



# Profile Report - State

Graduating Class 2017

Michigan



## New to your 2017 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.

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We are pleased to provide this 2017 Graduating Class ACT Profile Report. This report summarizes the preparation and performance of your 2017 graduates who took the ACT as sophomores, juniors, or seniors under standard- or extended-time conditions and achieved a college reportable composite score. The most recent set of test information is used in your report for students testing more than once.

This report focuses on:

**Performance** - student test performance in the context of college readiness

**Access** - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

**College Readiness** - percent of students meeting ACT College Readiness Benchmark Scores in each content area

**Awareness** - extent to which student aspirations match performance

**Articulation** - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students who met or exceeded ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, STEM, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College 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 and STEM. 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

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:** 29,944 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY:** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 90% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES:** Table 3.8 reports 1% of the cohort took less than three years of math courses. Of these students, 29% were college ready. 7% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 20% of these students were college ready. In comparison, 68% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.8 reports 4% of the cohort took less than three years of natural science courses. 45% of these students were college ready. In comparison, 59% 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 28% 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

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning in August 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.8 and 1.9 on page 10.

Total Students in Report: 29,944

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

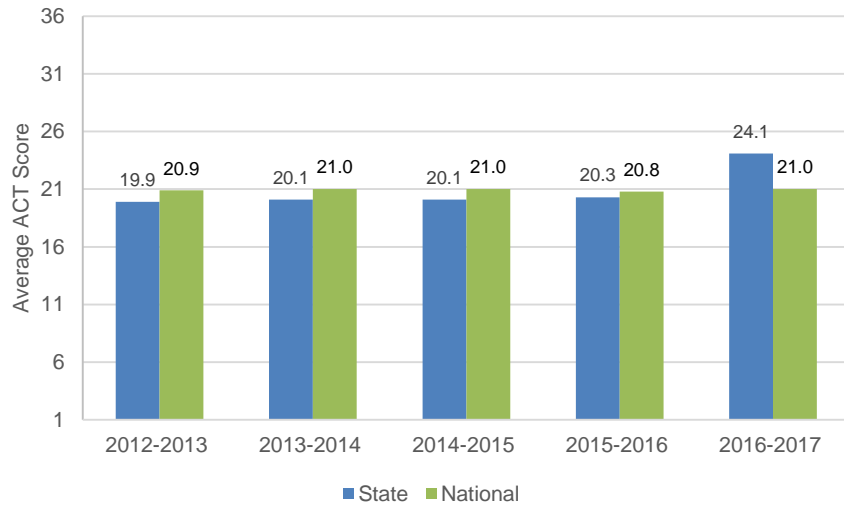


Figure 1.2. Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing\*

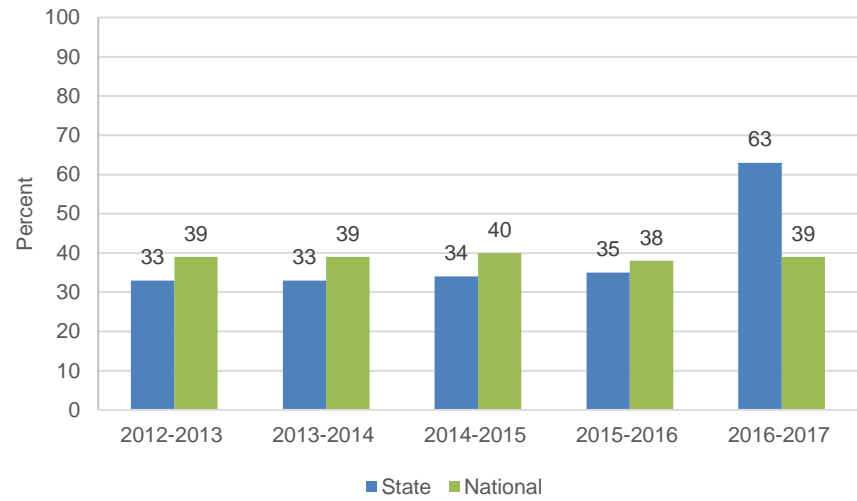


Figure 1.3. Percent Meeting STEM Benchmark: 5 Years of Testing\*

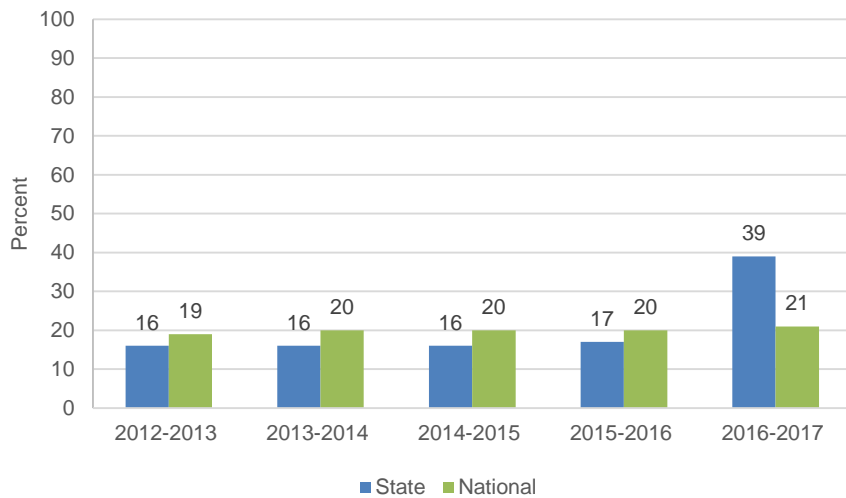
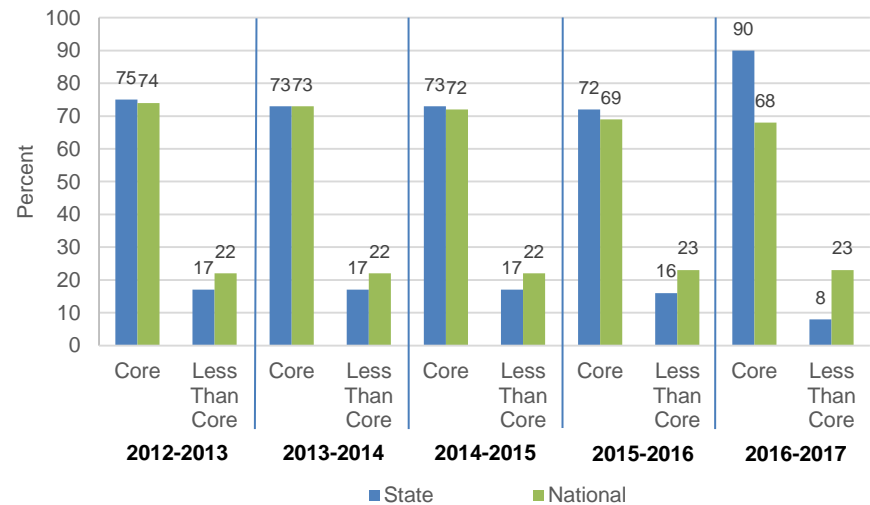


Figure 1.4. Percent Taking A Core Curriculum: 5 Years of Testing\*



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



Total Students in Report: 29,944

**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
2013	120,451	1,799,243	57	64	35	44	37	44	33	36	21	26
2014	119,990	1,845,787	59	64	35	43	36	44	33	37	22	26
2015	118,555	1,924,436	59	64	34	42	40	46	34	38	22	28
2016	115,454	2,090,342	60	61	36	41	40	44	35	36	23	26
<b>2017</b>	<b>29,944</b>	<b>2,030,038</b>	<b>84</b>	<b>61</b>	<b>64</b>	<b>41</b>	<b>68</b>	<b>47</b>	<b>58</b>	<b>37</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
2013	120,451	1,799,243	19.1	20.2	19.9	20.9	20.0	21.1	20.2	20.7	19.9	20.9
2014	119,990	1,845,787	19.3	20.3	19.9	20.9	20.2	21.3	20.4	20.8	20.1	21.0
2015	118,555	1,924,436	19.4	20.4	19.9	20.8	20.3	21.4	20.4	20.9	20.1	21.0
2016	115,454	2,090,342	19.9	20.1	19.9	20.6	20.7	21.3	20.5	20.8	20.3	20.8
<b>2017</b>	<b>29,944</b>	<b>2,030,038</b>	<b>24.1</b>	<b>20.3</b>	<b>23.7</b>	<b>20.7</b>	<b>24.5</b>	<b>21.4</b>	<b>23.8</b>	<b>21.0</b>	<b>24.1</b>	<b>21.0</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2013	1,799,243	20.2	20.9	21.1	20.7	20.9
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
<b>2017</b>	<b>2,030,038</b>	<b>20.3</b>	<b>20.7</b>	<b>21.4</b>	<b>21.0</b>	<b>21.0</b>

Total Students in Report: 29,944

**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
2013	90,038	20,819	75	17	20.1	16.5	20.6	17.9	20.8	17.8	21.0	18.2	20.7	17.7
2014	88,119	20,371	73	17	20.4	16.7	20.7	18.0	21.0	18.0	21.2	18.5	20.9	17.9
2015	86,167	19,724	73	17	20.4	16.8	20.6	18.0	21.2	18.3	21.2	18.4	21.0	18.0
2016	82,750	19,020	72	16	20.8	17.4	20.6	18.0	21.5	18.6	21.3	18.5	21.2	18.2
<b>2017</b>	<b>26,954</b>	<b>2,362</b>	<b>90</b>	<b>8</b>	<b>24.3</b>	<b>22.5</b>	<b>23.9</b>	<b>22.3</b>	<b>24.6</b>	<b>23.0</b>	<b>24.0</b>	<b>22.3</b>	<b>24.3</b>	<b>22.7</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	2013			2014			2015			2016			2017		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>120,451</b>	<b>100</b>	<b>19.9</b>	<b>119,990</b>	<b>100</b>	<b>20.1</b>	<b>118,555</b>	<b>100</b>	<b>20.1</b>	<b>115,454</b>	<b>100</b>	<b>20.3</b>	<b>29,944</b>	<b>100</b>	<b>24.1</b>
Black/African American	15,857	13	16.0	15,824	13	16.2	15,608	13	16.3	14,723	13	16.5	2,782	9	18.8
American Indian/Alaska Native	704	1	17.2	716	1	17.1	698	1	17.3	686	1	17.4	73	0	21.3
White	79,066	66	20.9	78,446	65	21.0	76,536	65	21.0	73,809	64	21.3	20,795	69	24.7
Hispanic/Latino	7,245	6	18.3	7,532	6	18.3	7,808	7	18.4	7,720	7	18.5	1,338	4	22.5
Asian	3,202	3	23.1	3,357	3	23.3	3,475	3	23.5	3,618	3	24.0	1,870	6	26.8
Native Hawaiian/Other Pacific Islander	128	0	18.7	127	0	19.0	131	0	19.5	130	0	19.2	26	0	23.7
Two or more races	4,700	4	19.5	4,855	4	19.7	4,990	4	19.8	5,092	4	19.9	978	3	23.9
Prefer not to respond/No response	9,549	8	19.3	9,133	8	19.3	9,309	8	19.5	9,676	8	19.5	2,082	7	24.8

Total Students in Report: 29,944

**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
2013	120,451	1,799,243	20.3	21.1	16	19	28.5	28.7	28.2	28.0
2014	119,990	1,845,787	20.4	21.1	16	20	28.5	28.7	28.3	28.3
2015	118,555	1,924,436	20.4	21.1	16	20	28.5	28.7	28.4	28.4
2016	115,454	2,090,342	20.4	20.9	17	20	28.4	28.7	28.6	28.6
<b>2017</b>	<b>29,944</b>	<b>2,030,038</b>	<b>24.0</b>	<b>21.1</b>	<b>39</b>	<b>21</b>	<b>29.0</b>	<b>28.7</b>	<b>28.8</b>	<b>28.7</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	
2013	0	0	.	.	.	.	0	0	.	.	.	.	0	0	.	.	.	.
2014	0	0	.	.	.	.	0	0	.	.	.	.	0	0	.	.	.	.
2015	0	0	.	.	.	.	0	0	.	.	.	.	0	0	.	.	.	.
2016	11,629	485,762	10	23	17.3	17.0	8,671	322,548	8	15	23.7	23.6	5,586	235,380	5	11	30.1	30.3
<b>2017</b>	<b>8,921</b>	<b>999,708</b>	<b>30</b>	<b>49</b>	<b>17.8</b>	<b>16.2</b>	<b>10,779</b>	<b>596,096</b>	<b>36</b>	<b>29</b>	<b>24.1</b>	<b>23.4</b>	<b>9,756</b>	<b>427,075</b>	<b>33</b>	<b>21</b>	<b>31.1</b>	<b>30.8</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.

Total Students in Report: 29,944

**Table 1.8. Average ACT College Reportable Scores by Test Session Duration**

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Standard Time	29,044	97	24.1	23.8	24.5	23.8	24.2
	Extended Time	900	3	22.0	21.6	23.9	22.7	22.7
	Total	29,944	100	24.1	23.7	24.5	23.8	24.1
National	Standard Time	1,927,386	95	20.5	20.8	21.5	21.1	21.1
	Extended Time	102,652	5	17.5	18.5	19.5	18.9	18.7
	Total	2,030,038	100	20.3	20.7	21.4	21.0	21.0

**Table 1.9. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration**

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	84	65	68	59	48
	Extended Time	74	48	62	48	39
	Total	84	64	68	58	47
National	Standard Time	63	41	48	38	28
	Extended Time	42	25	36	26	19
	Total	61	41	47	37	27

# Section II

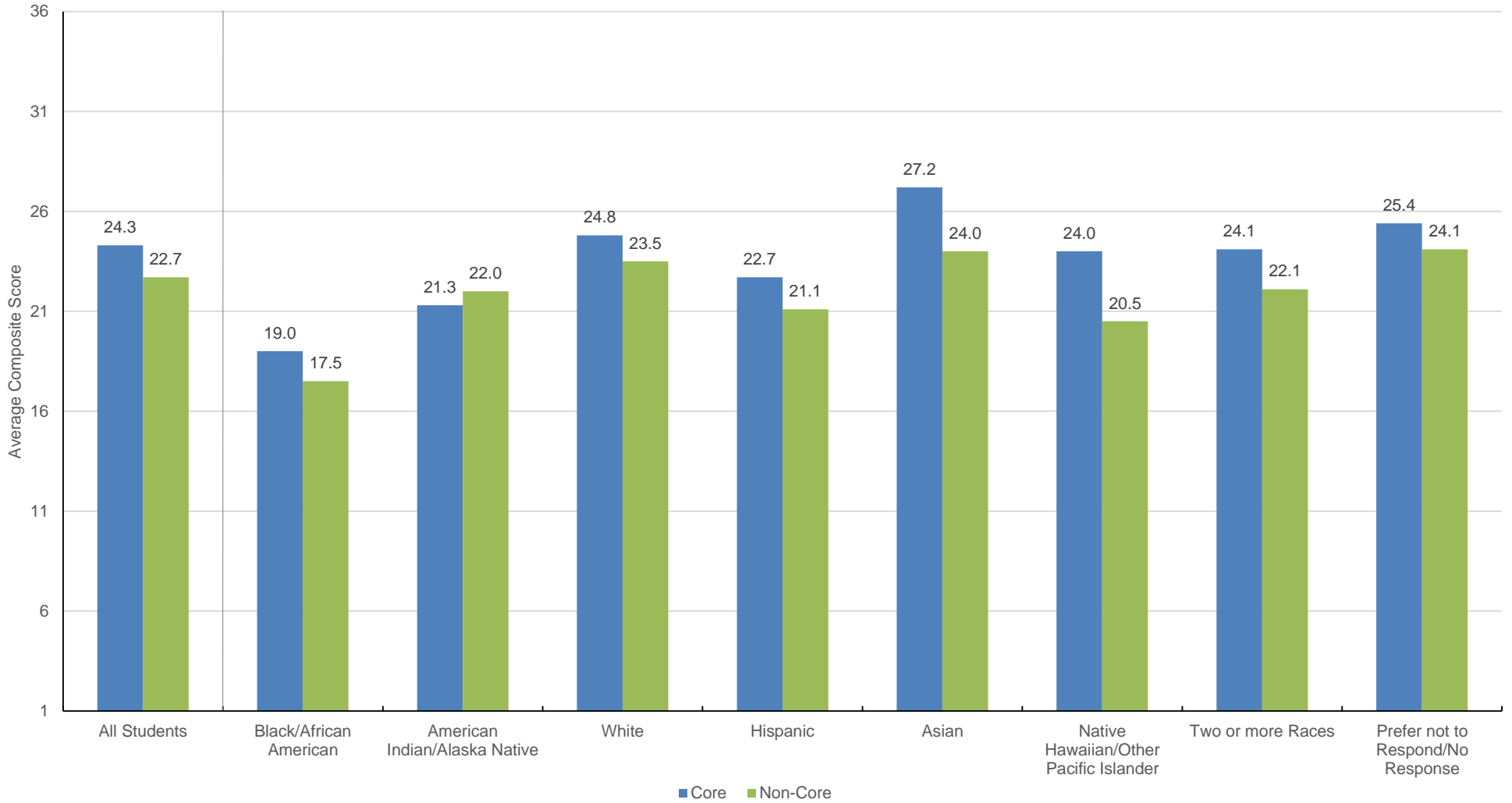
## Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 29,944

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: 29,944

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

ACT Score	English		Mathematics		Reading		Science		Composite		STEM		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
36	473	100	256	100	604	100	387	100	100	100	211	100	36
35	1,407	98	510	99	611	98	386	99	360	99	373	99	35
34	982	94	413	97	1,168	96	699	97	578	98	502	98	34
33	1,015	90	690	96	1,138	92	884	95	747	97	631	96	33
32	579	87	795	94	1,277	88	248	92	992	94	787	94	32
31	825	85	753	91	1,347	84	897	91	1,167	91	976	92	31
30	1,304	82	990	89	1,515	79	1,008	88	1,368	87	1,065	88	30
29	936	78	1,153	85	1,319	74	1,102	85	1,328	82	1,330	85	29
28	1,140	75	1,908	81	1,282	70	1,310	81	1,615	78	1,620	80	28
27	1,385	71	2,503	75	983	66	1,333	77	1,849	72	1,877	75	27
26	1,391	66	2,192	67	1,298	62	1,905	72	1,823	66	2,179	69	26
25	1,968	62	1,989	59	1,325	58	1,996	66	2,036	60	2,248	61	25
24	2,008	55	2,205	53	2,047	54	2,906	59	2,178	53	2,331	54	24
23	2,244	49	1,486	45	1,929	47	2,448	50	2,068	46	2,008	46	23
22	1,868	41	1,448	40	2,385	40	2,698	42	2,077	39	1,850	39	22
21	1,944	35	1,053	36	1,352	32	1,964	33	1,832	32	1,824	33	21
20	1,566	28	1,250	32	1,623	28	1,802	26	1,680	26	1,747	27	20
19	1,098	23	1,435	28	1,477	23	1,440	20	1,514	21	1,618	21	19
18	939	19	1,665	23	1,186	18	1,356	15	1,277	15	1,511	16	18
17	925	16	1,673	18	989	14	962	11	1,070	11	1,214	11	17
16	1,097	13	1,730	12	870	10	756	7	857	8	909	7	16
15	1,014	10	1,107	6	706	7	518	5	661	5	590	4	15
14	639	6	525	2	578	5	336	3	399	3	333	2	14
13	342	4	156	1	431	3	257	2	238	1	140	1	13
12	307	3	43	1	270	2	169	1	101	1	53	1	12
11	309	2	11	1	116	1	82	1	19	1	8	1	11
10	142	1	3	1	52	1	53	1	5	1	4	1	10
9	63	1	1	1	41	1	22	1	3	1	5	1	9
8	21	1	0	1	14	1	12	1	0	1	0	1	8
7	10	1	1	1	4	1	4	1	1	1	0	1	7
6	0	1	0	1	1	1	0	1	1	1	0	1	6
5	1	1	0	1	2	1	2	1	0	1	0	1	5
4	1	1	0	1	2	1	1	1	0	1	0	1	4
3	1	1	0	1	1	1	1	1	0	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	24.1 (6.2)		23.7 (5.5)		24.5 (6.1)		23.8 (5.2)		24.1 (5.2)		24.0 (5.1)		Avg (SD)

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

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

Figure 2.2. English Reporting Categories<sup>1</sup>

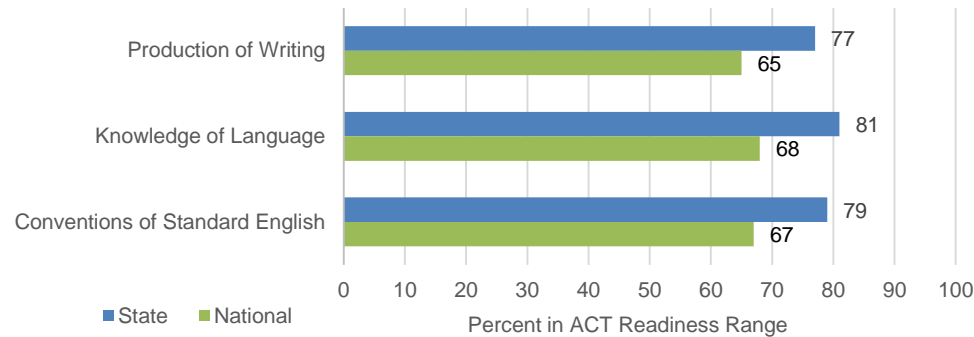


Figure 2.3. Math Reporting Categories<sup>1</sup>

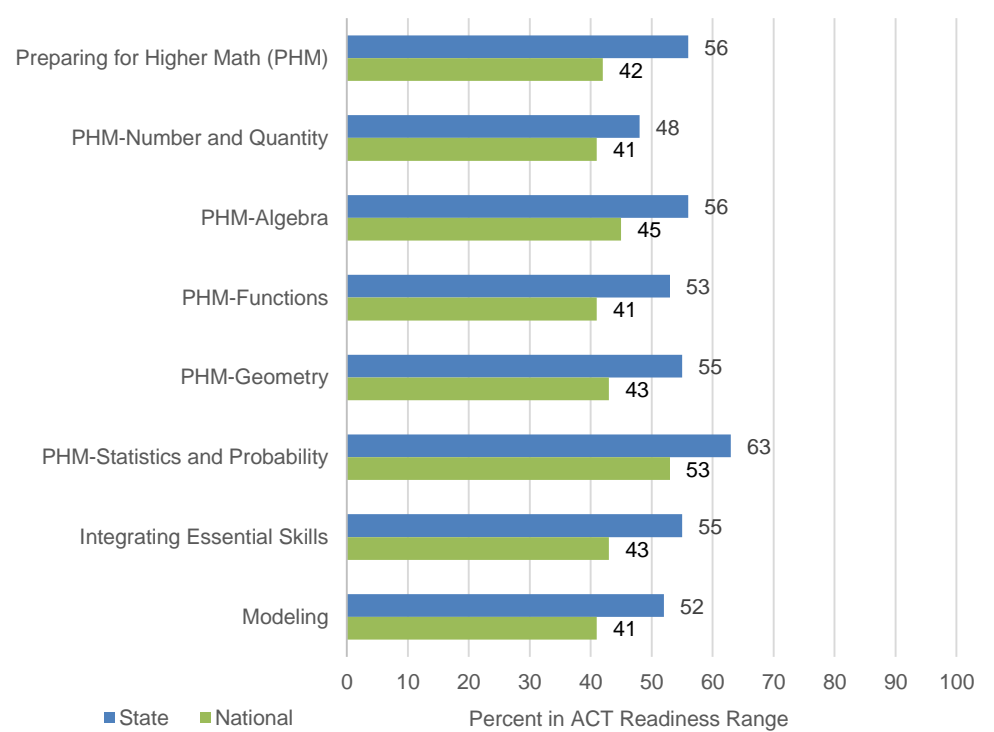


Figure 2.4. Reading Reporting Categories<sup>1</sup>

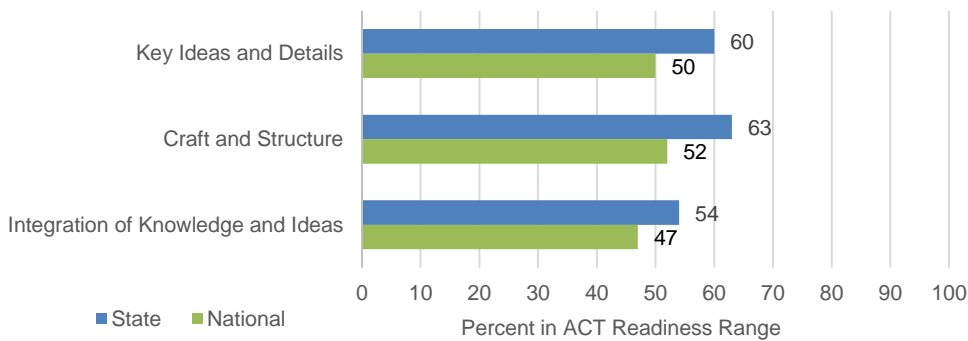
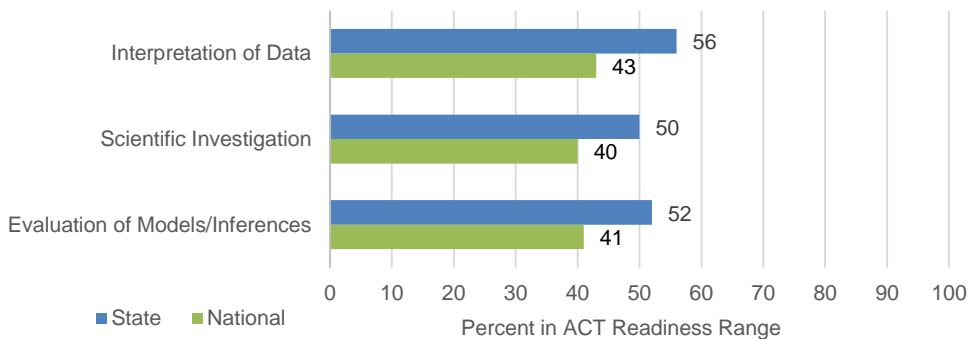


Figure 2.5. Science Reporting Categories<sup>1</sup>



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: 29,944

**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	29,944	90	24.3	22.7
	Black/African American	2,782	89	19.0	17.5
	American Indian/Alaska Native	73	90	21.3	22.0
	White	20,795	92	24.8	23.5
	Hispanic/Latino	1,338	87	22.7	21.1
	Asian	1,870	89	27.2	24.0
	Native Hawaiian/Other Pac. Isl.	26	92	24.0	20.5
	Two or More Races	978	91	24.1	22.1
	Prefer not/No Response	2,082	77	25.4	24.1
National	All Students	2,030,038	68	22.1	18.9
	Black/African American	256,756	63	17.9	16.0
	American Indian/Alaska Native	16,135	54	18.7	16.4
	White	1,062,439	72	23.4	20.2
	Hispanic/Latino	347,906	66	19.8	17.4
	Asian	96,097	78	25.0	22.5
	Native Hawaiian/Other Pac. Isl.	6,503	58	20.0	16.5
	Two or More Races	86,119	68	22.2	19.3
	Prefer not/No Response	158,083	46	22.6	18.3

<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	2,782	9	18.3	18.3	19.2	18.8	18.8	18.8	
American Indian/Alaska Native	73	0	20.7	21.0	21.9	21.2	21.3	21.3	
White	20,795	69	24.7	24.1	25.1	24.3	24.7	24.5	
Hispanic/Latino	1,338	4	22.2	22.0	23.0	22.3	22.5	22.4	
Asian	1,870	6	26.6	27.8	26.1	26.2	26.8	27.3	
Native Hawaiian/Other Pac. Isl.	26	0	23.9	23.6	23.8	23.0	23.7	23.6	
Two or More Races	978	3	23.8	23.3	24.5	23.6	23.9	23.7	
Prefer not/No Response	2,082	7	24.8	24.2	25.1	24.4	24.8	24.5	
National	All Students	2,030,038	100	20.3	20.7	21.4	21.0	21.0	21.1
	Black/African American	256,756	13	16.0	17.1	17.4	17.4	17.1	17.5
	American Indian/Alaska Native	16,135	1	16.1	17.6	18.0	18.0	17.5	18.0
	White	1,062,439	52	22.1	21.9	23.0	22.3	22.4	22.3
	Hispanic/Latino	347,906	17	17.7	18.9	19.3	19.1	18.9	19.2
	Asian	96,097	5	23.7	25.2	23.9	24.0	24.3	24.9
	Native Hawaiian/Other Pac. Isl.	6,503	0	17.2	18.6	18.6	18.7	18.4	18.9
	Two or More Races	86,119	4	20.6	20.7	21.9	21.2	21.2	21.2
	Prefer not/No Response	158,083	8	19.5	20.1	20.8	20.3	20.3	20.5

Total Students in Report: 29,944

**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	13,639	90	24.7	22.7
	Females	16,300	90	24.0	22.6
	No Response	5	100	24.2	.
National	Males	939,730	66	22.3	18.7
	Females	1,047,170	71	21.9	19.3
	No Response	43,138	27	19.0	16.5

<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	13,639	46	23.9	24.6	24.4	24.5	24.5	24.8
	Females	16,300	54	24.2	23.0	24.5	23.2	23.9	23.3
	No Response	5	0	25.6	24.2	23.0	23.8	24.2	24.4
National	Males	939,730	46	19.9	21.2	21.2	21.3	21.0	21.5
	Females	1,047,170	52	20.8	20.4	21.8	20.8	21.1	20.8
	No Response	43,138	2	16.4	17.8	17.9	18.1	17.7	18.2

**Table 2.6. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	29	27	30	27	28
Q2 (50th Percentile)	24	24	24	24	24
Q1 (25th Percentile)	20	19	20	20	20

# Section III

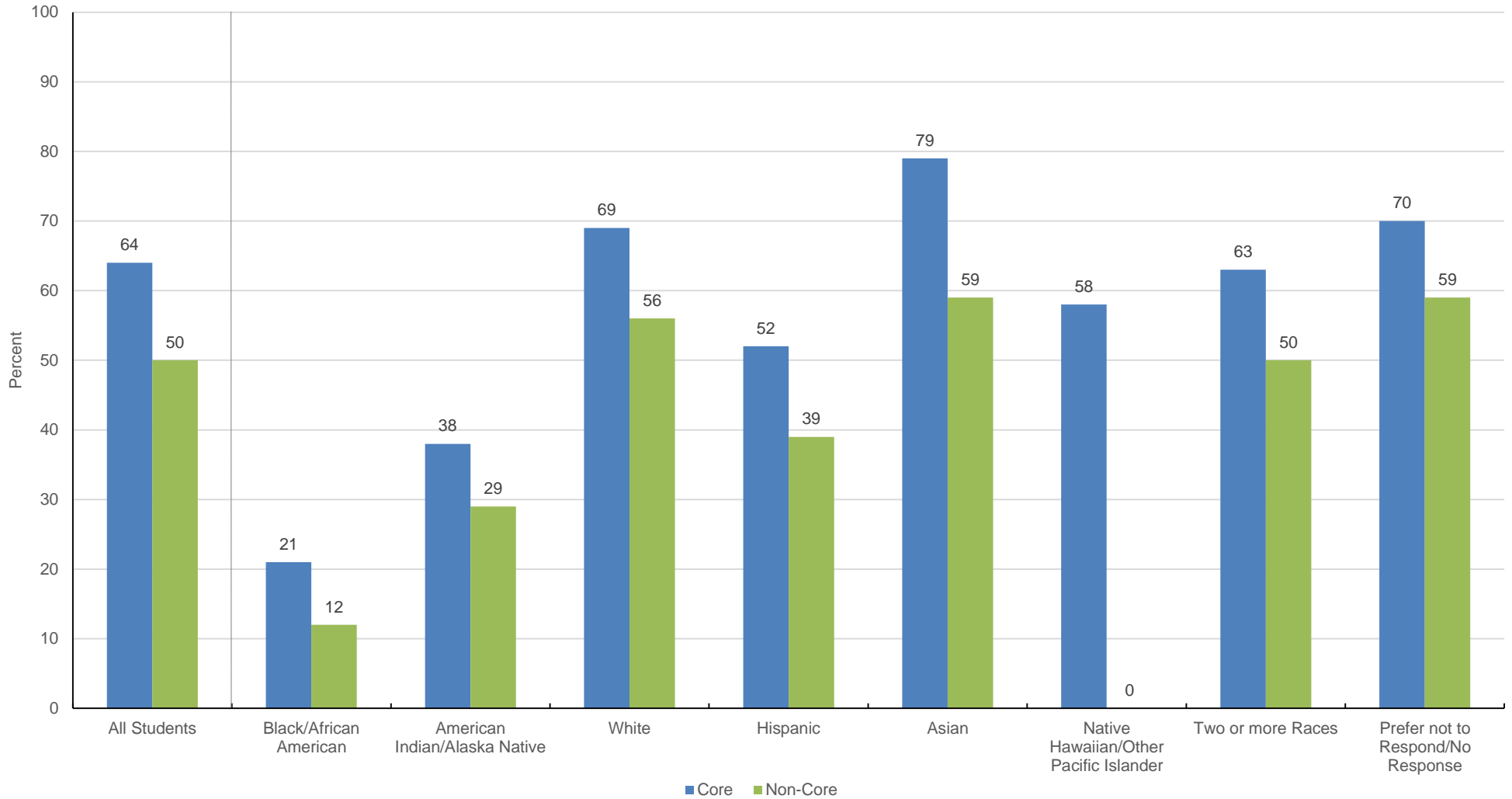
## College and Career Readiness and the Impact of Course Rigor

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 29,944

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: 29,944

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

Student Group	CCRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	3,877	13	1,869	6	3,521	12	2,356	8
	28 to 32	4,784	16	5,599	19	6,740	23	4,565	15
	24 to 27	6,752	23	8,889	30	5,653	19	8,140	27
	20 to 23	7,622	25	5,237	17	7,289	24	8,912	30
	16 to 19	4,059	14	6,503	22	4,522	15	4,514	15
	13 to 15	1,995	7	1,788	6	1,715	6	1,111	4
	01 to 12	855	3	59	0	504	2	346	1
National	33 to 36	136,676	7	61,071	3	141,382	7	79,636	4
	28 to 32	180,218	9	192,088	9	276,868	14	159,638	8
	24 to 27	304,755	15	404,500	20	287,704	14	371,660	18
	20 to 23	454,612	22	329,804	16	472,133	23	580,793	29
	16 to 19	372,731	18	686,547	34	426,969	21	513,876	25
	13 to 15	307,497	15	332,337	16	274,775	14	227,206	11
	01 to 12	273,549	13	23,691	1	150,207	7	97,229	5

**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	82	70	67	63	52
	Females	85	60	68	55	44
	No Response	100	60	60	80	40
National	Males	59	44	46	40	29
	Females	65	39	49	35	26
	No Response	37	19	24	18	10

Total Students in Report: 29,944

**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
			Benchmark=18 %	Benchmark=22 %	Benchmark=22 %	Benchmark=23 %	%	Benchmark=26 %
State	All Students	29,944	84	64	68	58	47	39
	Black/African American	2,782	49	22	31	18	12	7
	American Indian/Alaska Native	73	63	41	42	37	26	18
	White	20,795	89	69	72	63	51	41
	Hispanic/Latino	1,338	75	52	58	44	34	27
	Asian	1,870	87	85	74	74	64	64
	Native Hawaiian/Other Pac. Isl	26	92	65	69	46	35	31
	Two or More Races	978	83	61	69	57	47	35
	Prefer Not to Respond	2,082	84	66	69	62	52	44
National	All Students	2,030,038	61	41	47	37	27	21
	Black/African American	256,756	33	13	20	11	6	4
	American Indian/Alaska Native	16,135	34	16	25	15	8	5
	White	1,062,439	74	51	58	47	35	26
	Hispanic/Latino	347,906	46	26	33	22	14	10
	Asian	96,097	76	70	62	58	48	46
	Native Hawaiian/Other Pac. Isl	6,503	43	26	29	21	15	11
	Two or More Races	86,119	64	40	50	38	27	20
	Prefer Not to Respond	158,083	54	36	42	34	25	20

**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
		N	%	Composite
State	Gold or Higher	13,963	47	28.7
	Silver	13,696	46	21.0
	Bronze	2,155	7	15.0
	Needs Improvement	130	0	11.6
National	Gold or Higher	538,392	27	28.5
	Silver	984,772	49	20.3
	Bronze	440,158	22	14.7
	Needs Improvement	66,716	3	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: 29,944

**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>	26,954	85	24.3	66	23.9	69	24.6	60	24.0	49	24.3	40	24.2
	Less than Core	2,362	74	22.5	54	22.3	57	23.0	47	22.3	36	22.7	29	22.5
	Missing <sup>3</sup>	628	67	20.8	42	20.8	55	22.7	42	21.8	32	21.7	25	21.6
National	Core or More	1,376,479	70	21.6	48	21.7	54	22.6	44	21.9	33	22.1	25	22.1
	Less than Core	464,989	46	17.9	26	18.8	33	19.3	24	19.1	16	18.9	11	19.2
	Missing	188,570	37	16.5	20	17.9	27	18.2	20	18.3	12	17.9	9	18.3

<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>	N	English			Mathematics			Reading			Science		
			%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	
State	Core or More <sup>2</sup>	28,818	84	24.2	29,084	65	23.8	28,656	68	24.5	28,047	59	23.9	
	Less than Core	509	70	21.8	242	29	19.2	673	56	23.0	1,282	45	22.0	
	Missing <sup>3</sup>	617	68	20.9	618	43	20.8	615	56	22.8	615	43	21.8	
National	Core or More	1,749,083	65	20.9	1,754,759	44	21.2	1,634,115	51	22.0	1,601,572	42	21.7	
	Less than Core	109,158	34	15.9	96,952	8	16.3	218,140	34	19.5	248,948	17	18.2	
	Missing	171,797	39	16.7	178,327	21	18.0	177,783	28	18.3	179,518	20	18.4	

<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: 29,944

**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	8,859	30	24.8	87	372,397	18	22.0	72
Eng 9, Eng 10, Eng 11, Eng 12	19,959	67	23.9	83	1,376,686	68	20.6	64
Less than 4 years of English	509	2	21.8	70	109,158	5	15.9	34
Zero years / no English courses reported	617	2	20.9	68	171,797	8	16.7	39
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,223	7	24.9	76	117,096	6	23.2	62
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,423	8	22.9	64	152,416	8	21.5	51
Alg 1, Alg 2, Geom, & Trig	1,398	5	20.6	43	113,080	6	18.9	26
Alg 1, Alg 2, Geom, & Other Adv Math	4,206	14	21.1	47	364,399	18	19.3	29
Other comb of 4 or more years of Math	15,378	51	25.7	78	684,625	34	23.8	64
Alg 1, Alg 2, & Geom	1,969	7	18.3	20	217,043	11	16.9	10
Other comb of 3 or 3.5 years of Math	1,487	5	21.7	49	106,100	5	19.6	32
Less than 3 years of Math	242	1	19.2	29	96,952	5	16.3	8
Zero years / no Math courses reported	618	2	20.8	43	178,327	9	18.0	21
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	271	1	25.5	75	52,959	3	22.1	51
Other comb of 4 or more years Social Science	21,071	70	24.7	69	934,153	46	22.6	55
US Hist, World Hist, & Am Gov	444	1	23.7	62	120,831	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	6,870	23	24.2	65	526,172	26	21.6	48
Less than 3 years of Social Science	673	2	23.0	56	218,140	11	19.5	34
Zero years / no Social Science courses reported	615	2	22.8	56	177,783	9	18.3	28
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	16,918	56	24.4	63	809,286	40	22.4	48
Bio, Chem, Phys	3,648	12	25.5	71	225,060	11	23.2	53
Gen Sci <sup>1</sup> , Bio, Chem	6,738	23	22.2	46	513,247	25	20.2	30
Other comb of 3 years of Natural Science	743	2	21.7	43	53,979	3	19.1	24
Less than 3 years of Natural Science	1,282	4	22.0	45	248,948	12	18.2	17
Zero years / no Natural Science courses reported	615	2	21.8	43	179,518	9	18.4	20

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



Total Students in Report: 29,944

**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	8,859	30	24.8	87	3,664	27	24.5	85	5,193	32	25.0	88
Eng 9, Eng 10, Eng 11, Eng 12	19,959	67	23.9	83	9,388	69	23.8	82	10,568	65	24.0	84
Less than 4 years of English	509	2	21.8	70	245	2	21.1	66	264	2	22.4	73
Zero years / no English courses reported	617	2	20.9	68	342	3	20.7	66	275	2	21.1	70
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	2,223	7	24.9	76	1,071	8	25.6	79	1,152	7	24.2	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,423	8	22.9	64	919	7	23.4	69	1,504	9	22.6	61
Alg 1, Alg 2, Geom, & Trig	1,398	5	20.6	43	600	4	20.9	46	797	5	20.4	41
Alg 1, Alg 2, Geom, & Other Adv Math	4,206	14	21.1	47	1,442	11	21.5	51	2,762	17	20.9	44
Other comb of 4 or more years of Math	15,378	51	25.7	78	7,722	57	26.4	82	7,654	47	25.0	75
Alg 1, Alg 2, & Geom	1,969	7	18.3	20	755	6	18.6	23	1,214	7	18.1	18
Other comb of 3 or 3.5 years of Math	1,487	5	21.7	49	673	5	22.2	53	814	5	21.3	46
Less than 3 years of Math	242	1	19.2	29	114	1	19.9	39	128	1	18.6	20
Zero years / no Math courses reported	618	2	20.8	43	343	3	21.1	44	275	2	20.5	40
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	271	1	25.5	75	162	1	25.6	75	109	1	25.4	76
Other comb of 4 or more years Social Science	21,071	70	24.7	69	9,128	67	24.6	68	11,938	73	24.7	70
US Hist, World Hist, & Am Gov	444	1	23.7	62	238	2	23.8	65	206	1	23.6	59
Other comb of 3 or 3.5 years of Social Science	6,870	23	24.2	65	3,429	25	24.2	65	3,441	21	24.1	64
Less than 3 years of Social Science	673	2	23.0	56	342	3	23.0	57	331	2	22.9	55
Zero years / no Social Science courses reported	615	2	22.8	56	340	2	22.3	54	275	2	23.4	58
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	16,918	56	24.4	63	8,377	61	25.0	67	8,537	52	23.8	59
Bio, Chem, Phys	3,648	12	25.5	71	1,841	13	26.3	76	1,807	11	24.7	66
Gen Sci <sup>2</sup> , Bio, Chem	6,738	23	22.2	46	2,257	17	22.4	47	4,480	27	22.1	45
Other comb of 3 years of Natural Science	743	2	21.7	43	400	3	22.3	45	343	2	21.1	40
Less than 3 years of Natural Science	1,282	4	22.0	45	423	3	22.4	46	859	5	21.8	44
Zero years / no Natural Science courses reported	615	2	21.8	43	341	3	22.0	42	274	2	21.6	44

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

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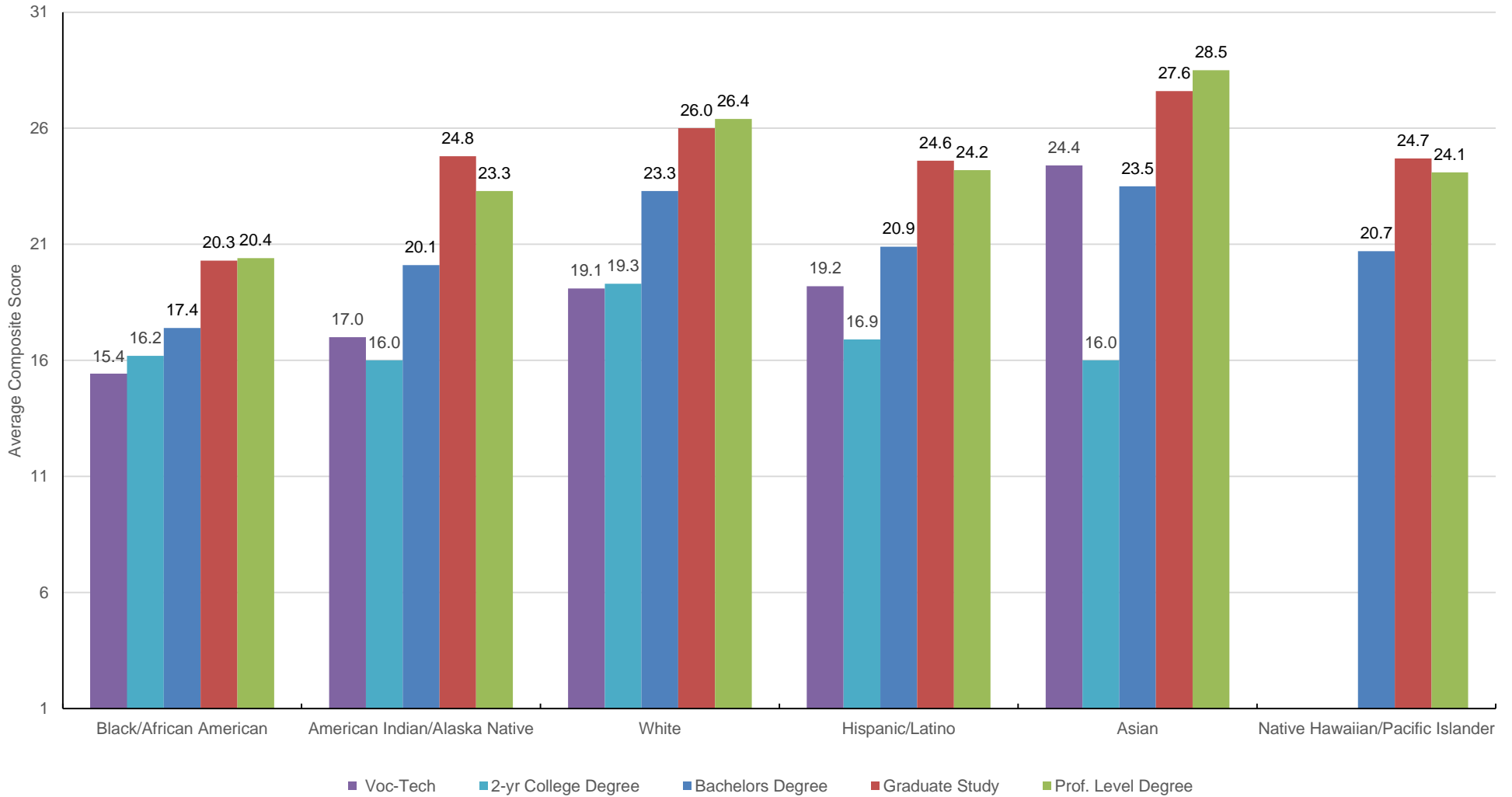
# Section IV

## Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

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: 29,944

**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	228	1	22.7	11	3	18.3	210	1	22.9
Architecture	225	1	23.1	2	1	20.0	213	1	23.2
Area, Ethnic, & Multidisciplinary Studies	33	0	25.2	1	0	16.0	29	0	25.8
Arts: Visual & Performing	1,180	4	23.0	35	10	17.7	1,073	4	23.2
Business	3,543	12	23.1	69	21	19.0	3,309	12	23.2
Communications	532	2	22.6	4	1	19.3	506	2	22.8
Community, Family, & Personal Services	347	1	21.0	14	4	18.8	317	1	21.2
Computer Science & Mathematics	906	3	26.3	10	3	21.4	849	3	26.4
Education	1,068	4	22.8	13	4	19.4	1,018	4	22.9
Engineering	3,230	11	26.0	14	4	20.8	3,074	11	26.0
Engineering Technology & Drafting	362	1	23.0	7	2	19.0	343	1	23.1
English & Foreign Languages	321	1	26.2	1	0	19.0	297	1	26.2
Health Administration & Assisting	650	2	20.6	11	3	16.8	604	2	20.7
Health Sciences & Technologies	6,003	20	23.8	37	11	18.9	5,750	21	23.8
Philosophy, Religion, & Theology	93	0	23.4	1	0	19.0	84	0	23.3
Repair, Production, & Construction	89	0	20.4	23	7	19.1	59	0	20.8
Sciences: Biological & Physical	2,633	9	26.0	6	2	18.7	2,527	9	26.0
Social Sciences & Law	2,099	7	24.1	13	4	18.4	1,994	7	24.1
Undecided	5,889	20	24.5	63	19	18.4	5,272	19	24.6
No Response	510	2	21.9	0	0	.	48	0	22.6

<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: 29,944

**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	98	18.8	14	15.4	1	17.0	61	19.1	10	19.2
2-yr College Degree	237	18.7	31	16.2	3	16.0	165	19.3	14	16.9
Bachelors Degree	12,726	22.5	1,211	17.4	38	20.1	9,496	23.3	601	20.9
Graduate Study	6,899	25.6	486	20.3	9	24.8	5,090	26.0	276	24.6
Prof. Level Degree	7,954	25.9	859	20.4	17	23.3	4,975	26.4	359	24.2
Other	197	20.6	41	16.4	0	.	102	21.9	13	17.6
No Response	1,833	23.7	140	16.8	5	21.8	906	24.4	65	21.2

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	98	18.8	7	24.4	0	.	2	15.5	3	18.3
2-yr College Degree	237	18.7	4	16.0	0	.	8	19.0	12	20.8
Bachelors Degree	12,726	22.5	459	23.5	7	20.7	382	22.1	532	22.7
Graduate Study	6,899	25.6	391	27.6	9	24.7	223	25.3	415	25.6
Prof. Level Degree	7,954	25.9	821	28.5	8	24.1	319	25.6	596	27.1
Other	197	20.6	22	23.1	0	.	5	17.0	14	24.2
No Response	1,833	23.7	166	26.7	2	28.0	39	22.7	510	23.7

Total Students in Report: 29,944

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
MICHIGAN STATE UNIVERSITY	Michigan	8,161	3,317	4,844	0	2	11	27	32	24	4
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	5,615	2,553	3,062	0	1	5	15	30	39	11
GRAND VALLEY STATE UNIVERSITY	Michigan	5,179	1,340	3,839	0	2	16	33	31	16	2
CENTRAL MICHIGAN UNIVERSITY	Michigan	3,669	890	2,779	0	5	22	33	26	12	1
WESTERN MICHIGAN UNIVERSITY	Michigan	2,940	546	2,394	0	5	20	32	26	15	2
OAKLAND UNIVERSITY	Michigan	2,813	711	2,102	0	4	19	31	29	15	2
WAYNE STATE UNIVERSITY	Michigan	2,399	579	1,820	1	6	20	30	25	17	2
FERRIS STATE UNIVERSITY	Michigan	1,544	432	1,112	0	8	24	33	23	11	1
EASTERN MICHIGAN UNIVERSITY	Michigan	1,439	289	1,150	1	8	26	31	22	11	1
SAGINAW VALLEY STATE UNIVERSITY	Michigan	1,101	281	820	1	6	23	35	24	10	1
MICHIGAN TECHNOLOGICAL UNIVERSITY	Michigan	986	317	669	0	1	5	20	32	37	6
UNIVERSITY OF MICHIGAN-DEARBORN	Michigan	878	180	698	0	3	17	26	30	20	3
HOPE COLLEGE	Michigan	829	227	602	0	1	8	26	33	28	4
NORTHERN MICHIGAN UNIVERSITY	Michigan	740	207	533	0	4	23	31	28	13	1
UNIVERSITY OF MICHIGAN-FLINT	Michigan	612	133	479	1	7	18	28	27	18	2
CALVIN COLLEGE	Michigan	587	228	359	0	2	9	22	31	29	7
NCAA ELIGIBILITY CENTER	Indiana	529	278	251	1	7	19	27	27	17	2
LAWRENCE TECHNOLOGICAL UNIVERSITY	Michigan	471	114	357	0	3	12	27	30	25	3
PURDUE UNIVERSITY	Indiana	450	60	390	0	1	2	14	27	46	10
UNIVERSITY OF DETROIT MERCY	Michigan	447	96	351	0	4	20	33	22	19	1
GRAND RAPIDS COMMUNITY COLLEGE	Michigan	426	136	290	1	7	35	32	20	6	0
KETTERING UNIVERSITY	Michigan	426	144	282	0	0	4	21	34	35	5
DAVENPORT UNIVERSITY	Michigan	397	89	308	1	7	29	32	22	8	1
UNIVERSITY OF CHICAGO	Illinois	378	77	301	0	0	3	8	19	48	23
ALMA COLLEGE	Michigan	377	98	279	0	4	20	31	26	16	3
UNIVERSITY OF NOTRE DAME	Indiana	374	95	279	0	0	3	9	24	44	20
OHIO STATE UNIVERSITY THE	Ohio	370	59	311	1	3	10	21	29	32	5
NORTHWESTERN UNIVERSITY	Illinois	367	61	306	0	0	2	4	18	50	26
UNIVERSITY OF TOLEDO	Ohio	353	105	248	1	6	23	34	21	13	3
AQUINAS COLLEGE-MI	Michigan	340	86	254	0	2	19	36	31	12	1
All Other Institutions		19,475	4,566	14,909	1	5	15	24	25	24	7
<b>Total</b>		<b>64,672</b>	<b>18,294</b>	<b>46,378</b>	<b>0</b>	<b>4</b>	<b>15</b>	<b>26</b>	<b>27</b>	<b>22</b>	<b>5</b>

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# Section V

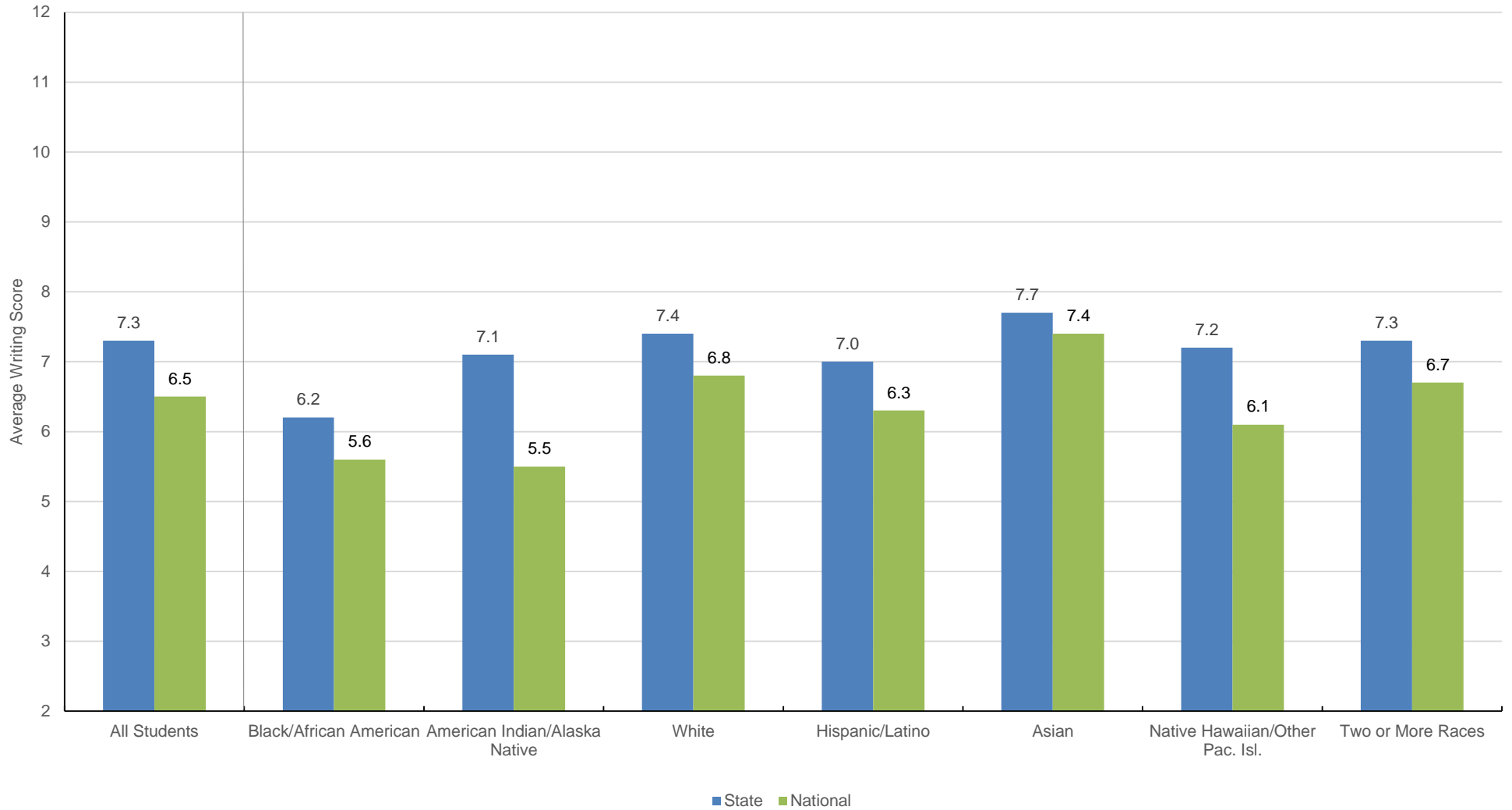
## Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 29,944

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



\*Missing columns reflect race/ethnicity groupings that are missing. Results based on students with ACT Writing scores from test events beginning September 2015. Score scale is 2-12.

Total Students in Report: 29,944

**Table 5.1. Average ACT English Language Arts and Constituent Scores by Race/Ethnicity and Gender for Students Who Took ACT Writing<sup>1</sup>**

	N		Average ACT Scores							
			Writing		English		Reading		English Language Arts	
			State	National	State	National	State	National	State	National
<b>All Students</b>	<b>19,293</b>	<b>1,090,621</b>	<b>7.3</b>	<b>6.5</b>	<b>24.7</b>	<b>20.9</b>	<b>25.1</b>	<b>22.0</b>	<b>23.3</b>	<b>20.2</b>
Black/African American	1,751	125,357	6.2	5.6	18.8	16.2	19.6	17.7	18.2	16.0
American Indian/Alaska Native	45	7,357	7.1	5.5	21.9	15.9	22.8	17.9	21.5	16.0
White	13,021	525,822	7.4	6.8	25.3	22.8	25.7	23.8	23.8	21.8
Hispanic/Latino	901	218,012	7.0	6.3	22.7	18.1	23.5	19.7	21.8	18.1
Asian	1,495	72,490	7.7	7.4	27.3	24.5	26.6	24.7	25.1	23.3
Native Hawaiian/Other Pac. Isl.	18	4,270	7.2	6.1	24.6	17.5	24.3	18.8	22.9	17.5
Two or More Races	643	48,148	7.3	6.7	24.7	21.2	25.3	22.5	23.4	20.6
Prefer not/No Response	1,419	89,165	7.3	6.4	25.7	20.6	25.8	21.7	23.9	19.8
Males	8,676	496,038	7.1	6.3	24.7	20.6	25.1	21.8	23.1	19.8
Females	10,612	568,720	7.4	6.8	24.8	21.4	25.1	22.4	23.4	20.8
No Response	5	25,863	8.0	5.5	25.6	16.4	23.0	18.0	24.0	16.3

<sup>1</sup>Results based on students with ACT writing scores with test events beginning September 2015. The writing score range is 2-12 (i.e., the rounded average of the four domain scores).

**Table 5.2. Average ACT English and Writing Scores by Race/Ethnicity and Gender for Students Who Took ACT Writing<sup>1</sup>**

	N		Average ACT Scores					
			English		Writing		English / Writing Combined	
			State	National	State	National	State	National
<b>All Students</b>	<b>322</b>	<b>3,655</b>	<b>24.2</b>	<b>23.5</b>	<b>7.3</b>	<b>6.8</b>	<b>23.0</b>	<b>22.0</b>
Black/African American	25	200	16.4	18.5	6.3	6.1	16.3	17.6
American Indian/Alaska Native	0	14	.	19.9	.	5.9	.	18.6
White	202	2,049	24.2	24.1	7.4	6.9	23.0	22.5
Hispanic/Latino	10	588	21.8	18.4	7.0	5.8	20.9	17.2
Asian	42	367	28.3	29.5	7.8	8.1	26.3	27.5
Native Hawaiian/Other Pac. Isl.	0	2	.	21.5	.	6.0	.	20.0
Two or More Races	9	123	20.8	24.6	6.7	6.9	19.8	22.8
Prefer not/No Response	34	312	26.6	25.5	7.3	6.9	24.6	23.5
Males	156	1,700	24.2	23.6	7.2	6.6	22.9	21.9
Females	166	1,955	24.2	23.5	7.5	6.9	23.1	22.0
No Response	0	0	.	.	.	.	.	.

<sup>1</sup>Results based on students with ACT writing scores with test events prior to September 2015. The writing score range is 2-12.

