

# Education 101

Leadership North Carolina

December 2018



# BEST NC's Mission

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Unite an engaged and informed business perspective to build consensus toward dramatically transforming and improving education in North Carolina.

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# Today's Discussion

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- ✓ Education Innovation in North Carolina
- ✓ Education Matters
- ✓ The Basics: students, teachers, funding, achievement
- ✓ Who is in Charge?
- ✓ Bonus... School Report Cards: Growth vs Achievement

# NC's Historic Commitment to Education

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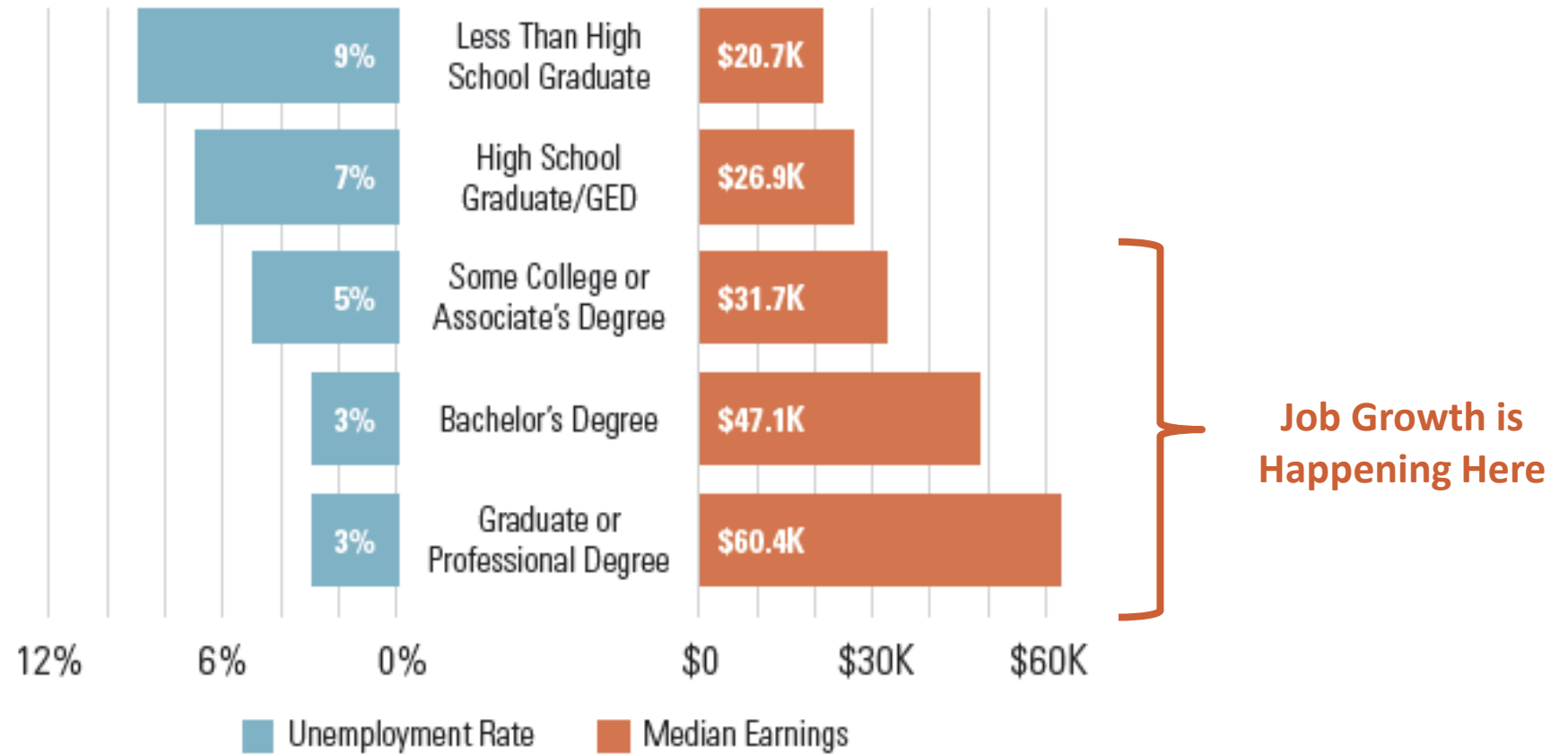
- 1776** North Carolina's First Constitution Recognizes Education
- 1789** University of North Carolina Chartered
- 1840** First Public School in North Carolina
- 1868** 2<sup>nd</sup> Constitution of North Carolina Establishes Education Rights
- 1907** First Kindergarten
- 1919** School Lengthened to 6 Months / Teacher Certification Established
- 1931** Brookings Plan/School Machinery Act Establishes Full State Support for Operations
- 1943** Nine Month School Year
- 1946** Compulsory Attendance to Age 16
- 1977** Universal, All-day Kindergarten
- 1993** Smart Start Established
- 2002** First Early College High School



Education matters and it is getting  
more challenging every year...



## Median Earnings & Unemployment Rate of North Carolina Adults by Educational Attainment (2016)



Source: U.S. Census Bureau – 2016 American Community Survey 1-Year Estimates

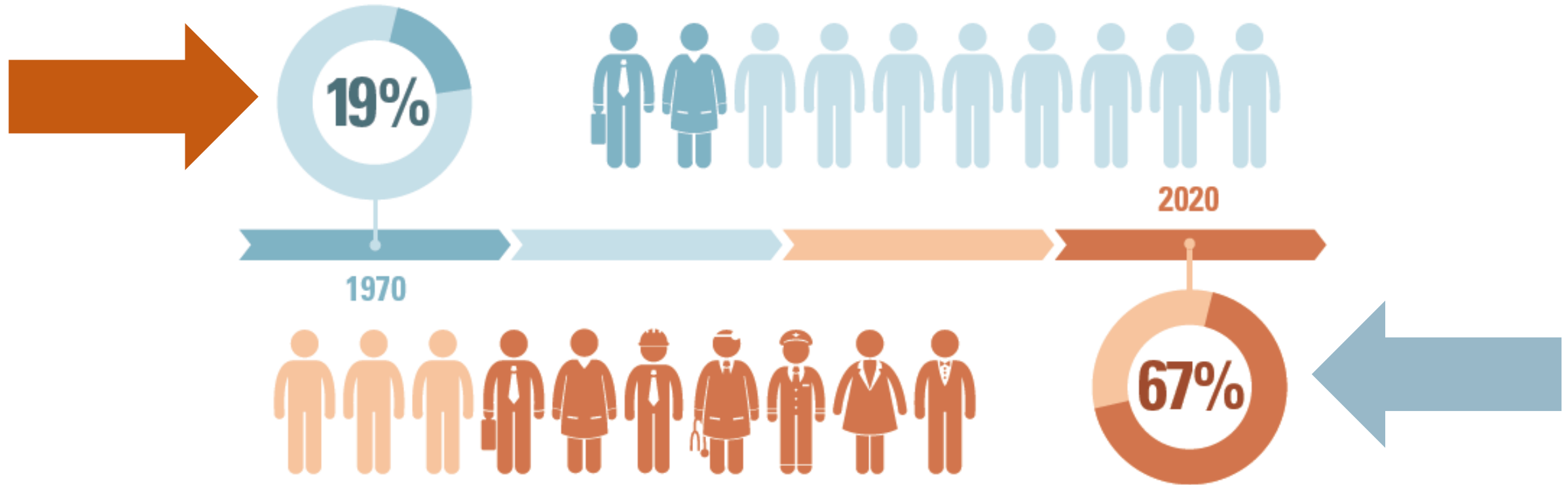


# 67% JOBS IN NORTH CAROLINA WILL REQUIRE POSTSECONDARY EDUCATION AND TRAINING IN 2020

	2010	2020	% in 2010	% in 2020	Change
High School or Less	1,603,300	1,685,350	38.8%	33.5%	-5.2%
Some college, no degree	967,800	1,220,340	23.4%	24.3%	0.9%
Associate's	396,800	528,470	9.6%	10.5%	0.9%
Bachelor's	814,500	1,118,750	19.7%	22.3%	2.6%
Graduate	353,900	471,890	8.6%	9.4%	0.8%
Total	4,136,300	5,024,800	100%	100%	

Source: Recovery: Job Growth and Education Requirements Through 2020 - State Report Georgetown University Center on Education and the Workforce

In 1970, just 19% of North Carolina adults ages 25-64 had any postsecondary education.

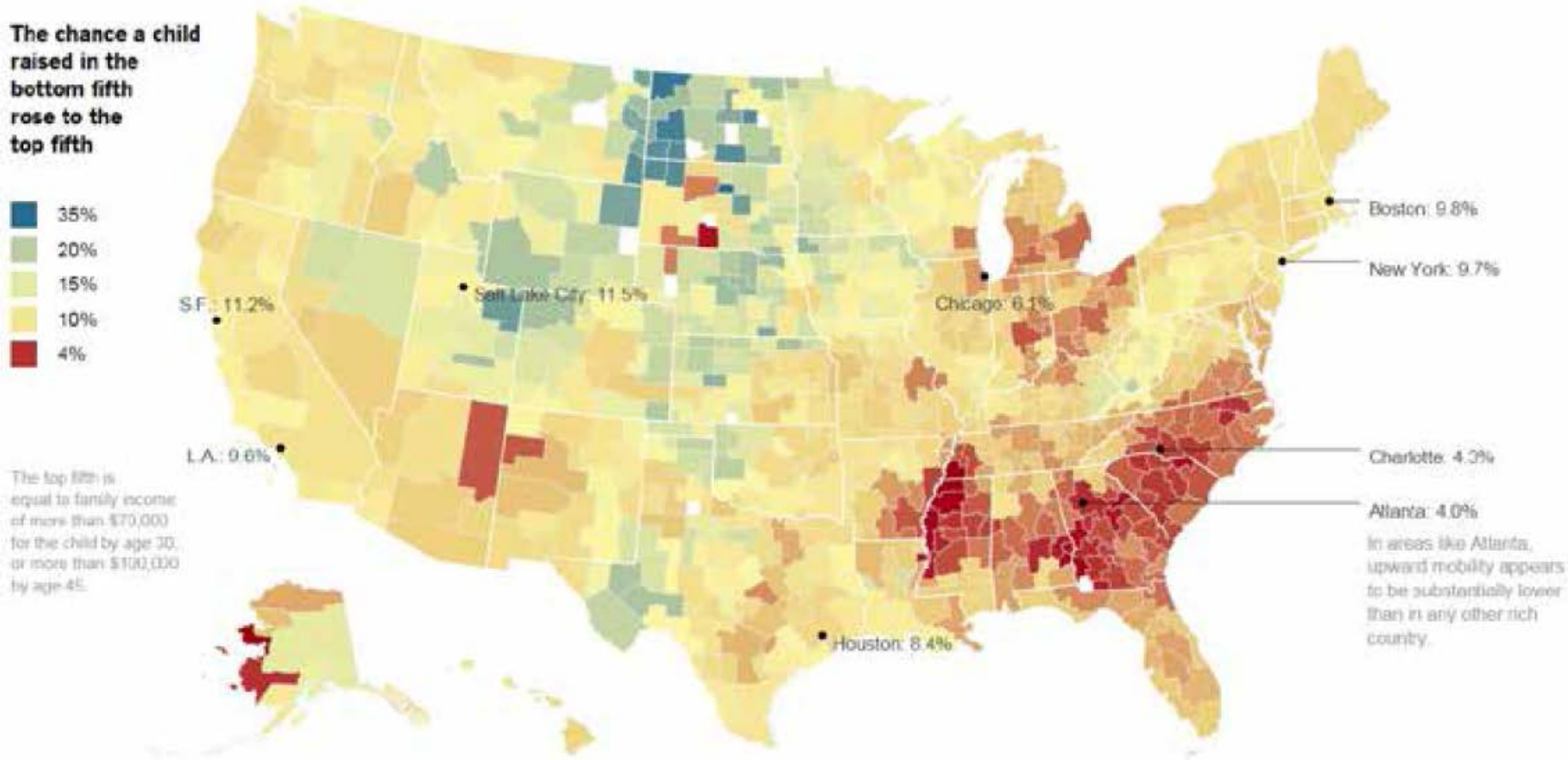


By 2020, 67% of North Carolina jobs will require some postsecondary education.

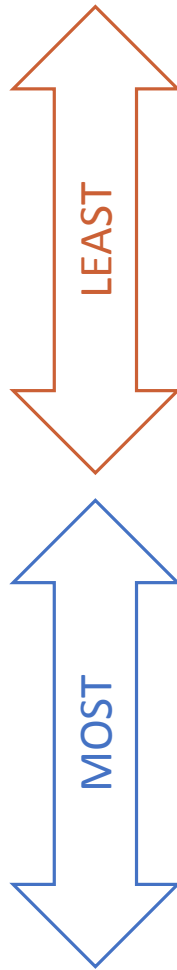
*Source: Georgetown University 2014 Report on Job Growth and Education Requirements Through 2020, Carolina Demography*

# Lack of Mobility: The South Stands Out

Source: 2013 New York Times map of Equality of Opportunity Project Data



# Economic Mobility – 100 Largest Cities



Rank	Commuting Zone	State	All Kids
100	Fayetteville	North Carolina	-17.8%
99	New Orleans	Louisiana	-14.8%
98	Greensboro	North Carolina	-14.8%
97	Charlotte	North Carolina	-14.4%
96	Columbia	South Carolina	-13.9%
95	Raleigh	North Carolina	-12.6%
94	Greenville	South Carolina	-12.2%
93	Memphis	Tennessee	-11.6%
92	Orlando	Florida	-11.4%
91	Fresno	California	-11.1%
10	Portland	Oregon	5.2%
9	Spokane	Washington	5.6%
8	Washington DC	District Of Columbia	5.8%
7	Omaha	Nebraska	6.4%
6	Des Moines	Iowa	6.6%
5	Madison	Wisconsin	7.4%
4	Reading	Pennsylvania	9.1%
3	Salt Lake City	Utah	9.2%
2	Minneapolis	Minnesota	9.7%
1	Seattle	Washington	11.6%

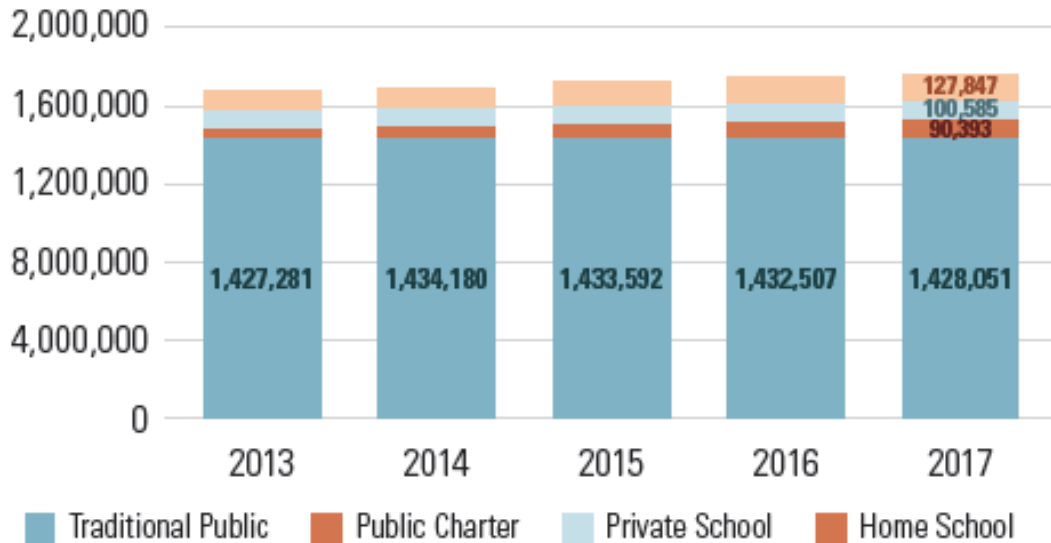
**North Carolina!**

Source: Equality of Opportunity Project



# K-12 Student Population

## Average Daily K-12 Student Membership by School Type

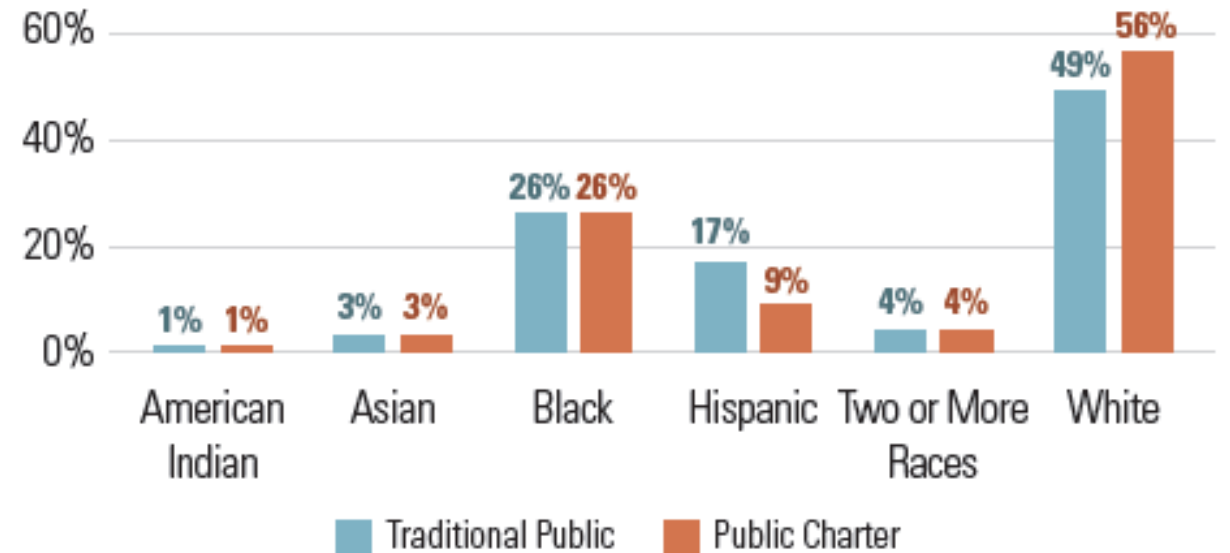


Source: NC DPI Student Accounting Data, NC Home School Statistical Summary

Charter school and home school growth accounted for 94% of total growth in K-12 student membership over the past five years.

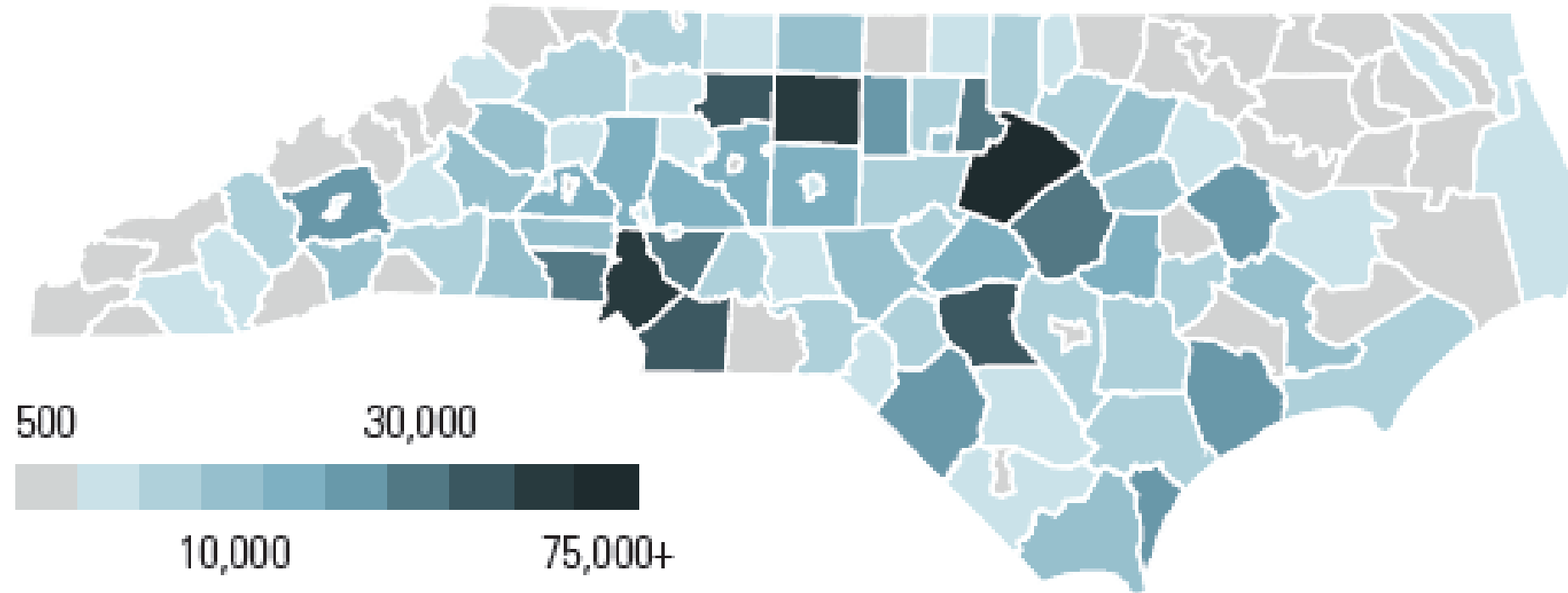
Source: NC DPI Student Accounting Data

## Demographics of K-12 Traditional Public Schools vs. Public Charter Schools (2016-17)



Source: NC DPI Statistical Profile

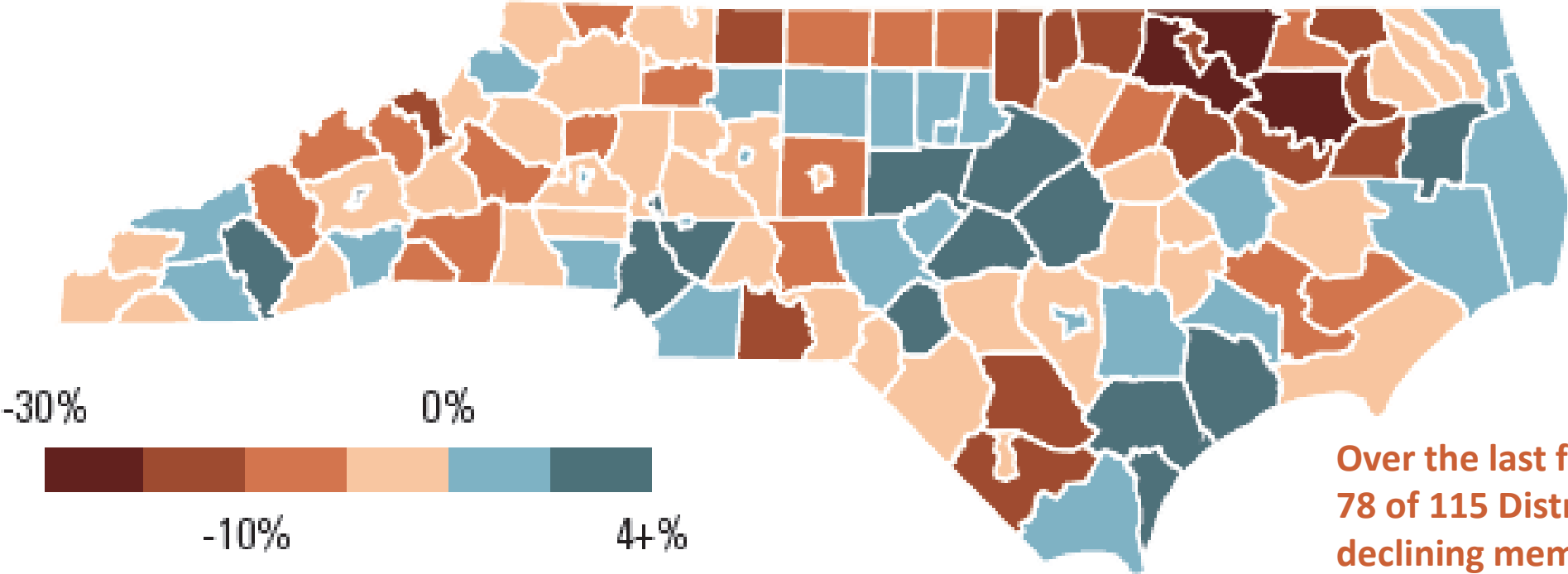
## Enrollment in K-12 Traditional Schools by District (2016-17)



Base geographic mapping files provided by the Friday Institute for Educational Innovation, North Carolina State University. [Visit \*www.NCEdFacts.org\*](http://www.NCEdFacts.org) for more interactive data.

Source: *NC DPI Student Accounting Data*

# Five-Year Percent Change in K-12 Student Enrollment by School District (2012 to 2017)



Over the last five years, 78 of 115 Districts have declining membership.

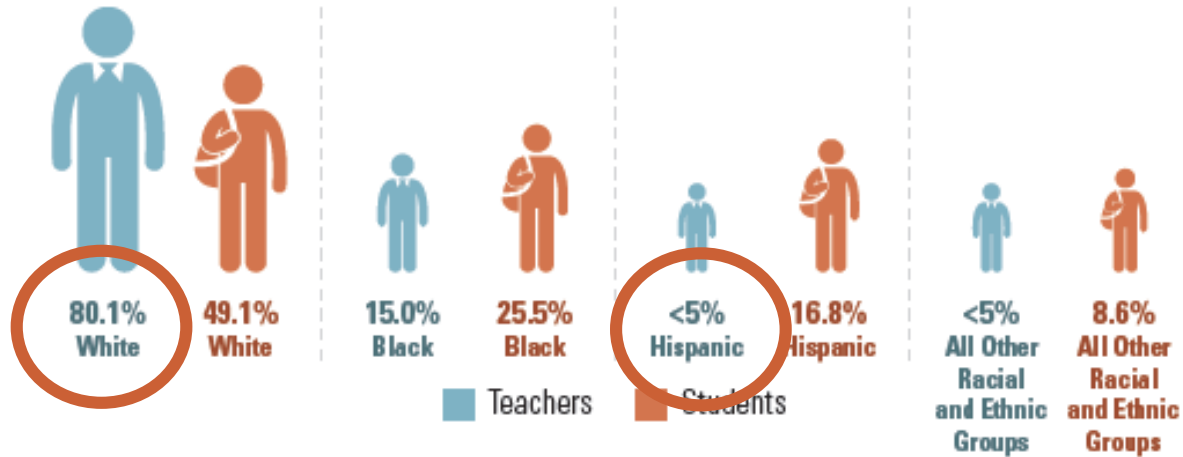
Base geographic mapping files provided by the Friday Institute for Educational Innovation, North Carolina State University. [Visit \*www.NCEdFacts.org\* for more interactive data.](http://www.NCEdFacts.org)

Source: *NC DPI Student Accounting Data*



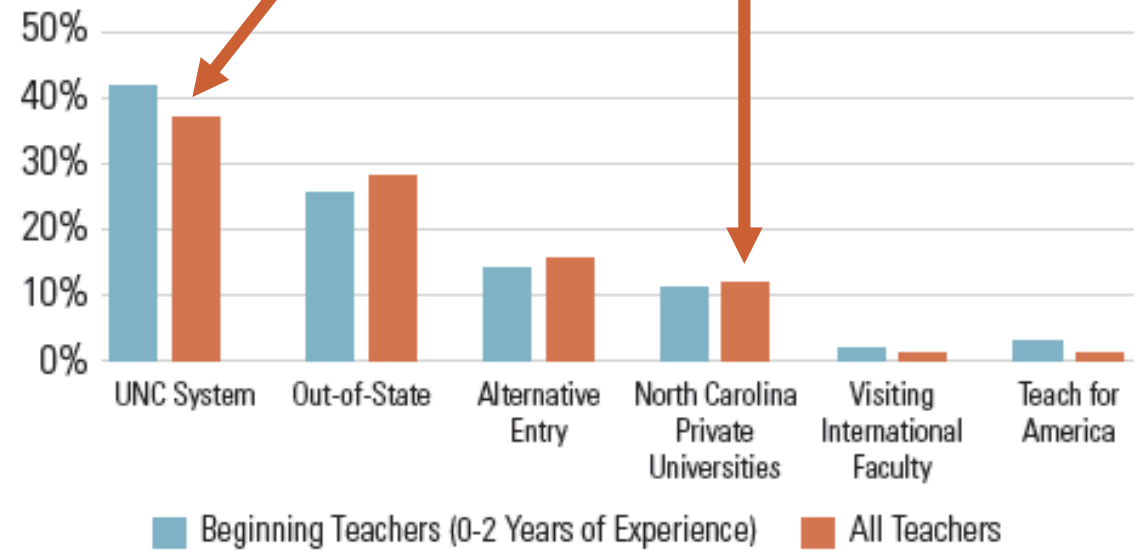
# K-12 Educators

## Teacher and Student Demographics in North Carolina K-12 Public Schools (2015-16)



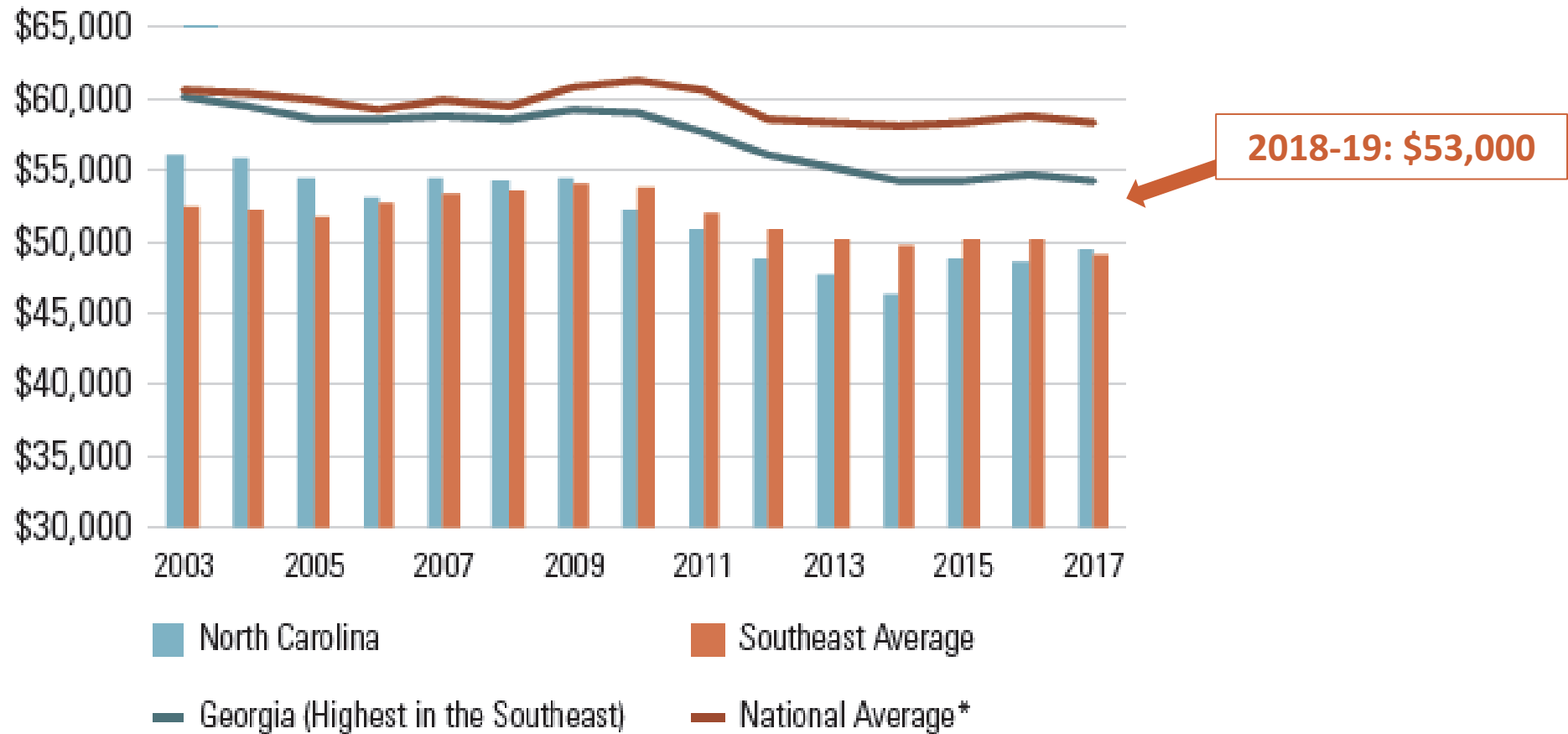
Source: NC DPI Statistical Profile

## Preparation Routes for North Carolina K-12 Teachers (2014-15)



Source: UNC Educator Quality Dashboard

## Average K-12 Teacher Salaries, Inflation Adjusted to 2017 Dollars



\* 35 states have an average salary below the national average.

Source: National Education Association Rankings and Estimates

# K-12 Funding

# North Carolina K-12 Education Funding Compared to the National Average (Fiscal Year 2015)

	North Carolina	National Average
Total Revenue Per Pupil	\$8,974	\$13,246
State %	\$5,579 (62%)	\$6,238 (47%)
Federal %	\$1,085 (12%)	\$1,099 (8%)
Local %	\$2,310 (26%)	\$5,910 (45%)

Education in NC is disproportionately funded at the State Level, compared with other states.

**\*Brookings Plan!**

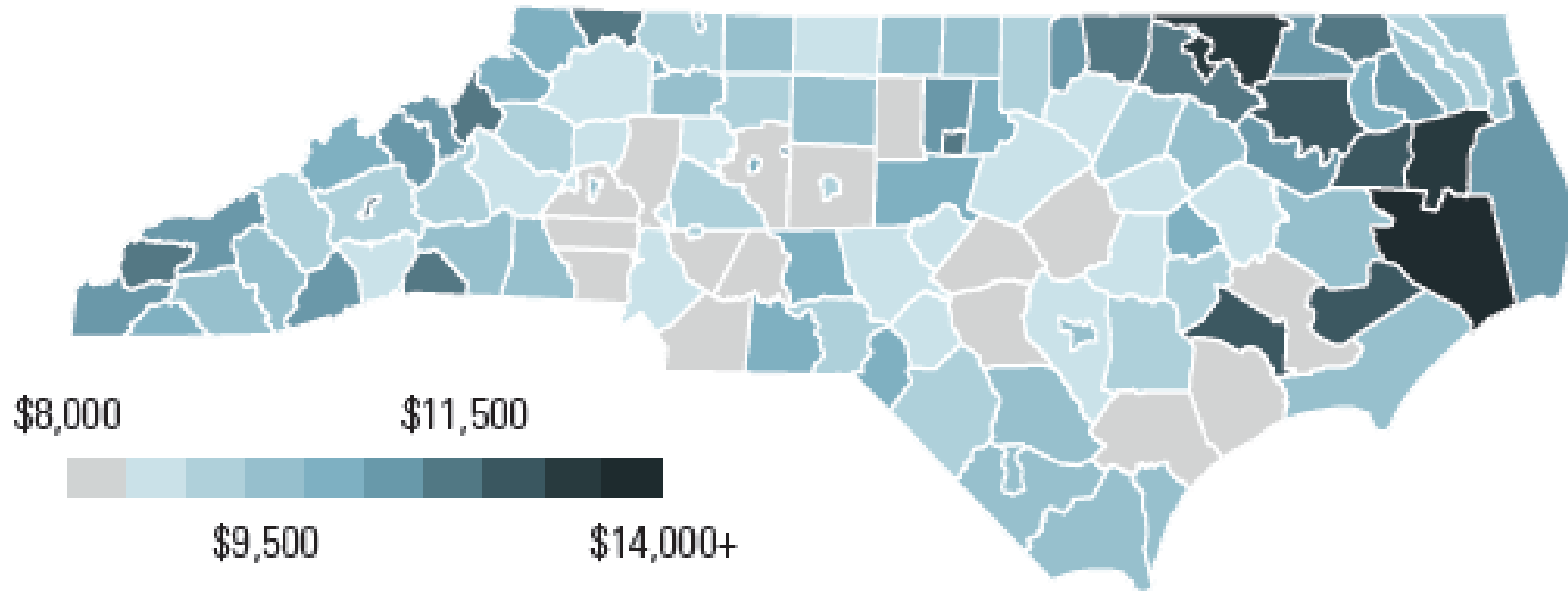
Source: U.S. Census Bureau, 2017 Public Education Finances Report on Fiscal Year 2015



North Carolina is one of just six states nationally that provide at least 10% more per pupil funding to high poverty districts than low poverty districts.

Source: Ed Build 2016 Resource Inequality Map

## Total K-12 per Pupil Spending by District (2016-17)

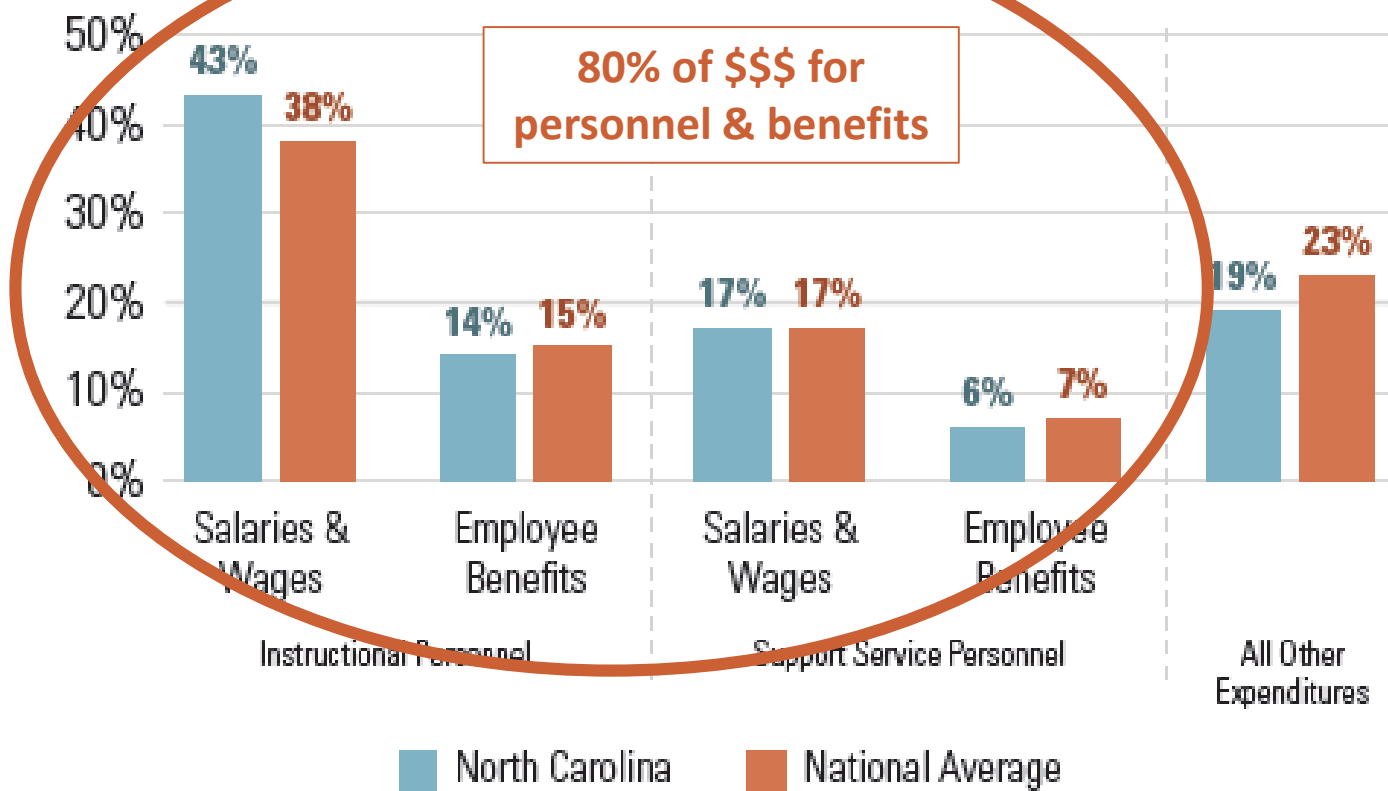


**Average: \$9,172**

*Base geographic mapping files provided by the Friday Institute for Educational Innovation, North Carolina State University. Visit [www.NCedFacts.org](http://www.NCedFacts.org) for more interactive data.*

*Source: NC DPI Statistical Profile*

## K-12 Public School Expenditure Distribution by Function (Fiscal Year 2015)



Source: U.S. Census Bureau, 2017 report on FY 2015

# K-12 Student Achievement



# Student Achievement

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18%

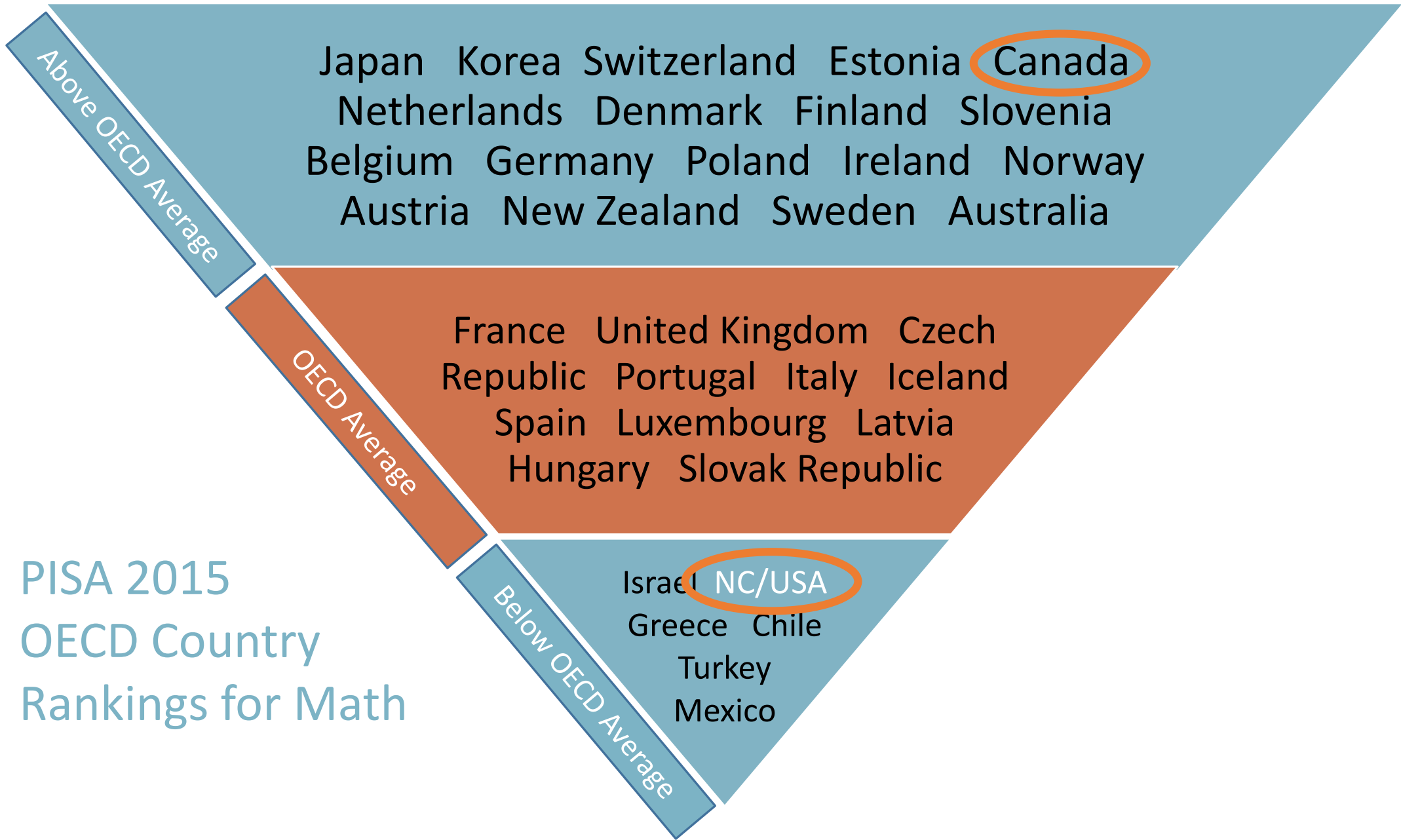
**Only 18% of North Carolina high school graduates met all readiness benchmarks on the ACT**

47%

**Nearly half of NC's high school graduates fail to meet *any* ACT college readiness benchmarks**

86%

**Highest Graduation Rate in the History of NC!**



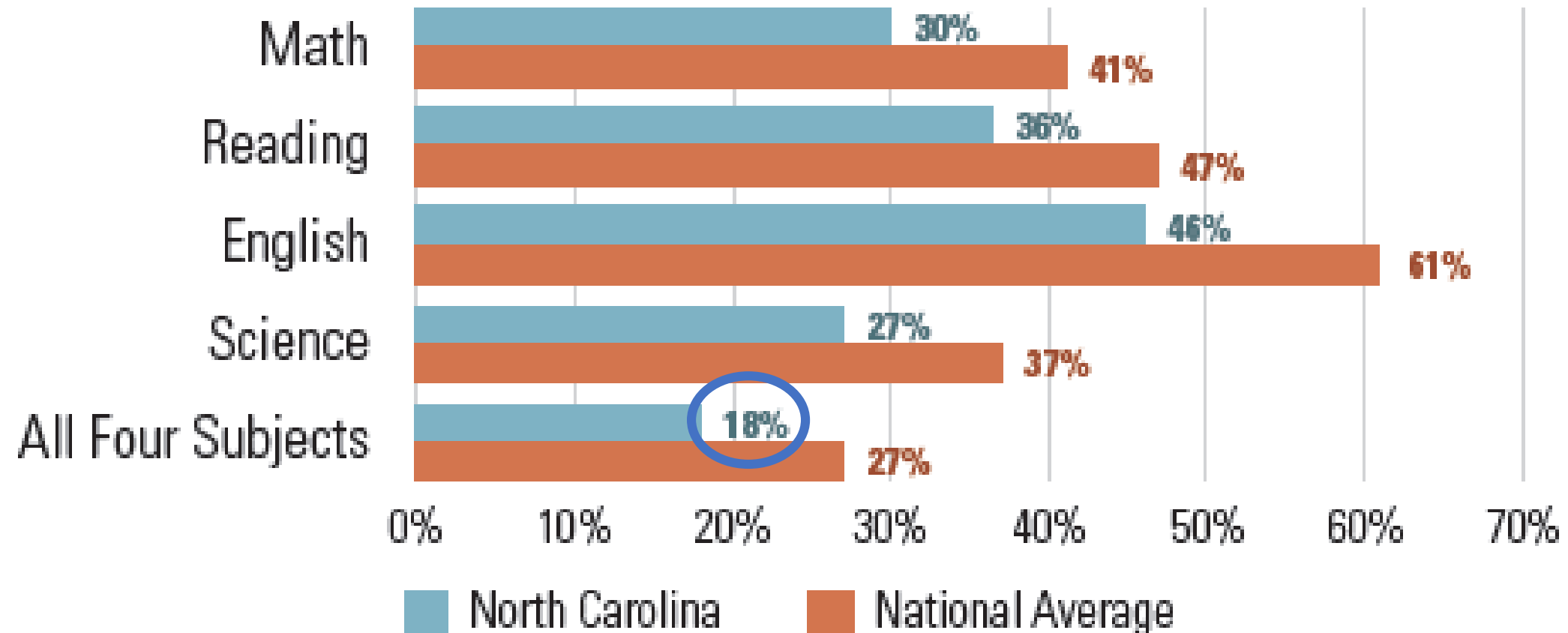
PISA 2015  
OECD Country  
Rankings for Math

# National Assessment of Education Progress (NAEP), 2017

Grade	Subject Area	% of Students At or Above Proficient		Lowest Proficiency Rate	Highest Proficiency Rate
		North Carolina	National Public Average		
4th	Reading	39%	35%	25%	51% (MA)
4th	Math	42%	40%	27%	53% (MA)
4th	Science	36%	37%	23%	51% (NH)
8th	Reading	33%	35%	20%	49% (MA)
8th	Math	35%	33%	19%	50% (MA)
8th	Science	31%	33%	20%	50% (UT)

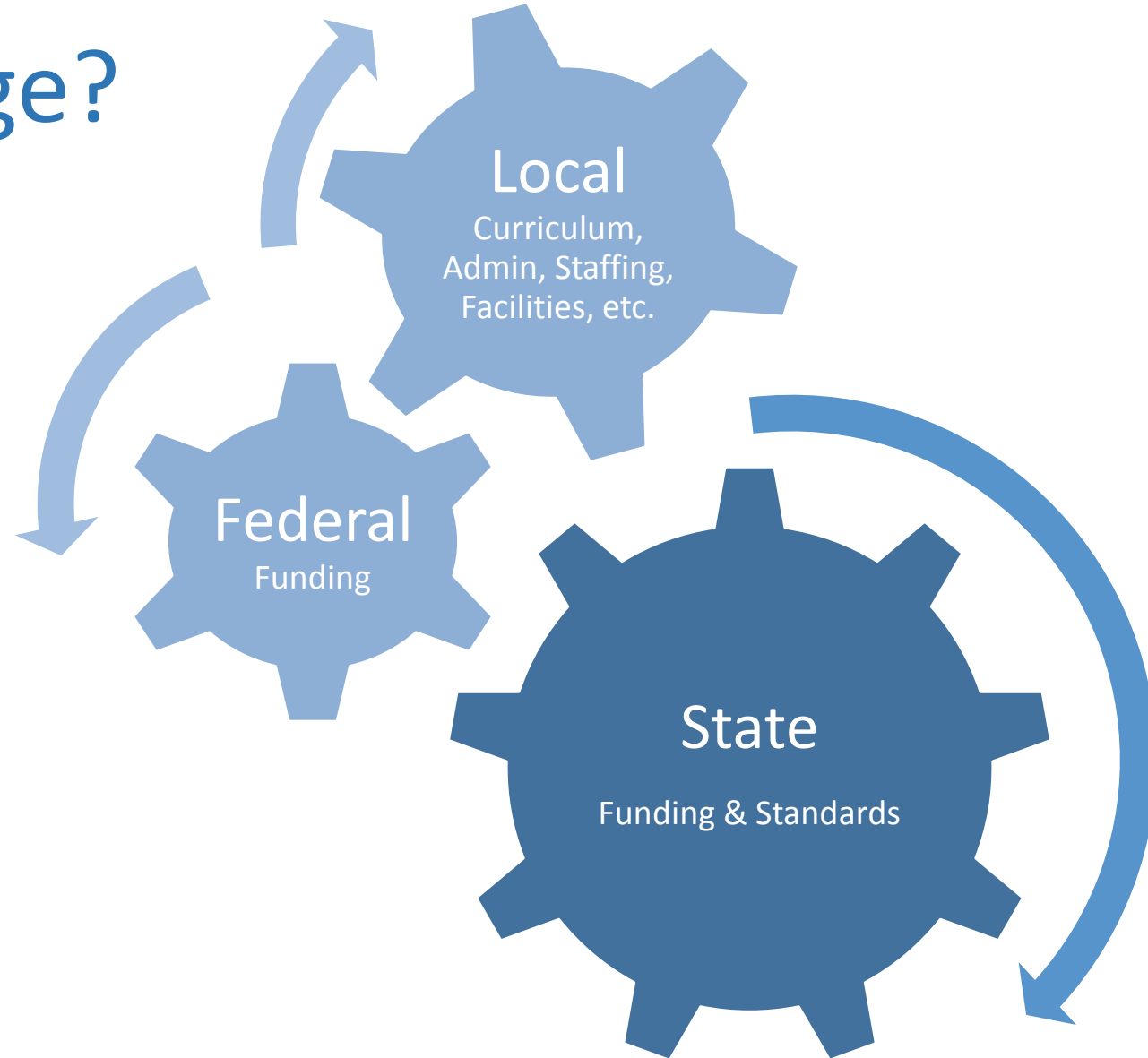
Source: *The Nation's Report Card – State Profiles*

# ACT-Tested High School Students Meeting College Readiness Benchmarks (Graduating Class of 2017)



Source: ACT State Profile Report – North Carolina Graduating Class of 2017

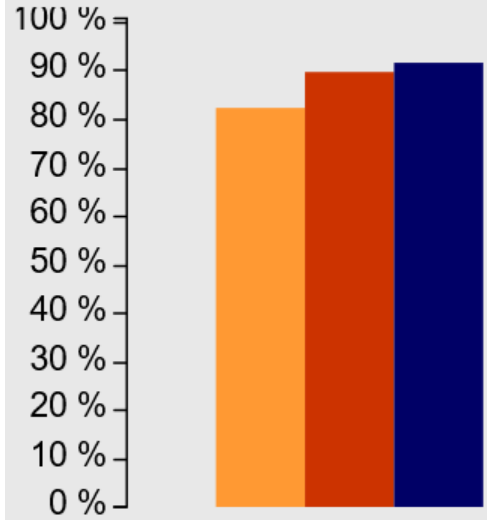
# Who's in charge?





# Bonus: School Report Cards

## Fully Licensed Teachers

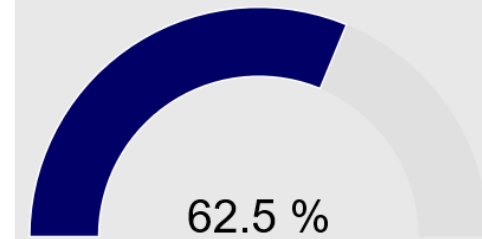


## Teachers with Advanced Degrees



## National Board Certified Teachers

## Economically Disadvantaged



24.6% of the students at this school are economically disadvantaged.

46.8% of the students entering 6th Grade across the state are economically disadvantaged.

49.2% of Students across the state are economically disadvantaged.

49.2% of Students across the state are economically disadvantaged.

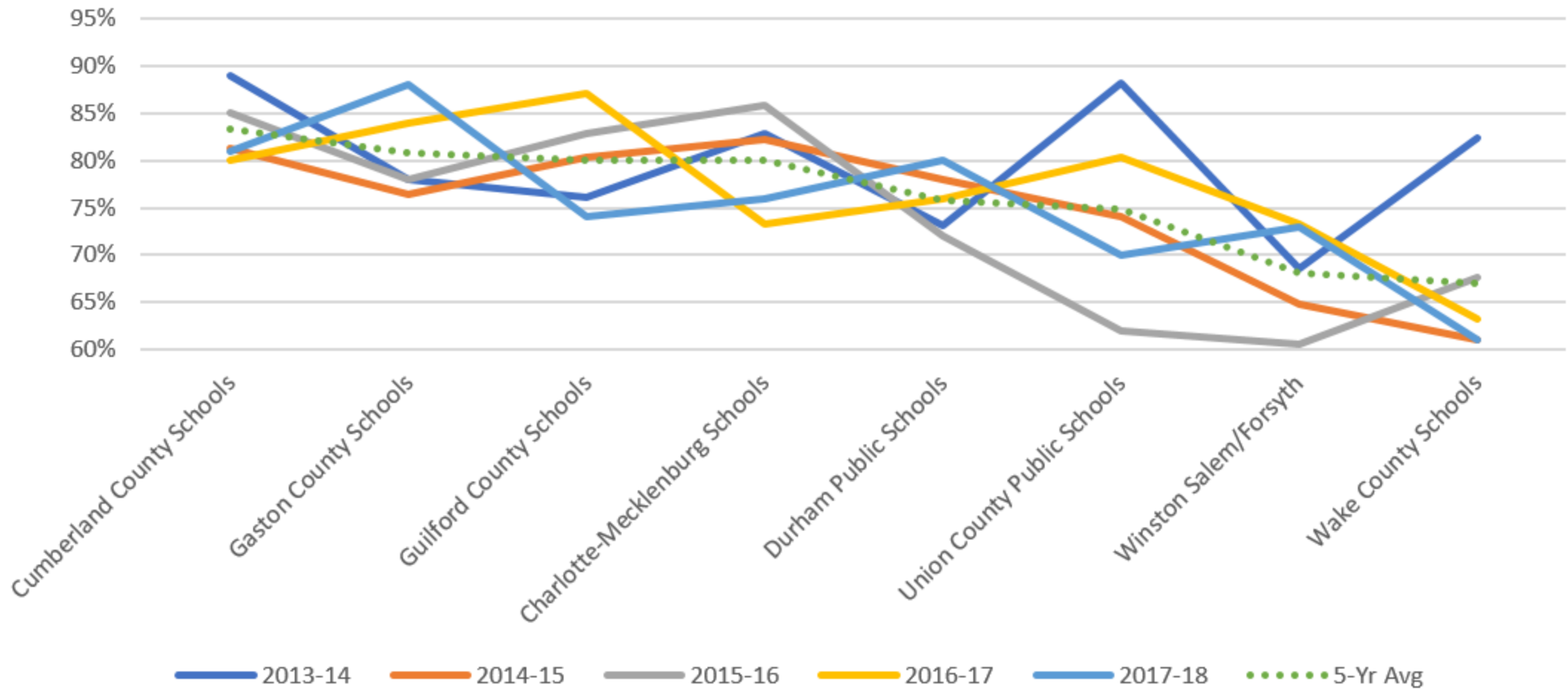


Achievement #	Growth #	Formula	Composite	Grade
79	91*	$= (79 \times 0.8) + (91 \times 0.2)$	81	B
82	58**	$= (82 \times 0.8) + (58 \times 0.2)$	77	B
34	89*	$= (34 \times 0.8) + (89 \times 0.2)$	45	D
35	59**	$= (35 \times 0.8) + (59 \times 0.2)$	40	D

\*Exceeded

\*\*Not Met

## % of Schools Meeting or Exceeding Growth over 5 Years



# Student Growth in Schools

## Largest School Districts

### 2017-18

LEA Name	Exceed #	Met #	Not Met #		Exceed %	Met %	Not Met %
Charlotte-Mecklenburg Schools	52	75	41		31%	45%	24%
Cumberland County Schools	28	37	15		35%	46%	19%
Durham Public Schools	20	19	10		41%	39%	20%
Gaston County Schools	23	20	6		47%	41%	12%
Guilford County Schools	27	59	30		23%	51%	26%
Union County Public Schools	15	20	15		30%	40%	30%
Wake County Schools	27	80	69		15%	45%	39%
Winston Salem/Forsyth	18	34	19		25%	48%	27%
<b>TOTAL</b>	<b>210</b>	<b>344</b>	<b>205</b>		<b>28%</b>	<b>45%</b>	<b>27%</b>

# Questions?



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