

The Condition of College & Career Readiness 2018

Indiana Key Findings

Performance

- In the 2018 Indiana graduating class, 23,580 graduates (32 percent) took the ACT test with a Composite score average of 22.5. This compares to 27,226 (40 percent) with an average of 21.9 in 2014. Nationally, 55% of 2018 graduates took the ACT with an average Composite score of 20.8.
 - ~ There were 2,152 African American graduates from Indiana who took the ACT (9 percent) with an average Composite score of 17.6. This compares to 2,300 (9 percent) with an average of 17.9, and 2,720 (10 percent) with an average of 17.2, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 16,557 White graduates from Indiana who took the ACT (70 percent) with an average Composite score of 23.4. This compares to 17,531 (70 percent) with an average of 23.3, and 19,531 (72 percent) with an average of 22.8, for the 2017 and 2014 graduating classes, respectively.
 - ~ There were 1,793 Hispanic graduates from Indiana who took the ACT (8 percent) with an average Composite score of 20.2. This compares to 1,800 (7 percent) with an average of 20.5, and 2,032 (7 percent) with an average of 19.1, for the 2017 and 2014 graduating classes, respectively.
- In 2018, 36 percent of Indiana graduates met all four ACT College Readiness Benchmarks. This compares to 37 and 32 percent of 2017 and 2014 graduates, respectively.
- In 2018, 12,010 (51 percent) of Indiana graduates met three or four ACT College Readiness Benchmarks. This compares to 12,752 and 12,794 (51 and 47 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, 73 percent of Indiana graduates met the ACT English College Readiness Benchmark. This compares to 74 and 70 percent of 2017 and 2014 graduates, respectively.
 - 2018 Indiana graduates taking more advanced English coursework demonstrated markedly higher average English scores than those who did not. In fact, 75 percent of Indiana 2018 graduates taking four or more years of English met the ACT English College Readiness Benchmark. This compares to 60 percent of students taking less than four years of English meeting the benchmark.
 - ~ In 2018, 53 percent of Indiana graduates met the ACT Math College Readiness Benchmark. This compares to 55 and 52 percent of 2017 and 2014 graduates, respectively.
 - 2018 Indiana graduates taking more advanced math coursework demonstrated markedly higher average math scores than those who did not. In fact, 55 percent of Indiana 2018 graduates taking three or more years of math met the ACT Math College Readiness Benchmark. This compares to 11 percent of students taking less than three years of math meeting the benchmark.
 - ~ In 2018, 47 percent of Indiana graduates met the ACT Science College Readiness Benchmark. This compares to 47 and 42 percent of 2017 and 2014 graduates, respectively.
- In 2018, students taking core courses earned an average Composite score of 22.0, compared to 17.8 for students who took less than core.

STEM

- In 2018, 12,490 Indiana graduates (53 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 Indiana graduating class average ACT STEM score of 22.5, graduates in 2017 and 2014 had STEM averages of 22.6 and 22.0, respectively.
- Compared to 28 percent of 2018 Indiana graduates meeting the ACT STEM College Readiness Benchmark, graduates in 2017 and 2014 had STEM Benchmark percentages of 28 and 25, respectively.
- 2018 Indiana graduates meeting the ACT STEM College Readiness Benchmark had an average science score of 28.6. This compares to 28.1 in 2014.
 - ~ 54 percent of 2018 Indiana graduates taking physics met the ACT Science College Readiness Benchmark, compared to 40 for students not taking physics.
- 2018 Indiana graduates meeting the ACT STEM College Readiness Benchmark had an average math score of 28.7. This compares to 28.8 in 2014.
 - ~ 2018 graduates taking three or more years of math had an average math score of 22.5, compared to 17.0 for students taking less than three years of math.
 - ~ 55 percent of 2018 graduates taking three or more years of math met the ACT Math College Readiness Benchmark, compared to 11 percent for students taking less than three years of math.

Career Readiness

- In 2018, 8,233 Indiana graduates (35 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 Indiana 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:
 - ~ 52 more students enrolling in college.
 - ~ 60 more students persisting to year two.
 - ~ 41 fewer students needing remedial English.
 - ~ 68 fewer students needing remedial math.
 - ~ 68 more students persisting to year four.
 - ~ 74 more students earning a postsecondary degree within six years.

Behaviors that Impact Access and Opportunity

- In Indiana, 8,119 of the 2018 graduates (34.4%) taking the ACT two or more times had an average Composite score of 24.2, compared to an average of 21.6 for 15,461 of the 2018 graduates (65.6%) 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.
- 50,216 score reports were sent to colleges by 2018 Indiana ACT-tested graduates.
 - ~ 25,859 score reports were sent to in-state public colleges by 2018 Indiana ACT-tested graduates.
 - ~ For Indiana's 2018 ACT-tested graduates, the top five schools to which scores were sent were Indiana University Bloomington, Purdue University, Ball State University, Indiana University-Purdue University Indianapolis, and Butler University.
 - ~ For Indiana's 2018 ACT-tested graduates, the top three out-of-state schools to which scores were sent were University of Louisville, University of Cincinnati, and University of Michigan-Ann Arbor.
- Compared to 68 percent of 2018 graduates nationally, 70 percent of Indiana 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 7,443 ACT fee waivers to qualified Indiana students. However, 2,390 students (32.1 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. 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.
 - ~ While African American Indiana students represent 34 percent of fee waivers issued, they account for 38 percent of unused fee waivers. This compares to 31 and 33 nationally.
 - ~ While White Indiana students represent 35 percent of fee waivers issued, they account for 33 percent of unused fee waivers. This compares to 19 and 17 nationally.
 - ~ While Hispanic Indiana students represent 17 percent of fee waivers issued, they account for 16 percent of unused fee waivers. This compares to 35 and 36 nationally.

Pipeline

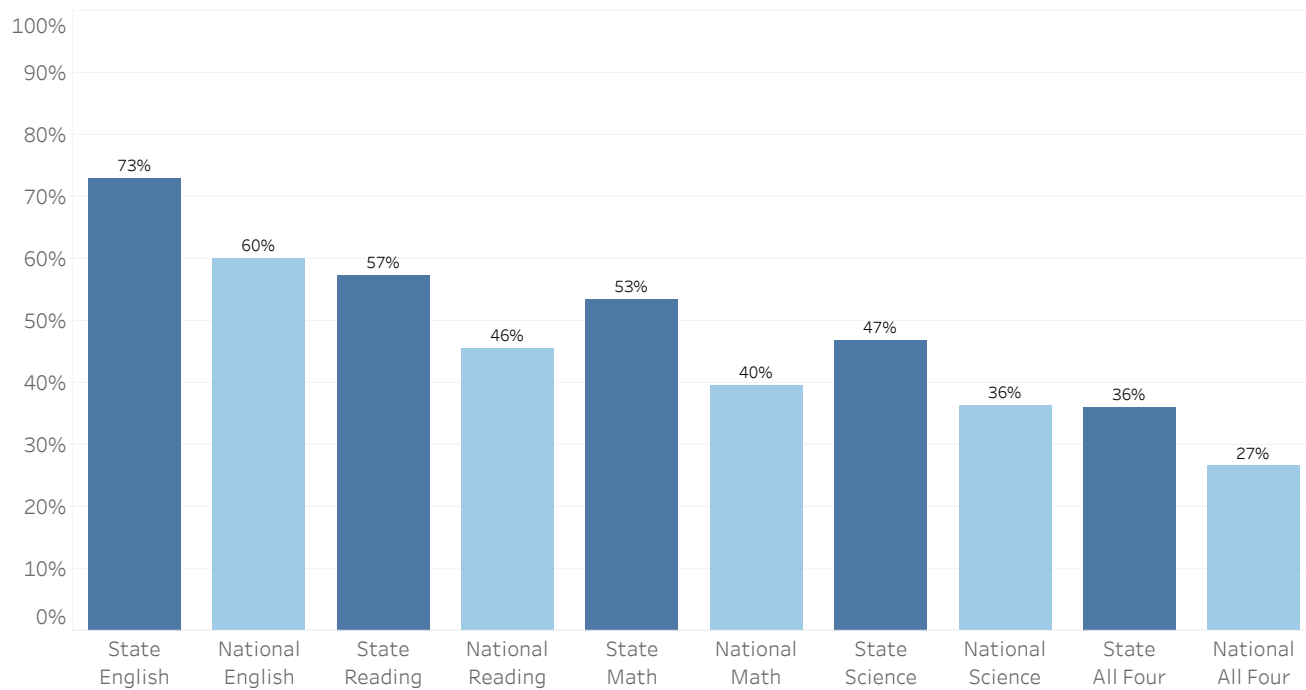
- Aspirations matter. Students who aspire to a higher level of postsecondary education typically achieve higher ACT Composite scores.
 - ~ 9,220 students (39 percent) aspired to attain a graduate or professional degree. They had an average Composite score of 24.9.
 - ~ 11,434 students (48 percent) aspired to attain a bachelor's degree. They had an average Composite score of 21.4.
 - ~ 579 students (2 percent) aspired to attain a vocational/technical or associate's degree. They had an average Composite score of 17.1.
- In the Indiana graduating class of 2018, 2,746 students (12 percent) had parents who did not attend college.
- In order of prevalence, the five most commonly indicated college majors of interest for 2018 Indiana graduates were: Undecided; Nursing, Registered (BS/RN); Medicine (Pre-Medicine); Business Administration and Management, General; and Biology, General.
 - ~ In the Indiana graduating class of 2018, 3,297 students (14 percent) indicated being undecided about their college major. They had an average Composite score of 22.4. 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.
 - ~ In the Indiana graduating class of 2018, 1,171 (5 percent) indicated planning on majoring in education. They had an average Composite score of 20.9.
- There is good news in that 90% of Indiana's 2018 ACT-tested graduates aspired to postsecondary education. Interestingly enough, 89% of Indiana's 2017 ACT-tested graduating class aspired to enroll in postsecondary education, compared to 81% who actually did enroll. If we fully closed the aspirational gap, an additional 1,919 of the 2017 ACT-tested graduates from Indiana would have enrolled in postsecondary education.

Additional Points

- According to the US Department of Labor's Bureau of Labor Statistics, the fastest-growing careers in Indiana requiring a bachelor's degree or higher are Biomedical Engineers, Operations Research Analysts, and Therapists.
- There will be three ACT College and Career Readiness Workshops offered throughout the state in fall 2018 (Evansville, Fort Wayne, and Indianapolis).

INDIANA 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

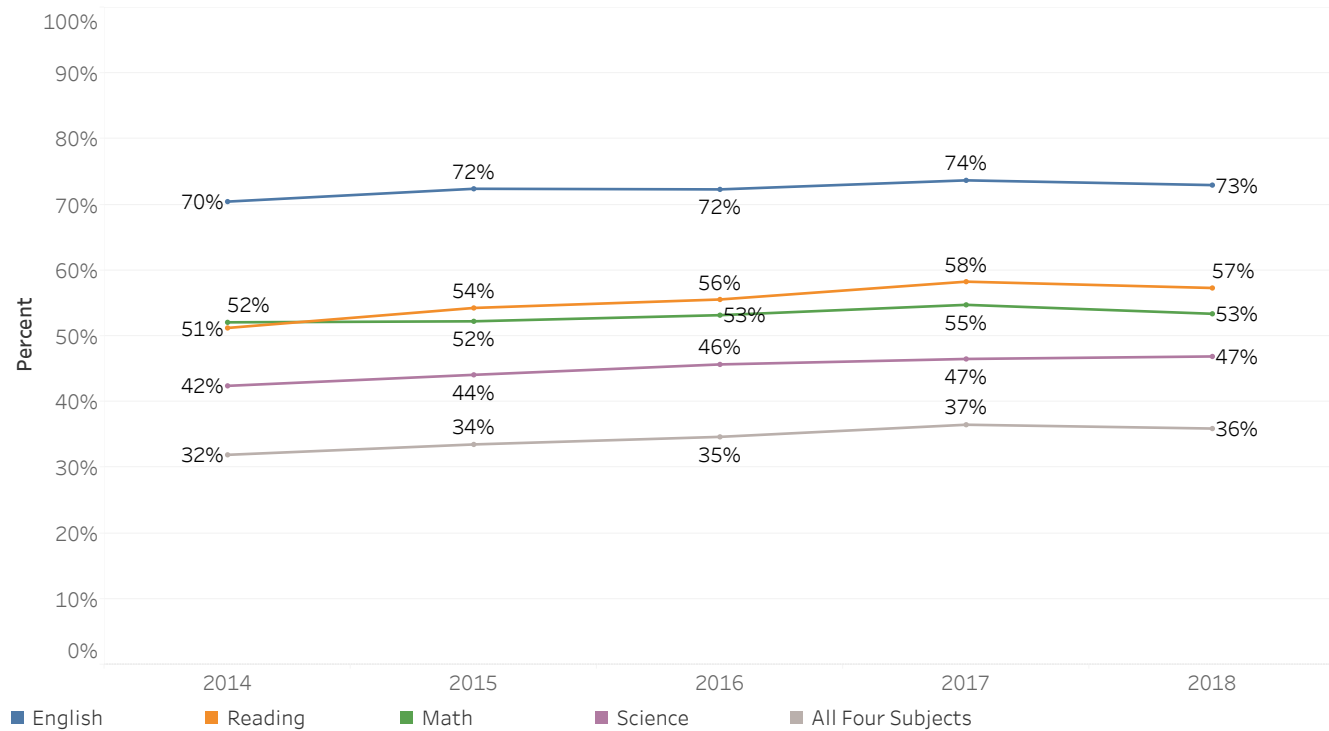
State English	National English	State Reading	National Reading	State Math	National Math	State Science	National Science	State All Four	National All Four
73%	60%	57%	46%	53%	40%	47%	36%	36%	27%

* 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.

INDIANA 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

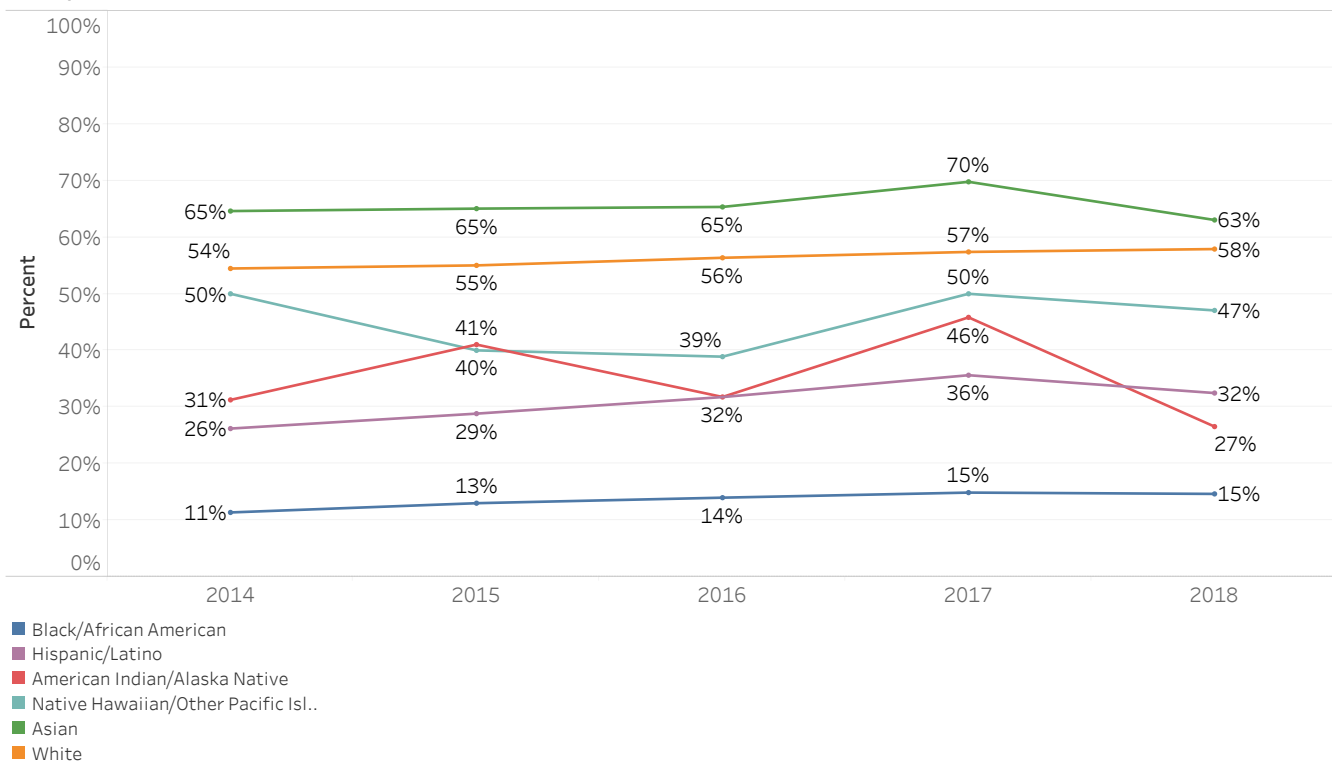
	English	Reading	Math	Science	All Four Subjects
2014	70%	51%	52%	42%	32%
2015	72%	54%	52%	44%	34%
2016	72%	56%	53%	46%	35%
2017	74%	58%	55%	47%	37%
2018	73%	57%	53%	47%	36%

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INDIANA 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



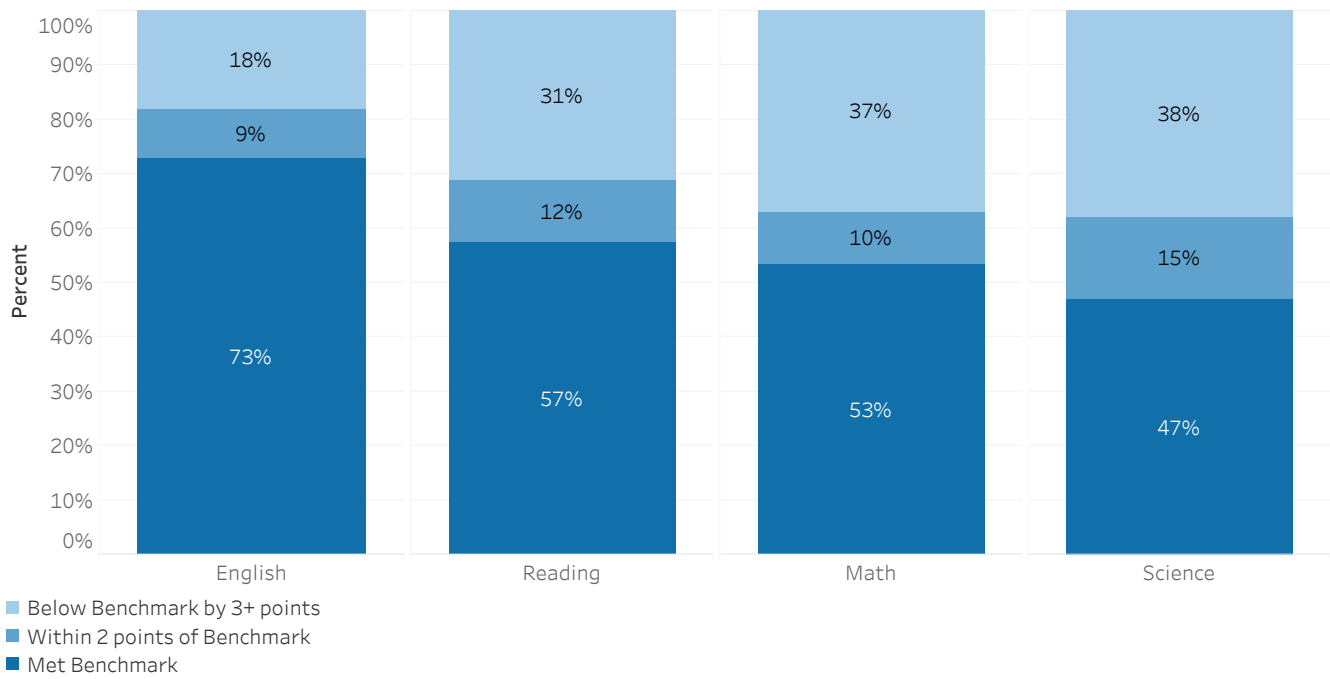
Data From Graph Above

	Black/African American	Hispanic/Latino	American Indian/Alaska Native	Native Hawaiian/Other Pacific Islander	Asian	White
2014	11%	26%	31%	50%	65%	54%
2015	13%	29%	41%	40%	65%	55%
2016	14%	32%	32%	39%	65%	56%
2017	15%	36%	46%	50%	70%	57%
2018	15%	32%	27%	47%	63%	58%

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INDIANA College and Career Readiness Attainment, Participation, and Opportunity

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



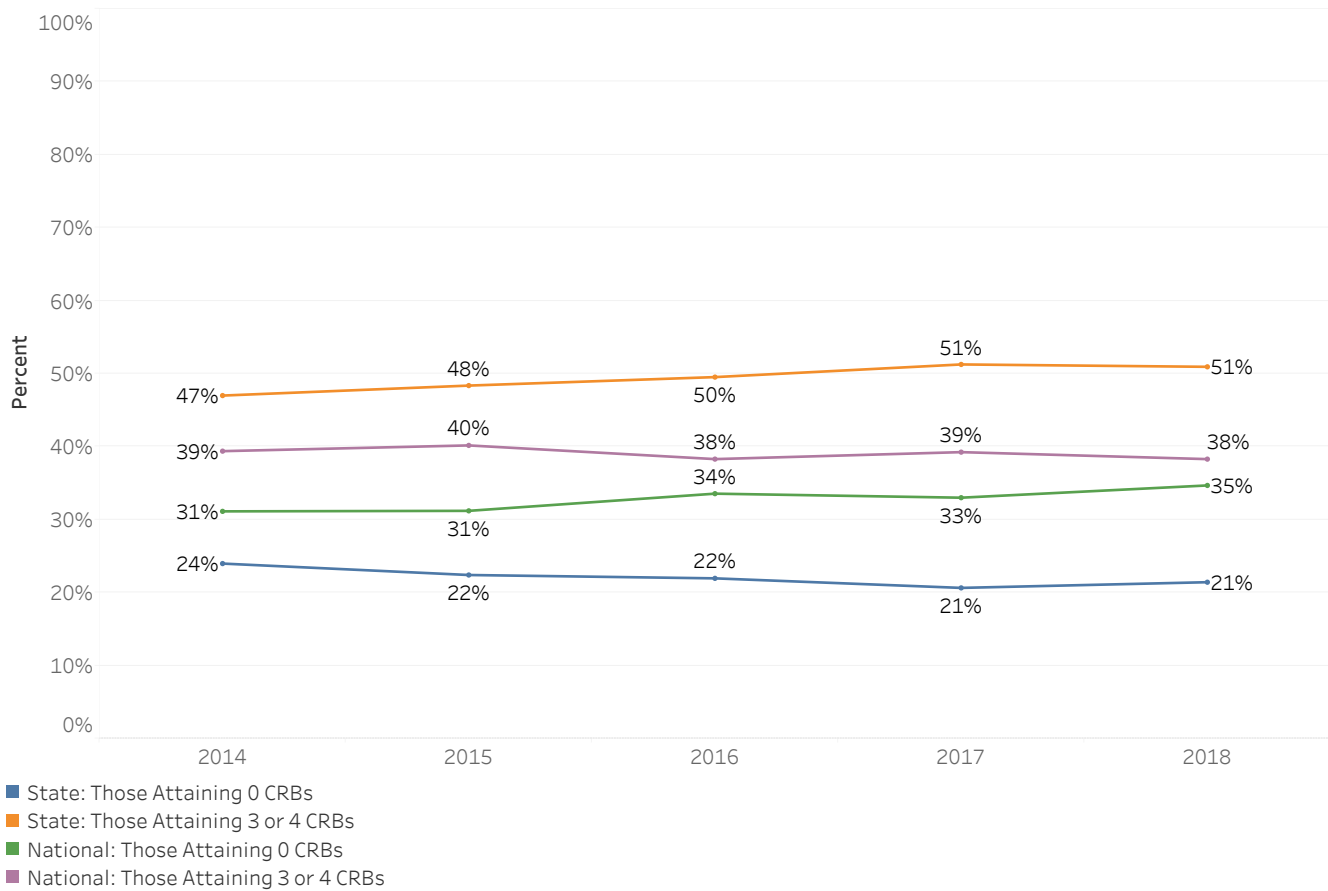
Data From Graph Above

	Below Benchmark by 3+ points	Within 2 points of Benchmark	Met Benchmark
English	18%	9%	73%
Math	37%	10%	53%
Reading	31%	12%	57%
Science	38%	15%	47%

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INDIANA College and Career Readiness Attainment, Participation, and Opportunity

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



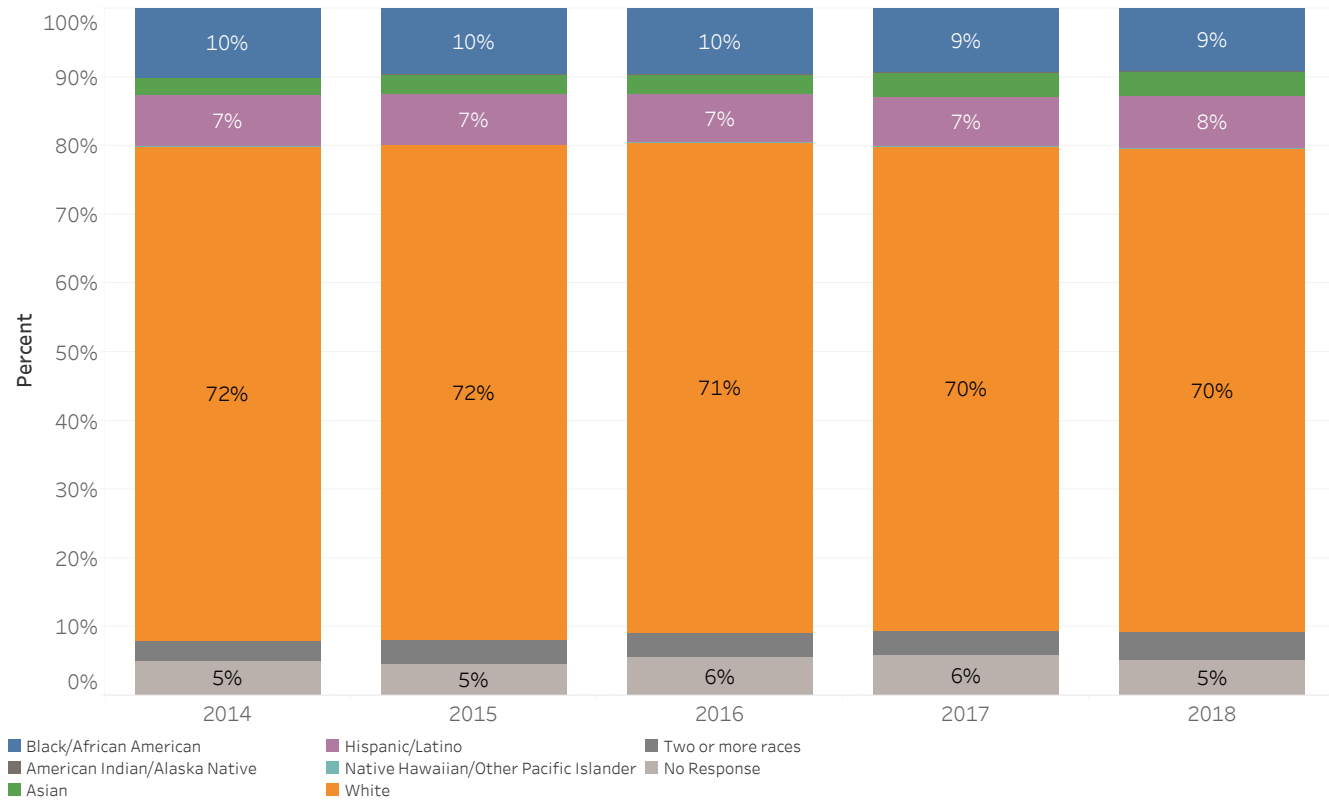
Data from Graph Above

	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	24%	47%	31%	39%
2015	22%	48%	31%	40%
2016	22%	50%	34%	38%
2017	21%	51%	33%	39%
2018	21%	51%	35%	38%

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INDIANA 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	10%	0%	2%	7%	0%	72%	3%	5%
2015	10%	0%	3%	7%	0%	72%	3%	5%
2016	10%	0%	3%	7%	0%	71%	3%	6%
2017	9%	0%	3%	7%	0%	70%	4%	6%
2018	9%	0%	3%	8%	0%	70%	4%	5%

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INDIANA College and Career Readiness Attainment, Participation, and Opportunity

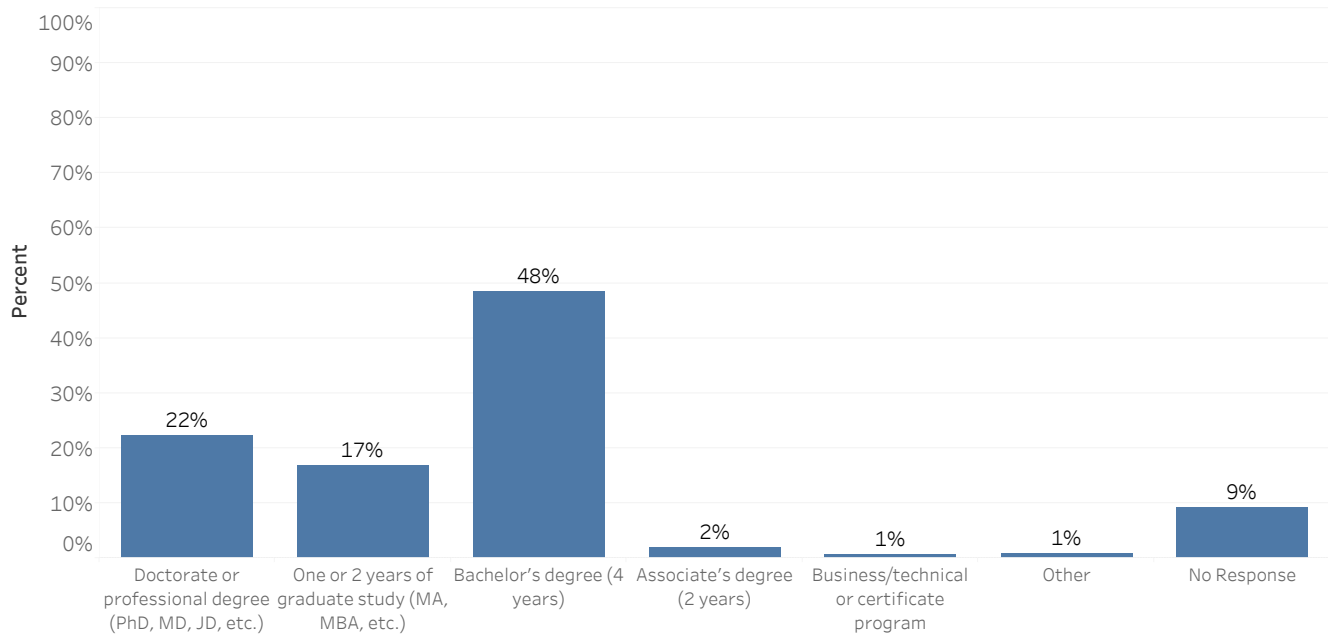
Student Data Trends: 2014-2018, State vs. Nation

	2014	2015	2016	2017	2018
State N-count	27,226	27,415	27,268	24,878	23,580
National N-count	1,845,787	1,924,436	2,090,342	2,030,038	1,914,817
Average ACT English Score - State	21.1	21.5	21.6	22.0	21.9
Average ACT English Score - National	20.3	20.4	20.1	20.3	20.2
Average ACT Reading Score - State	22.3	22.6	22.9	23.2	23.1
Average ACT Reading Score - National	21.3	21.4	21.3	21.4	21.3
Average ACT Math Score - State	21.9	22.0	22.1	22.4	22.3
Average ACT Math Score - National	20.9	20.8	20.6	20.7	20.5
Average ACT Science Score - State	21.6	21.8	22.0	22.3	22.2
Average ACT Science Score - National	20.8	20.9	20.8	21.0	20.7
Average ACT Composite Score - State	21.9	22.1	22.3	22.6	22.5
Average ACT Composite Score - National	21.0	21.0	20.8	21.0	20.8

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INDIANA 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.)	22%
One or 2 years of graduate study (MA, MBA, etc.)	17%
Bachelor's degree (4 years)	48%
Associate's degree (2 years)	2%
Business/technical or certificate program	1%
Other	1%
No Response	9%

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