

Click present and treat this PowerPoint like a video. The slides are  
timed and should move smoothly in a timely manner.  
Enjoy.

Carolina Across 100 Hackathon  
Submission

# Choropleth Evaluation of COVID-19 Effects on Education Attendance

By: Max Buglisi & Hana Carter

Using QGIS, a common geographic information system, we analyzed non-public, home and public school attendance from 2015-2021 using the public Log Into North Carolina (LINC) data set.

We did this to look for any trends in 2020 and 2021 compared to the pre-COVID era.

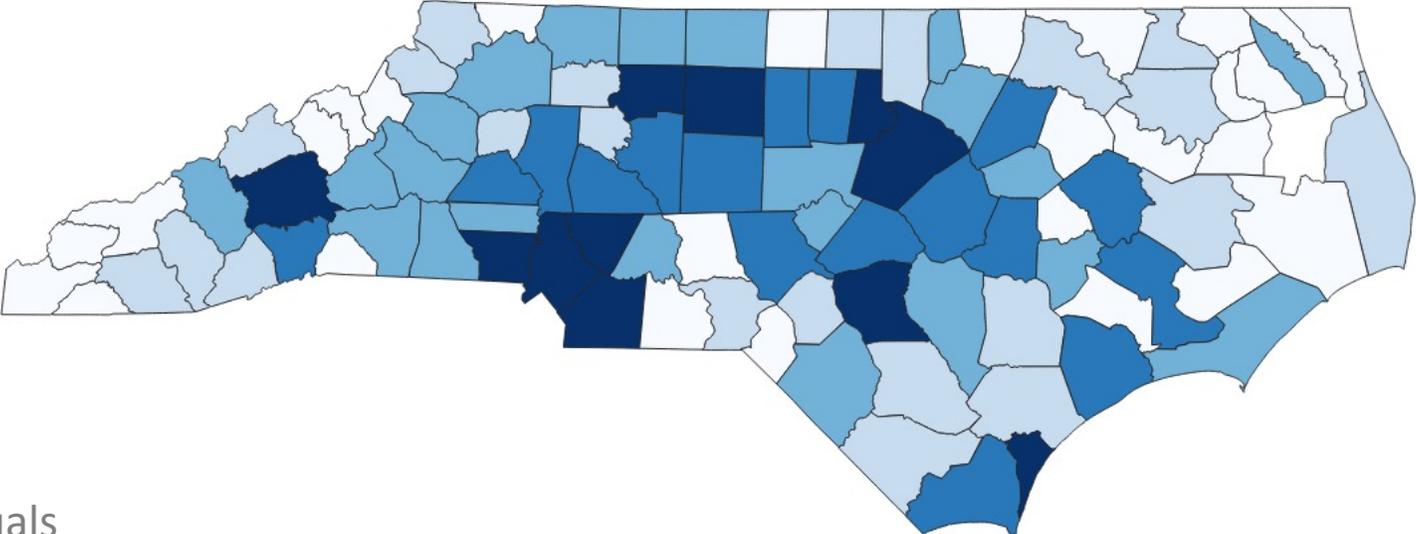
Each individual year is represented in a slide quickly followed by the next year to best represent changes in the county values.

Almost like a flip book.

First is “Non-Public School Attendance”

# Non-Public School Attendance

2015

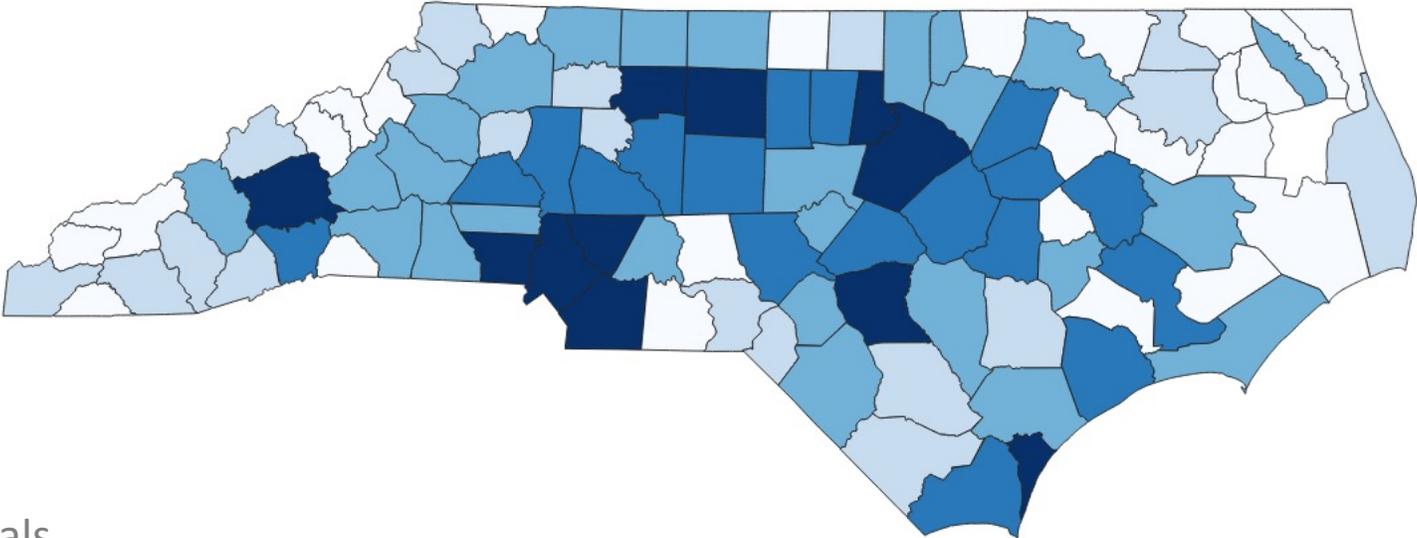


Number of Individuals

- 47 - 484
- 484 - 880
- 880 - 1741
- 1741 - 4123
- 4123 - 35732

# Non-Public School Attendance

2016

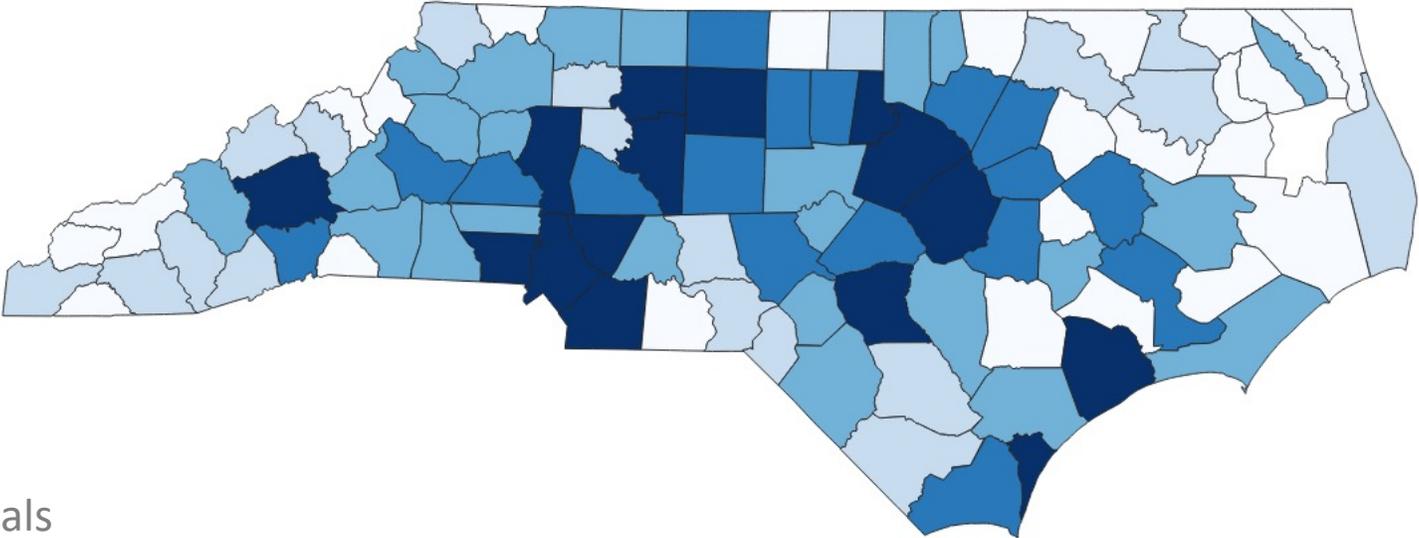


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# Non-Public School Attendance

2017

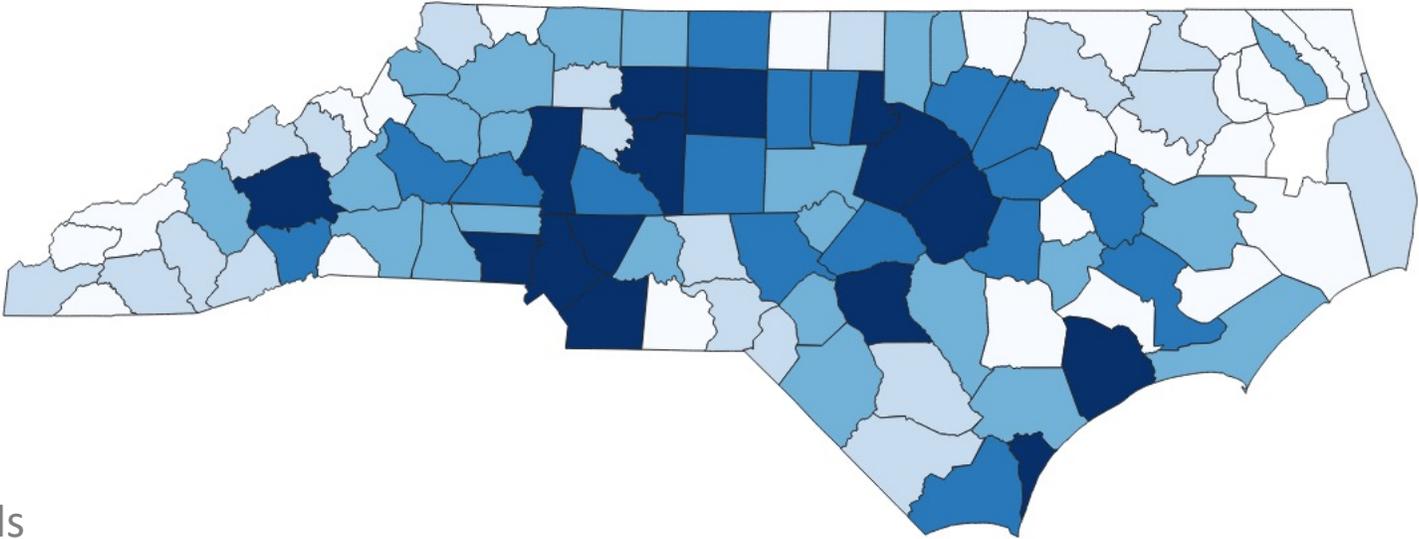


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# Non-Public School Attendance

2018

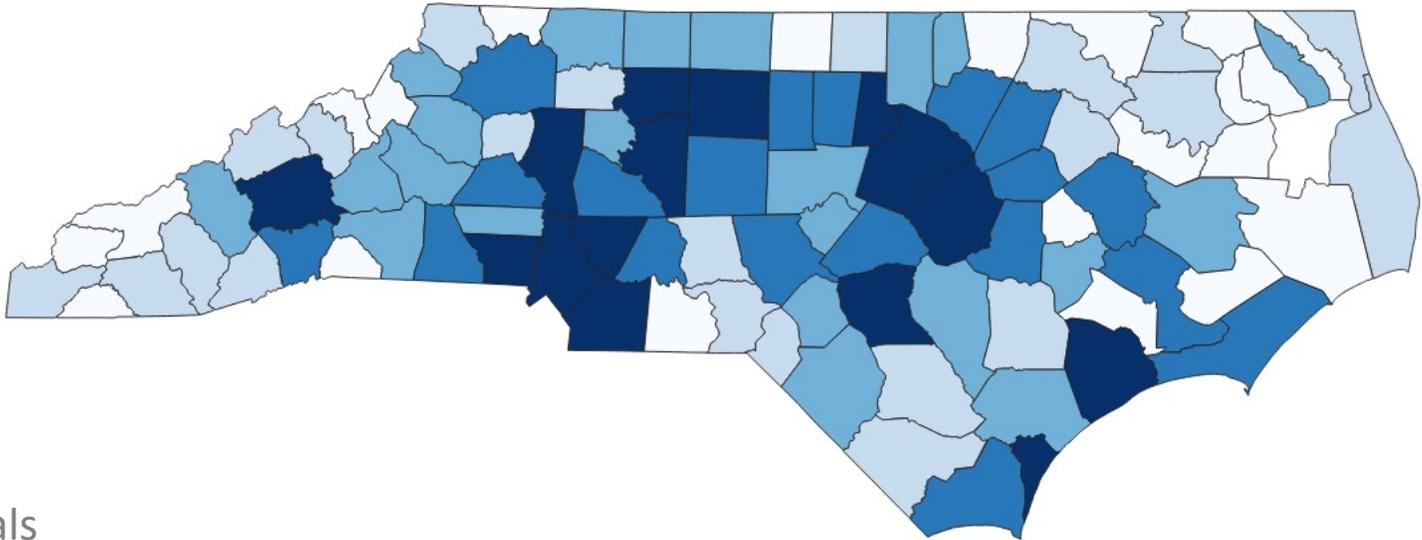


Number of Individuals

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# Non-Public School Attendance

2019

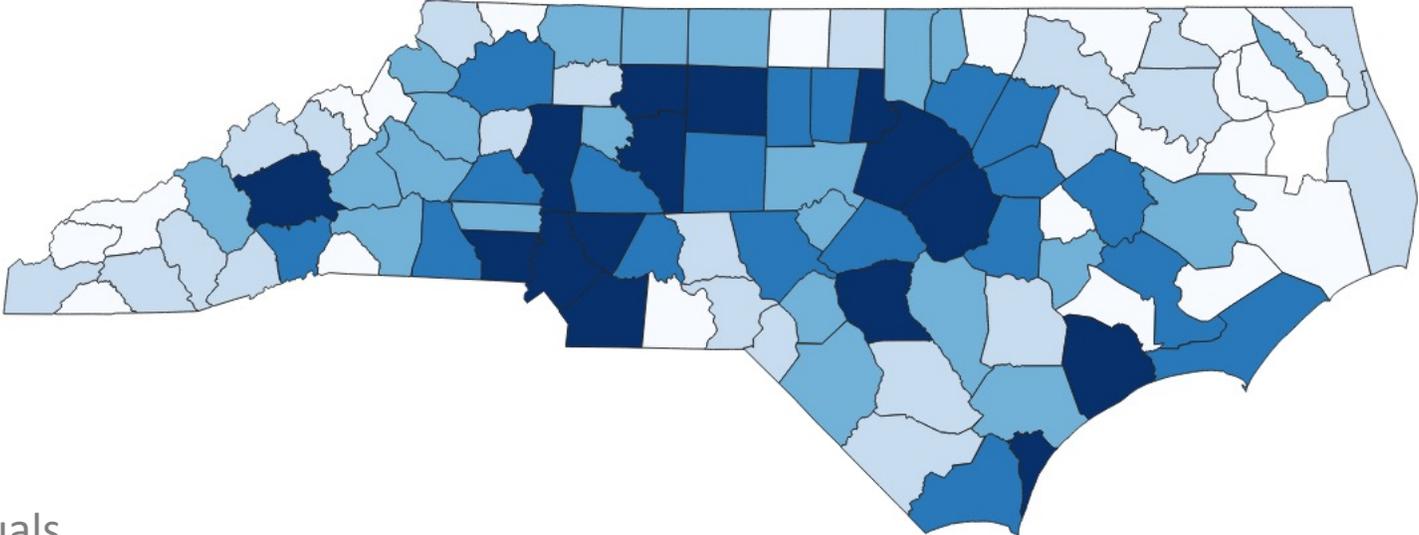


Number of Individuals

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# Non-Public School Attendance

2020

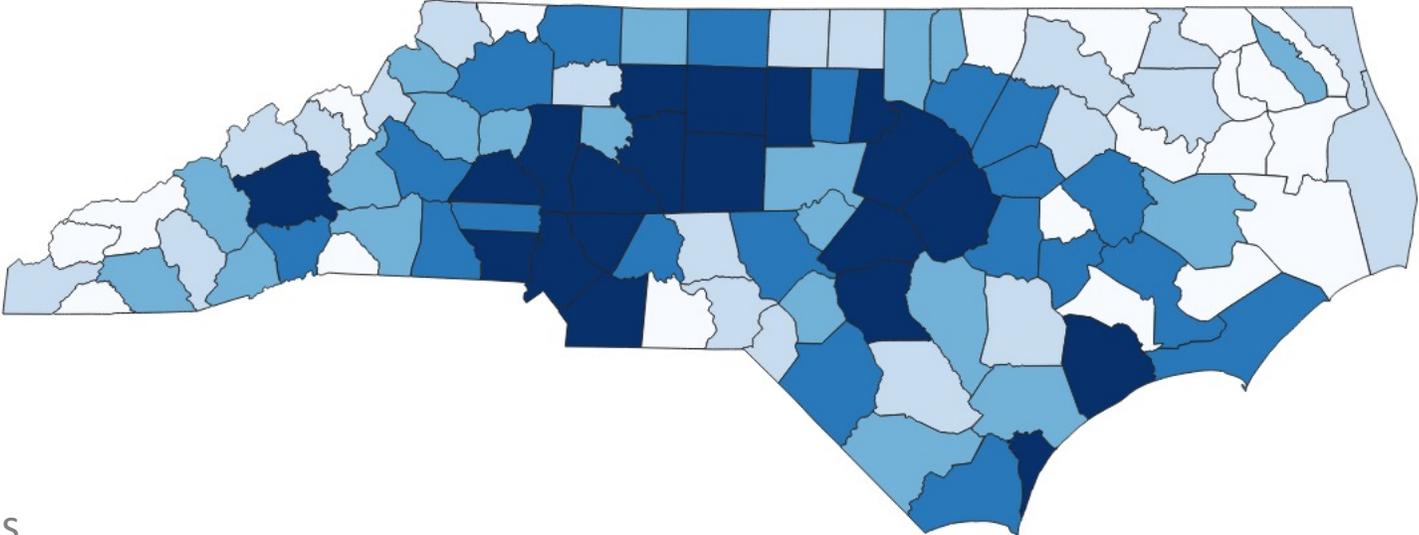


Number of Individuals

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# Non-Public School Attendance

2021



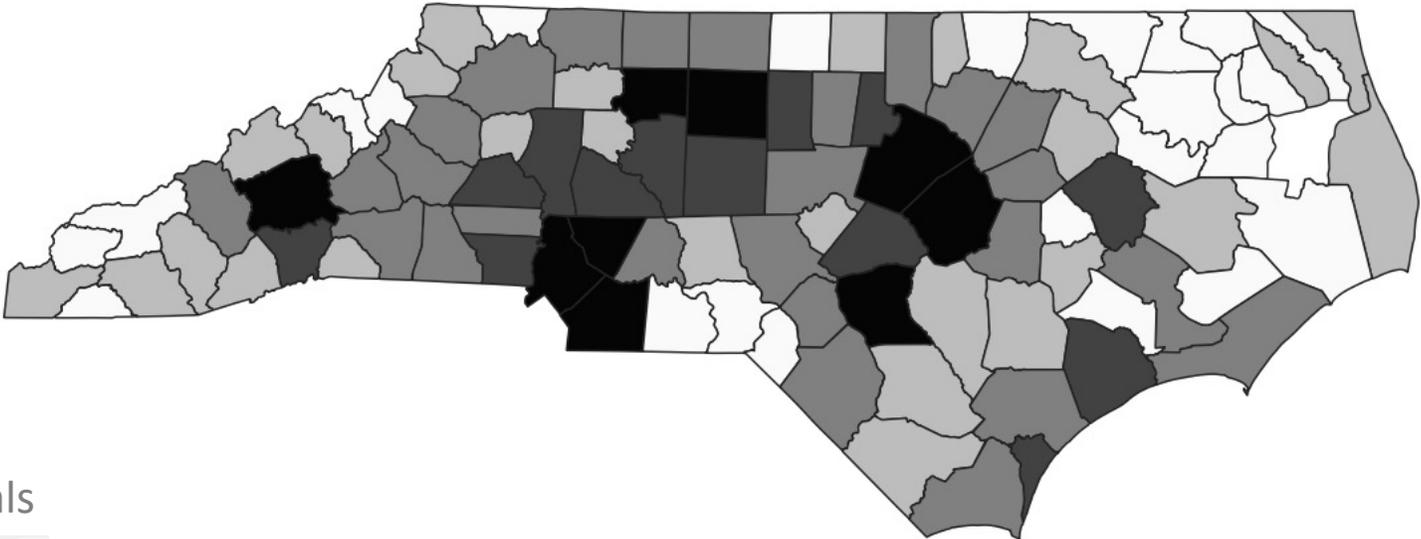
Number of Individuals

- 47 - 484
- 484 - 880
- 880 - 1741
- 1741 - 4123
- 4123 - 35732

Second is “Home School Attendance”

# Home School Attendance

2015

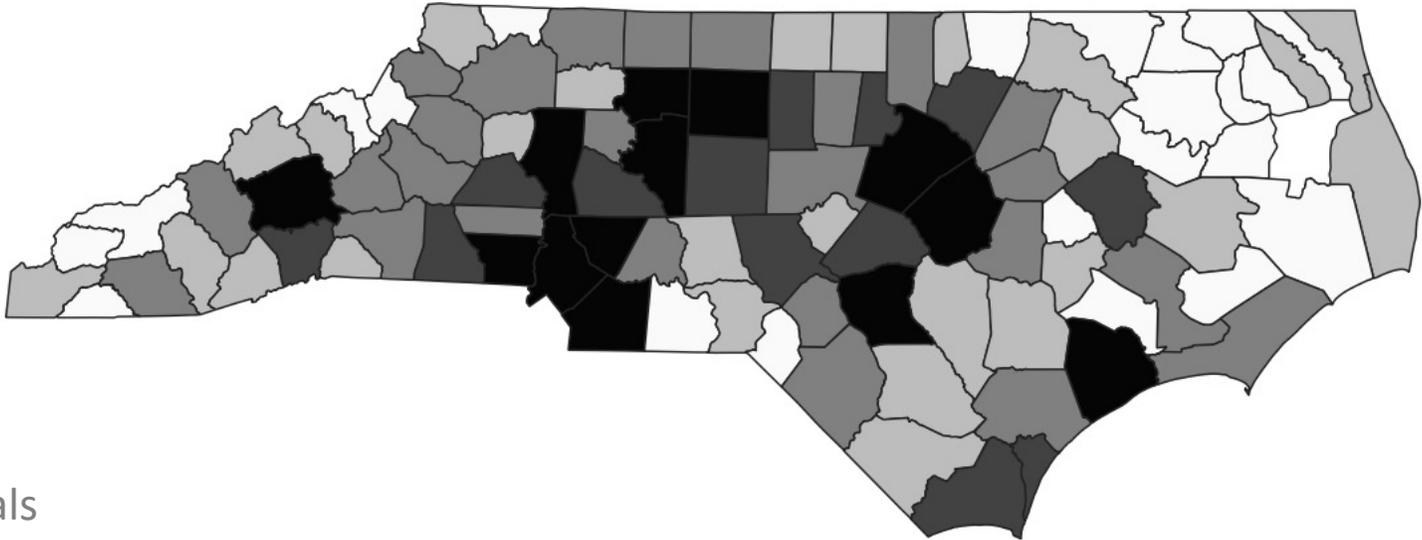


Number of Individuals

- 45 - 279
- 279 - 624
- 624 - 1121
- 1121 - 2152
- 2152 - 13575

# Home School Attendance

2016

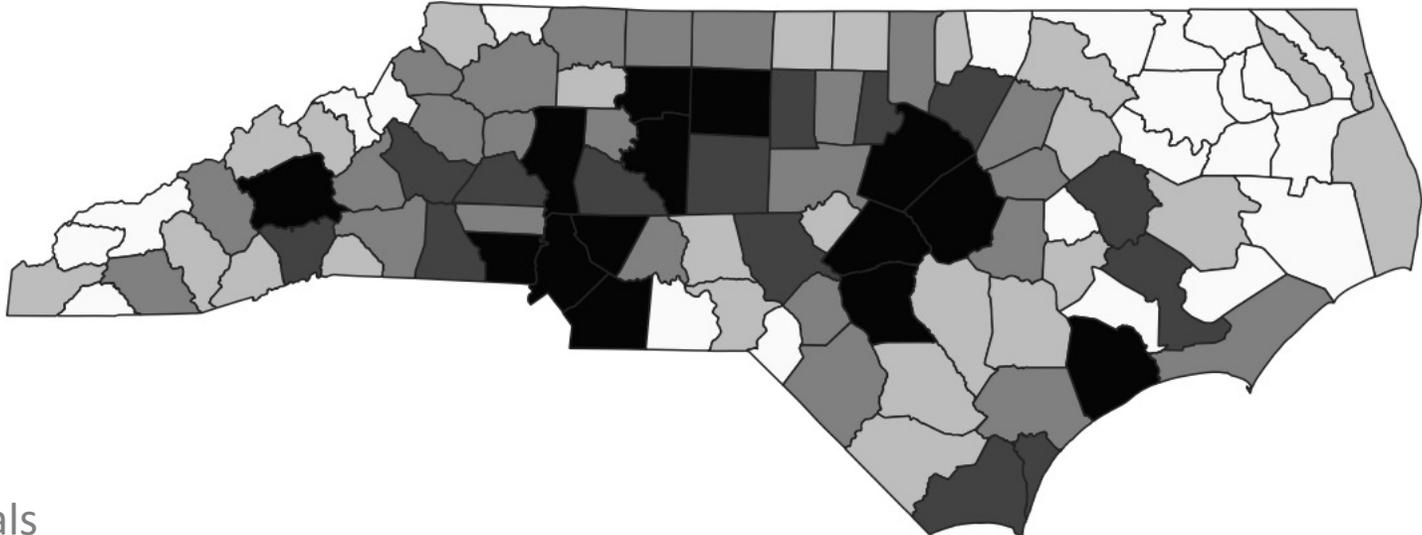


Number of Individuals

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# Home School Attendance

2017

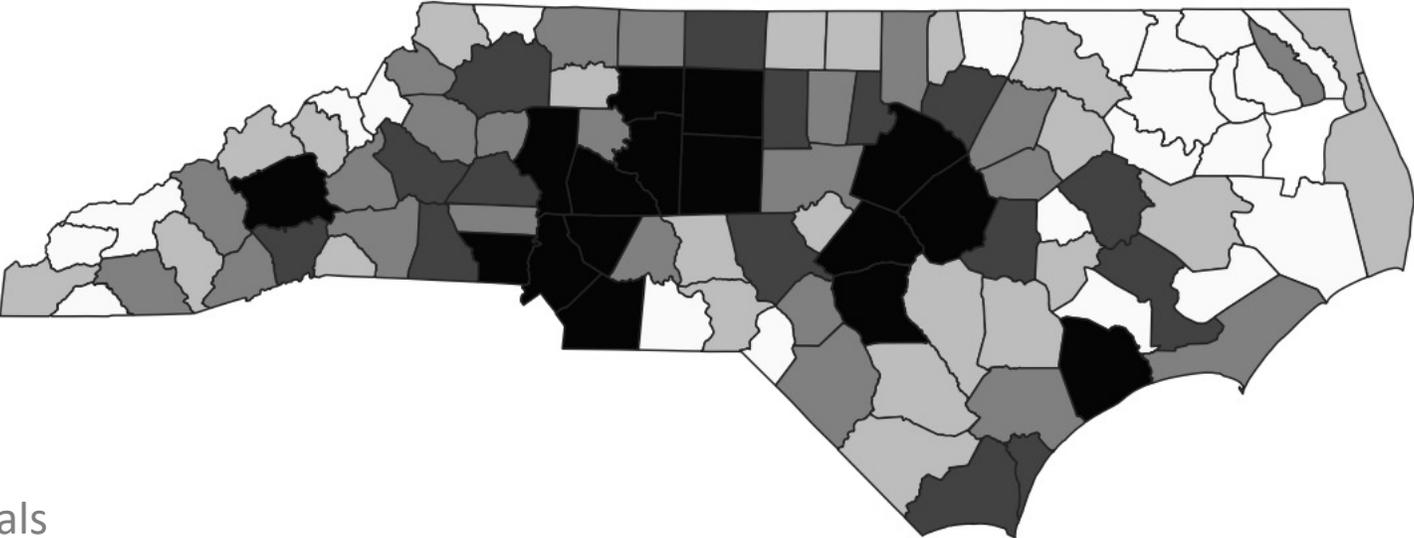


Number of Individuals

- 45 - 279
- 279 - 624
- 624 - 1121
- 1121 - 2152
- 2152 - 13575

# Home School Attendance

2018

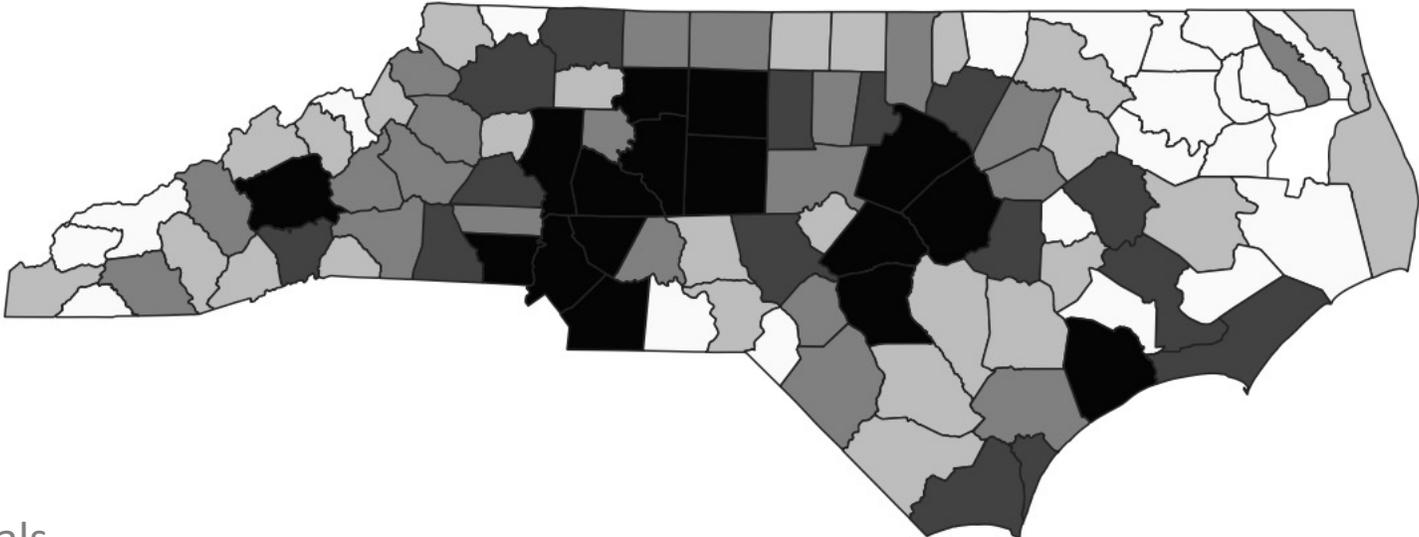


Number of Individuals

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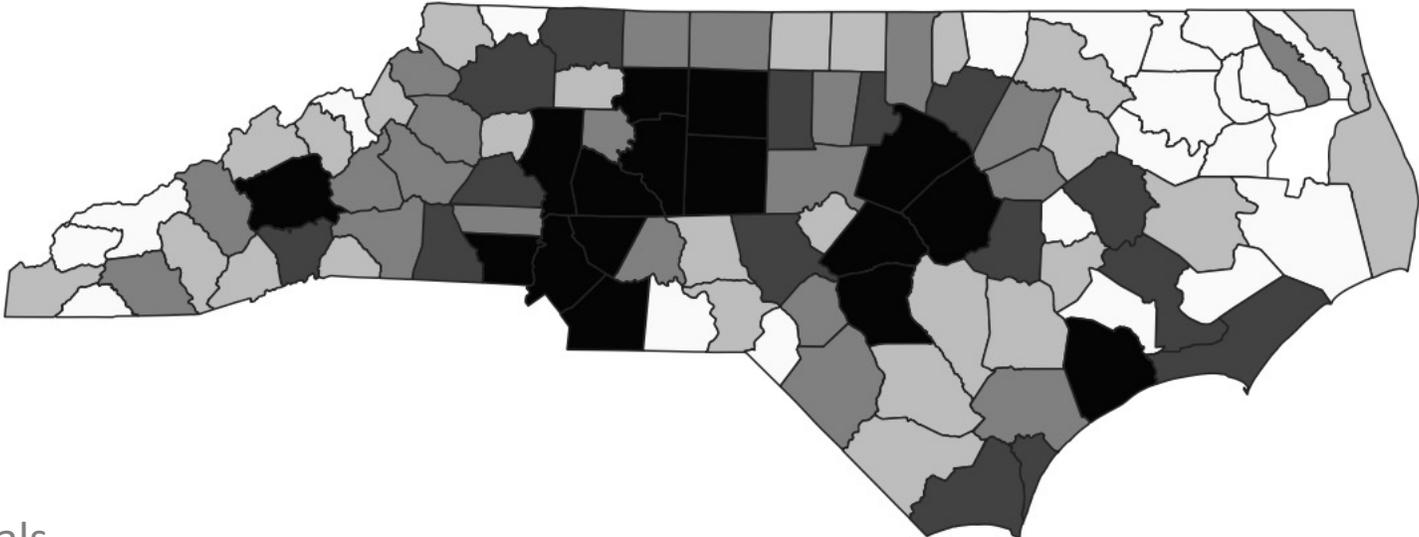


Number of Individuals

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# Home School Attendance

2020

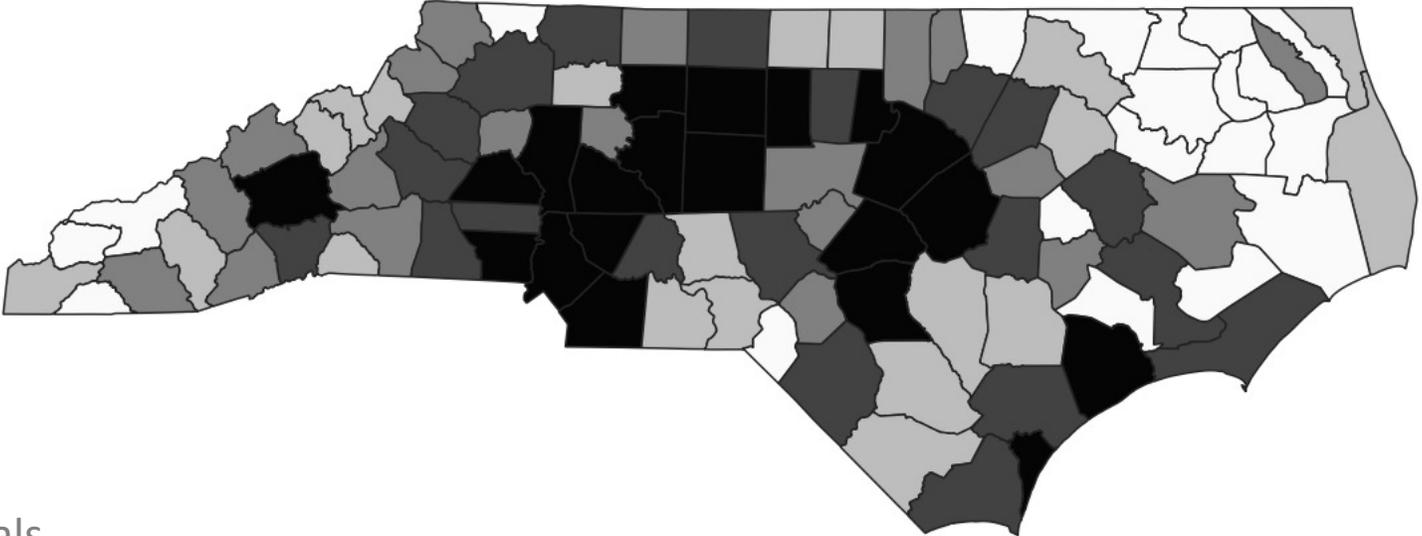


Number of Individuals

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-  2152 - 13575

# Home School Attendance

2021



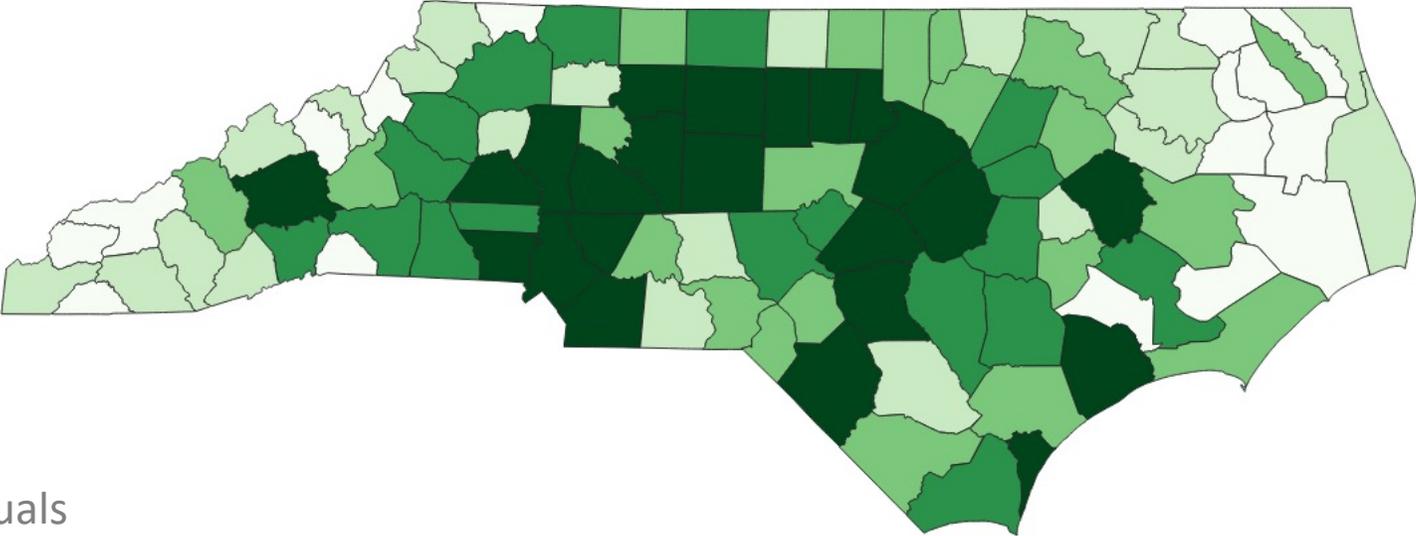
Number of Individuals

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- 2152 - 13575

Last is “Public School Attendance”

# Public School Attendance

2015

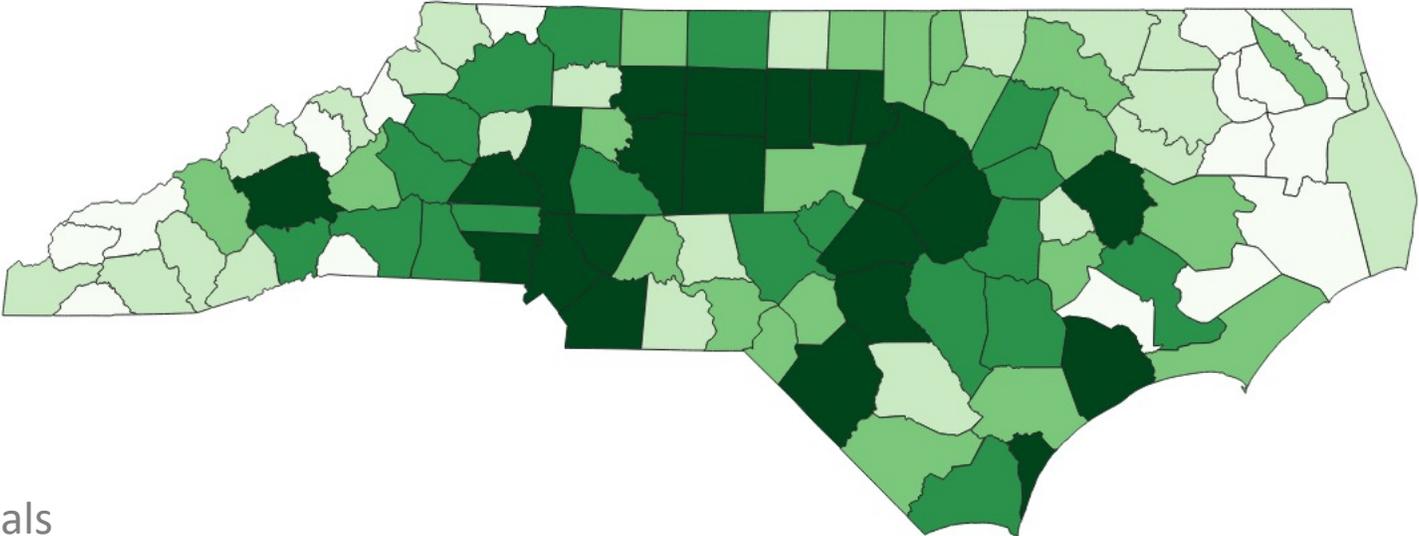


Number of Individuals

- 471 - 2347
- 2347 - 5445
- 5445 - 9658
- 9658 - 19911
- 19911 - 170723

# Public School Attendance

2016

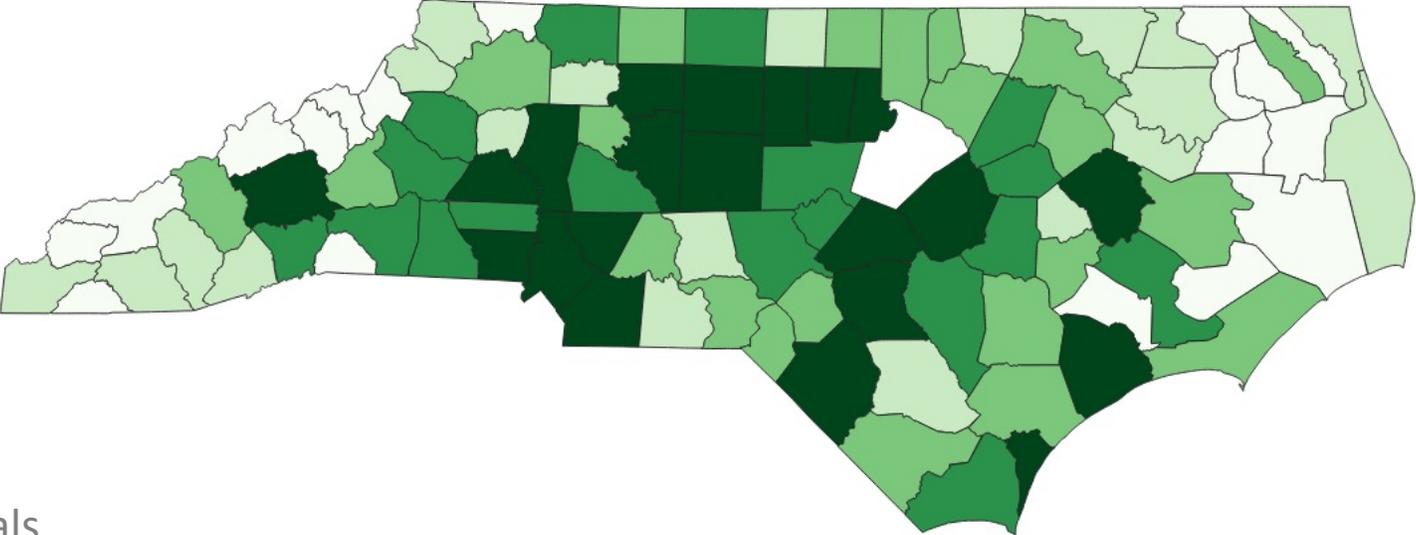


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2017

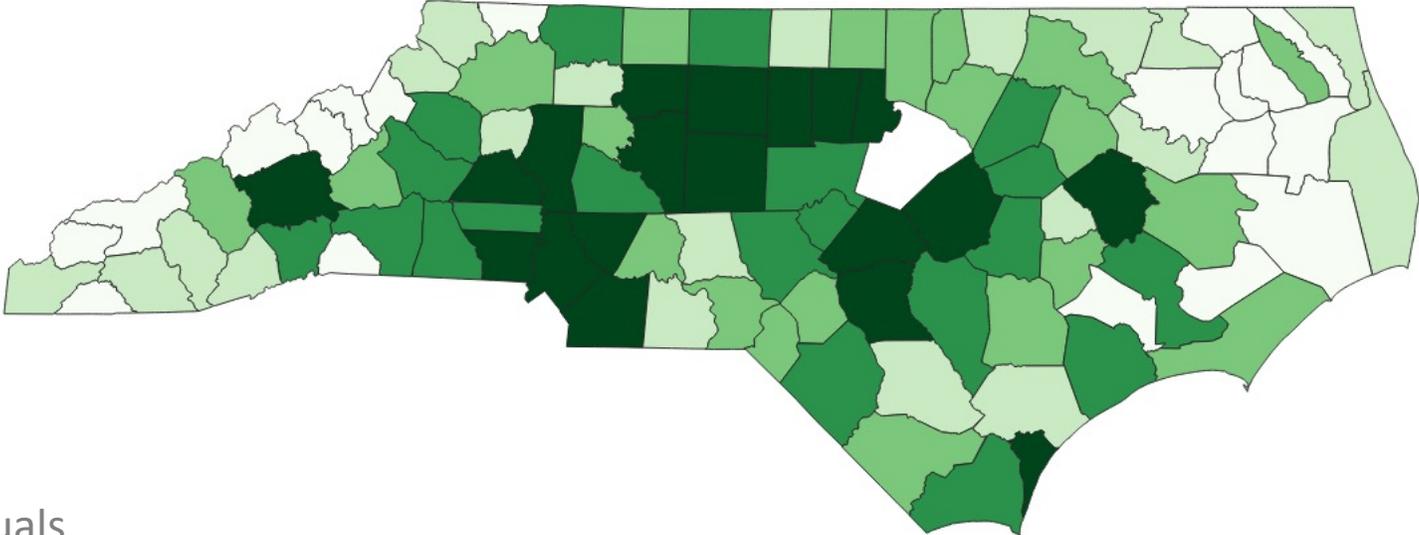


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2018

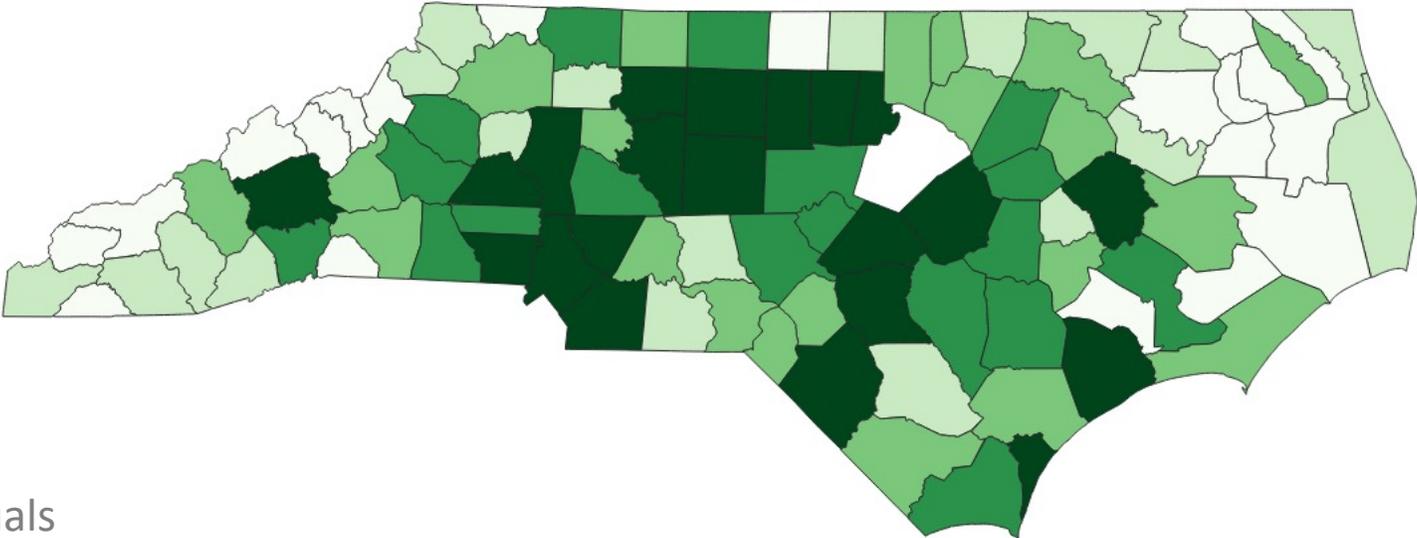


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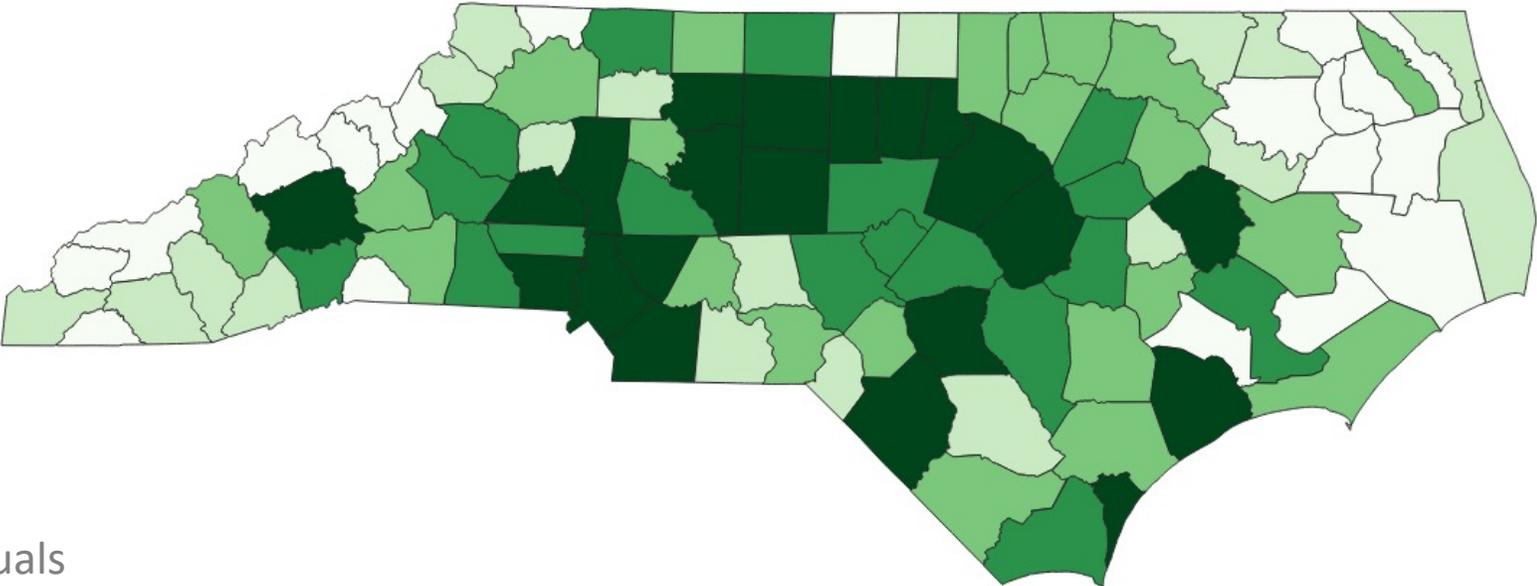


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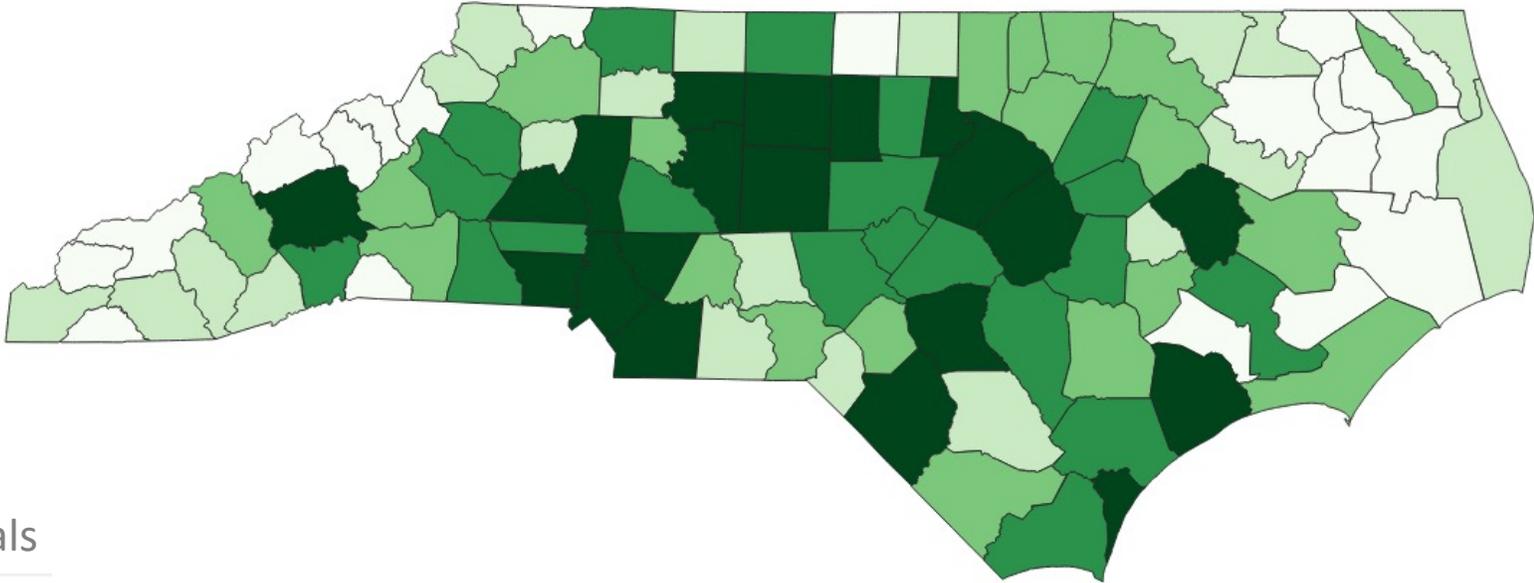


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# Public School Attendance

2021



Number of Individuals

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- 2347 - 5445
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- 19911 - 170723

Though the graphs may not have represented any major effects in the later years with the presence of COVID-19...

We thought it represented something even more important.

There is no question we were all impacted by the effects of COVID-19, but the unchanging trends we found in North Carolina youth education during the transition to a global pandemic represents our ability to adapt and overcome any obstacle.

From online classes to missing valuable time with friends and family, the trends we found are proof that our sacrifices to best maintain our societal structure have worked

Thank you for this opportunity Carolina Across 100.