



LMI Tuesday

Session 2022-2: What is the difference between LEAD data and other sources?

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Jeff Rosenthal

Senior Labor Market Analyst

Labor & Economic Analysis Division

NC Department of Commerce

Jamie Vaughn

Senior Analyst for Market Intelligence

Labor & Economic Analysis Division

NC Department of Commerce

Sources of LMI data

Sources from LEAD:



Sources of other governmental agencies:



Private Sources of data:



Data from Government Sources

- Governmental Agencies are mostly the generators of the data
 - Collection
 - Analysis
 - Distribution
- Must abide by laws
 - Guidelines
 - Confidentiality/Suppression
 - Consistency
- Limited geographies available
- State data is combined to generate regional and national numbers

What about NCWorks?

NCWorks has a mix of Governmental LMI and their own real-time data

Governmental Data	NCWorks Generated Real-Time Data	Hybrid Data
Unemployment Rate (LAUS)	Top Industries with Job Openings	Unemployed per Job Opening
Current Employment Statistics (CES)	Occupations by Advertised Salary	Ed. Level of Job & Candidates
Industry Employment (QCEW)	Jobs Available	
Industry Wages (QCEW)	Job Candidates Available	
Occupational Wages (OEWS)	Job Candidates by Occupational Group	
Population (Census)	Advertised Job Skills	
Income (Census)	Advertised Tools and Technology	
Industry & Occupation Projections (LEAD)	Employers by Number of Job Openings	
Labor Force (LAUS)	Candidates per Job	

Always look at the source..

Employment Wage Statistics



This section shows estimated average wage information for Q2 2021.

Click a column title to sort.

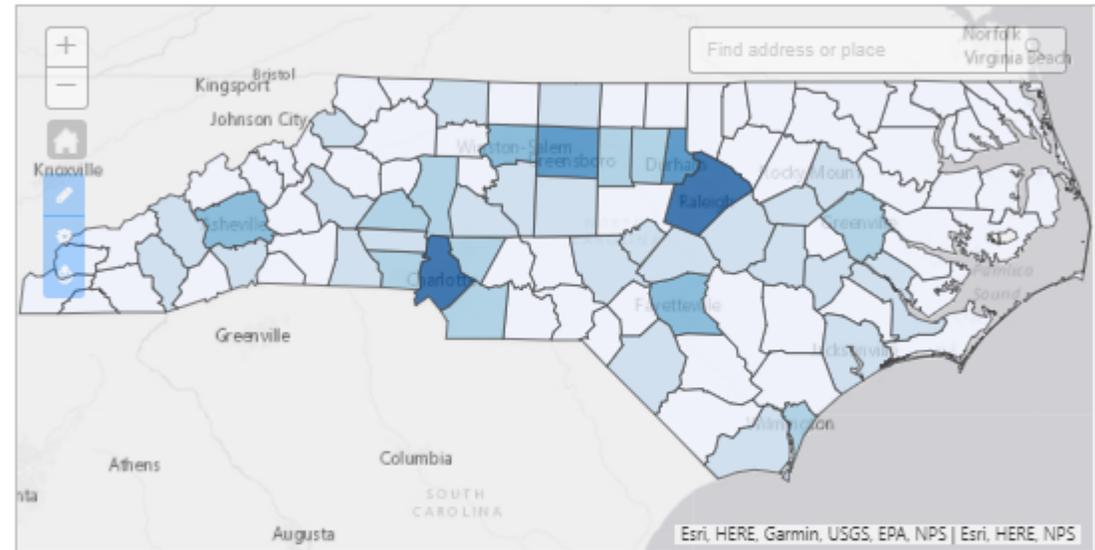
Area	Number of Employees	Average Hourly Wage†	Average Weekly Wage	Average Annual Wage†
Wake County	579,409	\$32.03	\$1,281	\$66,612
Raleigh, NC MSA	644,679	\$30.98	\$1,239	\$64,428
Capital Area WDB	632,505	\$31.13	\$1,245	\$64,740
North Central Region	1,140,133	\$30.48	\$1,219	\$63,388
North Carolina	4,485,571	\$27.30	\$1,092	\$56,784

† Assumes a 40-hour week worked the year round.

Source: Labor & Economic Analysis Division, Quarterly Census of Employment and Wages (QCEW) Program

Jobs Area Distribution

This section shows the distribution number of job openings advertised online in North Carolina by counties on January 10, 2022 ([Jobs De-duplication Level 2](#)).



Source: Online advertised jobs data

Data from Private Sources

- Provide data at geographies not available through Government Sources
 - Start with publicly available Government Data sources
 - Economists apply formulas to “estimate” values at smaller geographies
- Perform additional analysis
 - Custom geographies
 - Drive-time or distance radius
 - Comparison of different areas
- Often a one-stop shop for multiple data points
 - Package data nicely for quick sharing
 - PDF / Word / Excel / CSV

Emsi Economy Overview

Greenville, NC

U.S. Census Bureau Data

Emsi Analysis

Multiple Sources

Economy Overview

182,924

Population (2020)

Population grew by 6,746 over the last 5 years and is projected to grow by 6,951 over the next 5 years.

83,404

Total Regional Employment

Jobs decreased by 7 over the last 5 years but are projected to grow by 3,120 over the next 5 years.

\$47.4K

Median Household Income (2019)

Median household income is \$15.4K below the national median household income of \$62.8K.

Takeaways

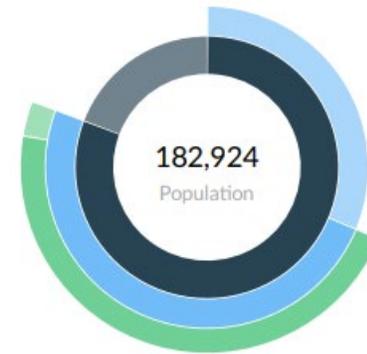
- As of 2020 the region's population increased by 3.8% since 2015, growing by 6,746. Population is expected to increase by 3.8% between 2020 and 2025, adding 6,951.
- From 2015 to 2020, jobs declined by 0.0% in Greenville, NC from 83,411 to 83,404. As the number of jobs declined, the labor force participation rate decreased from 62.0% to 61.3% between 2015 and 2020.
- Concerning educational attainment, 20.8% of Greenville, NC residents possess a Bachelor's Degree (0.7% above the national average), and 12.0% hold an Associate's Degree (3.4% above the national average).
- The top three industries in 2020 are Education and Hospitals (Local Government), Education and Hospitals (State Government), and Restaurants and Other Eating Places.

	Population (2020)	Labor Force (2020)	Jobs (2020)	Cost of Living	GRP	Imports	Exports
Region	182,924	90,471	83,404	94.3	\$8.23B	\$9.78B	\$9.56B
Nation	329,484,123	159,724,262	158,257,411	100.0	\$20.62T	\$0	\$10.12T

Emsi Economy Overview

Greenville, NC

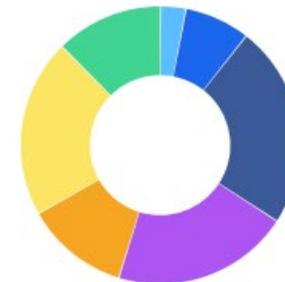
Dec 2020 Labor Force Breakdown



	Population
16+ Civilian Non-Institutionalized Population	147,592
Not in Labor Force (16+)	57,121
Labor Force	90,471
Employed	84,894
Unemployed	5,577
Under 16, Military, and institutionalized Population	35,332

Educational Attainment

Concerning educational attainment, 20.8% of Greenville, NC residents possess a Bachelor's Degree (0.7% above the national average), and 12.0% hold an Associate's Degree (3.4% above the national average).



	% of Population	Population
Less Than 9th Grade	2.9%	3,309
9th Grade to 12th Grade	7.6%	8,596
High School Diploma	23.6%	26,664
Some College	20.6%	23,292
Associate's Degree	12.0%	13,604
Bachelor's Degree	20.8%	23,483
Graduate Degree and Higher	12.5%	14,109

U.S. Census Bureau Data

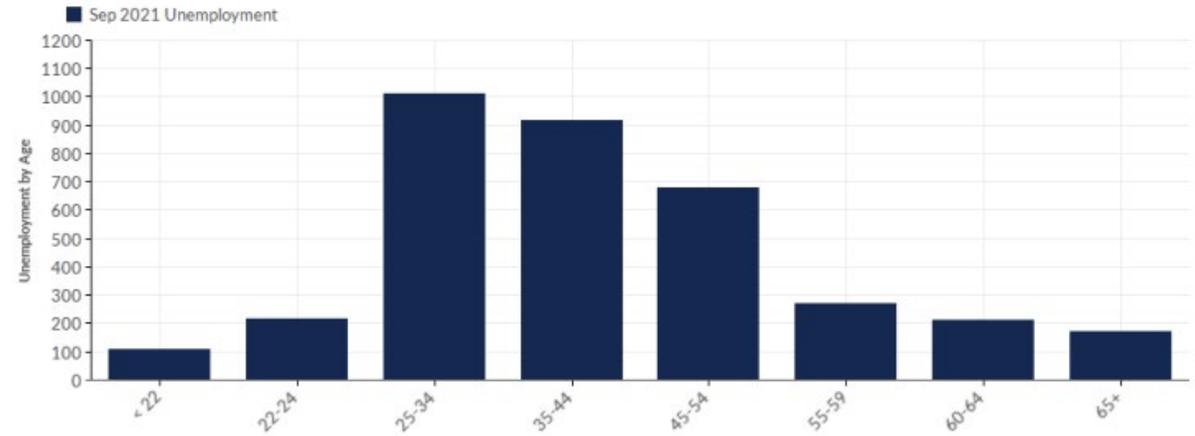
Emsi Economy Overview

Greenville, NC

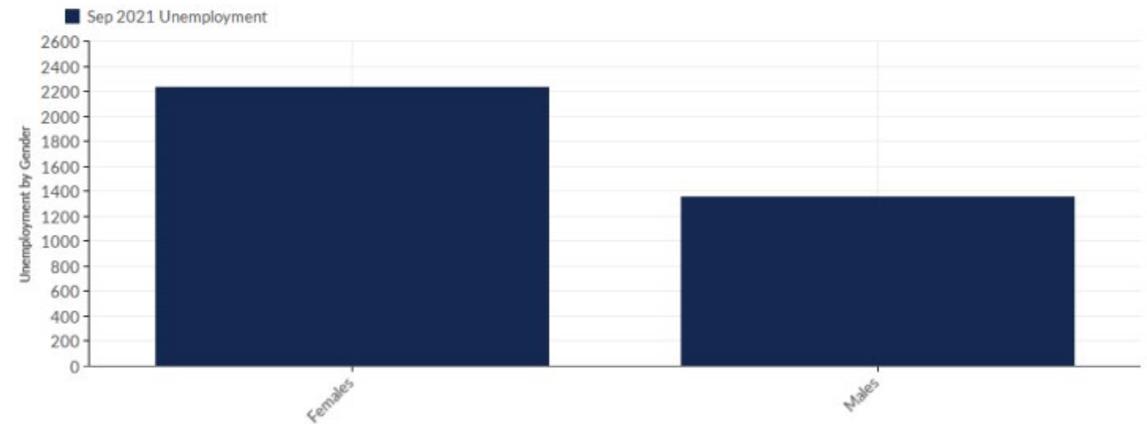
Emsi estimates from LAUS data

Unemployment by Demographics

Unemployment by Age



Unemployment by Gender



Emsi Economy Overview

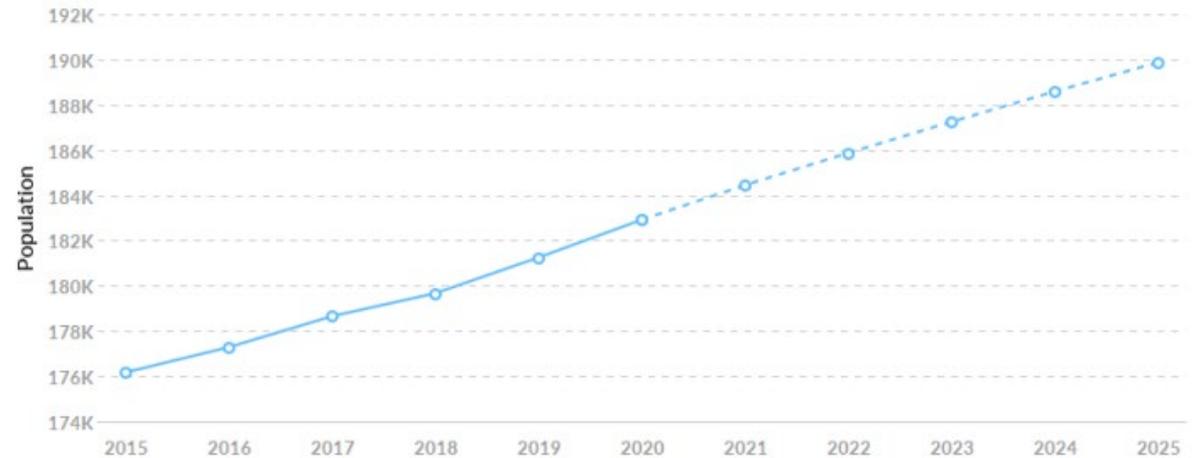
Greenville, NC

Available from OSBM – Facts and Figures

Historic & Projected Trends

Population Trends

As of 2020 the region's population increased by 3.8% since 2015, growing by 6,746. Population is expected to increase by 3.8% between 2020 and 2025, adding 6,951.



Compare D4 data with EMSI (example A)

- *Plumbers in Tyrrell County, NC*

- D4:

- (no data available at this level- part of Northeast Coastal NC Nonmetropolitan Area):
- Plumbers, Pipefitters, and Steamfitters (SOC 47-2152): **360** in [14 county region](#) (May 2020)

- EMSI:

- **13** if check 'employees' (14 if we include 'self-employed') (2020 data)
- They also have demographic details like: 4/12 of these jobs are held by people under age 35, and also race/ethnicity, gender, and (at national level)- Educational Attainment

Compare D4 data with EMSI (example B)

- *Veterinarians in Raleigh MSA*

- D4:

- Veterinarians (SOC 29-1131): **610** (May 2020)

- EMSI:

- **639** if check 'employees' (697 if we include 'self-employed') (2020 data)
- They also have demographic details and industry details

When to Use Governmental Data or Private Data

Governmental Source	Private Source
Always....(if you can)	When you can't use governmental data
Roadblocks:	When you do not have time and/or expertise to use governmental data.
Geography does not match up or is too small	
Time period does not match up, often too current or in future	
2020 (for ACS, at least)	



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ANALYSIS

Questions?

Jamie Vaughn

jamie.vaughn@nccommerce.com

Jeff Rosenthal

jeff.rosenthal@nccommerce.com



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Topic for February 1

Session 2022-3: Non-Covered Work

What is non-covered work, and how do we get data on it?



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Thank You!

Jamie Vaughn

jamie.vaughn@nccommerce.com

Jeff Rosenthal

jeff.rosenthal@nccommerce.com



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