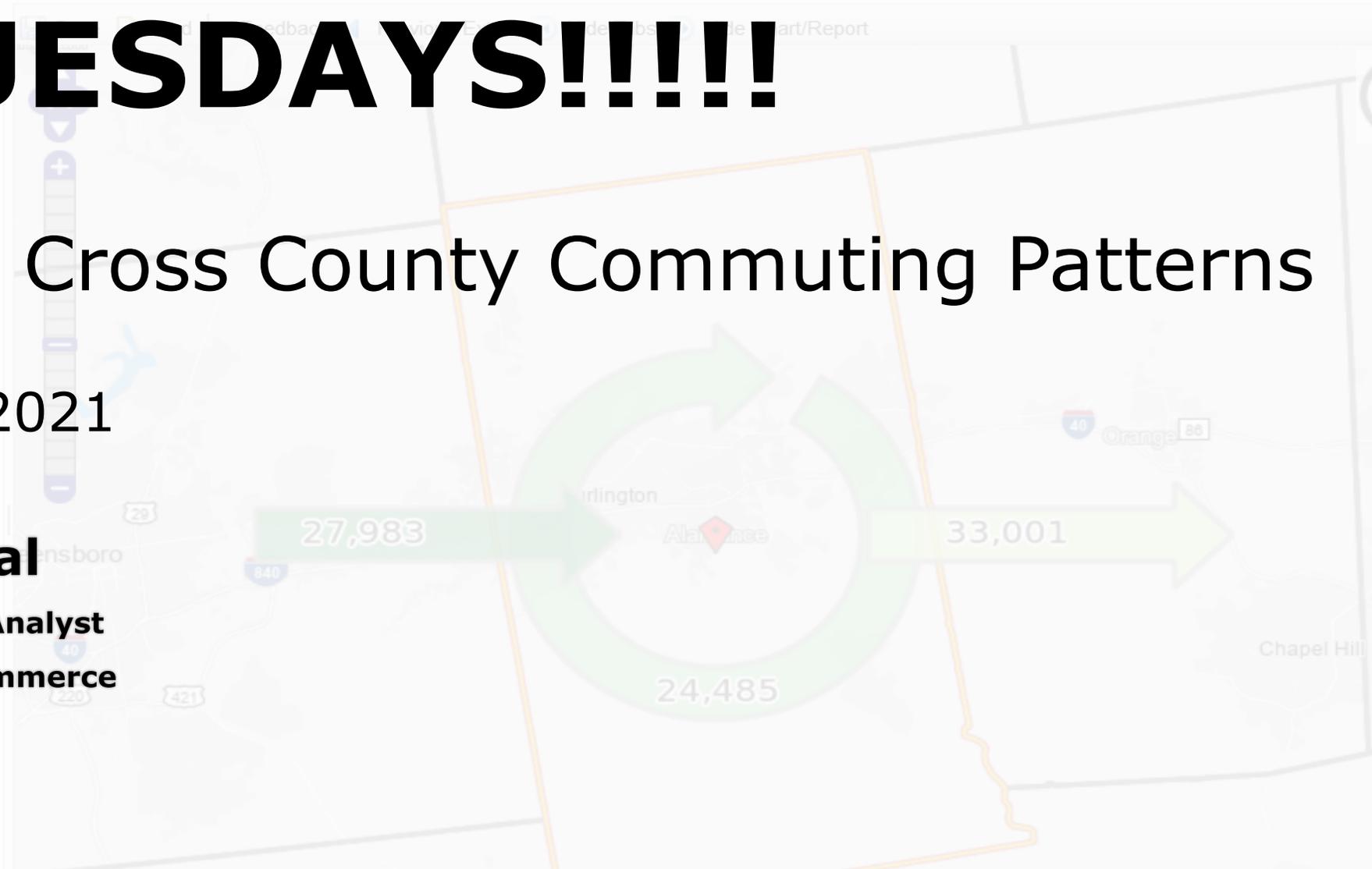


# LMI TUESDAYS!!!!

## Session 10: Cross County Commuting Patterns

September 21, 2021

**Jeff Rosenthal**  
Senior Labor Market Analyst  
NC Department of Commerce



Start | Bar | Map | Selection | Results | ... | Part/Report

Inflow/Outflow Analysis  
enter your own subtitle

▼ Display Settings

Labor Market Segment Filter **All Workers**

Year

▼ Map Controls

Color Key

Flow Overlay

Selection Overlay

Identify | Zoom to Selection

Clear Overlays | Animate Overlays

▼ Report/Map Outputs

Detailed Report

Export Geography

Print Chart/Map

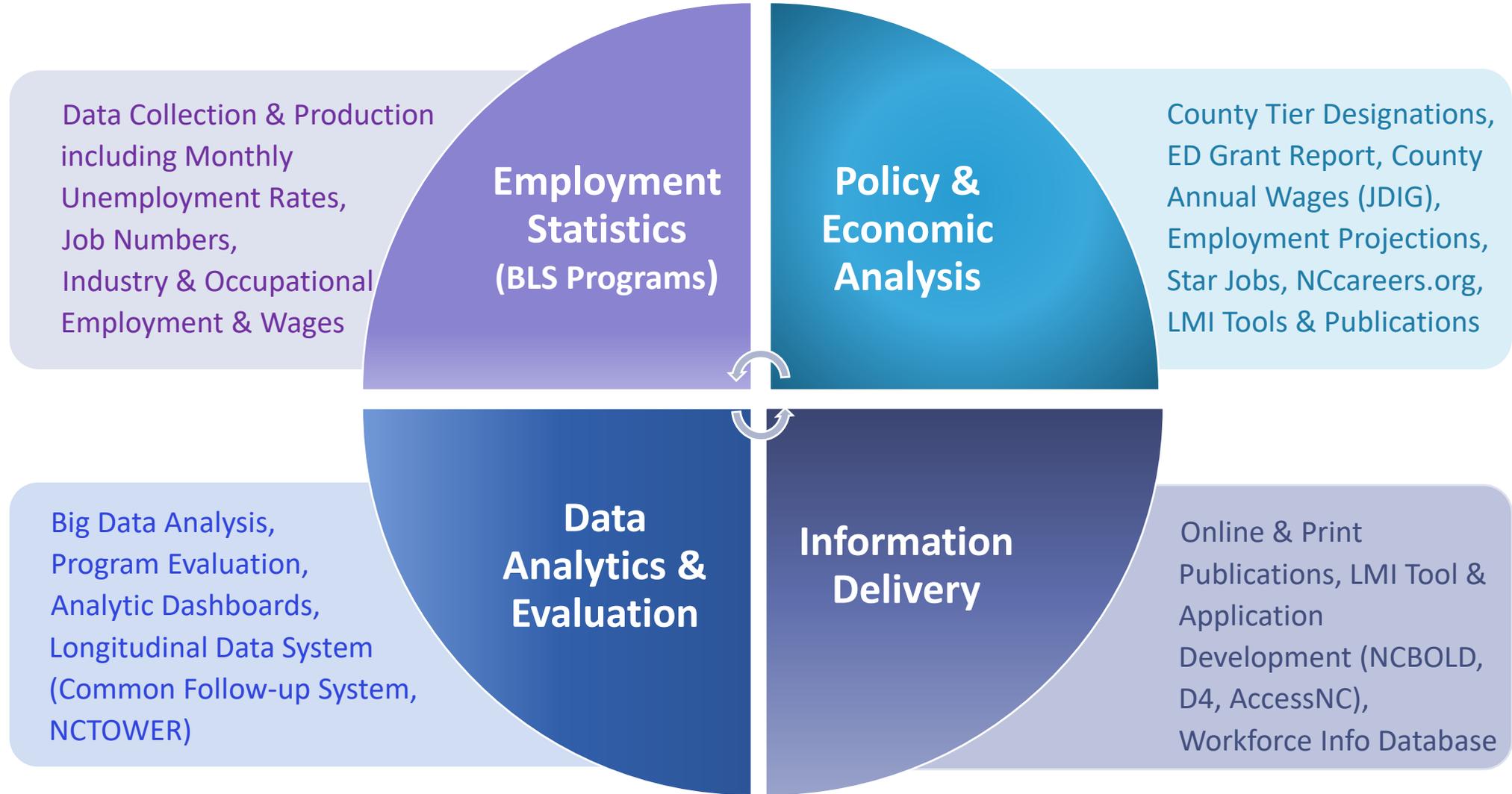
▼ Legends

Note: Overlay arrows do not indicate directionality of worker flow between home and employment locations.

Employed and Live in Selection Area

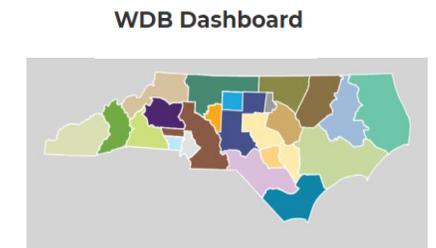
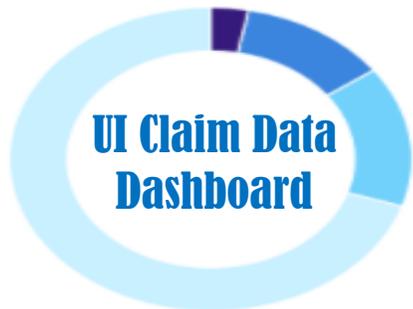
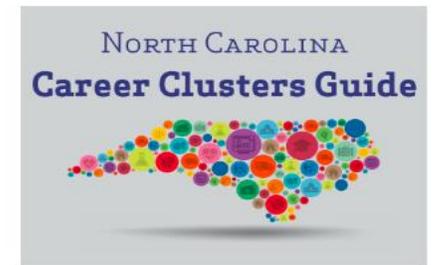


# LEAD TEAMS





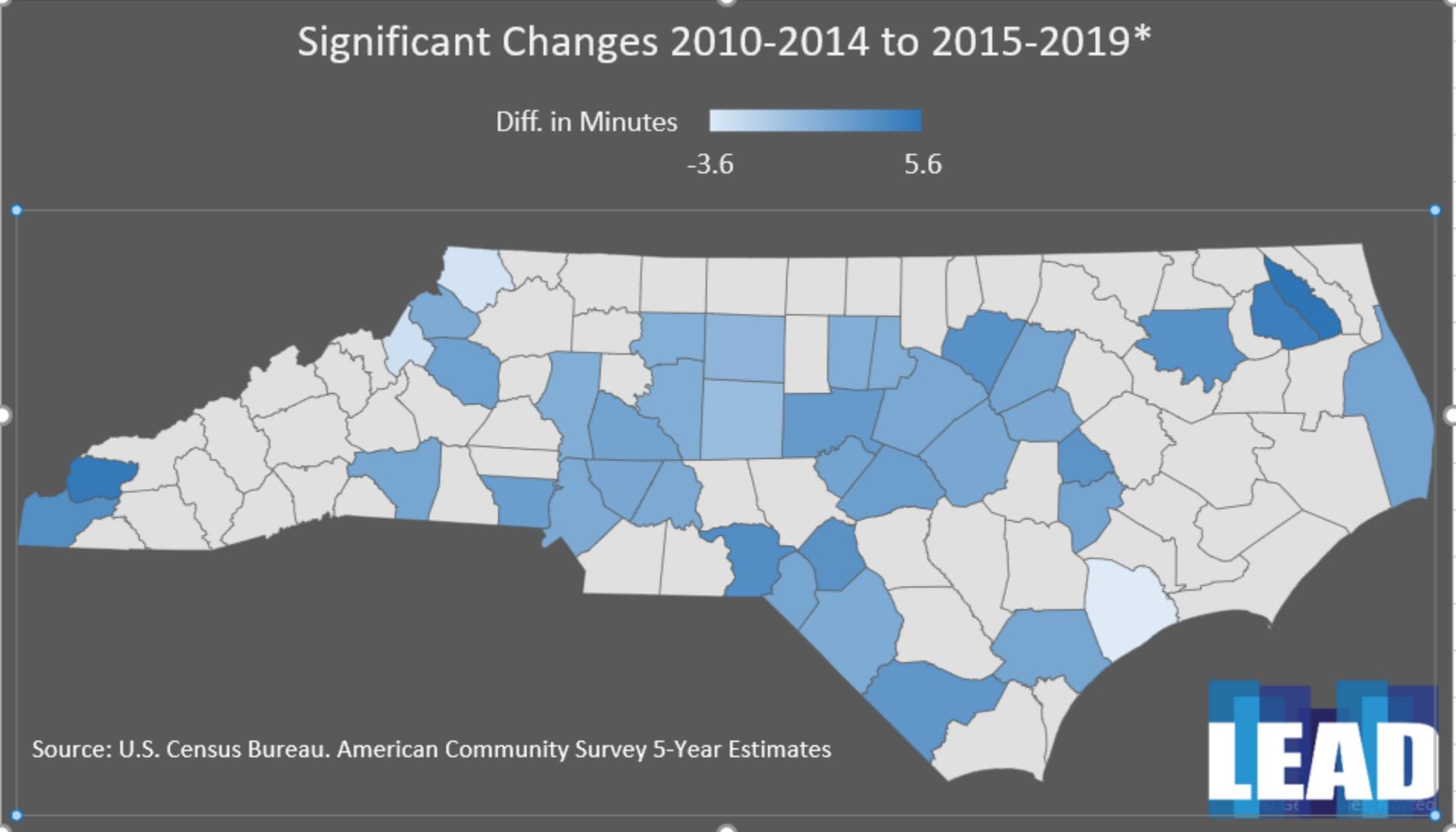
# SAMPLE LIST OF PRODUCTS AND TOOLS



# Goal of our Commuting Research

- **To better understand commuting patterns and labor markets across North Carolina**

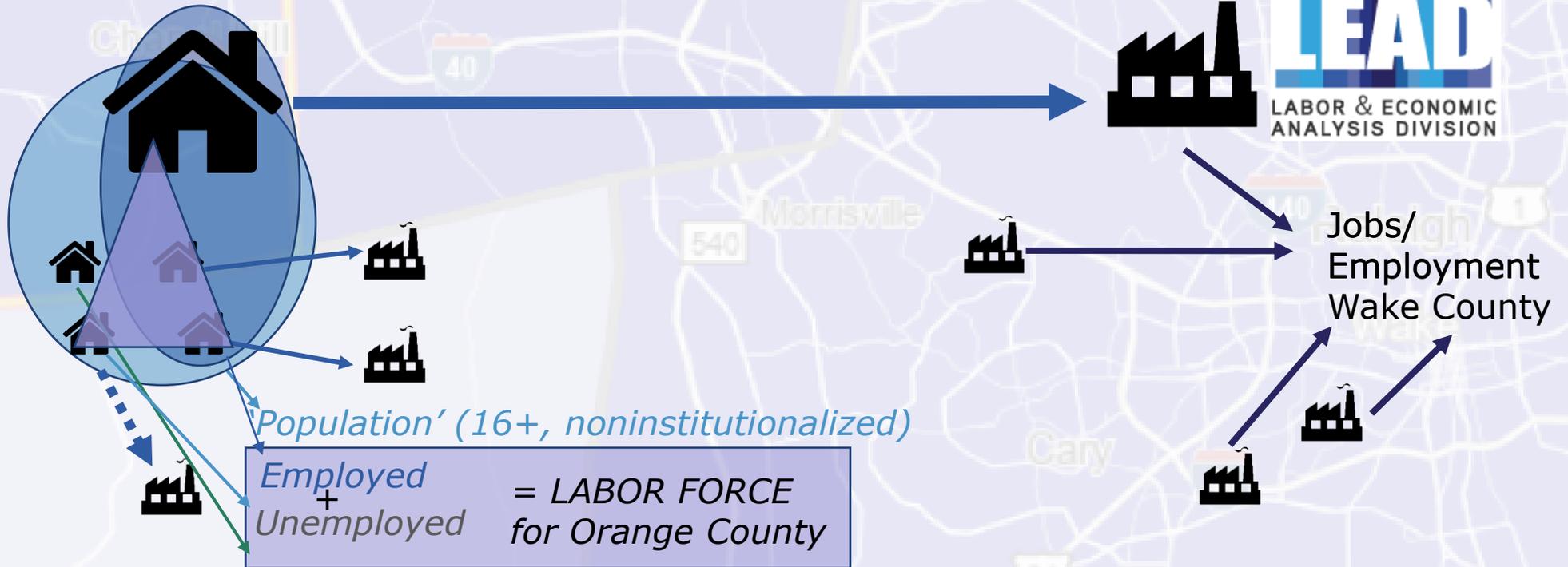
# Mean commuting time and how it has changed



**Do workers live and work in the same county, and if so, how has this relationship changed over time?**

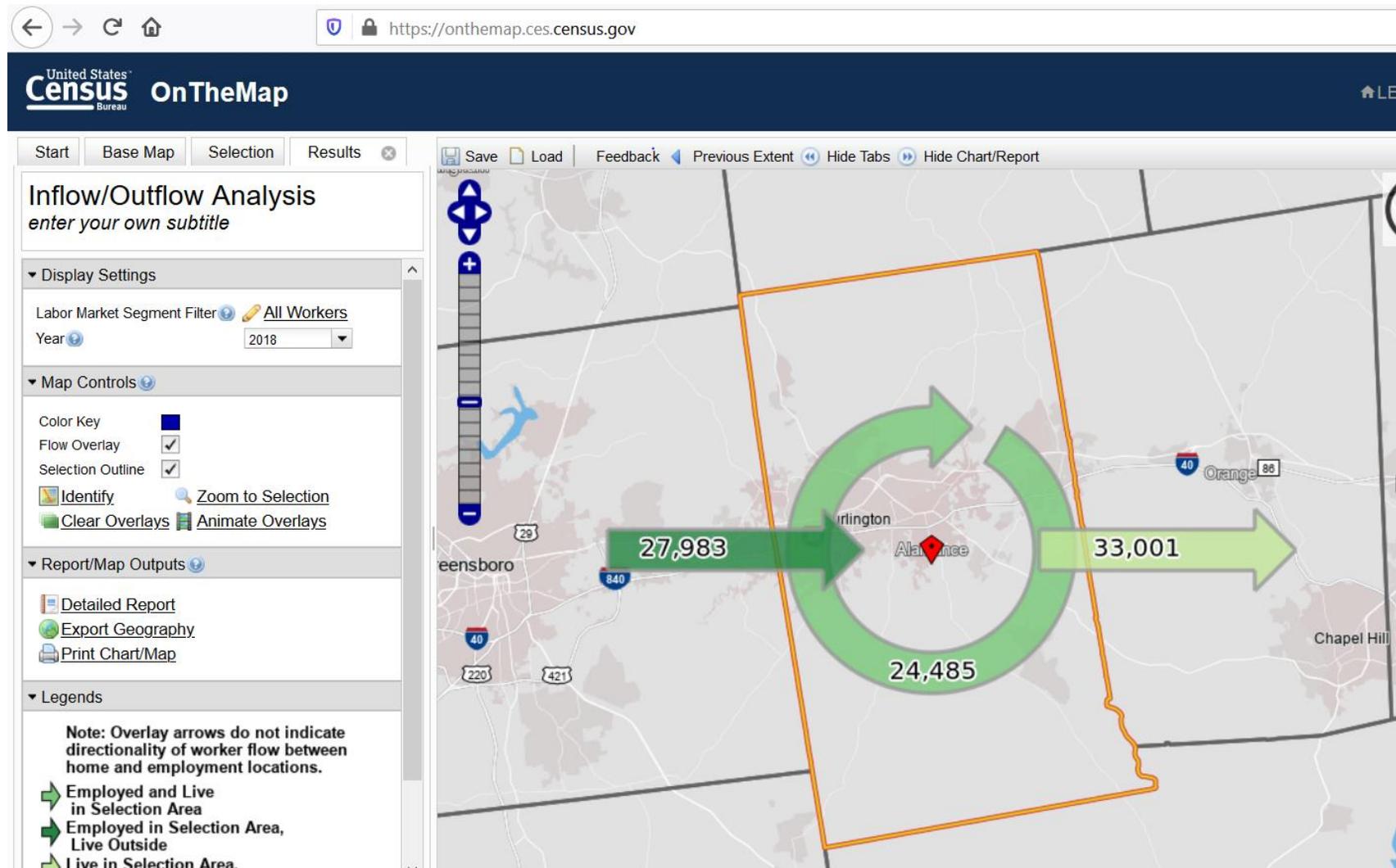
Orange County, NC

Wake County, NC



**Do workers live and work in the same county, and if so, how has this relationship changed over time?**

# Method for work/live in same county

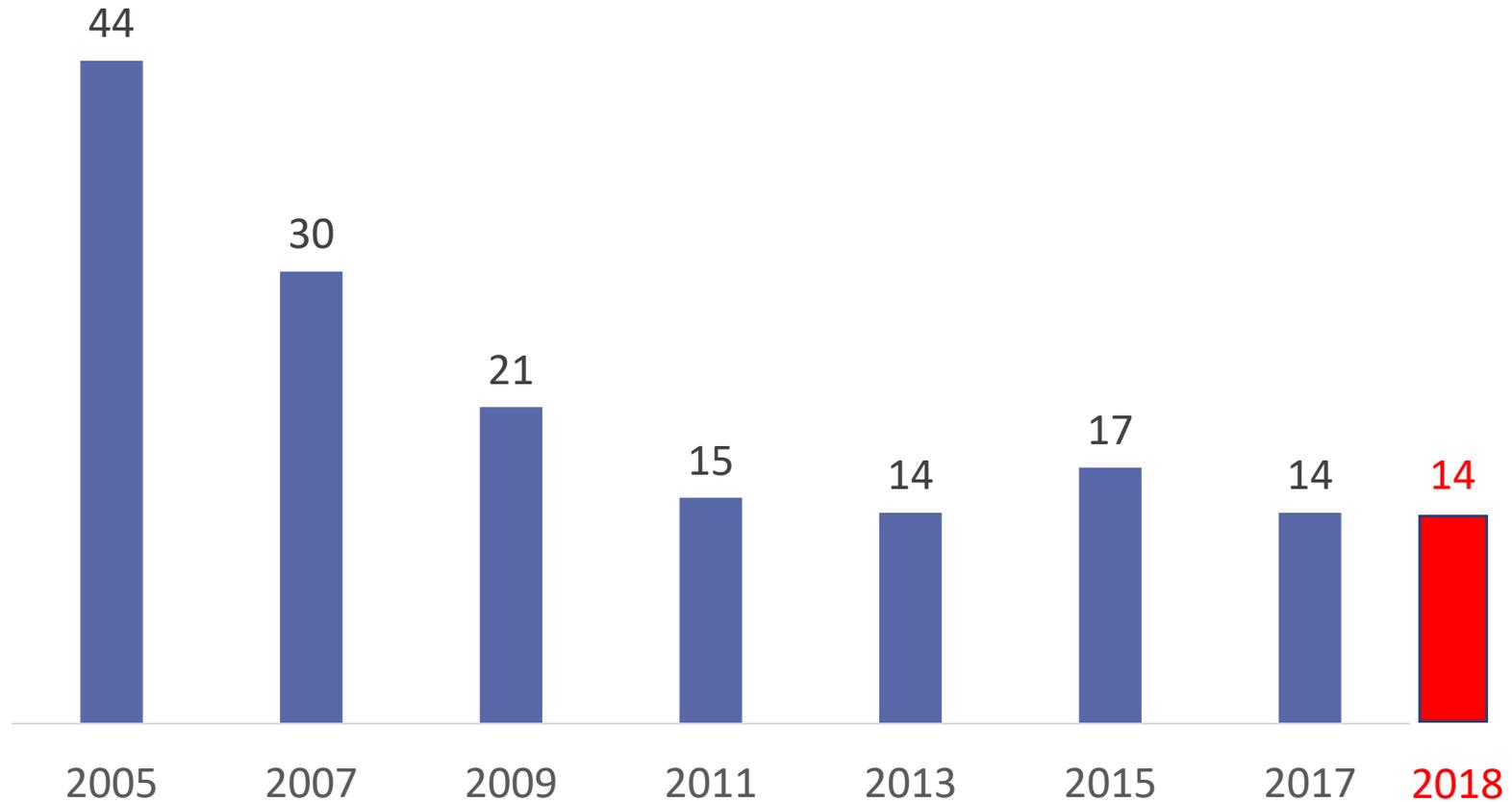


# Method for work/live in same county

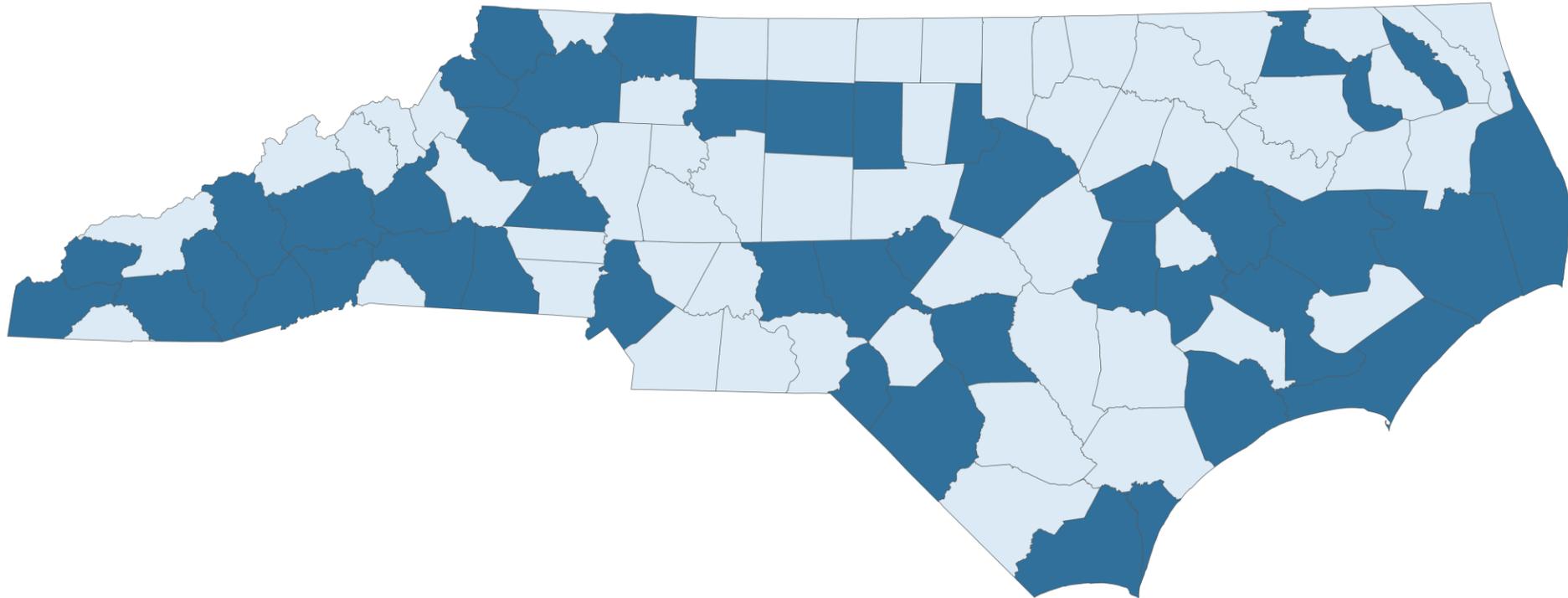
2018 Inflow/Outflow Job Counts (Private Primary Jobs)	Employed in County Live Outside (A)	Employed and Live in County (B)	Live in County Employed Outside (C)	Residents of County Workers (B+C)	Percent (B/(B+C))
Alamance County	27,983	24,485	33,001	57,486	42.6%
Alexander County	4,445	3,344	9,288	12,632	26.5%
Alleghany County	1,107	1,160	1,794	2,954	39.3%
Anson County	2,848	2,028	5,683	7,711	26.3%

# Results for work/live in same county

Number of Counties where majority of worker residents work in the same county they live in



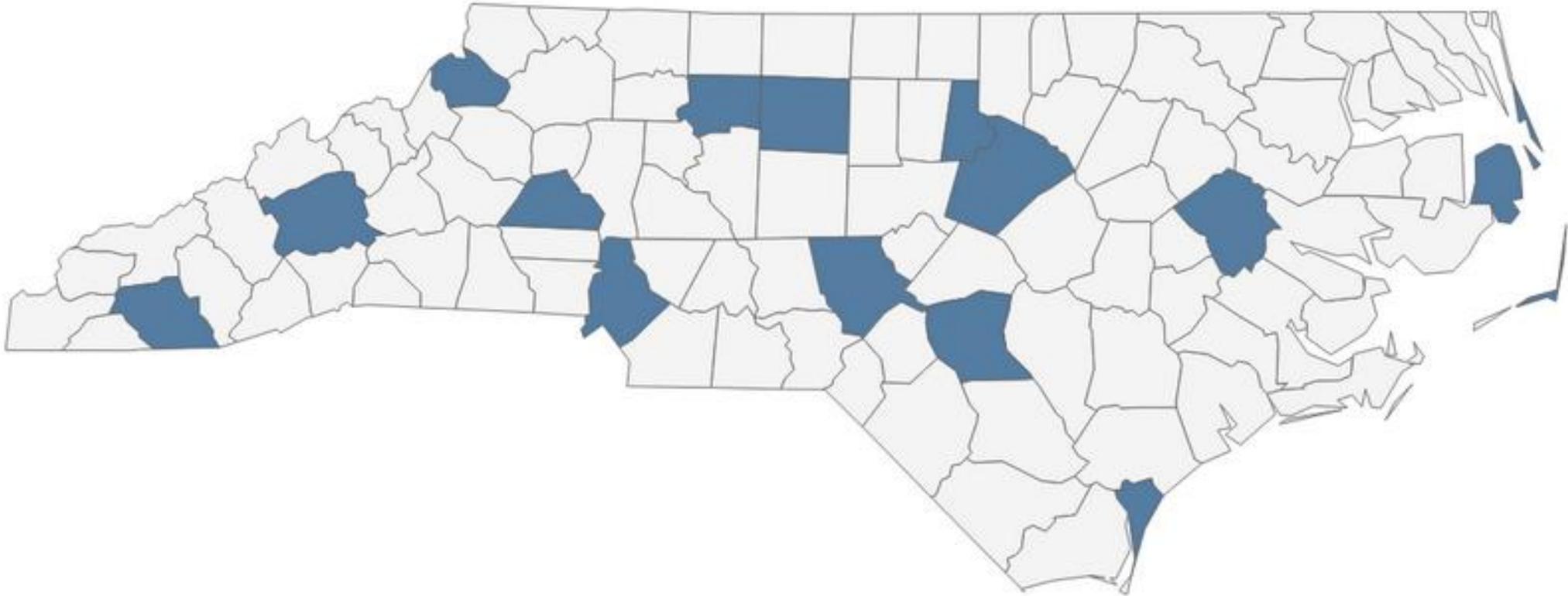
# Results for work/live in same county 2005



Source: U.S. Census Bureau. LODES Private Primary Jobs

Powered by Bing  
© GeoNames, Navteq

# Results for work/live in same county 2018



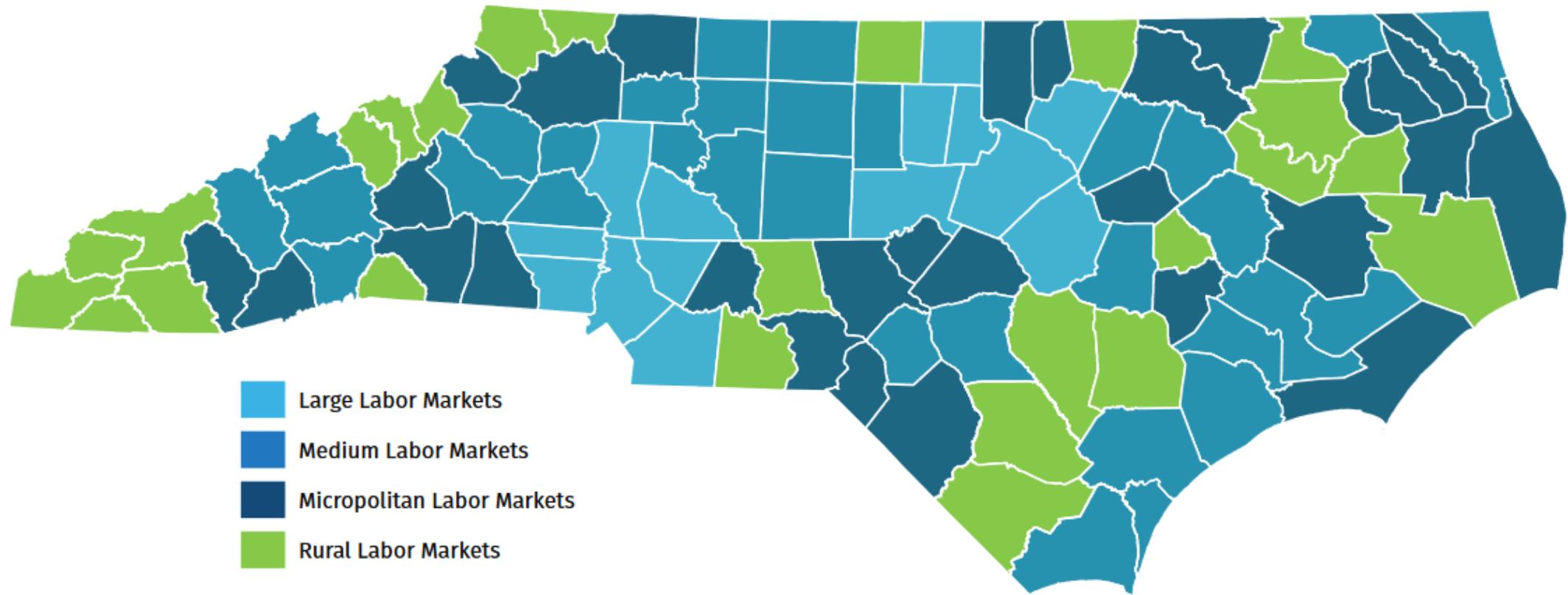
Source: U.S. Census Bureau. LODES Private Primary Jobs

# Question for commuting patterns by labor market

- **What can we learn about the nature of commuting patterns by examining these by size of labor market?**
- **Do workers from large metro areas commute outside their region?**
- **Do workers from smaller sized counties and labor markets commute into larger sized labor markets?**

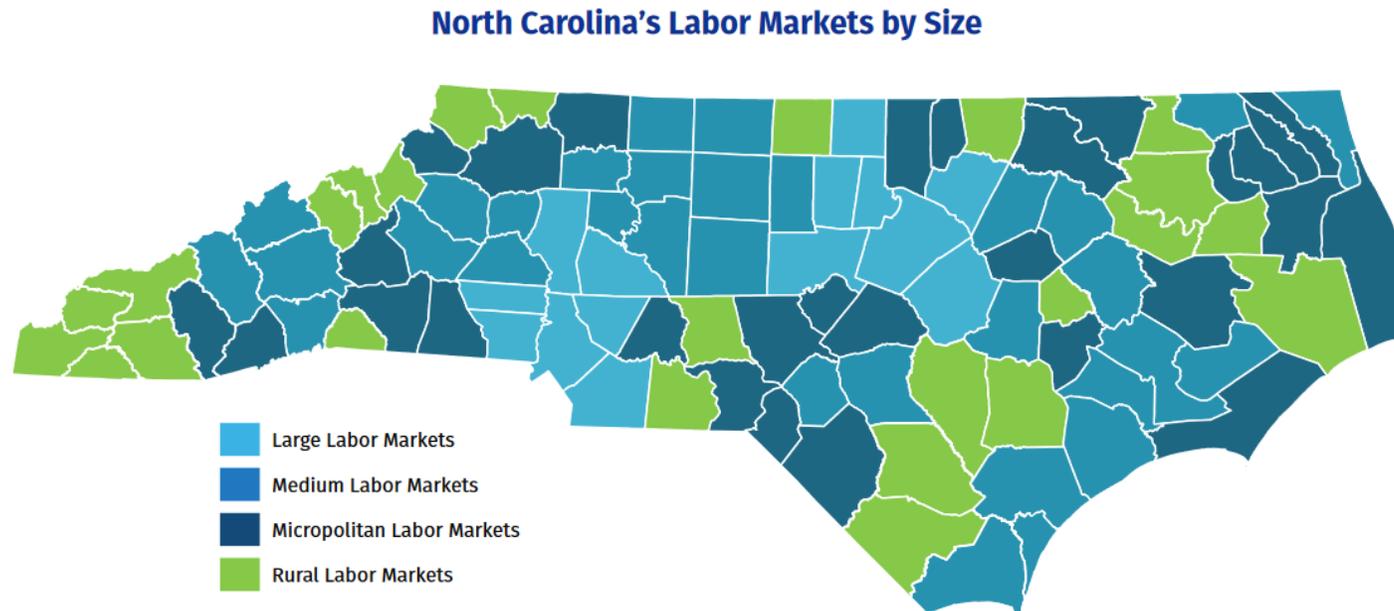
# What do we mean by labor market size?

North Carolina's Labor Markets by Size



# Method for commuting patterns by labor market

- **Mirrored what we did before, but grouped counties in with Labor Market Size**



# Results for commuting patterns by labor market

Lives in....	Works in...	Large	Medium	Micropolitan	Rural
Large		85.7%	9.7%	3.9%	0.7%
Medium		16.4%	74.9%	6.6%	2.1%
Micropolitan		23.0%	21.1%	51.4%	4.6%
Rural		16.6%	24.4%	14.5%	44.4%

Source: U.S. Census Bureau. LODES Private Primary Jobs

# Live and Work in the Same County

Statewide, 47.7% of private primary workers work in the same county they live in.

This varies by Labor Market Size:

Labor Market Size	% Live and Work in Same County
Large	51.4%
Medium	48.0%
Micropolitan	40.8%
Rural	35.4%

Source: U.S. Census Bureau. LODES Private Primary Jobs

# Results for commuting patterns by labor market (work outside home county)

Lives in....	Works in...	Large	Medium	Micropolitan	Rural
Large		70.6%	20.0%	8.0%	1.4%
Medium		31.5%	51.7%	12.6%	4.1%
Micropolitan		38.8%	35.6%	17.8%	7.8%
Rural		25.8%	37.8%	22.5%	14.0%

Source: U.S. Census Bureau. LODES Private Primary Jobs

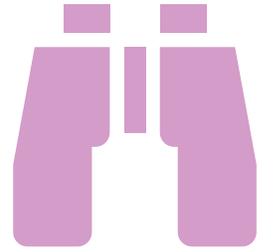
# Results for commuting patterns by labor market

Workers in Rural and Micropolitan areas are:

- more likely to work in a different county than their residence
- more likely to drive to larger labor markets to work.

This process does not work in reverse.

# Future Research



- **Continue to monitor Interconnected Markets**
- **How commuting patterns relate to industrial patterns**
- **How commuting patterns relate to population growth or decline**
- **Watch Working from Home**

# Using OnTheMap

**Type in Onthemap (one word) into any search engine**

**or**

<https://onthemap.ces.census.gov/>

# Topic for October 5

## **Session 11: Behold- the updated D4!**

This session will showcase how to get data by using our updated Demand Driven Data Delivery (D4) system.

# Questions?

# Thank You!



NC DEPARTMENT  
of COMMERCE  
LABOR & ECONOMIC  
ANALYSIS

Jeff Rosenthal

[jeff.rosenthal@nccommerce.com](mailto:jeff.rosenthal@nccommerce.com)



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