

The Condition of College & Career Readiness 2018

Wyoming Key Findings

Performance

- In the 2018 Wyoming graduating class, 6,342 graduates (100 percent) took the ACT test with a Composite score average of 20.0. This compares to 6,098 (100 percent) with an average of 20.1 in 2014. Nationally, 55% of 2018 graduates took the ACT with an average Composite score of 20.8.
 - ~ There were 56 African American graduates from Wyoming who took the ACT (1 percent) with an average Composite score of 16.8. This compares to 44 (1 percent) with an average of 18.2, and 50 (1 percent) with an average of 17.0, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 146 American Indian graduates from Wyoming who took the ACT (2 percent) with an average Composite score of 16.2. This compares to 138 (2 percent) with an average of 16.3, and 120 (2 percent) with an average of 16.7, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 4,638 White graduates from Wyoming who took the ACT (73 percent) with an average Composite score of 20.6. This compares to 4,496 (72 percent) with an average of 20.7, and 4,452 (73 percent) with an average of 20.6, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 844 Hispanic graduates from Wyoming who took the ACT (13 percent) with an average Composite score of 18.1. This compares to 773 (12 percent) with an average of 18.7, and 720 (12 percent) with an average of 18.3, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 32 Asian graduates from Wyoming who took the ACT (1 percent) with an average Composite score of 20.9. This compares to 42 (1 percent) with an average of 22.2, and 43 (1 percent) with an average of 23.0, for the 2017 and 2014 graduating classes, respectively.

Performance - Subject Areas

- The 2018 Wyoming graduating class average English score was 19.0. This compares to 19.4 and 19.3 in 2017 and 2014, respectively.
- The 2018 Wyoming graduating class average math score was 19.7. This compares to 19.8 and 19.9 in 2017 and 2014, respectively.
- The 2018 Wyoming graduating class average reading score was 20.6. This compares to 20.8 and 20.6 in 2017 and 2014, respectively.
- The 2018 Wyoming graduating class average science score was 20.3. This compares to 20.6 and 20.2 in 2017 and 2014, respectively.

Performance - College Readiness Benchmarks

- In 2018, 21 percent of Wyoming graduates met all four ACT College Readiness Benchmarks. This compares to 21 and 20 percent of 2017 and 2014 graduates, respectively.
- In 2018, 2,078 (33 percent) of Wyoming graduates met three or four ACT College Readiness Benchmarks. This compares to 2,093 and 1,972 (33 and 32 percent) out of 2017 and 2014 graduates, respectively. For reference, the national percentage of 2018 graduates meeting three or four benchmarks was 38%.
- In 2018, 38 percent of Wyoming graduates met zero ACT College Readiness Benchmarks. This compares to 35 and 36 percent of 2017 and 2014 graduates, respectively.
- In 2018, 55 percent of Wyoming graduates met the ACT English College Readiness Benchmark. This compares to 58 and 59 percent of 2017 and 2014 graduates, respectively.
 - ~ 2018 Wyoming graduates taking more advanced English coursework demonstrated markedly higher average English scores than those who did not. In fact, 59 percent of Wyoming 2018 graduates taking four or more years of English met the ACT English College Readiness Benchmark. This compares to 34 percent of students taking less than four years of English meeting the benchmark.
- In 2018, 33 percent of Wyoming graduates met the ACT Math College Readiness Benchmark. This compares to 34 and 34 percent of 2017 and 2014 graduates, respectively.
- In 2018, 41 percent of Wyoming graduates met the ACT Reading College Readiness Benchmark. This compares to 42 and 40 percent of 2017 and 2014 graduates, respectively.
- In 2018, 33 percent of Wyoming graduates met the ACT Science College Readiness Benchmark. This compares to 34 and 31 percent of 2017 and 2014 graduates, respectively.
 - ~ 2018 Wyoming graduates taking more advanced science coursework demonstrated markedly higher average science scores than those who did not. In fact, 41 percent of Wyoming 2018 graduates taking three or more years of science met the ACT Science College Readiness Benchmark. This compares to 16 percent of students taking less than three years of science meeting the benchmark.

Additional Performance Notes

- 44 percent of 2018 Wyoming graduates were Proficient or Above Proficient in understanding complex texts. Nationally, 48% of graduates were Proficient or Above Proficient.
 - ~ In 2018, 11 percent of Wyoming graduates took the ACT with extended time. This compares to 9 and 7 percent of 2017 and 2014 graduates, respectively.
 - ~ 56 percent of 2018 Wyoming graduates were Below Proficient in understanding complex texts.

STEM

- 3,075 recent Wyoming graduates (48 percent) indicated an interest in STEM majors and/or careers compared to 45 percent of national graduates.
- Compared to a 2018 Wyoming graduating class average ACT STEM score of 20.2, graduates in 2017 and 2014 had STEM averages of 20.4 and 20.3, respectively.
- Compared to 14 percent of 2018 Wyoming graduates meeting the ACT STEM College Readiness Benchmark, graduates in 2017 and 2014 had STEM Benchmark percentages of 14 and 14, respectively.
- 2018 Wyoming graduates meeting the ACT STEM College Readiness Benchmark had an average science score of 28.2. This compares to 27.9 in 2014.
 - ~ 2018 graduates taking physics had an average science score of 21.6, compared to 19.6 for students not taking physics.
- 2018 Wyoming graduates meeting the ACT STEM College Readiness Benchmark had an average math score of 27.8. This compares to 27.8 in 2014.
 - ~ 2018 graduates taking three or more years of math had an average math score of 20.4, compared to 16.1 for students taking less than three years of math.

Career Readiness

- In 2018, 1,258 Wyoming graduates (20 percent) were likely to attain a Gold ACT WorkKeys® National Career Readiness Certificate® and 4,573 graduates (72 percent) were likely to attain a Silver certificate or higher based on ACT Composite scores.
- ACT Composite scores associated with a 50% chance of earning each of the ACT WorkKeys NCRC levels or higher are: 13 for Bronze, 17 for Silver, 25 for Gold, and 35 for Platinum.

Impact

- Based on the actual test volume and ACT score distributions of 2018 ACT-tested Wyoming high school graduates, ACT research estimates that an increase of 0.1 in state average ACT Composite score for the 2018 graduating class would result in:
 - ~ 16 more students enrolling in college.
 - ~ 18 more students persisting to year two.
 - ~ 14 fewer students needing remedial English.
 - ~ 22 fewer students needing remedial math.
 - ~ 19 more students persisting to year four.
 - ~ 20 more students earning a postsecondary degree within six years.

Behaviors that Impact Access and Opportunity

- In Wyoming, 2,457 of the 2018 graduates (38.7%) taking the ACT two or more times had an average Composite score of 22.1, compared to an average of 18.7 for 3,885 of the 2018 graduates (61.3%) who took the ACT only once.
- 14,110 score reports were sent to colleges by 2018 Wyoming ACT-tested graduates.
 - ~ 6,562 score reports were sent to in-state public colleges by 2018 Wyoming ACT-tested graduates.
 - ~ For Wyoming's 2018 ACT-tested graduates, the top five schools to which scores were sent were University of Wyoming, Casper College, Laramie County Community College, Western Wyoming Community College, and Sheridan College.
 - ~ For Wyoming's 2018 ACT-tested graduates, the top three out-of-state schools to which scores were sent were Colorado State University, Black Hills State University, and University of Utah.
- Compared to 68 percent of 2018 graduates nationally, 74 percent of Wyoming graduates opted into the ACT Educational Opportunity Service (EOS). EOS is a free service that allows students to gain exposure to recruitment, scholarship agencies, colleges, and universities that students may not have accessed on their own. The ACT Get Your Name in the Game initiative encourages colleges and universities to recruit underserved EOS participants to increase access and opportunity for all.
- In the 2017-2018 academic year, ACT issued 559 ACT fee waivers to qualified Wyoming students. However, 129 students (23.1 percent) did not take advantage of this opportunity to test for free. This compares to 542,506 waivers issued nationally, of which 152,227 (28.1 percent) students did not take advantage. Fee waivers represent a great opportunity for students of low socioeconomic status to retest without incurring any fees. Note: this is the number of fee waivers issued for the state, not specific to this graduating class.

Pipeline

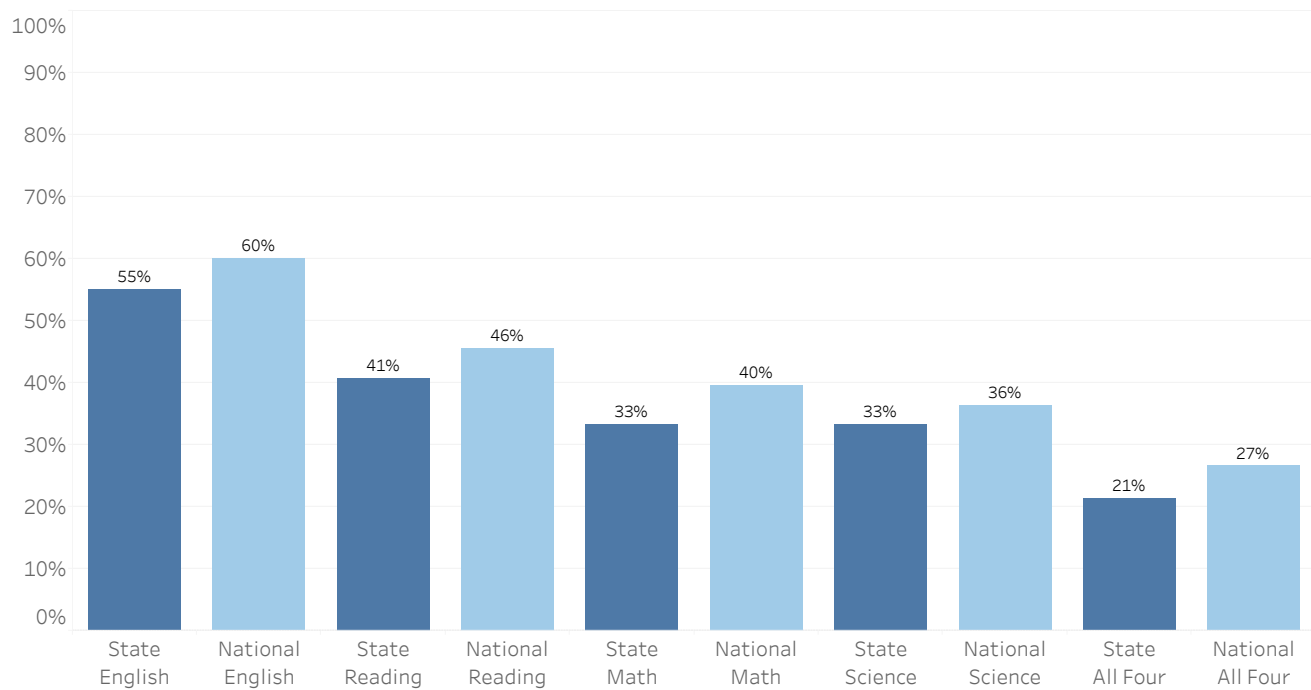
- ~ 1,701 students (27 percent) aspired to attain a graduate or professional degree. They had an average Composite score of 22.5.
- The good news is that 81% of Wyoming's 2018 ACT-tested graduates aspired to postsecondary education. Interestingly enough, 82% of Wyoming's 2017 graduating class aspired to enroll in postsecondary education, compared to 50% who actually enrolled. If the aspirational gap is closed, 2,043 of the 2017 graduates would have enrolled in postsecondary education.
 - ~ 2,542 students (40 percent) aspired to attain a bachelor's degree. They had an average Composite score of 20.3.
 - ~ 924 students (15 percent) aspired to attain a vocational/technical or associate's degree. They had an average Composite score of 17.1.
- In order of prevalence, the five most commonly indicated college majors of interest for 2018 Wyoming graduates were: Undecided; Nursing, Registered (BS/RN); Medicine (Pre-Medicine); Business Administration and Management, General; and Mechanical Engineering.
 - ~ In the Wyoming graduating class of 2018, 388 (6 percent) indicated planning on majoring in education. They had an average Composite score of 19.7.

Additional Points

- The Wyoming ACT State Organization continues to grow in membership and diversity, with more than 127 members from across the state. Membership includes educators from state agencies, K-12, access, and postsecondary institutions, as well as workforce development professionals. Each year, ACT partners to host conferences, bringing together colleagues representing these areas, to provide a unique professional development opportunity.

WYOMING College and Career Readiness Attainment, Participation, and Opportunity

Percent of 2018 ACT-Tested High School Graduates Meeting ACT College Readiness Benchmarks* by Subject



Data From Graph Above

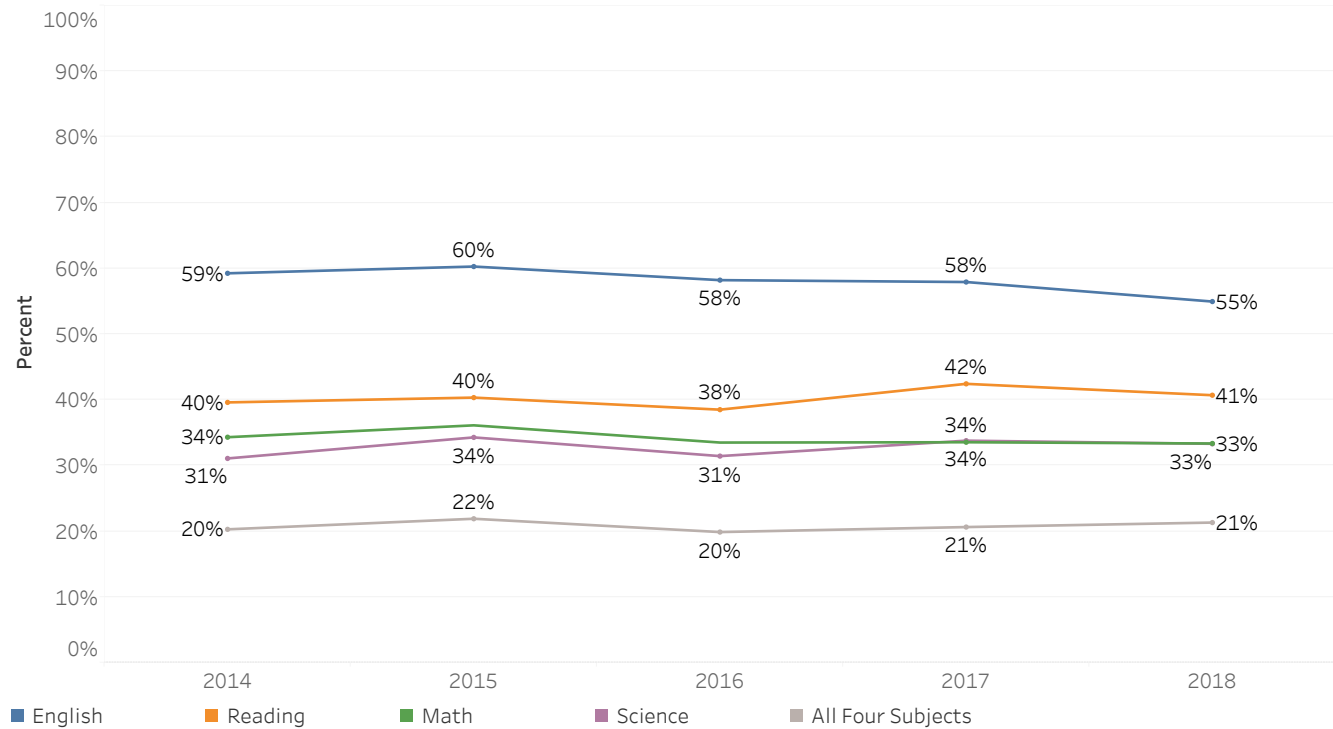
State English	National English	State Reading	National Reading	State Math	National Math	State Science	National Science	State All Four	National All Four
55%	60%	41%	46%	33%	40%	33%	36%	21%	27%

* The ACT College Readiness Benchmarks are scores on the ACT subject area tests that represent the level of achievement required for students to have a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in corresponding credit-bearing first-year college courses. Throughout this report, benchmark attainment corresponds with students meeting or exceeding 18 in English, 22 in Reading, 22 in Math and 23 in Science.

Note, missing data points in tables and graphs reflect insufficient data for reporting.

WYOMING College and Career Readiness Attainment, Participation, and Opportunity

Percent of 2014–2018 ACT-Tested High School Graduates Meeting ACT College Readiness Benchmarks*



Data From Graph Above

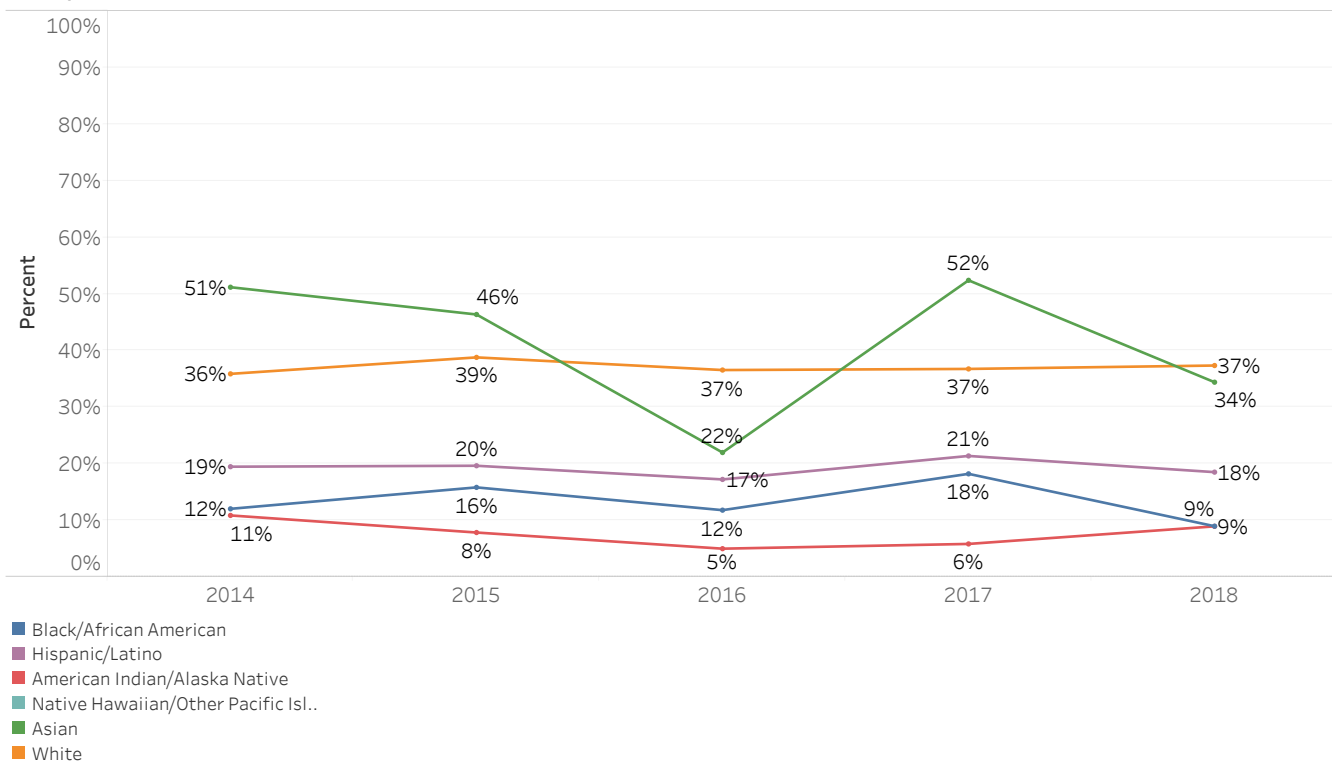
	English	Reading	Math	Science	All Four Subjects
2014	59%	40%	34%	31%	20%
2015	60%	40%	36%	34%	22%
2016	58%	38%	33%	31%	20%
2017	58%	42%	34%	34%	21%
2018	55%	41%	33%	33%	21%

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WYOMING College and Career Readiness Attainment, Participation, and Opportunity

Percent of 2014-2018 ACT-Tested High School Graduates Meeting Three or More Benchmarks by Race/Ethnicity



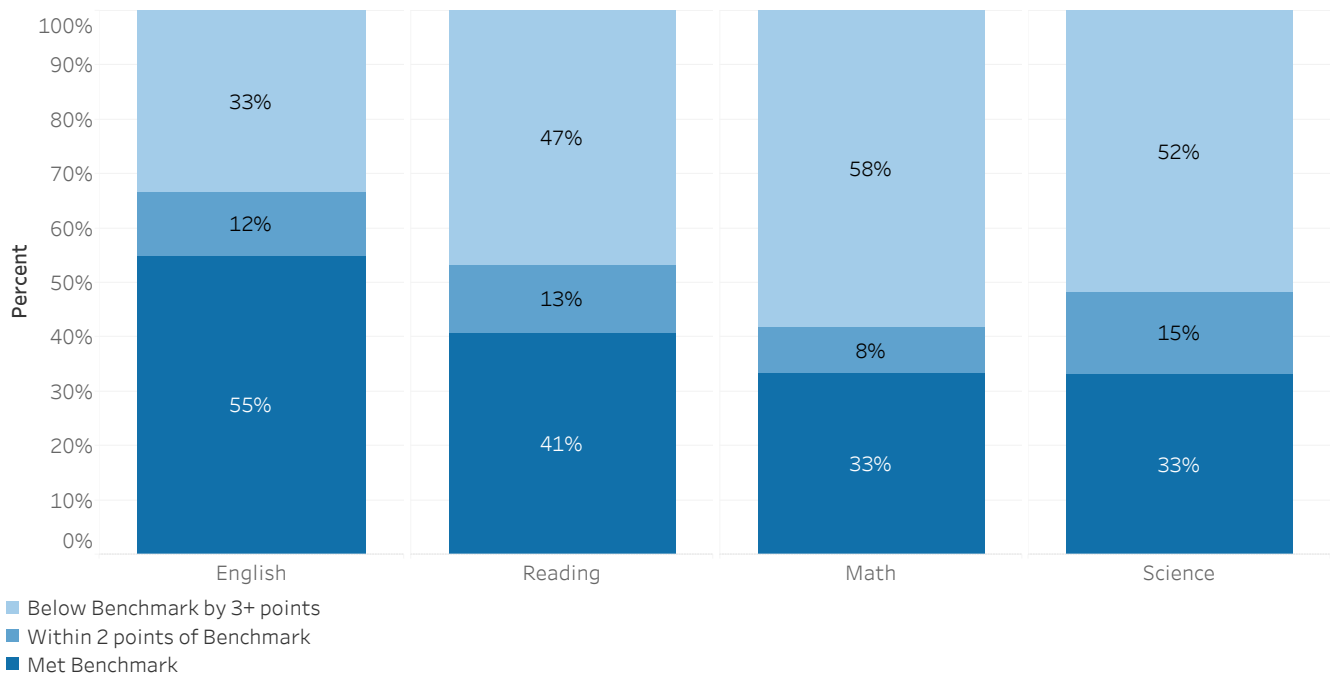
Data From Graph Above

	Black/African American	Hispanic/Latino	American Indian/Alaska Native	Native Hawaiian/Other Pacific Islander	Asian	White
2014	12%	19%	11%		51%	36%
2015	16%	20%	8%		46%	39%
2016	12%	17%	5%		22%	37%
2017	18%	21%	6%		52%	37%
2018	9%	18%	9%		34%	37%

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WYOMING College and Career Readiness Attainment, Participation, and Opportunity

Percent of 2018 ACT-Tested High School Graduates by ACT College Readiness Benchmark Attainment and Subject



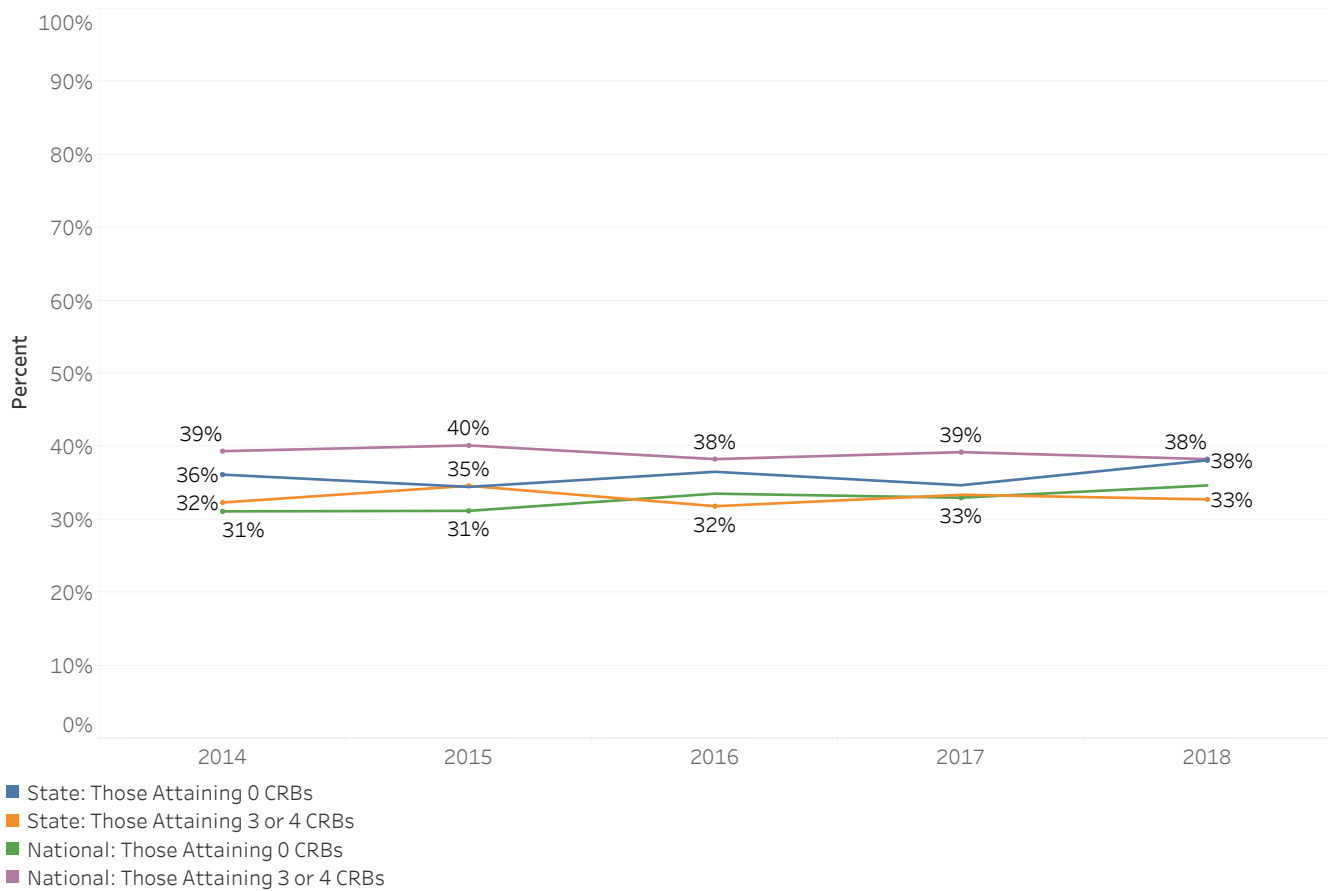
Data From Graph Above

	Below Benchmark by 3+ points	Within 2 points of Benchmark	Met Benchmark
English	33%	12%	55%
Math	58%	8%	33%
Reading	47%	13%	41%
Science	52%	15%	33%

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WYOMING College and Career Readiness Attainment, Participation, and Opportunity

Percent of 2014–2018 ACT-Tested High School Graduates Meeting ACT College Readiness Benchmarks*



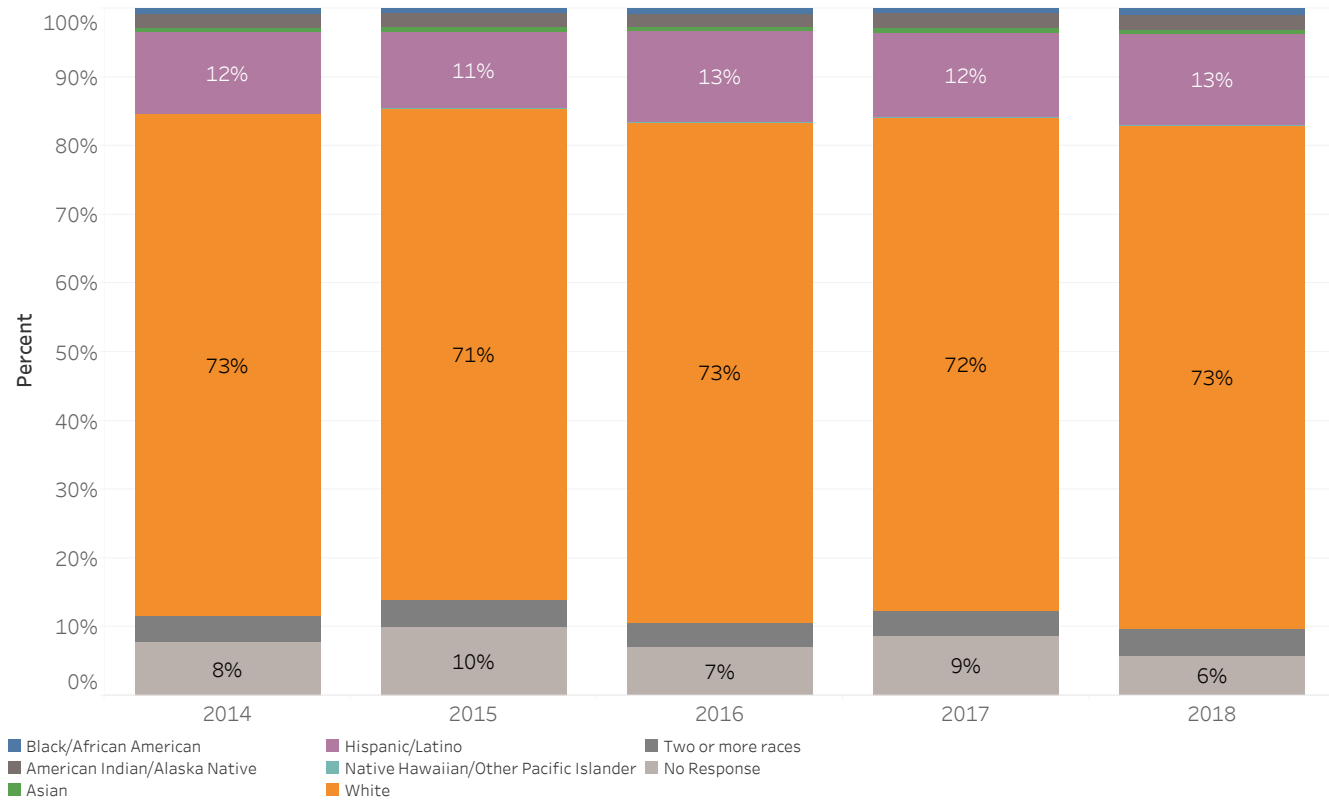
Data from Graph Above

	State: Those Attaining 0 CRBs	State: Those Attaining 3 or 4 CRBs	National: Those Attaining 0 CRBs	National: Those Attaining 3 or 4 CRBs
2014	36%	32%	31%	39%
2015	34%	35%	31%	40%
2016	37%	32%	34%	38%
2017	35%	33%	33%	39%
2018	38%	33%	35%	38%

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WYOMING College and Career Readiness Attainment, Participation, and Opportunity

Percent of 2014-2018 ACT-Tested High School Graduates by Race/Ethnicity



Data From Graph Above

	Black/African American	American Indian/Alaska Native	Asian	Hispanic/Latino	Native Hawaiian/Other Pacific Islander	White	Two or more races	No Response
2014	1%	2%	1%	12%	0%	73%	4%	8%
2015	1%	2%	1%	11%	0%	71%	4%	10%
2016	1%	2%	1%	13%	0%	73%	4%	7%
2017	1%	2%	1%	12%	0%	72%	4%	9%
2018	1%	2%	1%	13%	0%	73%	4%	6%

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WYOMING College and Career Readiness Attainment, Participation, and Opportunity

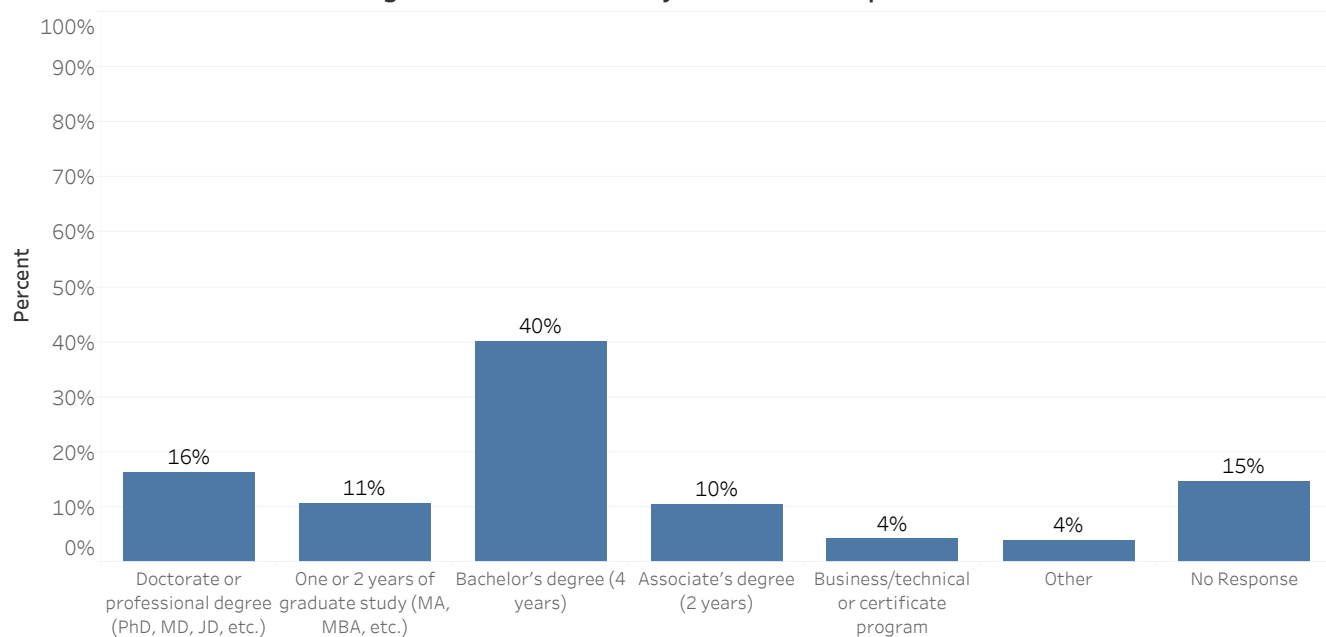
Student Data Trends: 2014-2018, State vs. Nation

	2014	2015	2016	2017	2018
State N-count	6,098	6,042	6,255	6,267	6,342
National N-count	1,845,787	1,924,436	2,090,342	2,030,038	1,914,817
Average ACT English Score - State	19.3	19.4	19.2	19.4	19.0
Average ACT English Score - National	20.3	20.4	20.1	20.3	20.2
Average ACT Reading Score - State	20.6	20.6	20.4	20.8	20.6
Average ACT Reading Score - National	21.3	21.4	21.3	21.4	21.3
Average ACT Math Score - State	19.9	19.9	19.6	19.8	19.7
Average ACT Math Score - National	20.9	20.8	20.6	20.7	20.5
Average ACT Science Score - State	20.2	20.4	20.4	20.6	20.3
Average ACT Science Score - National	20.8	20.9	20.8	21.0	20.7
Average ACT Composite Score - State	20.1	20.2	20.0	20.2	20.0
Average ACT Composite Score - National	21.0	21.0	20.8	21.0	20.8

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WYOMING College and Career Readiness Attainment, Participation, and Opportunity

Percent of 2018 ACT-Tested High School Graduates by Educational Aspirations



Data From Graph Above

	% of Graduates
Doctorate or professional degree (PhD, MD, JD, etc.)	16%
One or 2 years of graduate study (MA, MBA, etc.)	11%
Bachelor's degree (4 years)	40%
Associate's degree (2 years)	10%
Business/technical or certificate program	4%
Other	4%
No Response	15%

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