

LMI TUESDAYS!!!!!!

Session 2023-11: A review of the latest
Occupational Information in OEWS

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Agenda

- **Primer on Occupations**
- **Latest Release of Occupational Data**
- **How can we work with this data?**

Primer on Occupations

What are Occupations?

- (Merriam-Webster) 'an activity in which one engages'; 'principal business of one's life: VOCATION
- aggregation of jobs based on similar tasks that can cut across organizations and industries

How are they classified?

- **Standard Occupational Classification System (SOC)** vv-wxxy
 - vv: Major Group- (23)
 - 11-0000 Management
 - 13-0000 Business and Financial Operations
 - w: Minor Group (98)
 - x: Broad Occupation (459)
 - y: Detailed Occupation (867)
- **O*NET**- vv-wxxy.zz

How are they classified?

- Fast Food and Counter Workers 35-3023
 - 35: Major Group-
 - 35-0000 Food Preparation and Serving Related
 - 3: Minor Group- Food and Beverage Serving Workers
 - 02: Broad Occupation- Fast Food and Counter Workers
 - 3: Detailed Occupation- Fast Food and Counter Workers
- O*NET- 35-3023.01-- Barista

Selected Sources of Occupational Information

What is the occupational structure and substantive information about each occupation?:

- Standard Occupational Classification ([SOC](#))
- Occupational Information Network ([O*NET](#))
- [NCcareers.org](#)

How many people are working in occupations in my county, and what are their demographics?

- American Community Survey ([ACS](#))

How many jobs are in an occupation in my area, and how much do these jobs pay?

- Occupational Employment & Wage Statistics ([OEWS](#))

Premier source of Occupational Information in North Carolina: [OEWS](#) (seen in [D4](#))

Questions to learn about the OEWS program:

1. Who?
2. What?
3. Where?
4. When?
5. Why?
6. How?

OEWS Who? (carries out the work)

Federal [Department of Labor's Bureau of Labor Statistics](#) produces this data at the [national level](#) with the help of state partners collecting data for their particular states.

North Carolina's state partner for this program is the NC Department of Commerce, and it is carried out through the hard dedicated work of those in the Occupational Analysis Team in LEAD.

OEWS Who? (are providing information)

We take a sample of establishments (chosen by the national office)

- From our Quarterly Census of Employment & Wages
 - Therefore, UI-covered employment
- Approximately 6,700 establishments across the industry structure across all regions in North Carolina

OEWS What?

The information we collect (and compile and provide) includes:

- Number of workers with particular job titles
- Description of tasks on the jobs
- Wage rate of these workers

Why the description of tasks?

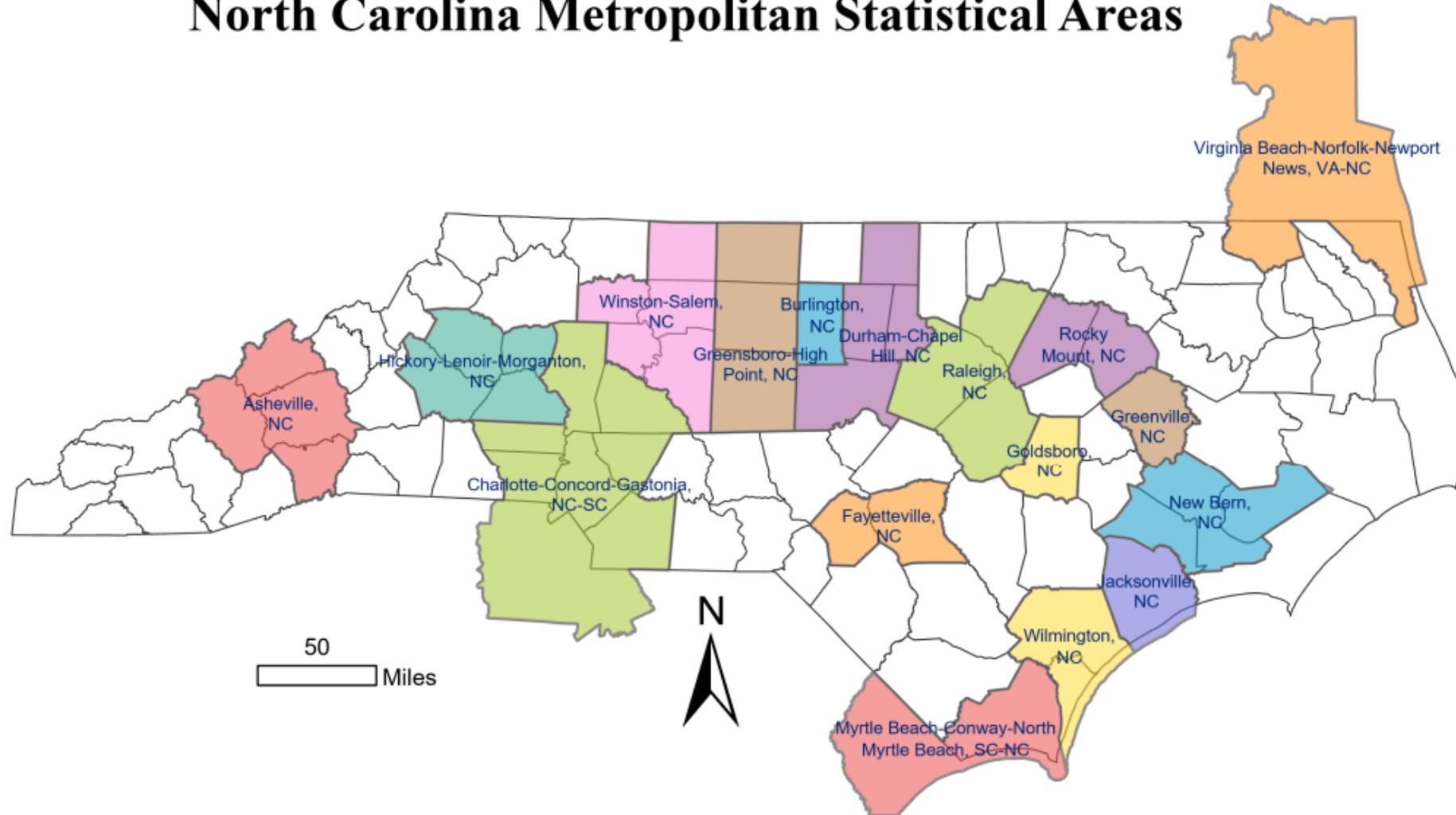
- We need to code these occupations.

OEWS Where?

National level, but also State, Metropolitan Statistical Area, and Balance of State regions

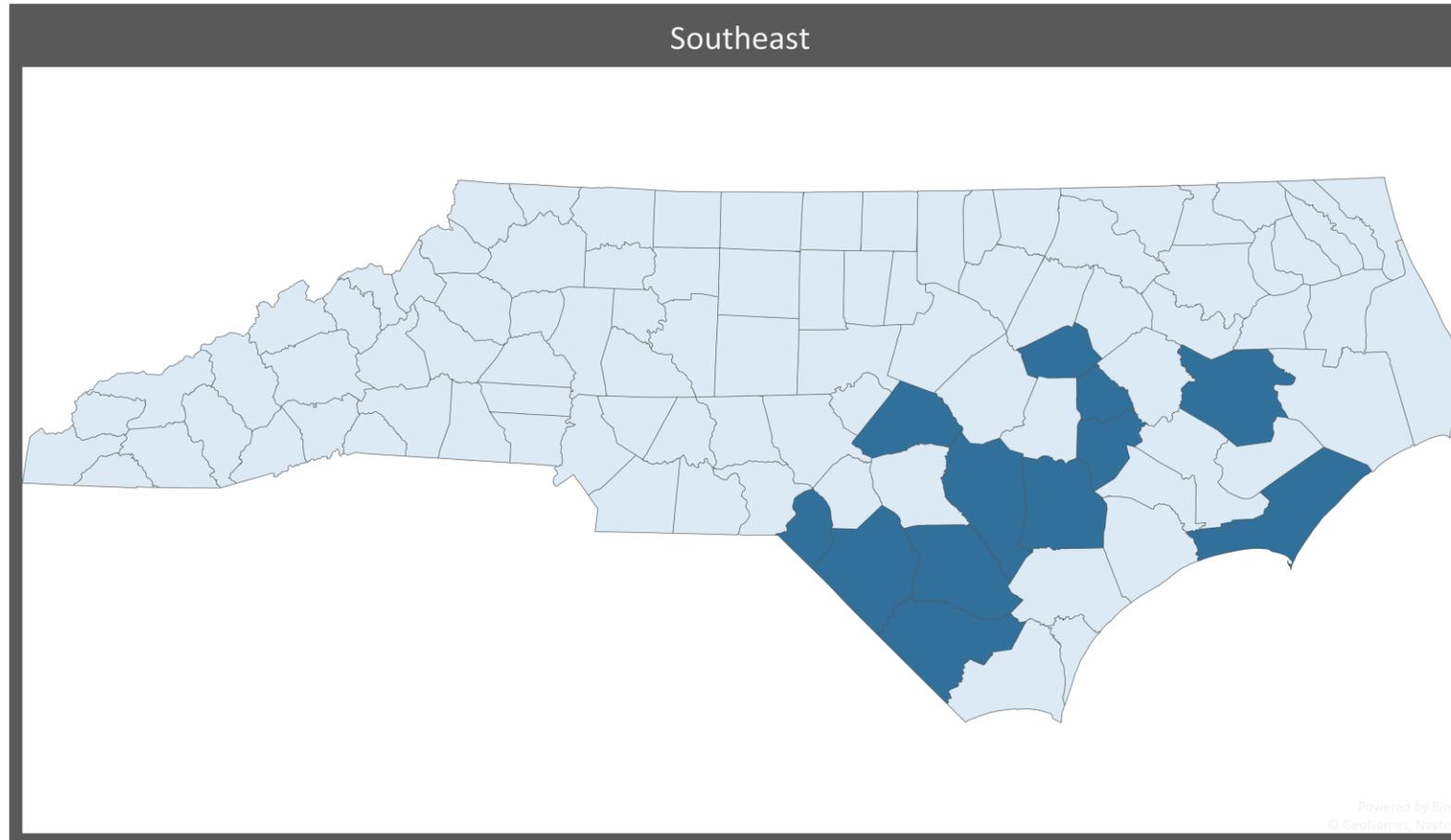
OEWS Where? Metropolitan Statistical Areas

North Carolina Metropolitan Statistical Areas



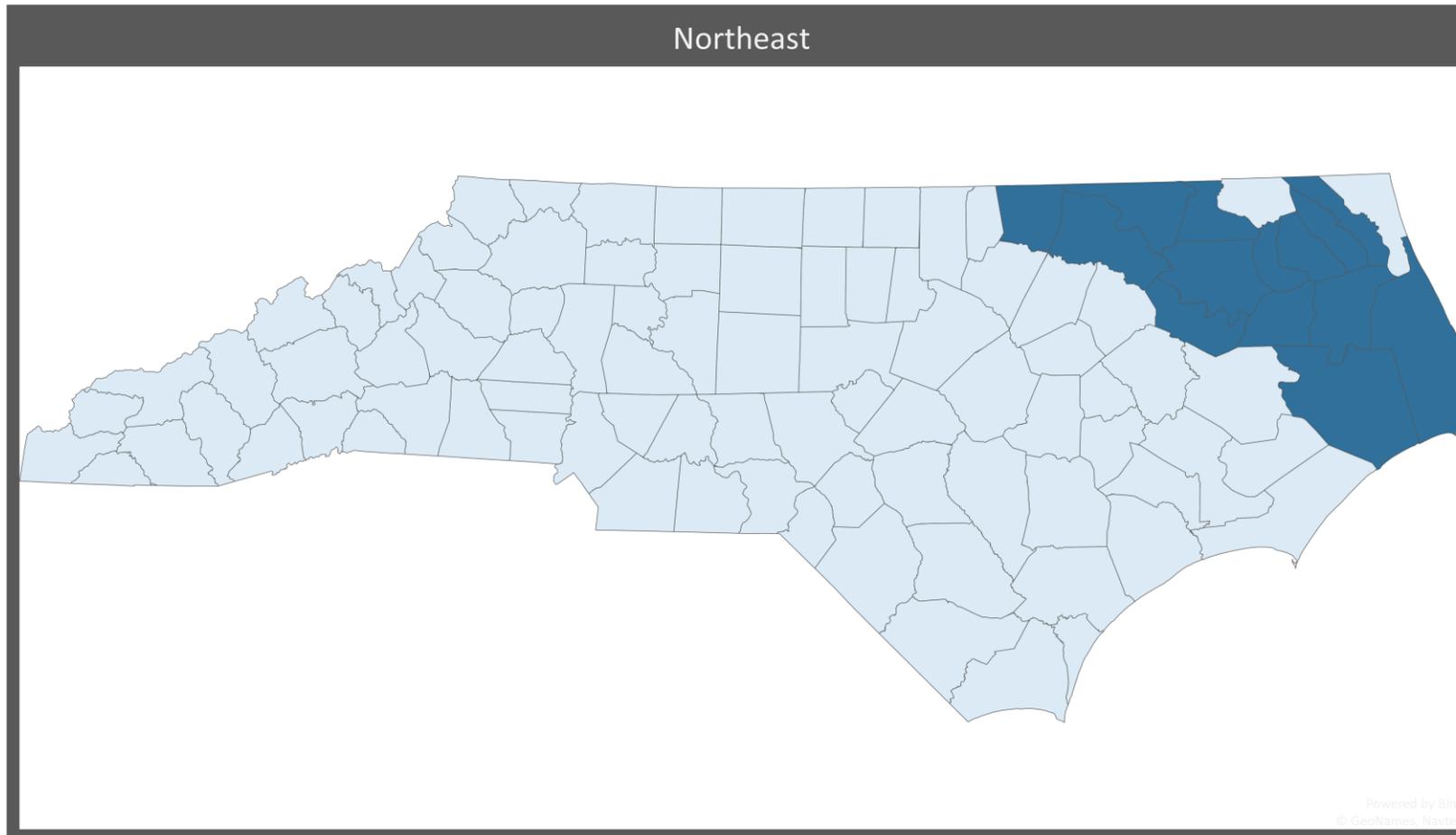
OEWS Where? Balance of State areas

Southeast Coastal North Carolina nonmetropolitan area



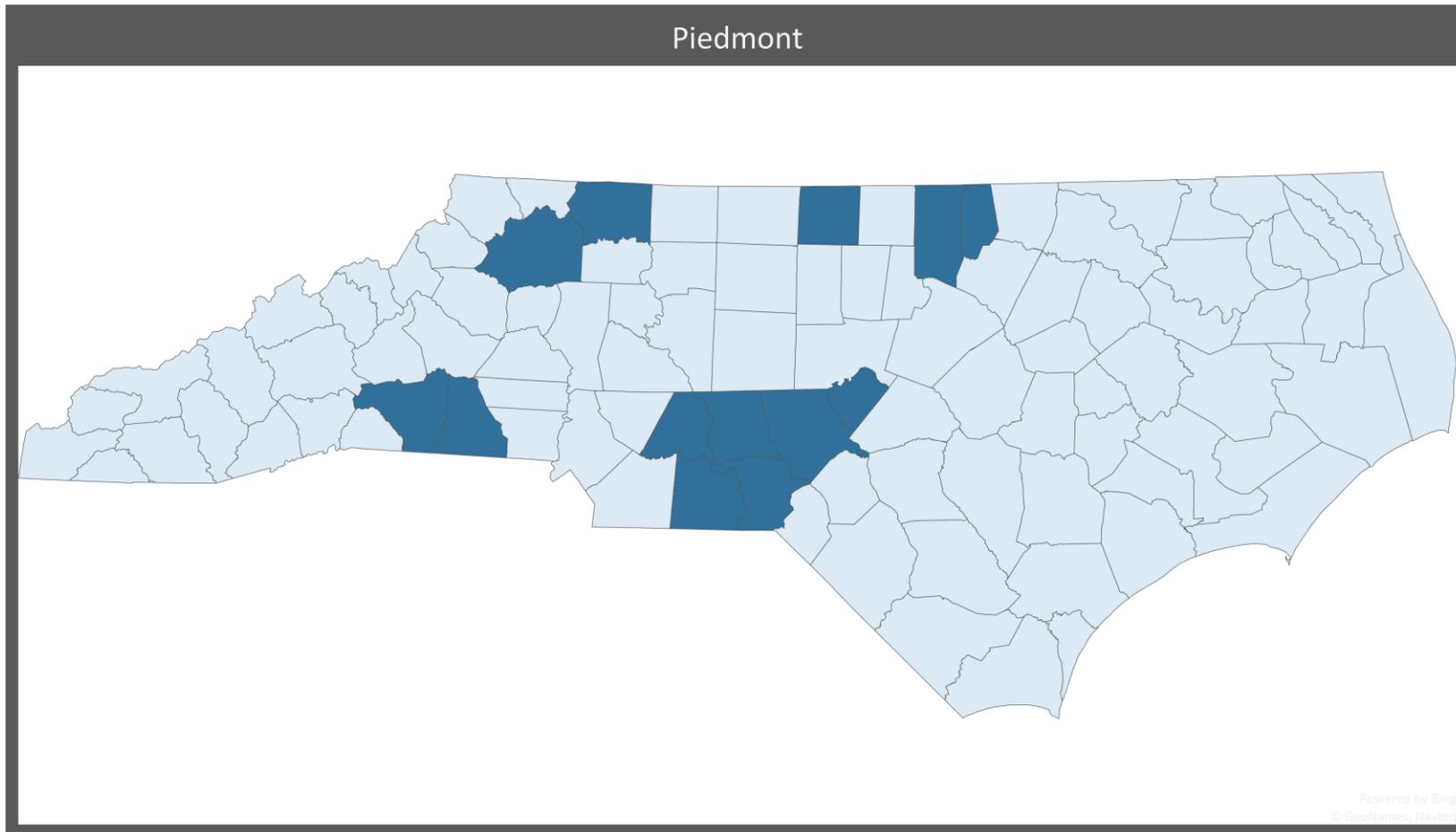
OEWS Where? Balance of State areas

Northeast Coastal North Carolina nonmetropolitan area



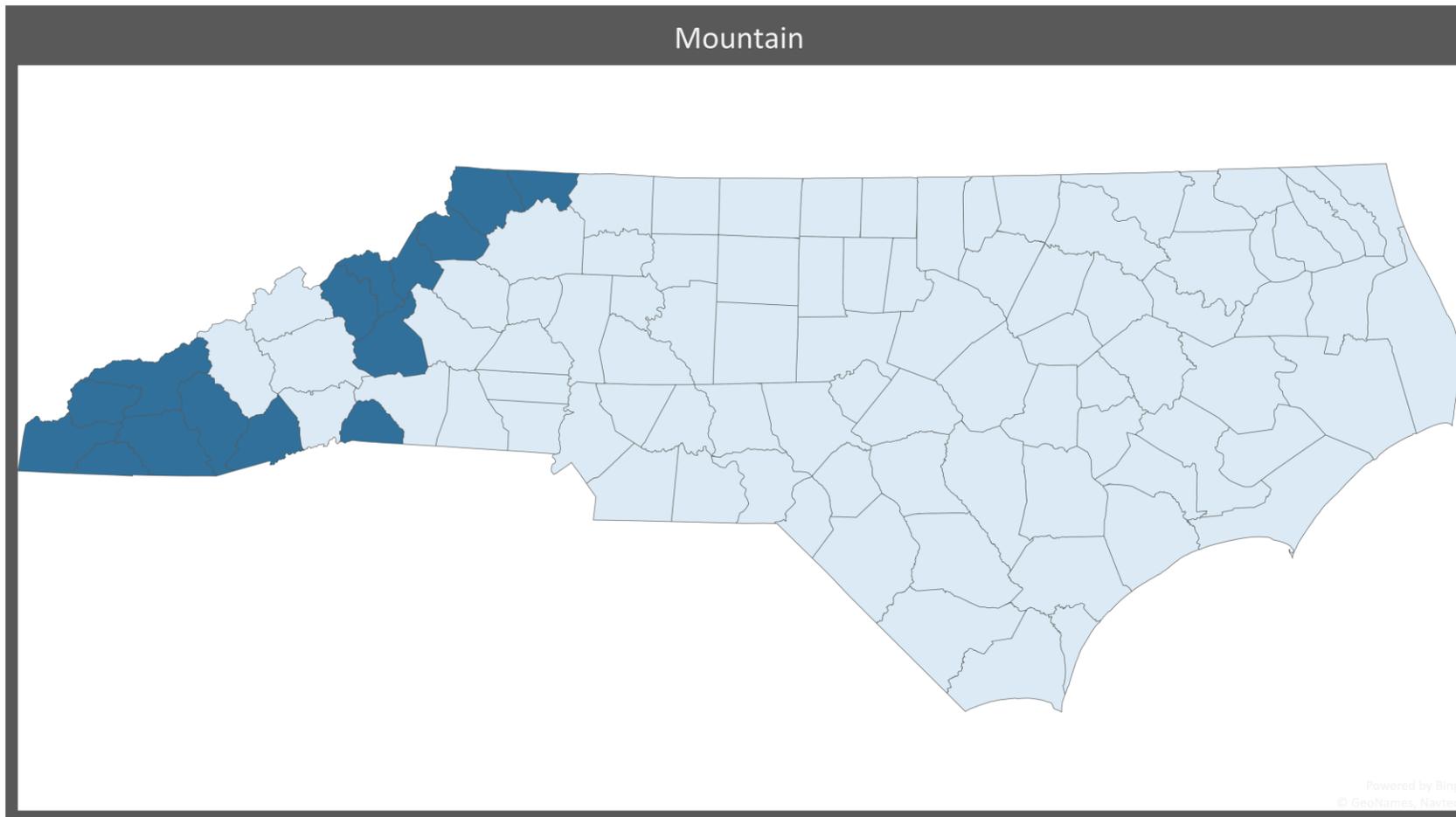
OEWS Where? Balance of State areas

Piedmont North Carolina nonmetropolitan area



OEWS Where? Balance of State areas

Mountain North Carolina nonmetropolitan area



OEWS Why?

- Provides comprehensive information on occupations at multiple levels directly for public
- Feeds into projections through micro-matrix
- Projections can provide information about future occupational growth and needs (remember **WTP!**)

OEWS How?

Collect 2 panels of data each year (November & May), and spend 6 months collecting, refining, coding, and processing the data.

What you see with the May 2022 estimates includes 6 panels including:

- May 2022
- November 2021
- May 2021
- November 2020
- May 2020
- November 2019

OEWS Bonus What? (What did we find?)

Employment in North Carolina (May 2022):

- The largest occupational family in North Carolina is Office and Administrative Support (SOC 43-0000) at 557,290.
- The smallest is Farming, Fishing, and Forestry (SOC 45-0000) at 7,300 (Legal (SOC 23-0000) second smallest at 28,060)

OEWS Bonus What? (What did we find?)

Employment in North Carolina (May 2022):

- The occupations with the most employment in North Carolina are:

SOC	Occupation	Employment (statewide)
41-2011	Cashiers	127,220
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	123,040
41-2031	Retail Salespersons	114,630
29-1141	Registered Nurses	104,300
53-7065	Stockers and Order Fillers	92,560

OEWS Bonus What? (What did we find?)

Wages in North Carolina (May 2022):

- Annual median wage across all occupations is \$41,810.
- Annual mean wage across all occupations is \$56,220.
- Management (soc 11-0000) have the highest annual median wage (\$104,240) while Food Preparation & Serving (soc 35-0000) have the lowest (\$26,100).

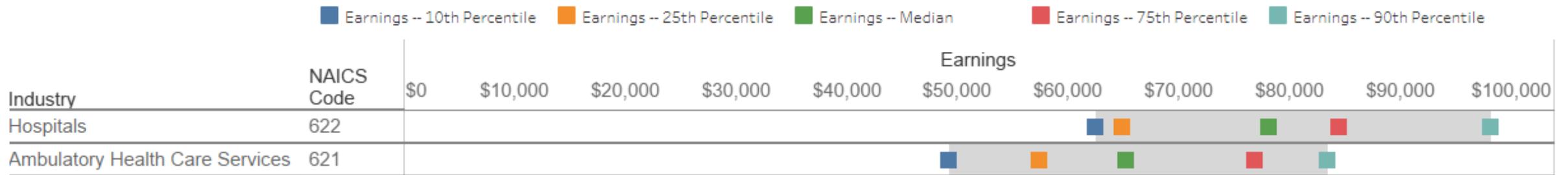
OEWS Dive into Detailed Occupation

Comparison of Wages for Registered Nurses by MSA:

Area	Hourly wage, mean	Annual wage, mean	Hourly wage, median	Annual wage, median
Charlotte-Concord-Gastonia	\$38.24	\$79,530	\$38.04	\$79,120
Jacksonville	\$33.82	\$70,350	\$30.40	\$63,230
Mountain NC Nonmetropolitan	\$34.06	\$70,840	\$32.38	\$67,350

OEWS Dive into Detailed Occupation

Comparison of Wages for Registered Nurses by Selected Industries:



OEWS Bonus Where?: Occupational Wage Lookup Dashboard (<https://analytics.nccommerce.com>)



North Carolina 2022 Occupational Wage Lookup



Step 1: Select Area

Step 2: Select a Job Title

North Carolina

All Occupations

To select a different SOC code or Official Occupation Category, click a different code/category.

Step 3: Select the most appropriate SOC Code or Occupation Category

SOC Code Official Occupation Category(ies) for Selected Job Title BLS Min Ed Req for Entry for Selected Job Title

00-0000

All Occupations

Missing or N/A

All occupations across all industries in this area.

[Click here for more information about the necessary experience, education, and key skills and abilities for All Occupations.](#)

Step 4: Select Industry Level

Step 5: Select industry(ies)

Step 6: Select Wage Type

Step 7: View data below. Missing values are suppressed.

All (NAICS 000000)

000000 -- Total, all industries

Annual

To quickly deselect industries, check the "(All)" option at the top of the filter, then uncheck the same option. If you did it correctly, the bar should say "(None)".

OEWS Bonus Where?: D4

Select Geography:

[Reset All Geographies](#)

[Select All Geographies](#)

North Carolina

Balance of State

Metropolitan Statistical Area (2013 Def)

Occupational Employment and Wages in North Carolina (OEWS) ?

Occupation:

- 00-0000 - Total All occupations
- 11-0000 - Management Occupations
- 13-0000 - Business and Financial Operations Occupations
- 15-0000 - Computer and Mathematical Occupations
- 17-0000 - Architecture and Engineering Occupations
- 19-0000 - Life, Physical, and Social Science Occupations
- 21-0000 - Community and Social Services Occupations
- 23-0000 - Legal Occupations
- 25-0000 - Education, Training, and Library Occupations

Industry:

- 000000-Cross-industry, private, federal, state, and local government
- 11 -Agriculture, Forestry, Fishing & Hunting
- 113 -Forestry and Logging
- 1133 -Logging
- 115 -Agriculture & Forestry Support Activity
- 1151 -Support Activities for Crop Production
- 1152 -Support Activities for Animal Production
- 21 -Mining

Data:

- Employment
- Employment Relative Standard Error
- Response Rate(%)
- Hourly wage; mean
- Annual wage; mean
- Wage Relative Standard Error
- Hourly wage; 10th percentile
- Hourly wage; 25th percentile
- Hourly wage; median



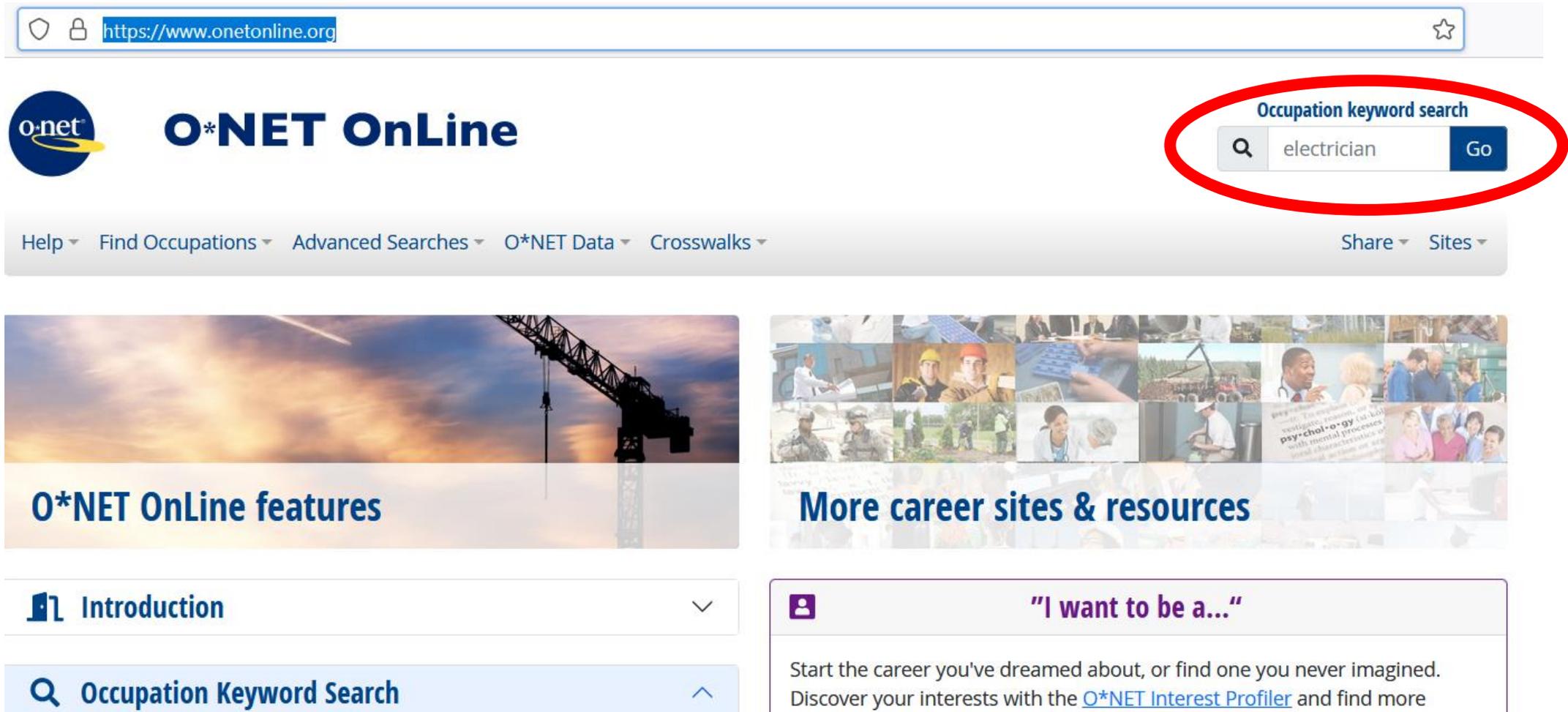
Additional information regarding the OEWS program including data for the Nation and other states can be accessed on the Bureau of Labor Statistics website at <https://www.bls.gov/oes/home.htm>

[OEWS industry hierarchy](#)

[OEWS occupation hierarchy](#)

If you don't know what your SOC code is:

<https://www.onetonline.org/>



The screenshot shows the O*NET OnLine website interface. At the top, the browser address bar displays <https://www.onetonline.org/>. The O*NET OnLine logo is on the left. On the right, the "Occupation keyword search" section is highlighted with a red circle; it contains a search input field with the text "electrician" and a "Go" button. Below the logo, a navigation menu includes "Help", "Find Occupations", "Advanced Searches", "O*NET Data", and "Crosswalks". On the far right of this menu are "Share" and "Sites" options. The main content area features two large banners: "O*NET OnLine features" with a background image of a construction crane, and "More career sites & resources" with a collage of various professional and industrial images. Below the "O*NET OnLine features" banner is a dropdown menu with "Introduction" selected. Below the "More career sites & resources" banner is a section titled "I want to be a..." with a sub-header "Start the career you've dreamed about, or find one you never imagined. Discover your interests with the [O*NET Interest Profiler](#) and find more".

Conclusion

1. There are different sources for occupational information depending on what you need.
2. The Occupational Employment and Wage Statistics provides perhaps the best comprehensive picture of occupational employment and wages across the country, state, and regional geographies.
3. You can get this data from our [dashboard](#), user-friendly [D4](#) and the [BLS national](#) website.
4. If you have any questions- please feel free to contact us!

Questions/Thank You!

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