

# The Condition of College & Career Readiness 2018

## Ohio Key Findings

### Performance

- The data within this report reflect the impact of the state-funded initiative where a majority of Ohio 11th-grade students tested with the ACT during spring 2017. As a result, nearly 35,000 additional Ohio students were provided access and opportunity to college and career readiness through the ACT, representing a 37.5% increase.
- In the 2018 Ohio graduating class, 127,392 graduates (an estimated 100 percent) took the ACT test with a Composite score average of 20.3. This compares to 92,674 in 2017 (75%) with an average Composite score of 22.0 and 91,089 (72 percent) with an average of 22.0 in 2014. Nationally, 55% of 2018 graduates took the ACT with an average Composite score of 20.8.
  - ~ There were 13,787 African American graduates from Ohio who took the ACT (11 percent) with an average Composite score of 16.6. This compares to 10,689 (12 percent) with an average of 17.5, and 10,296 (11 percent) with an average of 17.4, for the 2017 and 2014 graduating classes, respectively.
  - ~ There were 85,715 White graduates from Ohio who took the ACT (67 percent) with an average Composite score of 21.2. This compares to 65,796 (71 percent) with an average of 22.8, and 66,313 (73 percent) with an average of 22.8, for the 2017 and 2014 graduating classes, respectively.
  - ~ There were 6,332 Hispanic graduates from Ohio who took the ACT (5 percent) with an average Composite score of 18.8. This compares to 4,086 (4 percent) with an average of 20.2, and 3,562 (4 percent) with an average of 20.4, for the 2017 and 2014 graduating classes, respectively.
  - ~ There were 2,904 Asian graduates from Ohio who took the ACT (2 percent) with an average Composite score of 23.7. This compares to 2,331 (3 percent) with an average of 24.3, and 1,953 (2 percent) with an average of 24.5, for the 2017 and 2014 graduating classes, respectively.
- In 2018, 11 percent of Ohio graduates took the ACT with extended time. This compares to 5 and 4 percent of 2017 and 2014 graduates, respectively.
- There was a notable increase of 2018 Ohio graduates who scored at the 90th percentile or higher, as compared to 2017 graduates (31.34%).

## STEM

- The US Bureau of Labor Statistics predicts that occupations related to STEM will add about 1 million new jobs between now and 2022. Efforts that encourage students to pursue STEM careers are key.
- In 2018, 54,546 Ohio graduates (43 percent) indicated having an interest in STEM majors and/or careers.
  - ~ Nationally, 45 percent of graduates indicated having an interest in STEM.
- Physics is an important preparation for STEM. In 2018, 51,757 Ohio graduates (41 percent) indicated taking Physics.
- 2018 graduates taking physics had an average science score of 22.7, compared to 18.8 for students not taking physics.
  - ~ 52 percent of 2018 Ohio graduates taking physics met the ACT Science College Readiness Benchmark, compared to 22 for students not taking physics.

## Impact

- Based on the actual test volume and ACT score distributions of 2018 ACT-tested Ohio 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:
  - ~ 312 more students enrolling in college.
  - ~ 348 more students persisting to year two.
  - ~ 259 fewer students needing remedial English.
  - ~ 411 fewer students needing remedial math.
  - ~ 372 more students persisting to year four.
  - ~ 393 more students earning a postsecondary degree within six years.

## Behaviors that Impact Access and Opportunity

- In Ohio, 65,085 of the 2018 graduates (51.1%) taking the ACT two or more times had an average Composite score of 22.9, compared to an average of 17.6 for 62,307 of the 2018 graduates (48.9%) who took the ACT only once.
- Impact of retesting (students who first tested junior year and then retested):
  - ~ White students—5.1 points higher than single-test takers (junior year only)
  - ~ Hispanic students—4.4 points higher than single-test takers (junior year only)
  - ~ African American students—2.8 points higher than single-test takers (junior year only)
- Compared to 68 percent of 2018 graduates nationally, 70 percent of Ohio 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 19,504 ACT fee waivers to qualified Ohio students. However, 6,137 students (31.5 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.

- Colleges and universities received a significant increase of Ohio student ACT score reports after statewide testing was implemented, increasing to 295,648 in 2018 as compared to 197,259 in 2017 (increase of 98,389 or 50.4% ).
  - ~ For Ohio's 2018 ACT-tested graduates, the top five schools to which scores were sent were The Ohio State University, University of Cincinnati, Kent State University, Ohio University, and Bowling Green State University.
  - ~ For Ohio's 2018 ACT-tested graduates, the top three out-of-state schools to which scores were sent were University of Kentucky, Northern Kentucky University, and University of Michigan-Ann Arbor.

## Pipeline

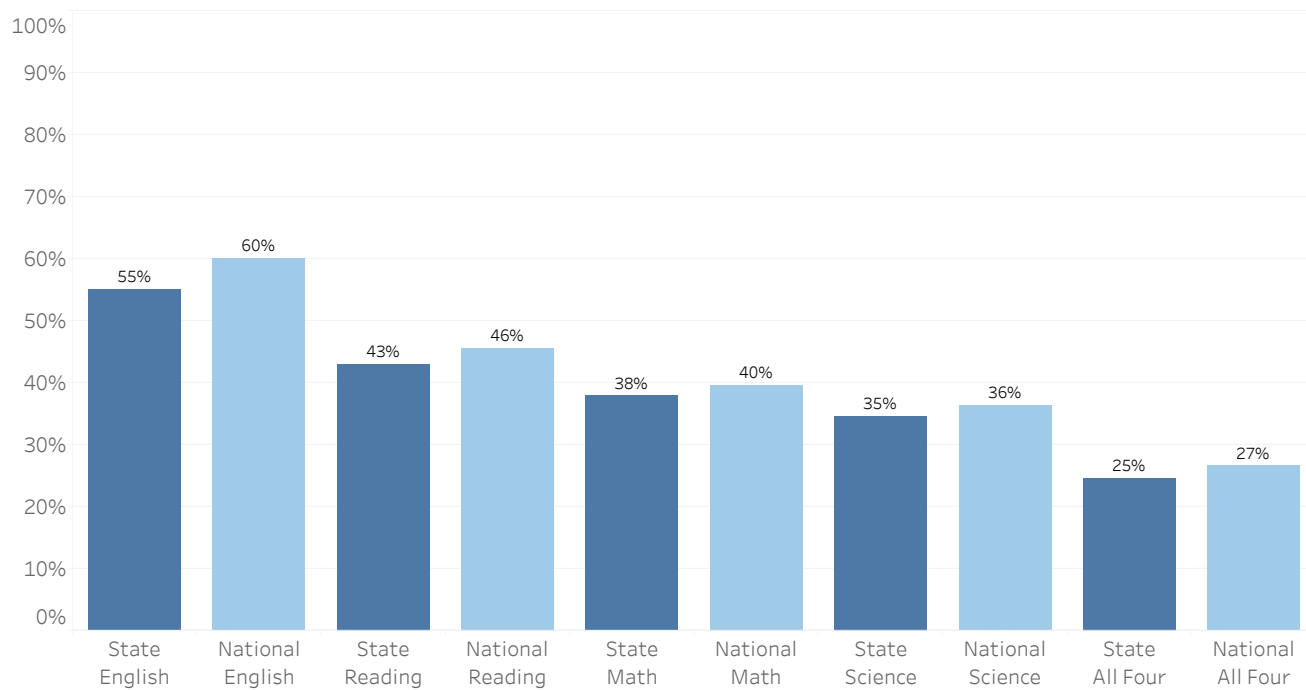
- Aspirations matter. Students who aspire to a higher level of postsecondary education typically achieve higher ACT Composite scores.
  - ~ 33,631 students (26 percent) aspired to attain a graduate or professional degree. They had an average Composite score of 23.8.
  - ~ 51,530 students (40 percent) aspired to attain a bachelor's degree. They had an average Composite score of 20.5.
  - ~ 10,219 students (8 percent) aspired to attain a vocational/technical or associate's degree. They had an average Composite score of 16.3.
- In the Ohio graduating class of 2018, 21,161 students (17 percent) had parents who did not attend college.
- In order of prevalence, the five most commonly indicated college majors of interest for 2018 Ohio graduates were: Undecided; Nursing, Registered (BS/RN); Medicine (Pre-Medicine); Business Administration and Management, General; and Mechanical Engineering.
  - ~ In the Ohio graduating class of 2018, 14,044 students (11 percent) indicated being undecided about their college major. They had an average Composite score of 21.4. 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.
- There is good news in that 75% of Ohio's 2018 ACT-tested graduates aspired to postsecondary education. Interestingly enough, 90% of Ohio's 2017 ACT-tested graduating class aspired to enroll in postsecondary education, compared to 74% who actually did enroll. If we fully closed the aspirational gap, an additional 14,645 of the 2017 ACT-tested graduates from Ohio would have enrolled in postsecondary education.

## Additional Points

- The Ohio ACT State Organization continues to grow in membership and in diversity, with more than 600 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. Each year, ACT hosts a state conference that brings together professionals representing each of these areas, providing a unique and diverse professional development opportunity.
- There were nine ACT College and Career Readiness Workshops held across the state during fall 2017, in addition to 15 data interpretation workshops for secondary school administrators.

# OHIO 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

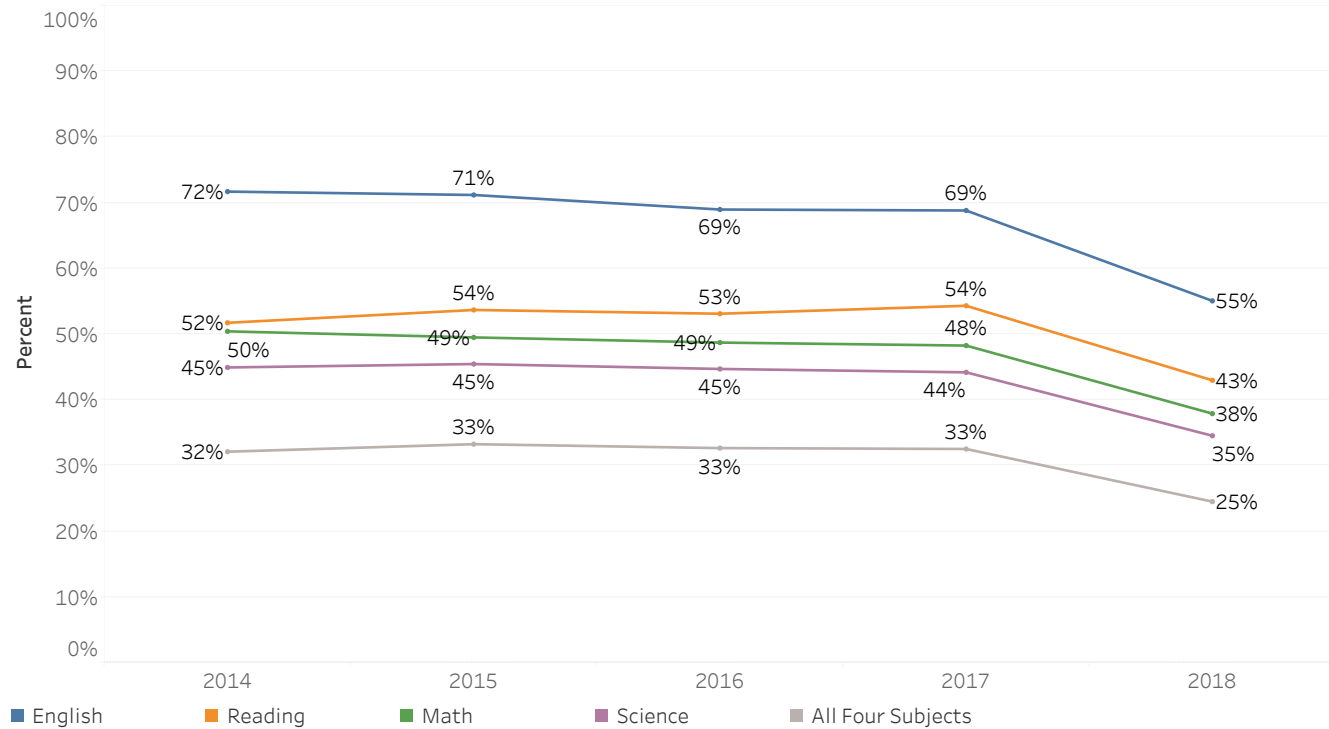
State English	National English	State Reading	National Reading	State Math	National Math	State Science	National Science	State All Four	National All Four
55%	60%	43%	46%	38%	40%	35%	36%	25%	27%

\* 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.

# OHIO 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

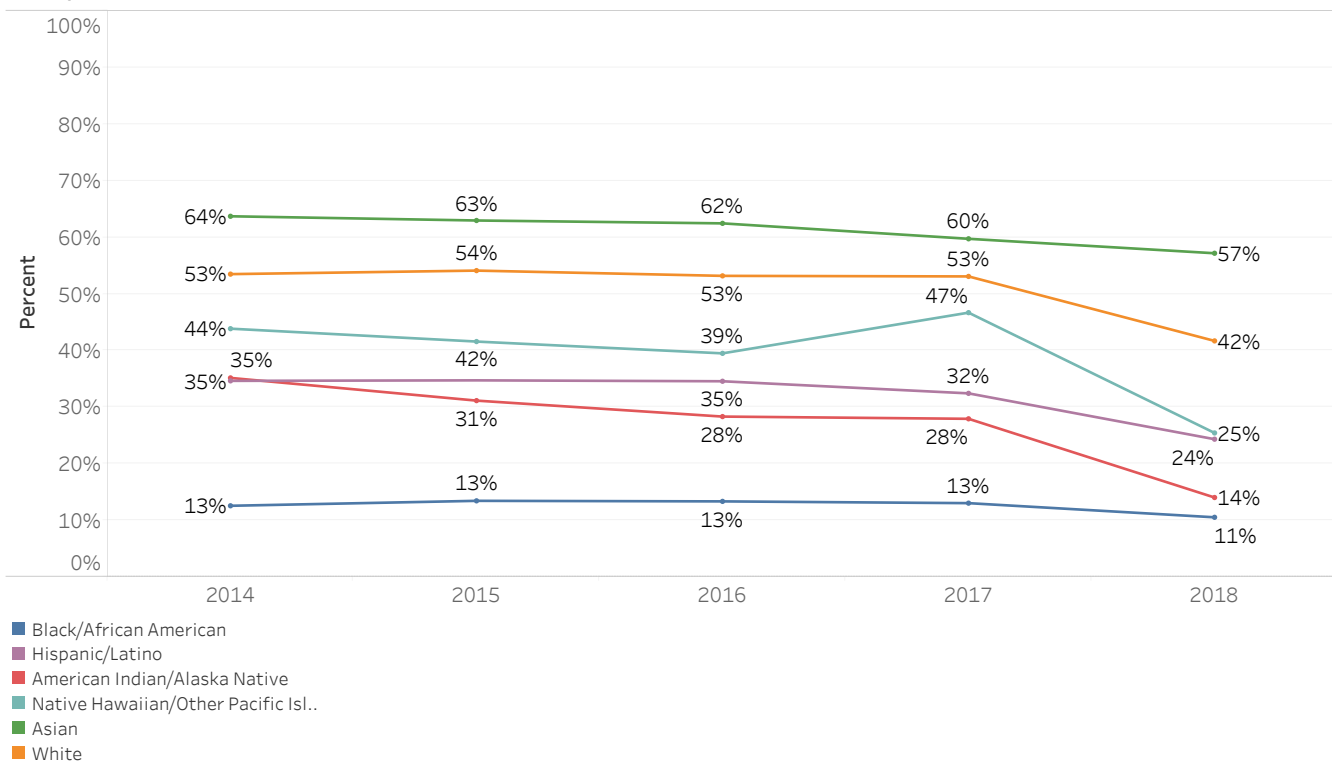
	English	Reading	Math	Science	All Four Subjects
2014	72%	52%	50%	45%	32%
2015	71%	54%	49%	45%	33%
2016	69%	53%	49%	45%	33%
2017	69%	54%	48%	44%	33%
2018	55%	43%	38%	35%	25%

\* 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.

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# OHIO 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



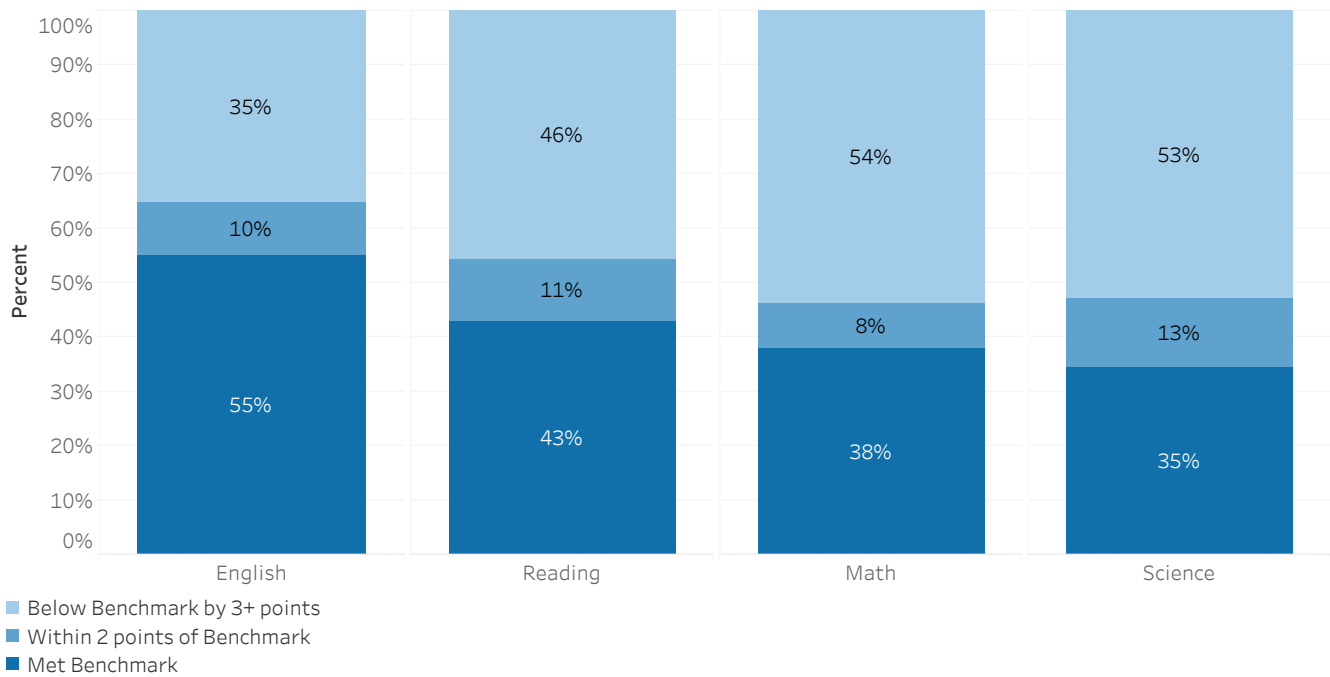
## Data From Graph Above

	Black/African American	Hispanic/Latino	American Indian/Alaska Native	Native Hawaiian/Other Pacific Islander	Asian	White
2014	13%	35%	35%	44%	64%	53%
2015	13%	35%	31%	42%	63%	54%
2016	13%	35%	28%	39%	62%	53%
2017	13%	32%	28%	47%	60%	53%
2018	11%	24%	14%	25%	57%	42%

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# OHIO College and Career Readiness Attainment, Participation, and Opportunity

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



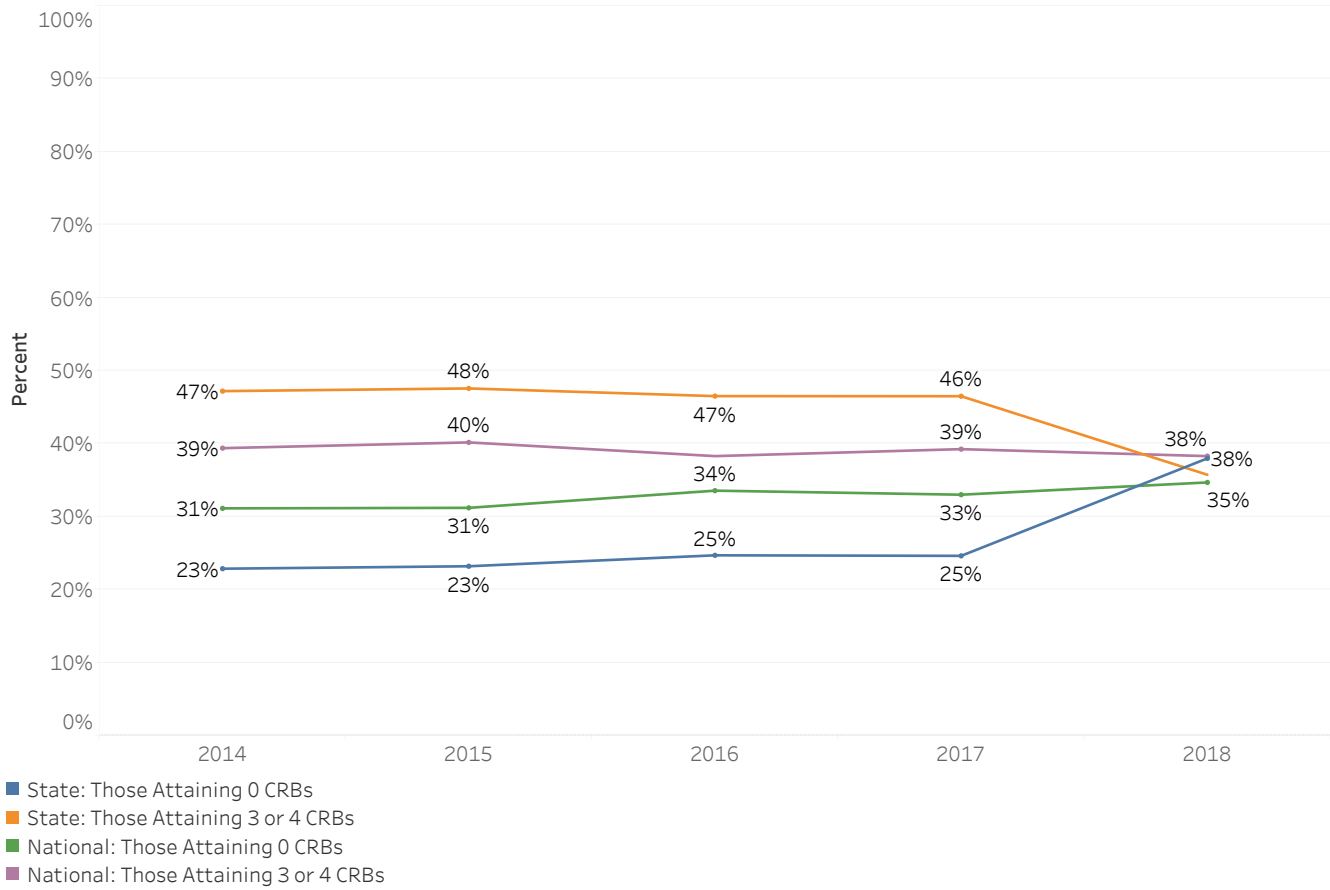
## Data From Graph Above

	Below Benchmark by 3+ points	Within 2 points of Benchmark	Met Benchmark
English	35%	10%	55%
<b>Math</b>	54%	8%	38%
Reading	46%	11%	43%
Science	53%	13%	35%

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# OHIO 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

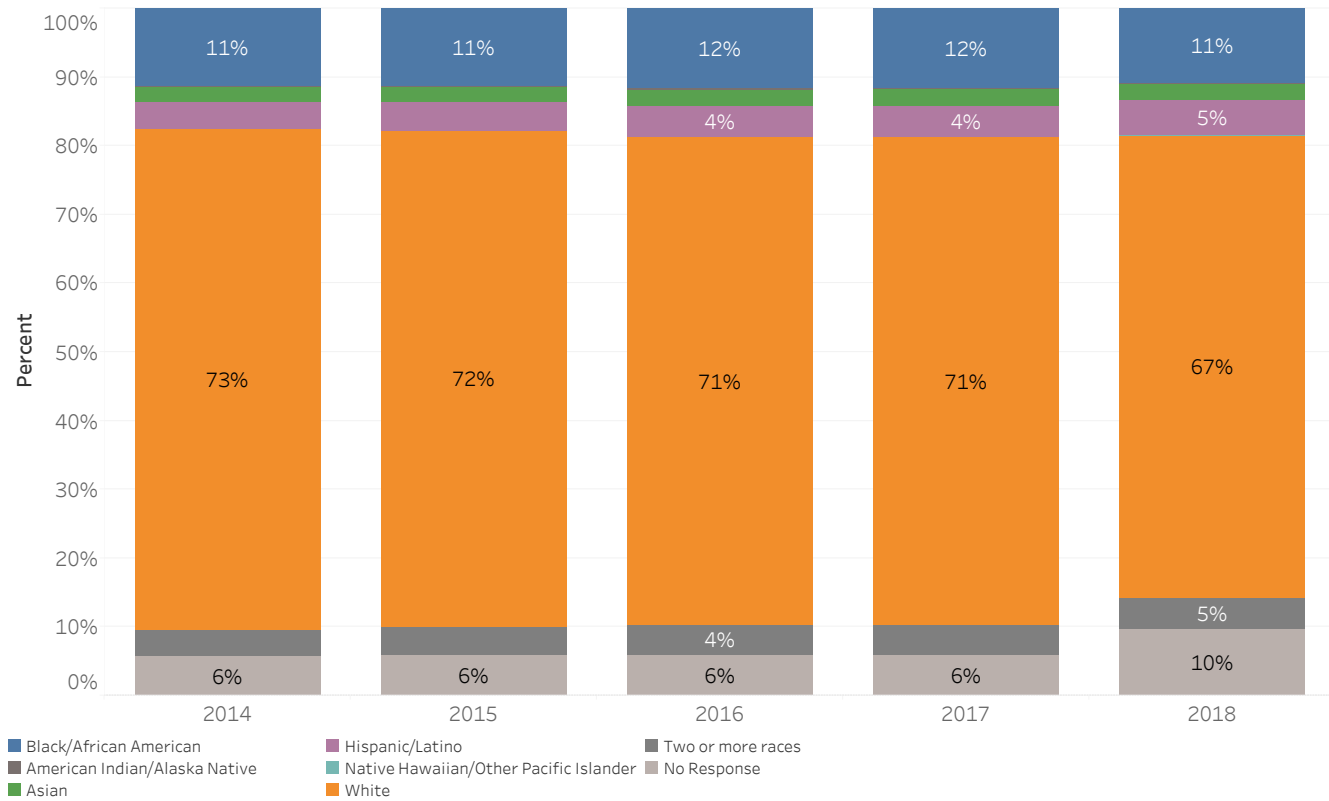
	State: Those Attaining 0 CRBs	State: Those Attaining 3 or 4 CRBs	National: Those Attaining 0 CRBs	National: Those Attaining 3 or 4 CRBs
2014	23%	47%	31%	39%
2015	23%	48%	31%	40%
2016	25%	47%	34%	38%
2017	25%	46%	33%	39%
2018	38%	36%	35%	38%

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# OHIO 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	11%	0%	2%	4%	0%	73%	4%	6%
2015	11%	0%	2%	4%	0%	72%	4%	6%
2016	12%	0%	2%	4%	0%	71%	4%	6%
2017	12%	0%	3%	4%	0%	71%	4%	6%
2018	11%	0%	2%	5%	0%	67%	5%	10%

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# OHIO College and Career Readiness Attainment, Participation, and Opportunity

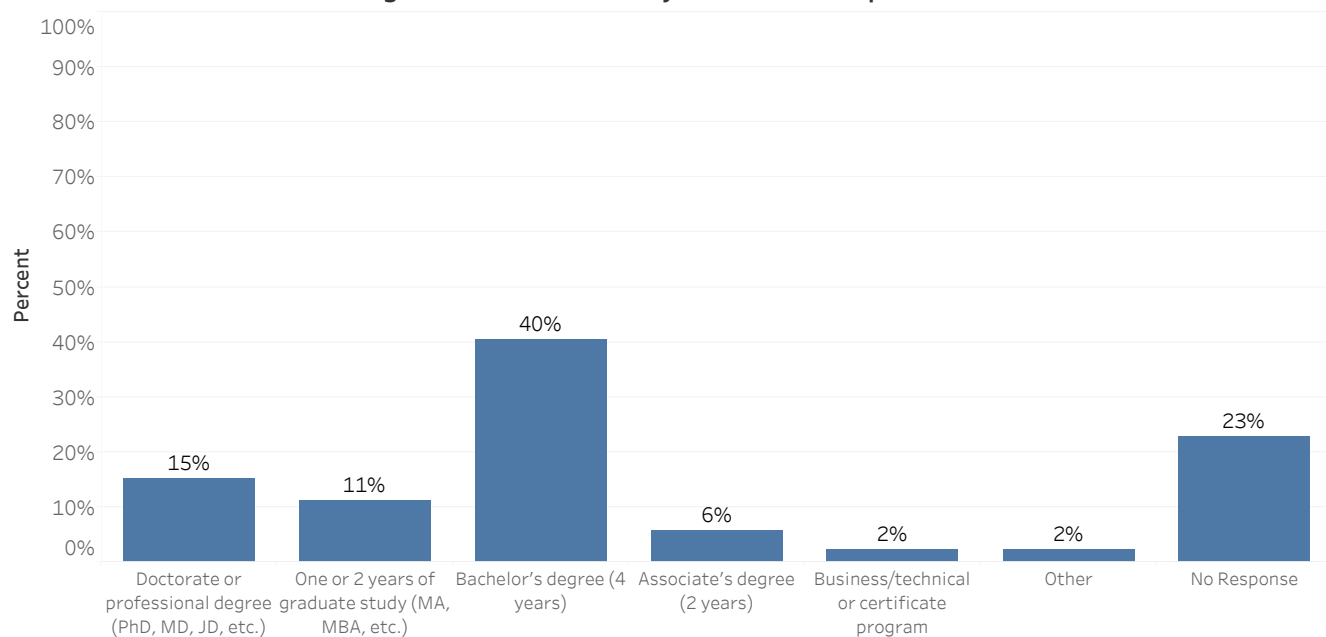
## Student Data Trends: 2014-2018, State vs. Nation

	2014	2015	2016	2017	2018
State N-count	91,089	91,607	93,659	92,674	127,392
National N-count	1,845,787	1,924,436	2,090,342	2,030,038	1,914,817
Average ACT English Score - State	21.4	21.4	21.2	21.2	19.3
Average ACT English Score - National	20.3	20.4	20.1	20.3	20.2
Average ACT Reading Score - State	22.4	22.5	22.5	22.5	20.8
Average ACT Reading Score - National	21.3	21.4	21.3	21.4	21.3
Average ACT Math Score - State	21.7	21.7	21.6	21.6	20.3
Average ACT Math Score - National	20.9	20.8	20.6	20.7	20.5
Average ACT Science Score - State	22.0	22.1	22.0	22.0	20.4
Average ACT Science Score - National	20.8	20.9	20.8	21.0	20.7
Average ACT Composite Score - State	22.0	22.0	22.0	22.0	20.3
Average ACT Composite Score - National	21.0	21.0	20.8	21.0	20.8

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# OHIO 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.)	15%
One or 2 years of graduate study (MA, MBA, etc.)	11%
Bachelor's degree (4 years)	40%
Associate's degree (2 years)	6%
Business/technical or certificate program	2%
Other	2%
No Response	23%

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