



Profile Report - State

Graduating Class 2023

Missouri



Total Students in Report: 47,572

New to your 2023 Profile Report

For 2022-2023, contents of the ACT Profile Report remain consistent with last year.

Total Students in Report: 47,572

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Total Students in Report: 47,572

We are pleased to provide this 2023 Graduating Class ACT Profile Report. This report summarizes the preparation and performance of your 2023 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: 47,572

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.

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

Total Students in Report: 47,572

How to Improve Scores and Increase College Readiness

20% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 47,572 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. 44% 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 3.7 reports 5% of the cohort took less than three years of math courses. Of these students, 6% were college ready. 12% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 8% of these students were college ready. In comparison, 45% 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 3.7 reports 19% of the cohort took less than three years of natural science courses. 25% of these students were college ready. In comparison, 44% 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 63% 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 Care at 319-337-1365 or hs.reporting@act.org.

Total Students in Report: 47,572

Section I

Executive Summary

Total Students in Report: 47,572

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

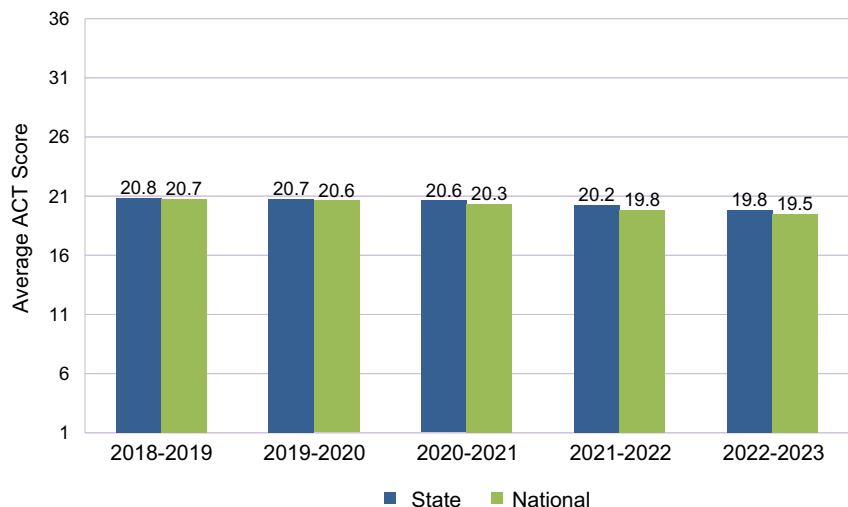


Figure 1.2. Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing*

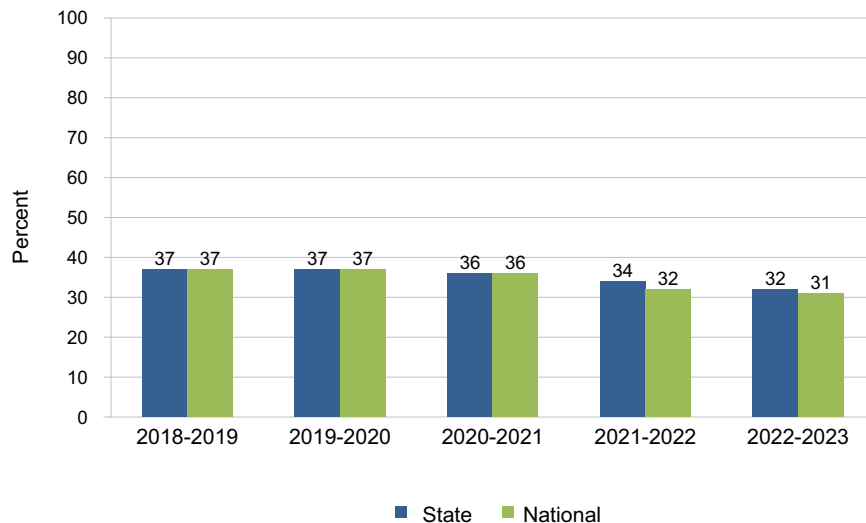


Figure 1.3. Percent Meeting STEM Benchmark: 5 Years of Testing*

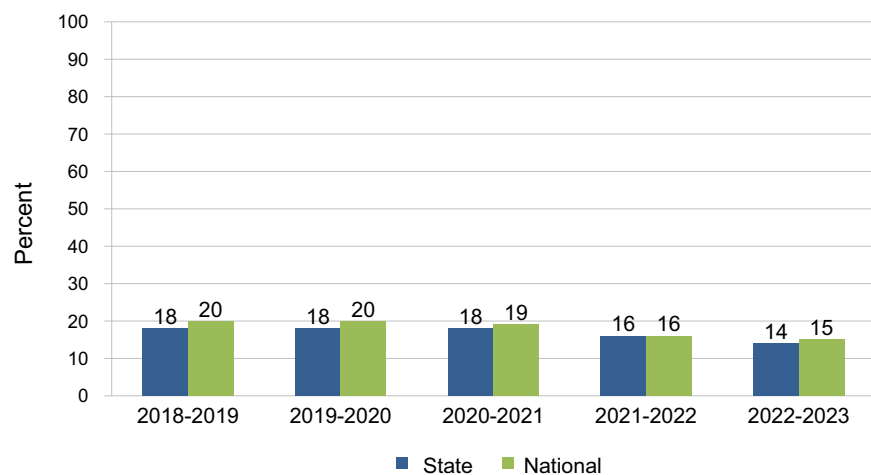
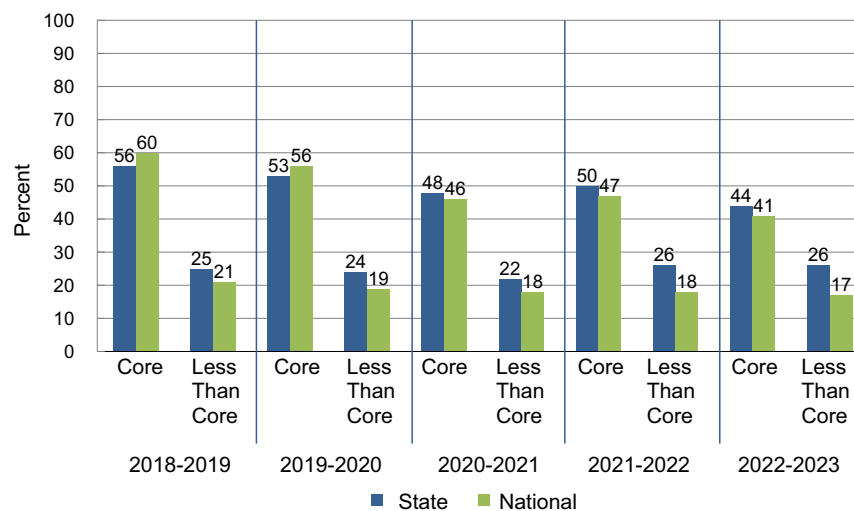


Figure 1.4. Percent Taking A Core Curriculum: 5 Years of Testing*



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

Total Students in Report: 47,572

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
2019	56,238	1,782,820	62	59	37	39	45	45	36	36	25	26
2020	53,374	1,670,497	60	58	36	37	45	45	36	36	24	26
2021	45,530	1,295,349	59	56	35	36	46	44	36	35	24	25
2022	47,491	1,349,644	57	53	32	31	44	41	35	32	22	22
2023	47,572	1,386,335	54	51	30	30	42	40	33	31	20	21

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
2019	56,238	1,782,820	20.3	20.1	20.2	20.4	21.3	21.2	20.8	20.6	20.8	20.7
2020	53,374	1,670,497	20.1	19.9	20.1	20.2	21.3	21.2	20.8	20.6	20.7	20.6
2021	45,530	1,295,349	19.9	19.6	19.9	19.9	21.3	20.9	20.7	20.4	20.6	20.3
2022	47,491	1,349,644	19.5	19.0	19.5	19.3	21.0	20.4	20.4	19.9	20.2	19.8
2023	47,572	1,386,335	19.0	18.6	19.2	19.0	20.6	20.1	20.1	19.6	19.8	19.5

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		Average ACT Scores				
	State	National	English	Mathematics	Reading	Science	Composite
2019	56,238	1,782,820	20.1	20.4	21.2	20.6	20.7
2020	53,374	1,670,497	19.9	20.2	21.2	20.6	20.6
2021	45,530	1,295,349	19.6	19.9	20.9	20.4	20.3
2022	47,491	1,349,644	19.0	19.3	20.4	19.9	19.8
2023	47,572	1,386,335	18.6	19.0	20.1	19.6	19.5

Total Students in Report: 47,572

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
2019	31,501	14,056	56	25	22.0	18.6	21.4	18.7	22.7	19.9	22.0	19.4	22.2	19.3
2020	28,432	12,619	53	24	21.9	18.7	21.4	18.8	22.8	20.1	22.1	19.6	22.2	19.4
2021	21,790	10,236	48	22	22.0	18.7	21.5	18.8	23.1	20.3	22.3	19.6	22.4	19.5
2022	23,685	12,517	50	26	21.6	18.7	21.1	18.8	22.9	20.4	22.1	19.7	22.1	19.5
2023	20,758	12,378	44	26	21.3	18.5	21.1	18.6	22.7	20.3	22.0	19.6	21.9	19.4

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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

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

Race/Ethnicity	N	2019			2020			2021			2022			2023		
		%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	
All Students	56,238	100	20.8	53,374	100	20.7	45,530	100	20.6	47,491	100	20.2	47,572	100	19.8	
Black/African American	6,504	12	16.7	6,156	12	16.6	4,388	10	16.4	4,849	10	16.2	5,228	11	15.7	
American Indian/Alaska Native	257	0	18.6	232	0	18.1	180	0	18.2	188	0	17.8	221	0	18.6	
White	36,227	64	21.8	34,459	65	21.6	30,201	66	21.5	32,027	67	21.2	32,154	68	20.7	
Hispanic/Latino	3,410	6	19.2	3,464	6	18.9	2,878	6	18.9	3,177	7	18.5	3,411	7	18.3	
Asian	1,320	2	23.7	1,337	3	23.8	1,195	3	24.1	1,261	3	23.8	1,271	3	23.2	
Native Hawaiian/Other Pacific Islander	101	0	18.8	86	0	17.8	73	0	17.6	77	0	17.3	92	0	16.7	
Two or more races	2,455	4	20.7	2,392	4	20.4	1,849	4	20.7	2,104	4	20.4	2,240	5	19.8	
Prefer not to respond/No response	5,964	11	19.8	5,248	10	19.8	4,766	10	19.0	3,808	8	17.9	2,955	6	17.8	

Total Students in Report: 47,572

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
2019	56,238	1,782,820	20.7	20.7	18	20	28.4	28.9	29.0	29.0
2020	53,374	1,670,497	20.7	20.6	18	20	28.4	28.9	29.0	29.1
2021	45,530	1,295,349	20.6	20.4	18	19	28.4	28.9	29.1	29.2
2022	47,491	1,349,644	20.2	19.9	16	16	28.3	28.8	29.0	29.1
2023	47,572	1,386,335	19.9	19.6	14	15	28.1	28.7	28.9	29.1

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	State	National
2019	29,810	950,826	53	53	16.6	16.2	14,896	455,611	26	26	23.5	23.6	11,532	376,383	21	21	30.7	31.0	
2020	29,019	903,921	54	54	16.5	16.1	13,124	398,982	25	24	23.6	23.6	11,231	367,594	21	22	30.8	31.1	
2021	24,376	711,705	54	55	16.4	15.8	11,729	318,182	26	25	23.8	23.8	9,425	265,462	21	20	31.0	31.3	
2022	25,896	770,624	55	57	16.3	15.6	12,097	318,327	25	24	23.5	23.5	9,498	260,693	20	19	30.8	31.0	
2023	26,460	793,815	56	57	16.0	15.3	12,237	334,268	26	24	23.4	23.3	8,875	258,252	19	19	30.5	30.7	

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

Total Students in Report: 47,572

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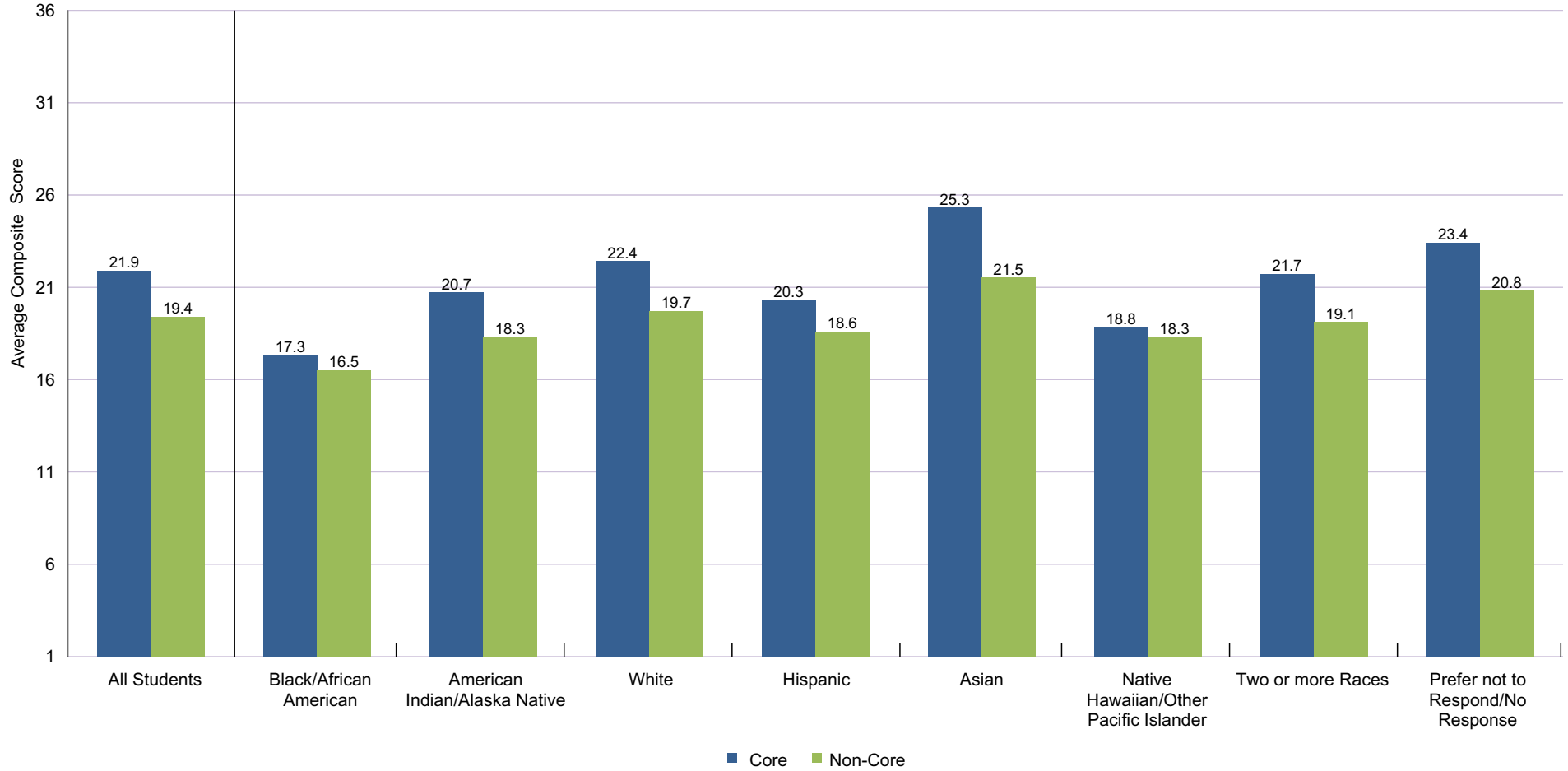
Total Students in Report: 47,572

Section II

Academic Achievement

Total Students in Report: 47,572

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: 47,572

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

ACT Score	English		Mathematics		Reading		Science		Composite		STEM		ELA ²		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
36	245	100	89	100	608	100	182	100	68	100	98	100	0	100	36
35	836	99	243	99	648	99	255	99	201	99	170	99	2	100	35
34	652	98	188	99	778	97	373	99	283	99	237	99	5	99	34
33	528	96	228	99	898	96	361	98	348	99	288	99	9	99	33
32	420	95	257	98	1,051	94	409	98	574	98	358	98	17	99	32
31	471	94	467	98	960	92	610	97	589	97	486	98	27	98	31
30	631	93	429	97	992	90	501	95	753	96	600	97	36	97	30
29	693	92	622	96	1,118	88	724	94	849	94	758	95	39	95	29
28	849	91	921	95	1,282	85	831	93	1,132	92	996	94	47	93	28
27	821	89	1,527	93	978	82	960	91	1,253	90	1,207	92	52	91	27
26	1,202	87	1,739	90	1,482	80	1,619	89	1,519	87	1,627	89	55	89	26
25	1,566	85	2,016	86	1,536	77	1,955	86	1,779	84	2,030	86	80	86	25
24	2,086	81	1,877	82	1,927	74	3,221	82	2,137	80	2,149	81	83	82	24
23	2,151	77	1,771	78	2,633	70	3,496	75	2,395	76	2,292	77	104	78	23
22	2,240	72	1,714	74	3,034	64	2,863	67	2,738	71	2,447	72	121	73	22
21	2,911	68	1,669	70	3,105	58	3,149	61	2,911	65	2,863	67	135	67	21
20	2,974	62	1,987	67	2,650	52	3,114	55	3,202	59	3,373	61	144	60	20
19	2,519	55	2,382	63	2,620	46	3,354	48	3,278	52	3,629	54	158	53	19
18	2,063	50	3,555	58	2,543	41	3,660	41	3,437	45	4,175	46	128	45	18
17	2,028	46	4,865	50	2,159	35	3,202	33	3,311	38	4,345	37	176	39	17
16	2,705	41	6,733	40	2,356	31	3,158	27	3,244	31	4,235	28	141	30	16
15	3,408	36	5,466	26	1,949	26	2,522	20	3,198	24	3,582	19	112	24	15
14	2,970	29	4,042	14	2,675	22	1,830	15	2,960	18	2,599	12	111	18	14
13	2,056	22	1,691	6	1,992	16	1,804	11	2,652	11	1,745	6	103	13	13
12	1,987	18	647	2	2,488	12	1,219	7	1,768	6	826	3	55	8	12
11	2,542	14	198	1	1,626	7	1,058	5	697	2	268	1	50	5	11
10	2,355	8	99	1	845	3	615	2	186	1	110	1	25	2	10
9	870	3	63	1	313	1	260	1	57	1	36	1	10	1	9
8	433	2	34	1	172	1	125	1	28	1	19	1	8	1	8
7	177	1	22	1	72	1	79	1	12	1	10	1	2	1	7
6	98	1	11	1	28	1	34	1	7	1	4	1	2	1	6
5	48	1	8	1	30	1	7	1	5	1	2	1	1	1	5
4	23	1	5	1	15	1	10	1	0	1	5	1	0	1	4
3	6	1	2	1	2	1	7	1	0	1	1	1	0	1	3
2	4	1	0	1	6	1	0	1	1	1	1	1	0	1	2
1	4	1	5	1	1	1	5	1	0	1	1	1	0	1	1
Avg (SD)	19.0 (6.6)		19.2 (5.1)		20.6 (6.7)		20.1 (5.4)		19.8 (5.4)		19.9 (5.0)		19.5 (5.3)		Avg (SD)

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

²ELA 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.

Total Students in Report: 47,572

Figure 2.2. English Reporting Categories

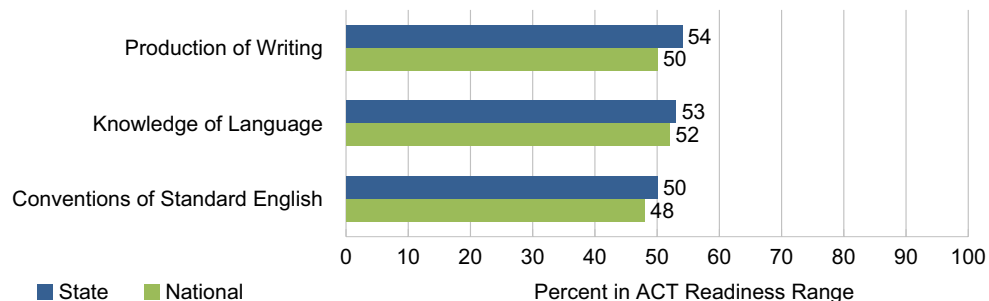


Figure 2.3. Math Reporting Categories

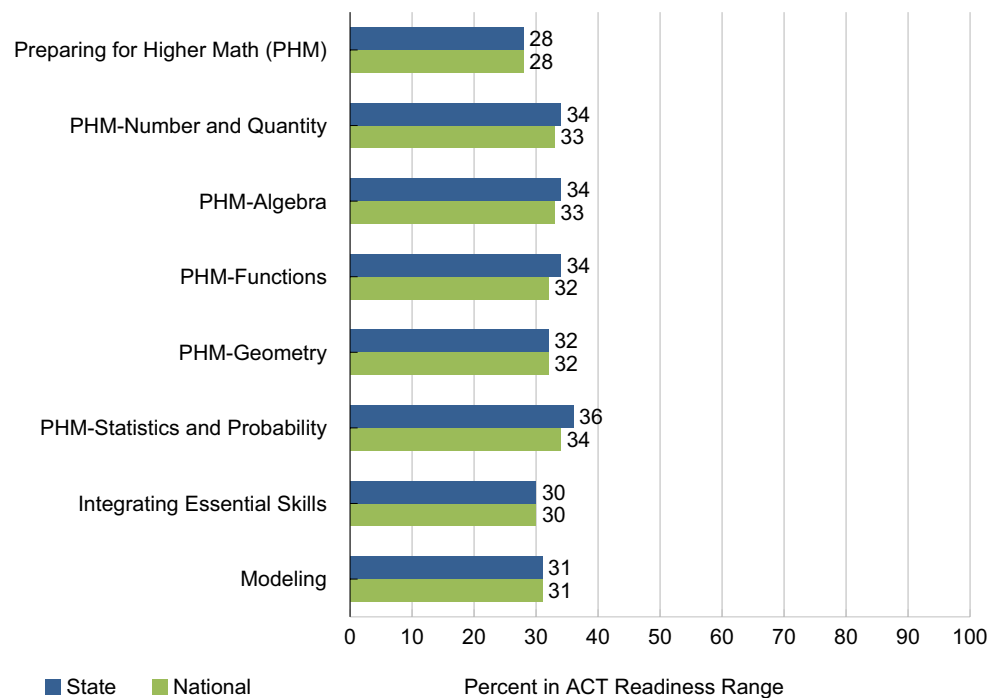


Figure 2.4. Reading Reporting Categories

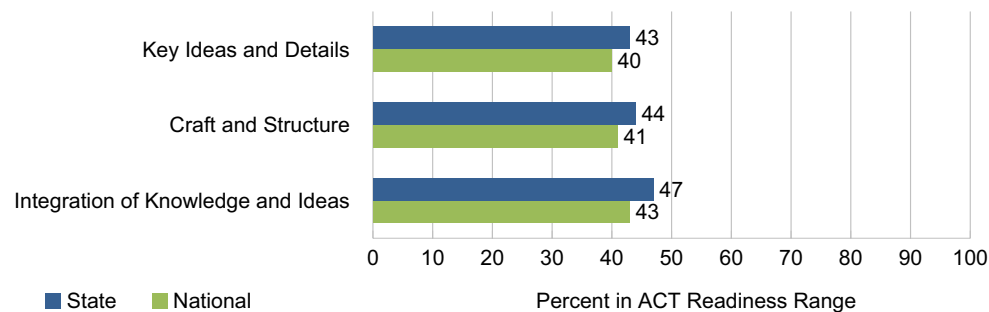
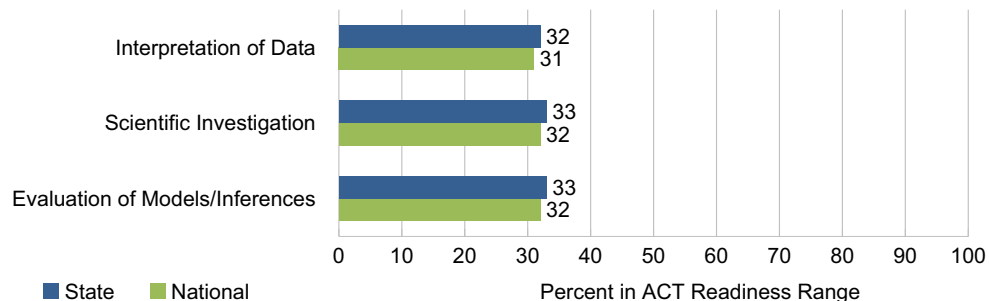


Figure 2.5. Science Reporting Categories



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.

Total Students in Report: 47,572

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	47,572	44	21.9	19.4
	Black/African American	5,228	32	17.3	16.5
	American Indian/Alaska Native	221	36	20.7	18.3
	White	32,154	48	22.4	19.7
	Hispanic/Latino	3,411	37	20.3	18.6
	Asian	1,271	58	25.3	21.5
	Native Hawaiian/Other Pacific Islander	92	26	18.8	18.3
	Two or More Races	2,240	45	21.7	19.1
	Prefer not/no Response	2,955	16	23.4	20.8
National	All Students	1,386,335	41	21.9	19.3
	Black/African American	171,380	34	17.7	16.1
	American Indian/Alaska Native	13,616	28	18.1	16.1
	White	722,990	48	22.7	20.2
	Hispanic/Latino	234,031	33	19.8	17.7
	Asian	57,600	56	25.9	23.4
	Native Hawaiian/Other Pacific Islander	3,932	25	19.1	16.2
	Two or More Races	68,095	41	22.0	19.5
	Prefer not/no Response	114,691	14	23.7	20.6

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 2.3. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
State	All Students	47,572	100	19.0	19.2	20.6	20.1	19.8	19.9
	Black/African American	5,228	11	14.3	15.7	16.1	16.2	15.7	16.2
	American Indian/Alaska Native	221	0	17.2	18.4	19.3	19.0	18.6	18.9
	White	32,154	68	20.0	19.9	21.6	20.9	20.7	20.7
	Hispanic/Latino	3,411	7	17.2	17.8	19.0	18.6	18.3	18.5
	Asian	1,271	3	22.6	23.0	23.5	23.0	23.2	23.3
	Native Hawaiian/Other Pacific Islander	92	0	15.5	16.8	17.2	17.1	16.7	17.2
	Two or More Races	2,240	5	19.0	19.1	20.8	19.9	19.8	19.8
	Prefer not/no Response	2,955	6	16.6	17.6	18.4	18.2	17.8	18.1
National	All Students	1,386,335	100	18.6	19.0	20.1	19.6	19.5	19.6
	Black/African American	171,380	12	14.8	15.8	16.4	16.3	16.0	16.3
	American Indian/Alaska Native	13,616	1	14.5	16.0	16.4	16.5	16.0	16.5
	White	722,990	52	20.3	20.3	21.8	21.0	21.0	20.9
	Hispanic/Latino	234,031	17	16.2	17.2	17.9	17.7	17.4	17.7
	Asian	57,600	4	23.9	24.2	24.4	23.9	24.2	24.3
	Native Hawaiian/Other Pacific Islander	3,932	0	14.9	16.4	16.6	16.8	16.3	16.9
	Two or More Races	68,095	5	19.0	19.1	20.7	19.9	19.8	19.7
	Prefer not/no Response	114,691	8	16.2	17.6	18.0	17.9	17.6	18.0

Total Students in Report: 47,572

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

Student Group	Gender ¹	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	Males	21,373	43	22.4	19.4
	Females	24,270	46	21.4	19.3
	Other Responses	1,929	18	23.2	21.3
National	Males	643,247	39	22.2	19.1
	Females	674,852	45	21.7	19.4
	Other Responses	68,236	14	23.3	20.9

Table 2.5. Average ACT Scores by Gender

Student Group	Gender ¹	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
State	Males	21,373	45	18.7	19.8	20.4	20.5	20.0	20.4
	Females	24,270	51	19.2	18.7	20.8	19.8	19.8	19.5
	Other Responses	1,929	4	18.1	17.8	20.2	19.1	18.9	18.7
National	Males	643,247	46	18.2	19.4	19.7	19.8	19.4	19.9
	Females	674,852	49	19.2	18.8	20.6	19.6	19.7	19.4
	Other Responses	68,236	5	17.2	17.6	19.1	18.4	18.2	18.3

Table 2.6. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	23	23	25	24	23
Q2 (50th Percentile)	19	17	20	20	19
Q1 (25th Percentile)	14	15	15	16	16

¹Other Responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

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.

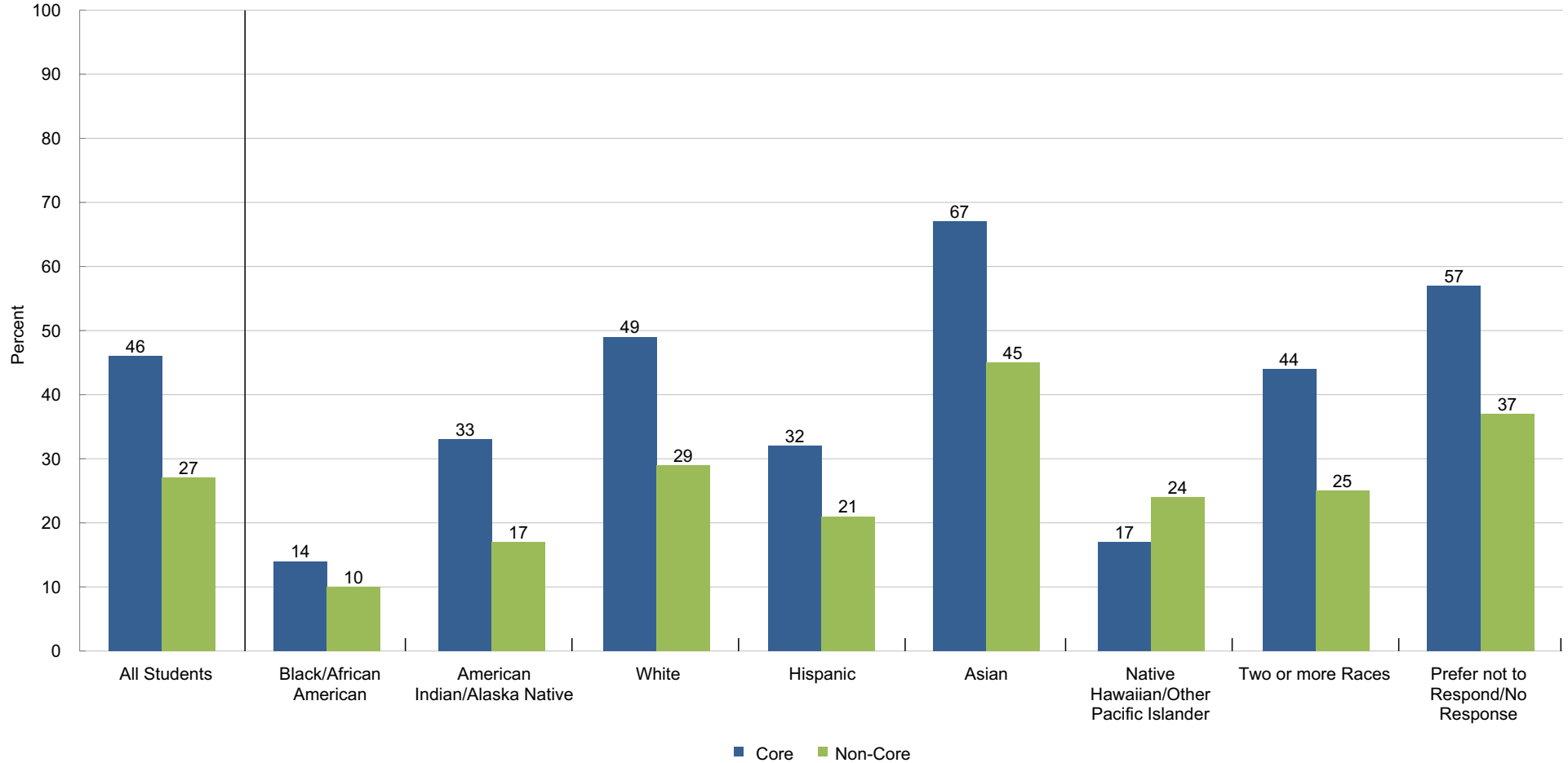
Total Students in Report: 47,572

Section III

College and Career Readiness and the Impact of Course Rigor

Total Students in Report: 47,572

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: 47,572

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	2,261	5	748	2	2,932	6	1,171	2
	28 to 32	3,064	6	2,696	6	5,403	11	3,075	6
	24 to 27	5,675	12	7,159	15	5,923	12	7,755	16
	20 to 23	10,276	22	7,141	15	11,422	24	12,622	27
	16 to 19	9,315	20	17,535	37	9,678	20	13,374	28
	13 to 15	8,434	18	11,199	24	6,616	14	6,156	13
	01 to 12	8,547	18	1,094	2	5,598	12	3,419	7
National	33 to 36	75,356	5	31,219	2	93,624	7	42,408	3
	28 to 32	92,796	7	91,401	7	148,617	11	91,200	7
	24 to 27	157,385	11	197,011	14	160,650	12	202,886	15
	20 to 23	265,490	19	186,782	13	296,098	21	314,755	23
	16 to 19	246,582	18	443,512	32	251,439	18	381,434	28
	13 to 15	245,744	18	377,200	27	221,283	16	215,864	16
	01 to 12	302,982	22	59,210	4	214,624	15	137,788	10

Table 3.2. Percent of Students Who Met College Readiness Benchmark Scores by Gender

Student Group	Gender ¹	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	53	34	41	37	23
	Females	56	26	43	29	18
	Other Responses	49	19	41	27	14
National	Males	48	33	38	33	22
	Females	55	28	42	29	20
	Other Responses	42	20	34	23	14

¹'Other Responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

Total Students in Report: 47,572

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	47,572	54	30	42	33	20	14
	Black/African American	5,228	23	7	15	9	4	2
	American Indian/Alaska Native	221	40	21	32	24	13	10
	White	32,154	62	35	48	38	23	17
	Hispanic/Latino	3,411	42	19	32	22	12	7
	Asian	1,271	69	55	57	53	42	37
	Native Hawaiian/Other Pacific Islander	92	33	15	24	10	7	4
	Two or More Races	2,240	53	28	41	31	19	14
	Prefer Not to Respond	2,955	39	19	30	23	13	10
National	All Students	1,386,335	51	30	40	31	21	15
	Black/African American	171,380	26	8	17	9	5	3
	American Indian/Alaska Native	13,616	24	9	18	10	5	3
	White	722,990	63	38	50	40	27	20
	Hispanic/Latino	234,031	36	17	27	17	10	7
	Asian	57,600	75	62	63	58	49	44
	Native Hawaiian/Other Pacific Islander	3,932	27	12	19	12	7	5
	Two or More Races	68,095	53	29	43	32	21	16
	Prefer Not to Respond	114,691	35	20	28	21	14	11

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

Student Group	ACT NCRC Level	N	%	Average Composite
State	Platinum	6,050	13	29.7
	Gold	10,568	22	23.7
	Silver	16,139	34	18.9
	Bronze	12,054	25	14.6
	Needs Improvement	2,761	6	11.5
National	Platinum	192,520	14	30.0
	Gold	272,713	20	23.8
	Silver	404,386	29	18.9
	Bronze	396,449	29	14.5
	Needs Improvement	120,267	9	11.4

¹ The ACT Composite scores associated with at least a 50% chance of earning each ACT NCRC level or higher are: 13 for Bronze, 17 for Silver, 22 for Gold, and 27 for Platinum. Based on those cut scores, students who earned an ACT Composite score of less than 13 are classified as 'Needs improvement' as they are unlikely to obtain an ACT NCRC. Students with an ACT Composite score of 13 to 16 are classified as 'Bronze' as they are likely to obtain a Bronze NCRC, 17 to 21 as 'Silver', 22 to 26 as 'Gold', and 27 or above as 'Platinum'.

Visit www.act.org/NCRC-indicator to learn more.

Total Students in Report: 47,572

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		
State	Core or More ²	20,758	70	21.3	43	21.1	55	22.7	46	22.0	31	21.9	23	21.8
	Less than Core	12,378	52	18.5	24	18.6	40	20.3	28	19.6	15	19.4	10	19.4
	Missing ³	14,436	34	15.9	14	17.0	26	17.8	18	17.7	8	17.2	6	17.6
National	Core or More	567,731	69	21.5	45	21.2	55	22.7	45	21.8	33	21.9	25	21.8
	Less than Core	231,055	51	18.6	27	18.7	39	20.1	28	19.4	18	19.3	13	19.3
	Missing	587,549	34	15.9	17	17.1	26	17.7	18	17.6	10	17.2	7	17.6

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	N	English		Mathematics			Reading			Science		
			%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
State	Core or More ²	32,495	63	20.3	31,429	38	20.4	30,478	49	21.9	24,415	44	21.7
	Less than Core	2,214	46	17.7	2,337	6	15.9	2,905	42	20.7	9,132	25	19.4
	Missing ³	12,863	33	15.7	13,806	14	16.9	14,189	25	17.8	14,025	18	17.7
National	Core or More	805,869	64	20.6	777,766	41	20.6	715,782	51	22.1	671,066	44	21.6
	Less than Core	39,453	48	18.0	40,332	11	16.3	92,045	40	20.3	141,675	22	18.6
	Missing	541,013	33	15.7	568,237	16	17.1	578,508	26	17.7	573,594	17	17.5

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: 47,572

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	9,269	19	20.3	64	206,329	15	20.6	64
Eng 9, Eng 10, Eng 11, Eng 12	23,226	49	20.3	63	599,540	43	20.6	64
Less than 4 years of English	2,214	5	17.7	46	39,453	3	18.0	48
Zero years / no English courses reported	12,863	27	15.7	33	541,013	39	15.7	33
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	941	2	23.3	64	29,620	2	22.3	55
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,111	7	21.5	50	56,308	4	21.0	45
Alg 1, Alg 2, Geom, & Trig	1,096	2	19.0	27	28,780	2	18.6	25
Alg 1, Alg 2, Geom, & Other Adv Math	9,364	20	19.2	28	196,294	14	18.9	27
Other comb of 4 or more years of Math	9,703	20	23.5	63	319,480	23	23.1	59
Alg 1, Alg 2, & Geom	5,637	12	16.7	8	91,952	7	16.5	9
Other comb of 3 or 3.5 years of Math	1,577	3	19.3	29	55,332	4	19.0	29
Less than 3 years of Math	2,337	5	15.9	6	40,332	3	16.3	11
Zero years / no Math courses reported	13,806	29	16.9	14	568,237	41	17.1	16
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	2,098	4	22.1	51	25,073	2	22.5	53
Other comb of 4 or more years Social Science	9,733	20	23.0	57	380,202	27	22.6	55
US Hist, World Hist, & Am Gov	7,793	16	20.1	38	59,507	4	20.0	38
Other comb of 3 or 3.5 years of Social Science	10,854	23	22.2	51	251,000	18	21.8	49
Less than 3 years of Social Science	2,905	6	20.7	42	92,045	7	20.3	40
Zero years / no Social Science courses reported	14,189	30	17.8	25	578,508	42	17.7	26
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	7,969	17	22.7	52	287,293	21	22.3	49
Bio, Chem, Phys	4,483	9	23.0	55	109,345	8	23.5	57
Gen Sci ¹ , Bio, Chem	10,621	22	20.7	35	245,426	18	20.3	34
Other comb of 3 years of Natural Science	1,342	3	19.8	29	29,002	2	19.0	25
Less than 3 years of Natural Science	9,132	19	19.4	25	141,675	10	18.6	22
Zero years / no Natural Science courses reported	14,025	29	17.7	18	573,594	41	17.5	17

¹Includes General, Physical and Earth Sciences.

Total Students in Report: 47,572

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

Course Pattern	Males				Females				Other Responses ¹			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	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	3,393	16	20.3	65	5,693	23	20.2	64	183	9	22.3	75
Eng 9, Eng 10, Eng 11, Eng 12	10,665	50	20.2	62	12,155	50	20.4	63	406	21	22.5	76
Less than 4 years of English	1,093	5	17.6	45	1,085	4	17.8	47	36	2	19.6	61
Zero years / no English courses reported	6,222	29	15.5	31	5,337	22	15.9	35	1,304	68	16.1	36
		Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark		Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark		Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark
MATHEMATICS COURSE PATTERN	N				N				N			
Alg 1, Alg 2, Geom, Trig, & Calc	446	2	24.1	68	479	2	22.6	60	16	1	22.5	63
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,139	5	22.0	54	1,926	8	21.1	47	46	2	21.7	52
Alg 1, Alg 2, Geom, & Trig	485	2	19.7	34	594	2	18.5	22	17	1	19.2	24
Alg 1, Alg 2, Geom, & Other Adv Math	3,202	15	20.0	35	6,004	25	18.8	24	158	8	20.1	35
Other comb of 4 or more years of Math	5,108	24	24.3	68	4,452	18	22.6	57	143	7	24.0	64
Alg 1, Alg 2, & Geom	2,361	11	17.2	12	3,147	13	16.2	5	129	7	17.1	10
Other comb of 3 or 3.5 years of Math	831	4	19.5	29	717	3	19.0	28	29	2	19.0	24
Less than 3 years of Math	1,099	5	16.1	7	1,170	5	15.8	6	68	4	16.1	4
Zero years / no Math courses reported	6,702	31	17.2	16	5,781	24	16.6	11	1,323	69	16.8	12
		Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark		Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark		Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark
SOCIAL SCIENCE COURSE PATTERN	N				N				N			
US Hist, World Hist, Am Gov, & Other Hist	1,132	5	22.1	51	932	4	22.0	50	34	2	24.2	62
Other comb of 4 or more years Social Science	4,167	19	23.1	57	5,419	22	22.9	56	147	8	25.8	73
US Hist, World Hist, & Am Gov	3,823	18	20.2	39	3,851	16	19.9	36	119	6	23.0	61
Other comb of 3 or 3.5 years of Social Science	3,972	19	22.4	53	6,655	27	22.0	50	227	12	25.3	74
Less than 3 years of Social Science	1,376	6	20.4	41	1,462	6	20.9	43	67	3	23.1	57
Zero years / no Social Science courses reported	6,903	32	17.6	25	5,951	25	18.0	26	1,335	69	18.2	29
		Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark		Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark		Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark
NATURAL SCIENCE COURSE PATTERN	N				N				N			
Gen Sci ² , Bio, Chem, & Phys	3,956	19	23.3	57	3,876	16	21.9	46	137	7	23.1	52
Bio, Chem, Phys	2,248	11	23.8	60	2,163	9	22.2	48	72	4	24.3	63
Gen Sci ¹ , Bio, Chem	3,923	18	21.3	40	6,519	27	20.4	32	179	9	21.7	45
Other comb of 3 years of Natural Science	710	3	20.7	37	598	2	18.8	20	34	2	20.6	32
Less than 3 years of Natural Science	3,724	17	19.5	28	5,234	22	19.2	23	174	9	21.1	42
Zero years / no Natural Science courses reported	6,812	32	17.9	20	5,880	24	17.4	15	1,333	69	17.7	18

¹ 'Other Responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

² Includes General, Physical and Earth Sciences.

Total Students in Report: 47,572

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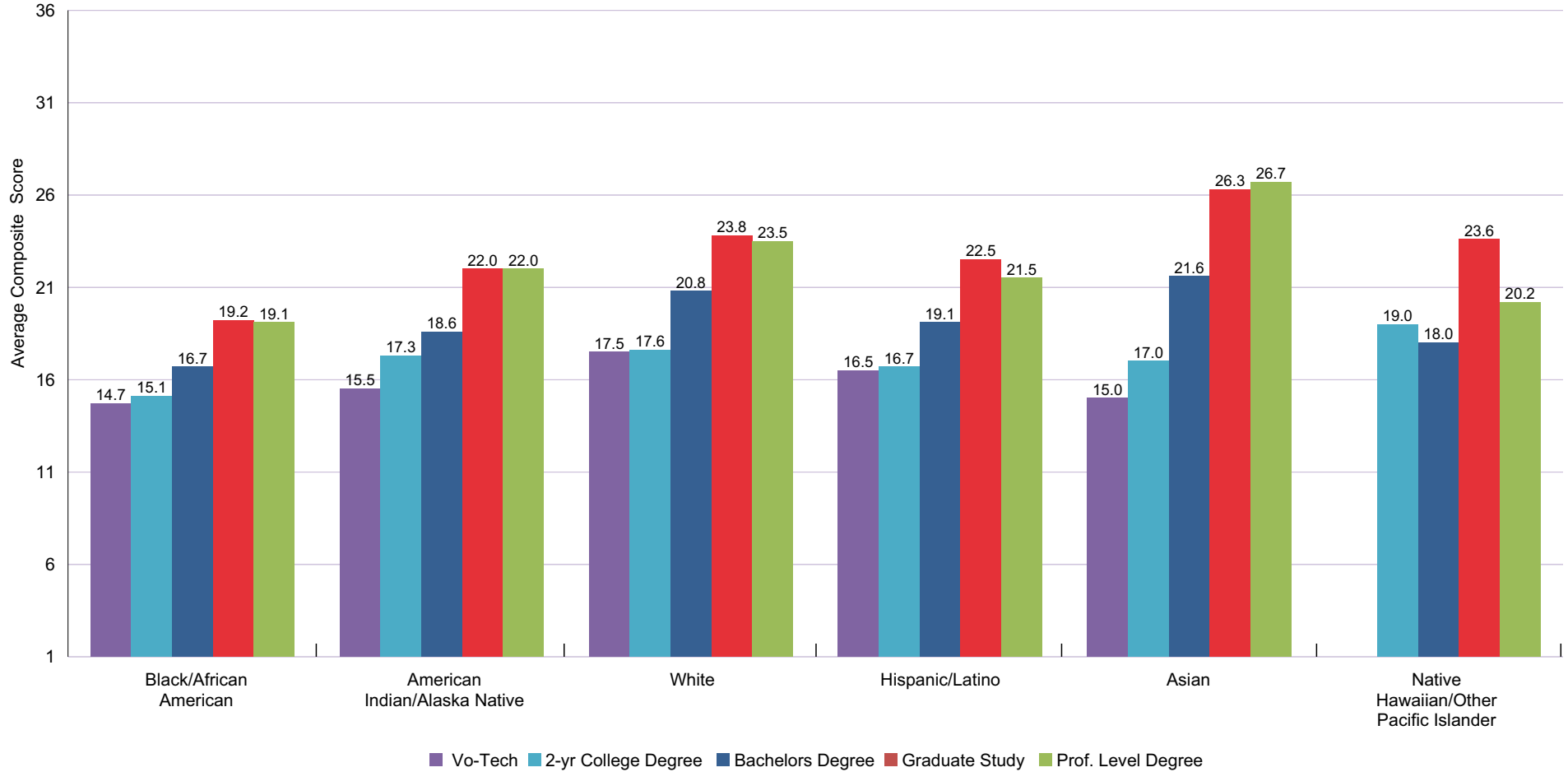
Total Students in Report: 47,572

Section IV

Career and Educational Aspirations

Total Students in Report: 47,572

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: 47,572

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	917	2	19.6	127	4	16.8	693	2	20.4
Architecture	451	1	20.5	29	1	16.2	363	1	21.4
Area, Ethnic, & Multidisciplinary Studies	23	0	22.5	1	0	14.0	16	0	23.3
Arts: Visual & Performing	1,841	4	20.7	153	5	18.3	1,430	5	21.5
Business	4,338	9	20.1	387	12	16.6	3,489	12	20.8
Communications	488	1	21.3	20	1	18.6	425	1	21.8
Community, Family, & Personal Services	620	1	18.0	110	3	17.5	414	1	18.8
Computer Science & Mathematics	1,630	3	23.4	119	4	19.6	1,332	5	24.0
Education	2,075	4	19.5	48	2	15.7	1,878	6	19.8
Engineering	2,549	5	23.7	116	4	17.6	2,187	8	24.4
Engineering Technology & Drafting	468	1	20.4	78	2	17.3	323	1	21.9
English & Foreign Languages	306	1	22.6	21	1	18.3	254	1	23.2
Health Administration & Assisting	1,206	3	17.7	148	5	16.1	877	3	18.3
Health Sciences & Technologies	5,553	12	20.6	337	11	17.2	4,821	17	21.0
Philosophy, Religion, & Theology	130	0	20.2	9	0	18.3	108	0	20.4
Repair, Production, & Construction	748	2	17.3	493	15	17.3	129	0	18.2
Sciences: Biological & Physical	2,579	5	23.0	47	1	17.3	2,347	8	23.3
Social Sciences & Law	2,228	5	21.7	46	1	17.2	1,990	7	22.0
Undecided	9,089	19	20.2	897	28	17.4	5,768	20	21.3
No Response	10,321	22	16.5	10	0	16.0	80	0	19.7

¹2-Year and 4-Year "N" counts do not reflect students indicating no college plans, "Other" college plans, and missing responses. 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: 47,572

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	1,007	17.1	79	14.7	2	15.5	810	17.5	58
2-yr College Degree	2,194	17.4	167	15.1	10	17.3	1,688	17.6	179	16.7
Bachelors Degree	17,372	20.3	1,365	16.7	75	18.6	13,256	20.8	1,140	19.1
Graduate Study	5,831	23.6	325	19.2	27	22.0	4,573	23.8	286	22.5
Prof. Level Degree	5,726	23.2	535	19.1	24	22.0	3,952	23.5	404	21.5
Other	558	18.4	67	14.9	6	18.7	372	19.0	43	16.4
No Response	13,969	17.2	2,534	14.2	66	16.8	6,939	18.7	1,203	16.1

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	1,007	17.1	6	15.0	0	.	37	17.5	15
2-yr College Degree	2,194	17.4	14	17.0	3	19.0	99	17.5	34	17.6
Bachelors Degree	17,372	20.3	386	21.6	22	18.0	812	19.9	316	21.2
Graduate Study	5,831	23.6	209	26.3	7	23.6	260	23.9	144	24.6
Prof. Level Degree	5,726	23.2	333	26.7	6	20.2	316	22.7	156	25.9
Other	558	18.4	9	20.0	1	13.0	32	18.9	28	19.7
No Response	13,969	17.2	296	20.0	51	14.9	633	17.6	2,247	16.4

Total Students in Report: 47,572

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
UNIV OF MISSOURI-COLUMBIA	MO	5,019	2,279	2,740	1	6	21	30	25	15	3
MISSOURI STATE UNIVERSITY	MO	3,898	1,569	2,329	1	8	27	34	20	9	1
UNIV OF MISSOURI-KANSAS CITY	MO	1,425	463	962	1	7	22	29	24	15	2
UNIV OF CENTRAL MISSOURI	MO	1,422	474	948	1	11	31	32	18	6	1
MISSOURI UNIV OF SCI AND TECH	MO	1,271	610	661	0	2	11	22	31	27	7
SOUTHEAST MISSOURI ST UNIV	MO	1,270	524	746	2	13	30	29	18	8	0
NORTHWEST MO STATE UNIV	MO	1,265	505	760	1	11	33	32	16	6	1
UNIV OF ARKANSAS-FAYETTEVILLE	AR	886	345	541	0	4	20	32	29	13	2
TRUMAN STATE UNIV	MO	795	237	558	1	4	18	30	27	18	3
UNIVERSITY OF KANSAS	KS	764	195	569	0	6	20	26	26	18	3
STATE TECH COLLEGE MISSOURI	MO	748	489	259	3	22	39	24	9	3	0
OZARKS TECHNICAL CC	MO	700	304	396	1	17	36	29	13	4	0
WASHINGTON UNIVERSITY	MO	683	184	499	0	4	10	18	25	30	12
SAINT LOUIS UNIVERSITY	MO	656	137	519	0	4	17	24	27	23	4
LINDENWOOD UNIVERSITY	MO	641	200	441	2	8	27	30	21	11	1
METRO CC KANSAS CITY	MO	631	326	305	3	15	37	28	13	4	0
MISSOURI SOUTHERN ST U	MO	610	211	399	2	13	36	28	15	6	1
UNIV OF MISSOURI-ST LOUIS	MO	608	113	495	2	8	21	32	23	13	2
DRURY UNIV	MO	570	155	415	1	6	26	31	22	11	2
KANSAS STATE UNIVERSITY	KS	548	177	371	1	5	22	30	27	13	2
MISSOURI WESTERN STATE U	MO	525	172	353	2	13	35	30	13	6	1
COLLEGE OF THE OZARKS	MO	497	236	261	1	9	27	34	22	6	1
MARYVILLE UNIV OF ST LOUIS	MO	467	130	337	1	7	27	32	18	13	2
STATE FAIR COMM COLL	MO	406	226	180	2	22	38	26	10	1	0
CROWDER COLLEGE	MO	405	215	190	2	22	41	23	10	2	0
MINERAL AREA COLLEGE	MO	351	202	149	3	23	38	26	7	3	0
ST CHARLES COMMUNITY COLLEGE	MO	315	163	152	1	14	35	29	16	5	0
COLUMBIA COLLEGE	MO	306	84	222	2	10	36	28	16	7	1
EVANGEL UNIVERSITY	MO	300	107	193	1	10	24	30	23	11	1
SOUTHWEST BAPTIST UNIV	MO	294	97	197	1	7	27	34	21	9	1
All Other Institutions		17,196	5,205	11,991	1	11	23	26	19	16	4
Total		45,472	16,334	29,138	1	10	25	28	20	13	3

Total Students in Report: 47,572

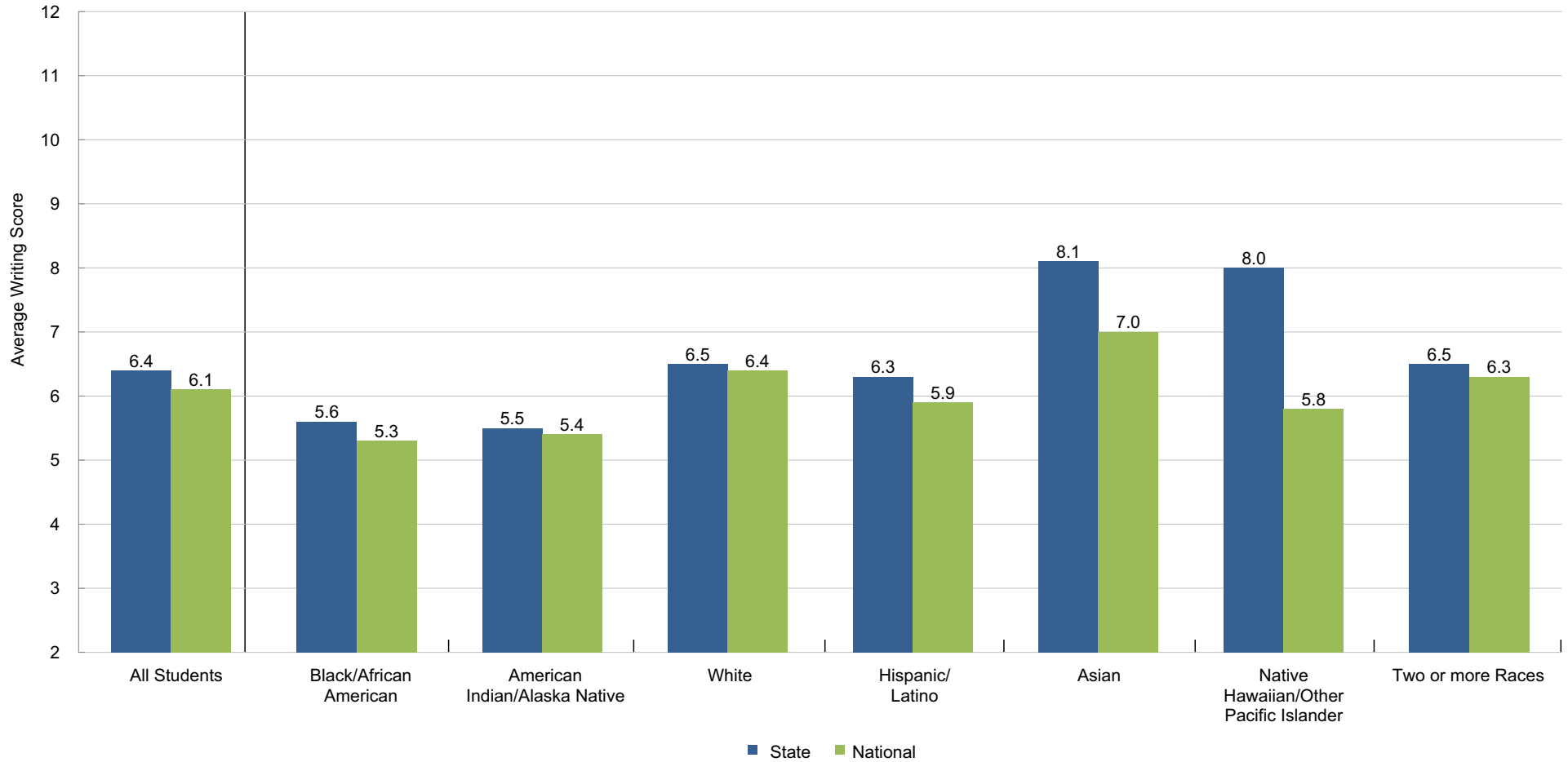
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Total Students in Report: 47,572

Section V Optional Writing Test Results

Total Students in Report: 47,572

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



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

Total Students in Report: 47,572

Table 5.1. Average ACT English Language Arts Constituent Scores by Race/Ethnicity and Gender¹ for Students Who Took ACT Writing

	N		Average ACT Scores					
	State	National	English		Reading		Writing	
			State	National	State	National	State	National
All Students	2,038	380,279	19.9	17.6	21.9	19.2	6.4	6.1
Black/African American	213	34,333	16.1	14.3	18.0	16.0	5.6	5.3
American Indian/Alaska Native	14	7,338	17.7	14.0	21.3	15.9	5.5	5.4
White	1,446	179,047	20.3	19.4	22.4	21.0	6.5	6.4
Hispanic/Latino	125	87,670	18.3	15.5	20.1	17.1	6.3	5.9
Asian	53	17,507	28.2	21.1	28.5	22.2	8.1	7.0
Native Hawaiian/Other Pacific Islander	1	1,849	22.0	13.9	23.0	15.6	8.0	5.8
Two or More Races	107	23,574	20.5	18.1	22.4	19.7	6.5	6.3
Prefer not/No Response	79	28,961	19.6	15.6	22.0	17.3	6.3	5.5
Males	912	179,404	19.8	17.1	22.0	18.8	6.2	5.8
Females	1,063	183,457	19.9	18.1	21.7	19.6	6.6	6.4
Other Responses	63	17,418	21.8	18.1	24.5	19.8	6.3	6.1

Table 5.2. Average ACT English Language Arts Outcomes by Race/Ethnicity and Gender¹ for Students Who Took ACT Writing

	N		Average ACT Scores			
	State	National	Average ELA Score		Percent Who Met ELA Benchmark	
			State	National	State	National
All Students	2,038	380,279	19.5	17.6	47	35
Black/African American	213	34,333	15.9	14.5	19	14
American Indian/Alaska Native	14	7,338	17.6	14.4	29	13
White	1,446	179,047	19.9	19.2	50	46
Hispanic/Latino	125	87,670	18.3	15.9	37	23
Asian	53	17,507	26.3	20.7	79	54
Native Hawaiian/Other Pacific Islander	1	1,849	22.0	14.8	100	14
Two or More Races	107	23,574	20.0	18.1	53	38
Prefer not/No Response	79	28,961	19.3	15.6	47	23
Males	912	179,404	19.3	16.9	46	31
Females	1,063	183,457	19.6	18.2	47	39
Other Responses	63	17,418	21.0	17.9	59	38

¹ 'Other responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

