.0	27
Alg 1, Alg 2, Geom, & Other Adv Math	692	7	20.7	42	321,541	17	19.2	29
Other comb of 4 or more years of Math	1,256	13	23.9	68	609,514	32	23.8	65
Alg 1, Alg 2, & Geom	845	9	17.7	14	187,368	10	16.9	10
Other comb of 3 or 3.5 years of Math	229	2	20.0	34	95,397	5	19.6	33
Less than 3 years of Math	548	6	16.4	7	83,960	4	16.2	8
Zero years / no Math courses reported	5,306	55	19.3	29	302,720	16	18.1	22
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	411	4	22.1	51	46,135	2	22.2	50
Other comb of 4 or more years Social Science	1,082	11	22.6	54	813,270	42	22.7	54
US Hist, World Hist, & Am Gov	1,054	11	21.4	45	111,031	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	1,217	13	22.5	52	460,337	24	21.7	48
Less than 3 years of Social Science	687	7	19.1	32	181,701	9	19.7	35
Zero years / no Social Science courses reported	5,280	54	19.8	35	302,343	16	18.4	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,255	13	23.1	56	705,397	37	22.4	48
Bio, Chem, Phys	184	2	23.7	61	193,793	10	23.3	54
Gen Sci ¹ , Bio, Chem	1,404	14	21.3	42	444,093	23	20.1	30
Other comb of 3 years of Natural Science	211	2	20.8	35	46,706	2	18.9	23
Less than 3 years of Natural Science	1,379	14	18.2	17	220,831	12	18.1	18
Zero years / no Natural Science courses reported	5,298	54	19.3	27	303,997	16	18.2	20

¹Includes General, Physical and Earth Sciences.

Total Students in Report: 9,731

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	732	8	21.5	70	308	6	20.4	62	424	9	22.2	75
Eng 9, Eng 10, Eng 11, Eng 12	3,334	34	20.0	61	1,659	33	19.3	56	1,674	36	20.7	66
Less than 4 years of English	429	4	16.0	32	254	5	15.4	26	175	4	16.8	41
Zero years / no English courses reported	5,236	54	17.7	45	2,799	56	17.0	40	2,429	52	18.4	51
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	247	3	24.0	70	132	3	24.6	74	115	2	23.3	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	348	4	22.4	62	125	2	22.8	62	223	5	22.2	61
Alg 1, Alg 2, Geom, & Trig	260	3	19.7	32	140	3	19.9	35	120	3	19.5	29
Alg 1, Alg 2, Geom, & Other Adv Math	692	7	20.7	42	268	5	21.1	46	424	9	20.5	40
Other comb of 4 or more years of Math	1,256	13	23.9	68	626	12	24.6	71	630	13	23.2	65
Alg 1, Alg 2, & Geom	845	9	17.7	14	444	9	18.1	17	400	9	17.3	10
Other comb of 3 or 3.5 years of Math	229	2	20.0	34	127	3	20.7	40	102	2	19.1	25
Less than 3 years of Math	548	6	16.4	7	324	6	16.7	9	224	5	16.1	4
Zero years / no Math courses reported	5,306	55	19.3	29	2,834	56	19.6	32	2,464	52	19.0	27
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	411	4	22.1	51	202	4	21.0	43	208	4	23.1	59
Other comb of 4 or more years Social Science	1,082	11	22.6	54	477	10	22.4	53	605	13	22.8	55
US Hist, World Hist, & Am Gov	1,054	11	21.4	45	571	11	20.5	40	483	10	22.4	51
Other comb of 3 or 3.5 years of Social Science	1,217	13	22.5	52	549	11	22.4	52	668	14	22.6	52
Less than 3 years of Social Science	687	7	19.1	32	396	8	18.8	29	291	6	19.5	37
Zero years / no Social Science courses reported	5,280	54	19.8	35	2,825	56	19.3	33	2,447	52	20.3	38
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ¹ , Bio, Chem, & Phys	1,255	13	23.1	56	653	13	23.5	59	602	13	22.5	52
Bio, Chem, Phys	184	2	23.7	61	109	2	23.8	61	75	2	23.6	61
Gen Sci ² , Bio, Chem	1,404	14	21.3	42	561	11	21.2	40	842	18	21.4	43
Other comb of 3 years of Natural Science	211	2	20.8	35	143	3	21.3	39	68	1	19.7	25
Less than 3 years of Natural Science	1,379	14	18.2	17	717	14	17.9	16	662	14	18.5	18
Zero years / no Natural Science courses reported	5,298	54	19.3	27	2,837	57	19.2	28	2,453	52	19.3	26

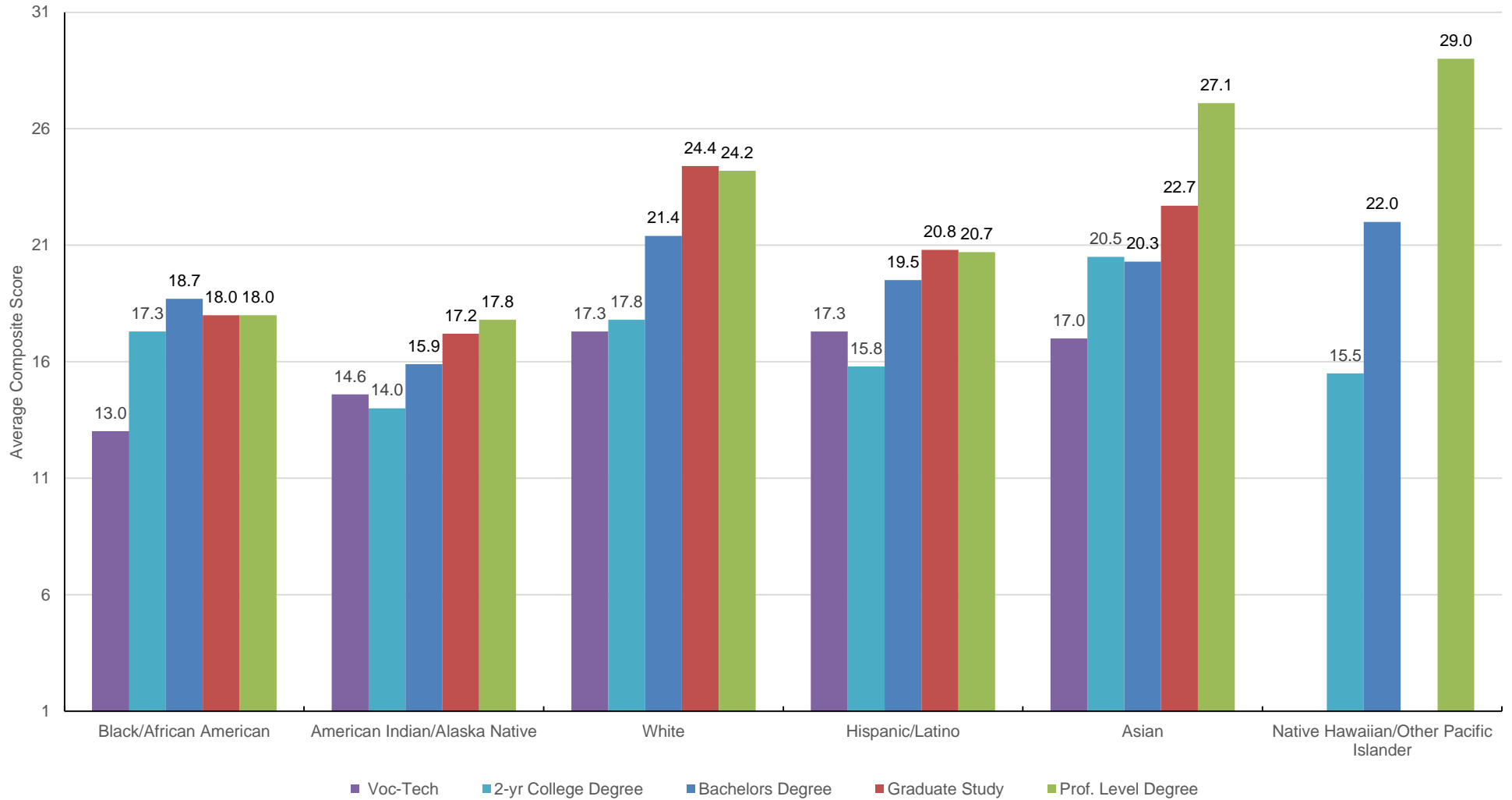
¹Includes General, Physical and Earth Sciences.

This page intentionally left blank.

Section IV

Career and Educational Aspirations

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: 9,731

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	174	2	19.1	50	10	16.6	116	3	20.2
Architecture	48	0	20.8	7	1	16.0	37	1	21.9
Area, Ethnic, & Multidisciplinary Studies	7	0	18.6	0	0	.	6	0	18.8
Arts: Visual & Performing	321	3	20.2	47	10	17.7	248	7	20.9
Business	300	3	21.3	22	4	20.0	259	8	21.4
Communications	38	0	22.7	1	0	14.0	37	1	22.9
Community, Family, & Personal Services	113	1	17.7	31	6	17.2	61	2	18.6
Computer Science & Mathematics	133	1	23.3	10	2	20.6	110	3	23.9
Education	252	3	20.4	13	3	15.4	220	7	20.7
Engineering	384	4	23.6	23	5	18.2	340	10	24.1
Engineering Technology & Drafting	55	1	19.7	14	3	15.9	37	1	21.6
English & Foreign Languages	66	1	23.5	1	0	14.0	61	2	24.0
Health Administration & Assisting	87	1	19.9	13	3	18.2	67	2	20.4
Health Sciences & Technologies	823	8	21.2	54	11	17.9	740	22	21.5
Philosophy, Religion, & Theology	28	0	21.8	7	1	17.7	20	1	23.6
Repair, Production, & Construction	177	2	17.3	93	19	17.2	62	2	17.9
Sciences: Biological & Physical	255	3	23.4	4	1	14.5	239	7	23.6
Social Sciences & Law	295	3	22.0	6	1	16.7	270	8	22.3
Undecided	584	6	21.0	68	14	16.0	394	12	22.0
No Response	5,575	57	19.1	23	5	16.3	29	1	16.7

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: 9,731

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	129	16.9	1	13.0	11	14.6	89	17.3	8	17.3
2-yr College Degree	364	17.3	3	17.3	30	14.0	262	17.8	24	15.8
Bachelors Degree	2,118	20.8	22	18.7	140	15.9	1,658	21.4	99	19.5
Graduate Study	526	23.7	1	18.0	30	17.2	427	24.4	23	20.8
Prof. Level Degree	716	23.5	3	18.0	45	17.8	534	24.2	37	20.7
Other	153	16.4	1	22.0	12	13.8	111	16.6	6	16.0
No Response	5,725	19.2	38	16.7	283	15.0	4,229	19.5	358	17.9

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	129	16.9	2	17.0	0	.	7	17.4	11	15.5
2-yr College Degree	364	17.3	2	20.5	2	15.5	22	17.0	19	16.8
Bachelors Degree	2,118	20.8	17	20.3	2	22.0	116	20.3	64	20.1
Graduate Study	526	23.7	7	22.7	0	.	22	21.8	16	24.1
Prof. Level Degree	716	23.5	13	27.1	1	29.0	56	22.8	27	22.6
Other	153	16.4	0	.	0	.	10	16.6	13	16.2
No Response	5,725	19.2	34	19.8	13	17.0	289	19.2	481	19.8

Total Students in Report: 9,731

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
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	4,015	1,849	2,166	2	10	30	31	18	9	1
UNIVERSITY OF MONTANA	Montana	3,468	1,286	2,182	2	14	32	30	14	6	1
MONTANA STATE UNIVERSITY-BILLINGS	Montana	1,435	473	962	5	18	37	27	10	3	0
MONTANA TECH OF THE UNIV OF MONTANA	Montana	1,150	367	783	2	14	30	30	17	6	1
CARROLL COLLEGE	Montana	716	156	560	2	10	28	29	19	10	1
UNIVERSITY OF MONTANA WESTERN	Montana	687	182	505	3	20	42	25	9	1	0
STATE-NO COLLEGE PLANS	Iowa	674	674	0	15	40	31	10	3	1	0
ROCKY MOUNTAIN COLLEGE	Montana	586	108	478	4	16	34	31	11	4	0
MONTANA STATE UNIVERSITY-NORTHERN	Montana	580	193	387	6	27	38	20	7	2	0
FLATHEAD VALLEY COMMUNITY COLLEGE	Montana	573	268	305	3	25	39	24	8	1	0
UNIVERSITY OF WASHINGTON	Washington	478	89	389	0	5	19	30	24	16	4
GREAT FALLS COLLEGE/MSU	Montana	440	139	301	4	26	37	22	8	3	0
UNIVERSITY OF PROVIDENCE	Montana	403	76	327	3	23	38	24	9	3	0
UNIVERSITY OF MONTANA-HELENA C OF TECH	Montana	321	106	215	4	22	40	23	8	3	0
MONTANA BIBLE COLLEGE	Montana	297	111	186	3	20	36	29	8	4	1
UNIVERSITY OF OREGON	Oregon	283	53	230	1	10	24	35	18	9	2
ARIZONA STATE UNIVERSITY	Arizona	251	67	184	2	14	31	33	15	6	0
GONZAGA UNIVERSITY	Washington	243	58	185	2	5	24	27	24	14	2
WASHINGTON STATE UNIVERSITY	Washington	212	38	174	0	6	20	37	23	11	3
NCAA ELIGIBILITY CENTER	Indiana	194	41	153	3	8	26	33	17	12	1
BOISE STATE UNIVERSITY	Idaho	187	43	144	2	6	33	40	14	5	0
MILES COMMUNITY COLLEGE	Montana	185	58	127	8	15	46	24	5	2	0
DICKINSON STATE UNIVERSITY	North Dakota	161	16	145	2	21	39	30	6	2	0
OREGON STATE UNIVERSITY	Oregon	141	18	123	2	9	33	26	21	6	4
UNLISTED INSTITUTION/NO CODE (H)	District of Columbia	140	58	82	13	31	23	22	8	4	0
NORTHWEST COLLEGE	Wyoming	138	38	100	4	20	36	30	7	2	1
UNIVERSITY OF UTAH	Utah	132	24	108	1	6	16	33	21	21	2
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	130	57	73	1	9	18	36	21	14	1
BRIGHAM YOUNG UNIVERSITY	Utah	127	53	74	0	5	9	35	22	27	2
SHERIDAN COLLEGE	Wyoming	119	34	85	4	19	39	28	8	1	0
All Other Institutions		9,048	1,902	7,146	3	13	27	26	18	10	3
Total		27,514	8,635	18,879	3	15	30	28	15	8	1

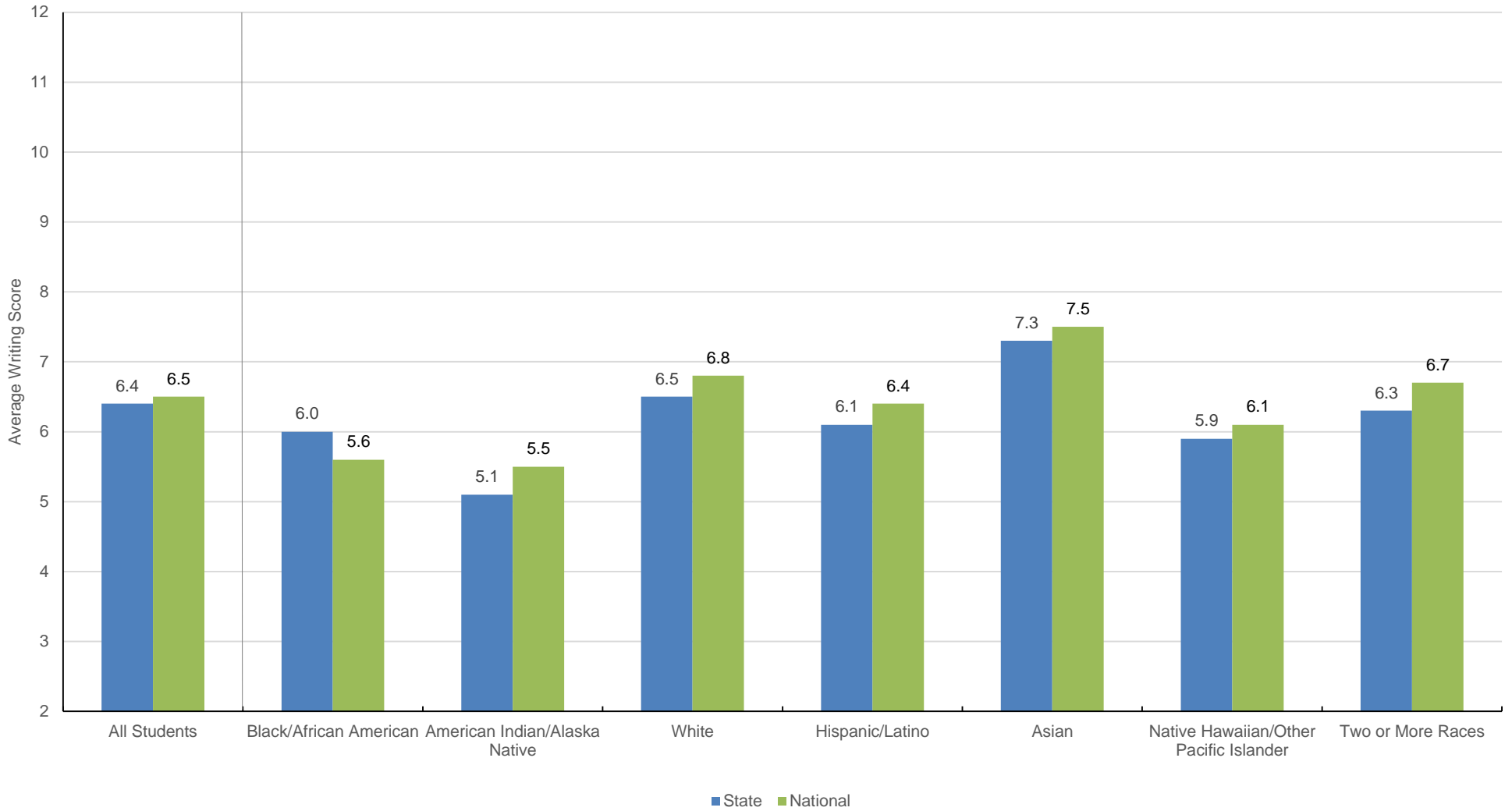
This page intentionally left blank.

Section V

Optional Writing Test Results

Total Students in Report: 9,731

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



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

Total Students in Report: 9,731

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	8,819	903,603	18.3	20.7	20.4	21.8	6.4	6.5
Black/African American	61	103,370	16.0	15.9	17.6	17.3	6.0	5.6
American Indian/Alaska Native	523	6,413	13.4	15.6	15.9	17.5	5.1	5.5
White	6,548	426,803	18.9	22.5	20.9	23.4	6.5	6.8
Hispanic/Latino	528	177,117	16.7	18.2	18.9	19.6	6.1	6.4
Asian	62	63,636	20.0	25.2	20.6	25.1	7.3	7.5
Native Hawaiian/Other Pacific Islander	18	3,602	17.0	17.3	18.5	18.2	5.9	6.1
Two or More Races	482	43,115	18.0	21.2	20.3	22.3	6.3	6.7
Prefer not/No Response	597	79,547	18.5	19.9	20.7	21.1	6.4	6.3
Males	4,592	421,102	17.6	20.3	19.9	21.5	6.1	6.3
Females	4,218	472,773	19.2	21.2	20.9	22.1	6.7	6.8
No Response	9	9,728	18.2	15.8	21.1	17.5	6.0	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	8,819	903,603	18.6	19.9	41	50
Black/African American	61	103,370	16.3	15.6	20	21
American Indian/Alaska Native	523	6,413	13.9	15.5	10	20
White	6,548	426,803	19.1	21.3	45	61
Hispanic/Latino	528	177,117	17.2	18.0	30	37
Asian	62	63,636	20.4	23.6	53	73
Native Hawaiian/Other Pacific Islander	18	3,602	16.8	17.0	33	31
Two or More Races	482	43,115	18.4	20.3	36	53
Prefer not/No Response	597	79,547	18.8	19.1	41	45
Males	4,592	421,102	17.8	19.3	35	47
Females	4,218	472,773	19.4	20.5	47	54
No Response	9	9,728	18.4	15.2	44	21

