

The Condition of College & Career Readiness 2018

Hawaii Key Findings

Performance

- In the 2018 Hawaii graduating class, 12,460 graduates (89 percent) took the ACT test with a Composite score average of 18.9. This compares to 11,797 (90 percent) with an average of 18.2 in 2014. Nationally, 55% of 2018 graduates took the ACT with an average Composite score of 20.8.
 - ~ There were 957 White graduates from Hawaii who took the ACT (8 percent) with an average Composite score of 21.6. This compares to 981 (8 percent) with an average of 21.6, and 993 (8 percent) with an average of 21.1, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 1,759 Hispanic graduates from Hawaii who took the ACT (14 percent) with an average Composite score of 18.2. This compares to 1,654 (14 percent) with an average of 18.4, and 1,315 (11 percent) with an average of 17.6, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 3,761 Asian graduates from Hawaii who took the ACT (30 percent) with an average Composite score of 20.0. This compares to 3,634 (30 percent) with an average of 20.0, and 3,719 (32 percent) with an average of 18.9, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 1,280 Pacific Islander graduates from Hawaii who took the ACT (10 percent) with an average Composite score of 15.5. This compares to 1,327 (11 percent) with an average of 15.5, and 1,483 (13 percent) with an average of 15.4, for the 2017 and 2014 graduating classes, respectively.
- The 2018 Hawaii graduating class average English score was 18.2. This compares to 17.8 and 16.9 in 2017 and 2014, respectively.
- The 2018 Hawaii graduating class average math score was 19.0. This compares to 19.2 and 19.0 in 2017 and 2014, respectively.
- The 2018 Hawaii graduating class average reading score was 19.1. This compares to 19.2 and 18.3 in 2017 and 2014, respectively.
- The 2018 Hawaii graduating class average science score was 19.0. This compares to 19.3 and 18.1 in 2017 and 2014, respectively.
- In 2018, 16 percent of Hawaii graduates met all four ACT College Readiness Benchmarks. This compares to 17 and 13 percent of 2017 and 2014 graduates, respectively.
 - ~ In 2018, 47 percent of Hawaii graduates met zero ACT College Readiness Benchmarks. This compares to 47 and 52 percent of 2017 and 2014 graduates, respectively.
 - ~ In 2018, 48 percent of Hawaii graduates met the ACT English College Readiness Benchmark. This compares to 47 and 42 percent of 2017 and 2014 graduates, respectively.
 - ~ In 2018, 28 percent of Hawaii graduates met the ACT Math College Readiness Benchmark. This compares to 29 and 27 percent of 2017 and 2014 graduates, respectively.
 - ~ In 2018, 32 percent of Hawaii graduates met the ACT Reading College Readiness Benchmark. This compares to 33 and 26 percent of 2017 and 2014 graduates, respectively.

- ~ In 2018, 24 percent of Hawaii graduates met the ACT Science College Readiness Benchmark. This compares to 26 and 20 percent of 2017 and 2014 graduates, respectively.
 - 2018 Hawaii graduates taking more advanced science coursework demonstrated markedly higher average science scores than those who did not. In fact, 30 percent of Hawaii 2018 graduates taking three or more years of science met the ACT Science College Readiness Benchmark. This compares to 8 percent of students taking less than three years of science meeting the benchmark.
- In 2018, 3,193 (26 percent) of Hawaii graduates met three or four ACT College Readiness Benchmarks. This compares to 3,215 and 2,536 (27 and 21 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, 3 percent of Hawaii graduates took the ACT with extended time. This compares to 2 and 1 percent of 2017 and 2014 graduates, respectively.
- 34 percent of 2018 Hawaii graduates were Proficient or Above Proficient in understanding complex texts.

STEM

- In 2018, 5,426 Hawaii graduates (44 percent) indicated having an interest in STEM majors and/or careers.
 - ~ Nationally, 45 percent of graduates indicated having an interest in STEM.
- Compared to a 2018 Hawaii graduating class average ACT STEM score of 19.2, graduates in 2017 and 2014 had STEM averages of 19.5 and 18.8, respectively.
- 2018 Hawaii graduates meeting the ACT STEM College Readiness Benchmark had an average science score of 28.4. This compares to 27.8 in 2014.
 - ~ 2018 graduates taking physics had an average science score of 20.9, compared to 17.6 for students not taking physics.
- 2018 Hawaii graduates meeting the ACT STEM College Readiness Benchmark had an average math score of 28.6. This compares to 28.7 in 2014.
 - ~ 2018 graduates taking three or more years of math had an average math score of 19.8, compared to 15.4 for students taking less than three years of math.

Career Readiness

- In 2018, 1,946 Hawaii graduates (16 percent) were likely to attain the Gold ACT WorkKeys® National Career Readiness Certificate® or higher based upon ACT Composite score, compared to 499,653 (26 percent) nationally.
 - ~ The ACT Composite scores associated with a 50% chance of earning each 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.”

Impact

- Based on the actual test volume and ACT score distributions of 2018 ACT-tested Hawaii 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:
 - ~ 32 more students enrolling in college.
 - ~ 35 more students persisting to year two.
 - ~ 27 fewer students needing remedial English.
 - ~ 40 fewer students needing remedial math.
 - ~ 37 more students persisting to year four.
 - ~ 38 more students earning a postsecondary degree within six years.

Behaviors that Impact Access and Opportunity

- In Hawaii, 1,975 of the 2018 graduates (15.9%) taking the ACT two or more times had an average Composite score of 22.4, compared to an average of 18.3 for 10,485 of the 2018 graduates (84.1%) who took the ACT only once.
 - ~ Nationwide, 847,940 of the 2018 graduates (44.3%) taking the ACT two or more times had an average Composite score of 22.7, compared to an average of 19.3 for 1,066,877 of the 2018 graduates (55.7%) who took the ACT only once.
- 27,534 score reports were sent to colleges by 2018 Hawaii ACT-tested graduates.
 - ~ 7,360 score reports were sent to in-state public colleges by 2018 Hawaii ACT-tested graduates.
 - ~ For Hawaii's 2018 ACT-tested graduates, the top five schools to which scores were sent were University of Hawaii at Manoa, Hawaii Pacific University, University of Nevada-Las Vegas, University of Hawaii at Hilo, and University of Washington.
 - ~ For Hawaii's 2018 ACT-tested graduates, the top three out-of-state schools to which scores were sent were University of Nevada-Las Vegas, University of Washington, and University of Oregon.
- Compared to 68 percent of 2018 graduates nationally, 76 percent of Hawaii 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 1,044 ACT fee waivers to qualified Hawaii students. However, 265 students (25.4 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. This represents a great opportunity for high schools within the state to increase the socioeconomic diversity of its students tested. Note: this is the number of fee waivers issued for the state, not specific to this graduating class.

Pipeline

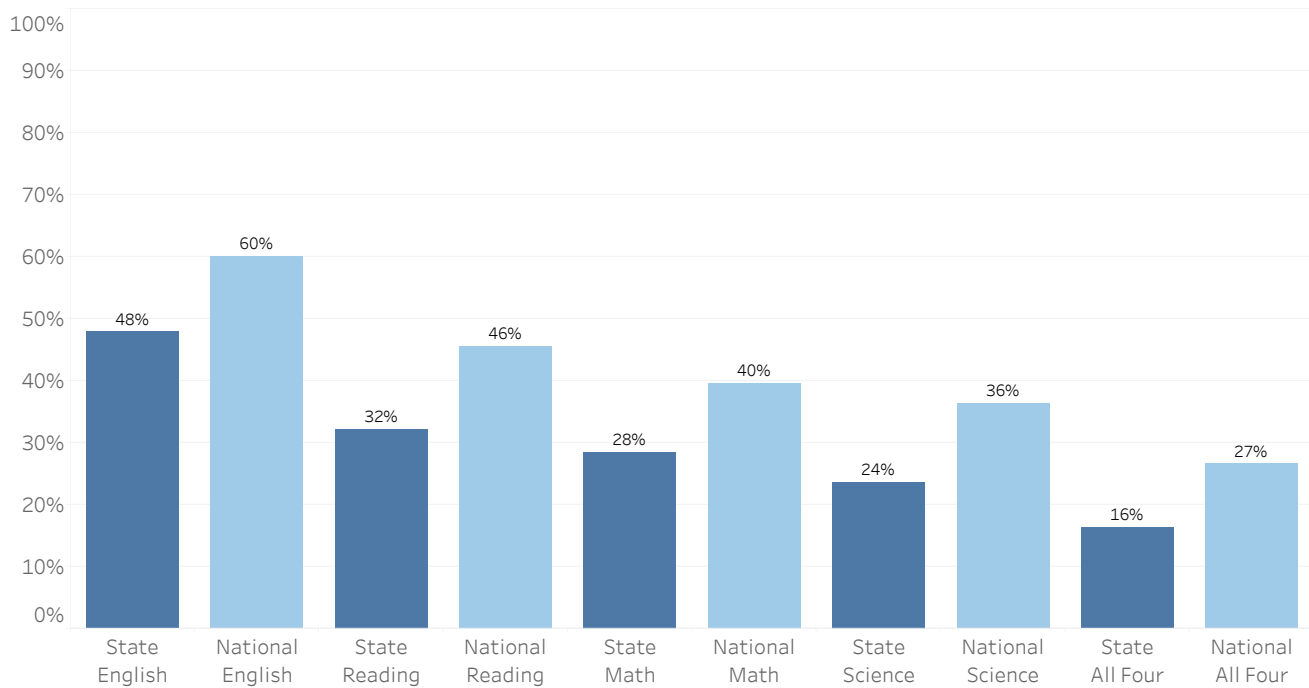
- Aspirations matter. Students who aspire to a higher level of postsecondary education typically achieve higher ACT Composite scores.
 - ~ 3,409 students (27 percent) aspired to attain a graduate or professional degree. They had an average Composite score of 22.0.
 - ~ 4,475 students (36 percent) aspired to attain a bachelor's degree. They had an average Composite score of 18.9.
 - ~ 885 students (7 percent) aspired to attain a vocational/technical or associate's degree. They had an average Composite score of 15.3.
- In order of prevalence, the five most commonly indicated college majors of interest for 2018 Hawaii graduates were: Undecided; Nursing, Registered (BS/RN); Business Administration and Management, General; Medicine (Pre-Medicine); and Biology, General.
 - ~ In the Hawaii graduating class of 2018, 958 students (8 percent) indicated being undecided about their college major. They had an average Composite score of 21.0. Decision making regarding college major can be facilitated through activities included in ACT Aspire and PreACT testing experiences. In addition, the Student Score Report is a valuable tool for conversations using the College and Career Planning and Interest-Major Fit sections.
 - ~ In the Hawaii graduating class of 2018, 300 (2 percent) indicated planning on majoring in education. They had an average Composite score of 19.0.
- There is good news in that 70% of Hawaii's 2018 ACT-tested graduates aspired to postsecondary education. Interestingly enough, 78% of Hawaii's 2017 ACT-tested graduating class aspired to enroll in postsecondary education, compared to 60% who actually did enroll. If we fully closed the aspirational gap, an additional 2,215 of the 2017 ACT-tested graduates from Hawaii would have enrolled in postsecondary education.

Additional Points

- The Hawaii ACT State Organization continues to grow in membership and in diversity, with more than 112 members from across the state. The membership includes educators from state agencies, K-12, access, and postsecondary institutions, as well as members involved in workforce development.

HAWAII 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

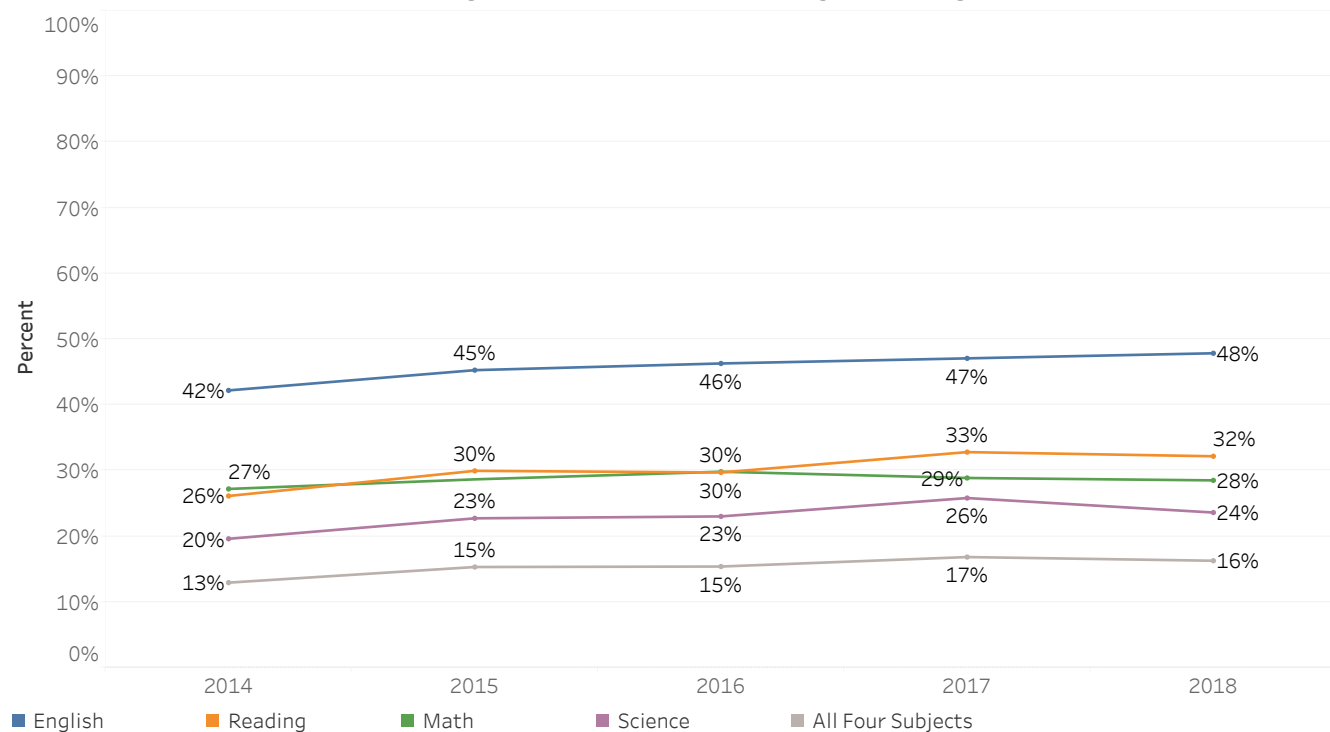
State English	National English	State Reading	National Reading	State Math	National Math	State Science	National Science	State All Four	National All Four
48%	60%	32%	46%	28%	40%	24%	36%	16%	27%

* 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.

HAWAII 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

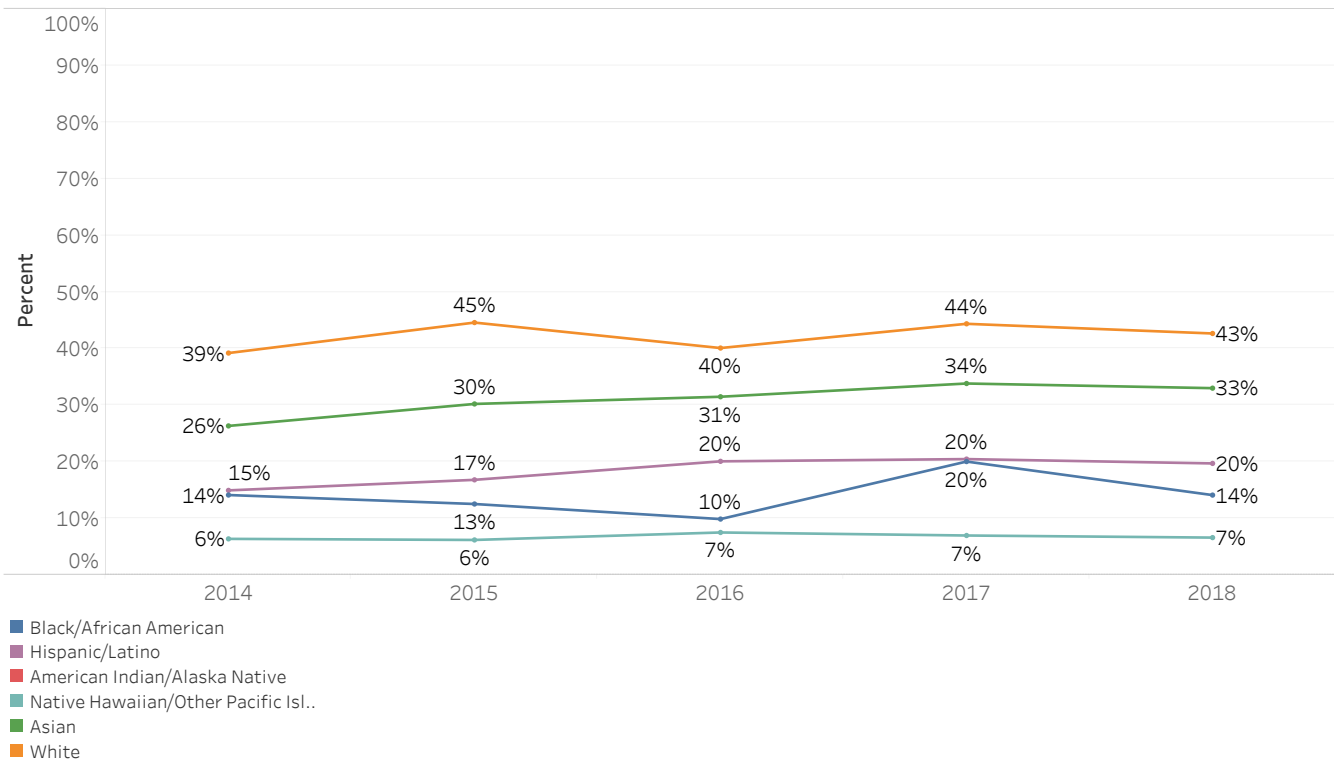
	English	Reading	Math	Science	All Four Subjects
2014	42%	26%	27%	20%	13%
2015	45%	30%	29%	23%	15%
2016	46%	30%	30%	23%	15%
2017	47%	33%	29%	26%	17%
2018	48%	32%	28%	24%	16%

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HAWAII 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



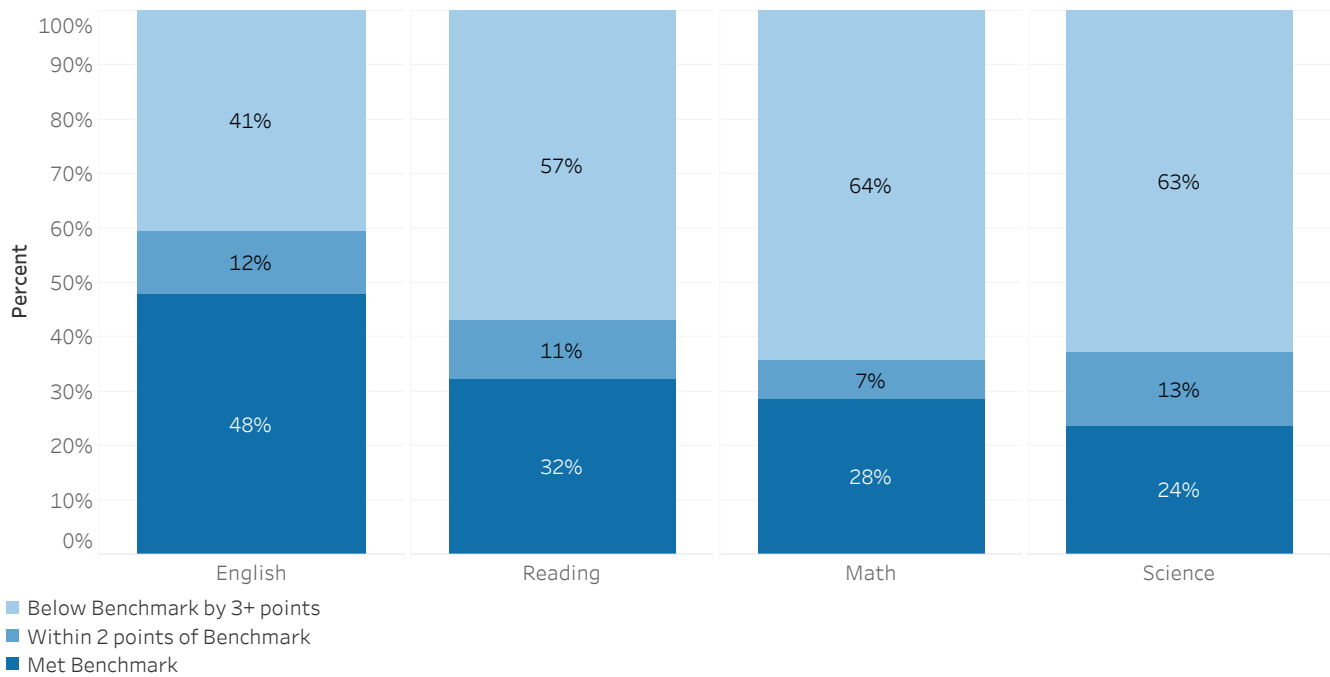
Data From Graph Above

	Black/African American	Hispanic/Latino	American Indian/Alaska Native	Native Hawaiian/Other Pacific Islander	Asian	White
2014	14%	15%		6%	26%	39%
2015	13%	17%		6%	30%	45%
2016	10%	20%		7%	31%	40%
2017	20%	20%		7%	34%	44%
2018	14%	20%		7%	33%	43%

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HAWAII College and Career Readiness Attainment, Participation, and Opportunity

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



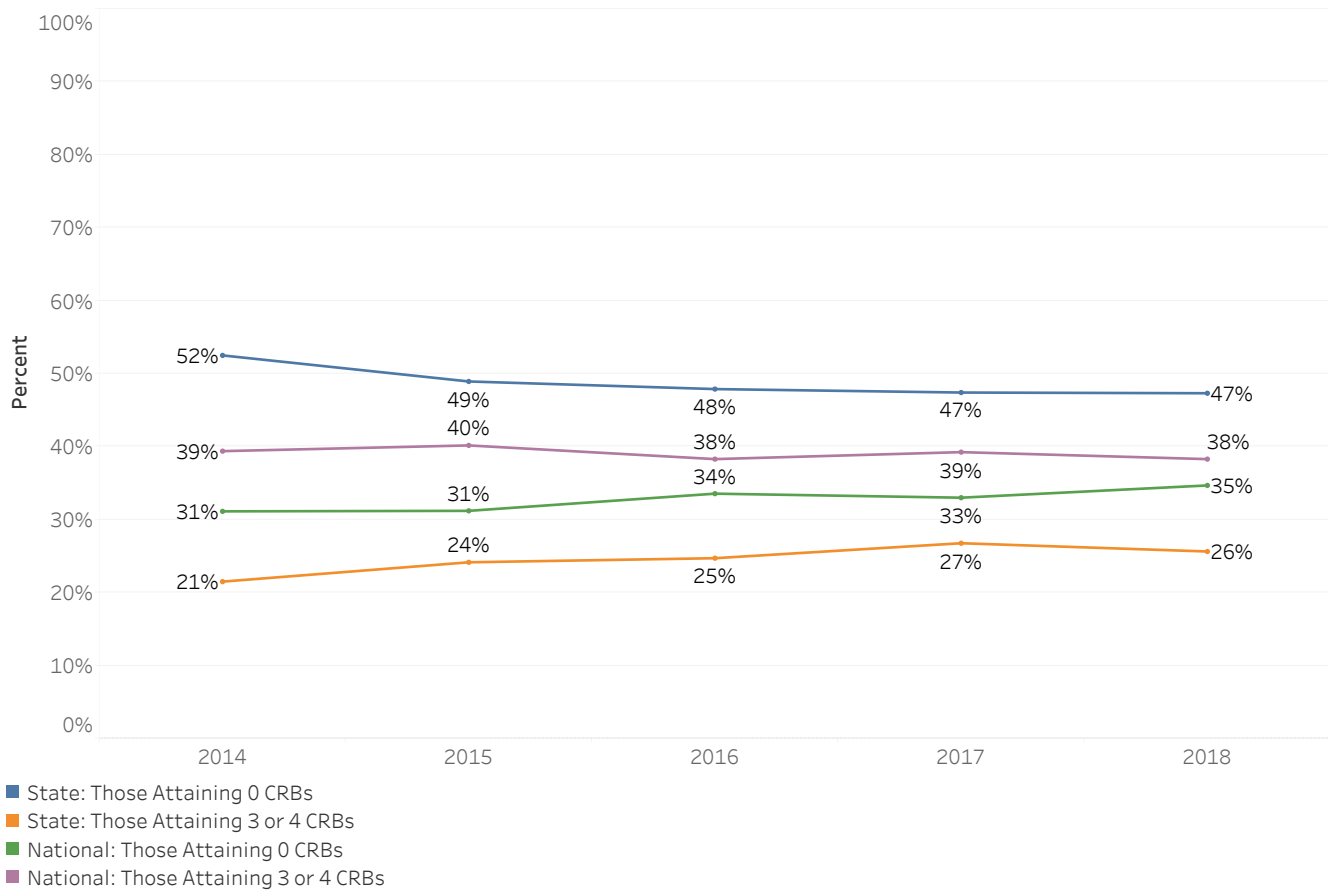
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	Below Benchmark by 3+ points	Within 2 points of Benchmark	Met Benchmark
English	41%	12%	48%
Math	64%	7%	28%
Reading	57%	11%	32%
Science	63%	13%	24%

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HAWAII College and Career Readiness Attainment, Participation, and Opportunity

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



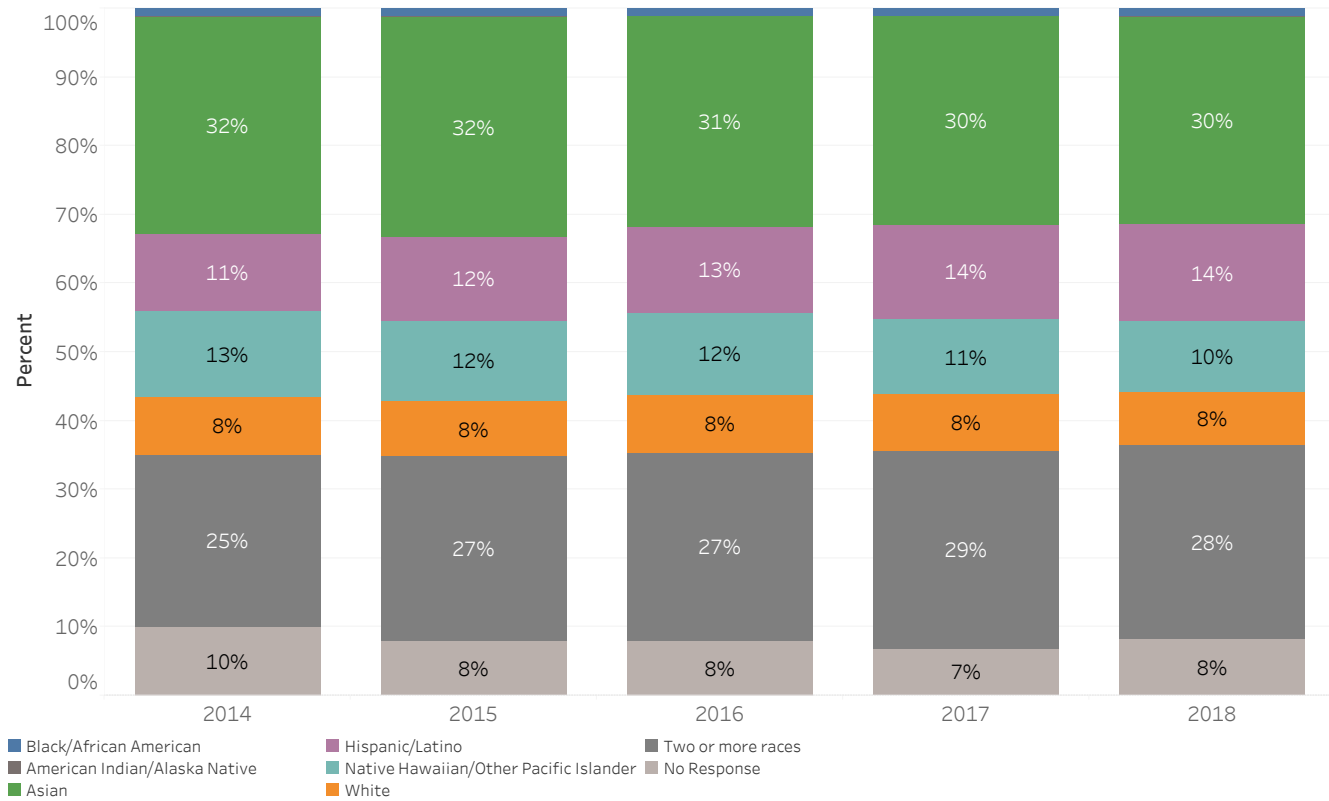
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	State: Those Attaining 0 CRBs	State: Those Attaining 3 or 4 CRBs	National: Those Attaining 0 CRBs	National: Those Attaining 3 or 4 CRBs
2014	52%	21%	31%	39%
2015	49%	24%	31%	40%
2016	48%	25%	34%	38%
2017	47%	27%	33%	39%
2018	47%	26%	35%	38%

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HAWAII 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%	0%	32%	11%	13%	8%	25%	10%
2015	1%	0%	32%	12%	12%	8%	27%	8%
2016	1%	0%	31%	13%	12%	8%	27%	8%
2017	1%	0%	30%	14%	11%	8%	29%	7%
2018	1%	0%	30%	14%	10%	8%	28%	8%

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HAWAII College and Career Readiness Attainment, Participation, and Opportunity

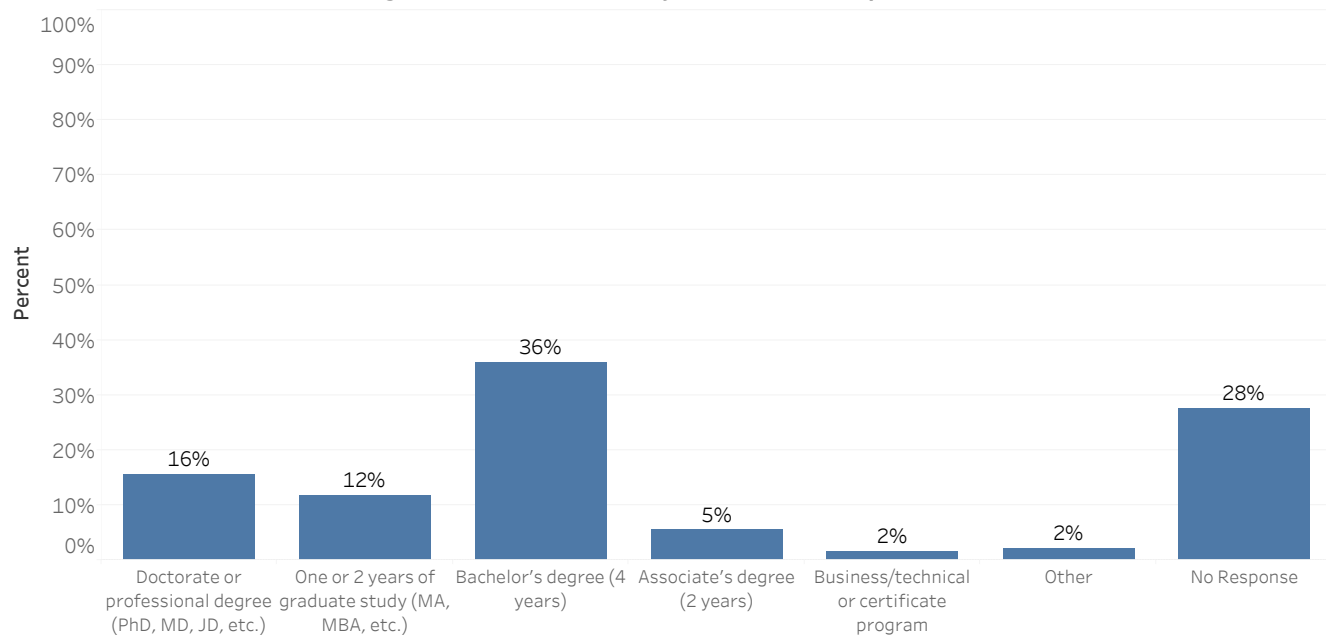
Student Data Trends: 2014-2018, State vs. Nation

	2014	2015	2016	2017	2018
State N-count	11,797	11,957	12,232	12,015	12,460
National N-count	1,845,787	1,924,436	2,090,342	2,030,038	1,914,817
Average ACT English Score - State	16.9	17.2	17.6	17.8	18.2
Average ACT English Score - National	20.3	20.4	20.1	20.3	20.2
Average ACT Reading Score - State	18.3	18.6	19.0	19.2	19.1
Average ACT Reading Score - National	21.3	21.4	21.3	21.4	21.3
Average ACT Math Score - State	19.0	19.1	19.1	19.2	19.0
Average ACT Math Score - National	20.9	20.8	20.6	20.7	20.5
Average ACT Science Score - State	18.1	18.4	18.6	19.3	19.0
Average ACT Science Score - National	20.8	20.9	20.8	21.0	20.7
Average ACT Composite Score - State	18.2	18.5	18.7	19.0	18.9
Average ACT Composite Score - National	21.0	21.0	20.8	21.0	20.8

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HAWAII 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.)	12%
Bachelor's degree (4 years)	36%
Associate's degree (2 years)	5%
Business/technical or certificate program	2%
Other	2%
No Response	28%

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