



# Status of the Rural Wisconsin Labor Market

2023 Wisconsin Rural Economic Summit

Matt Kures

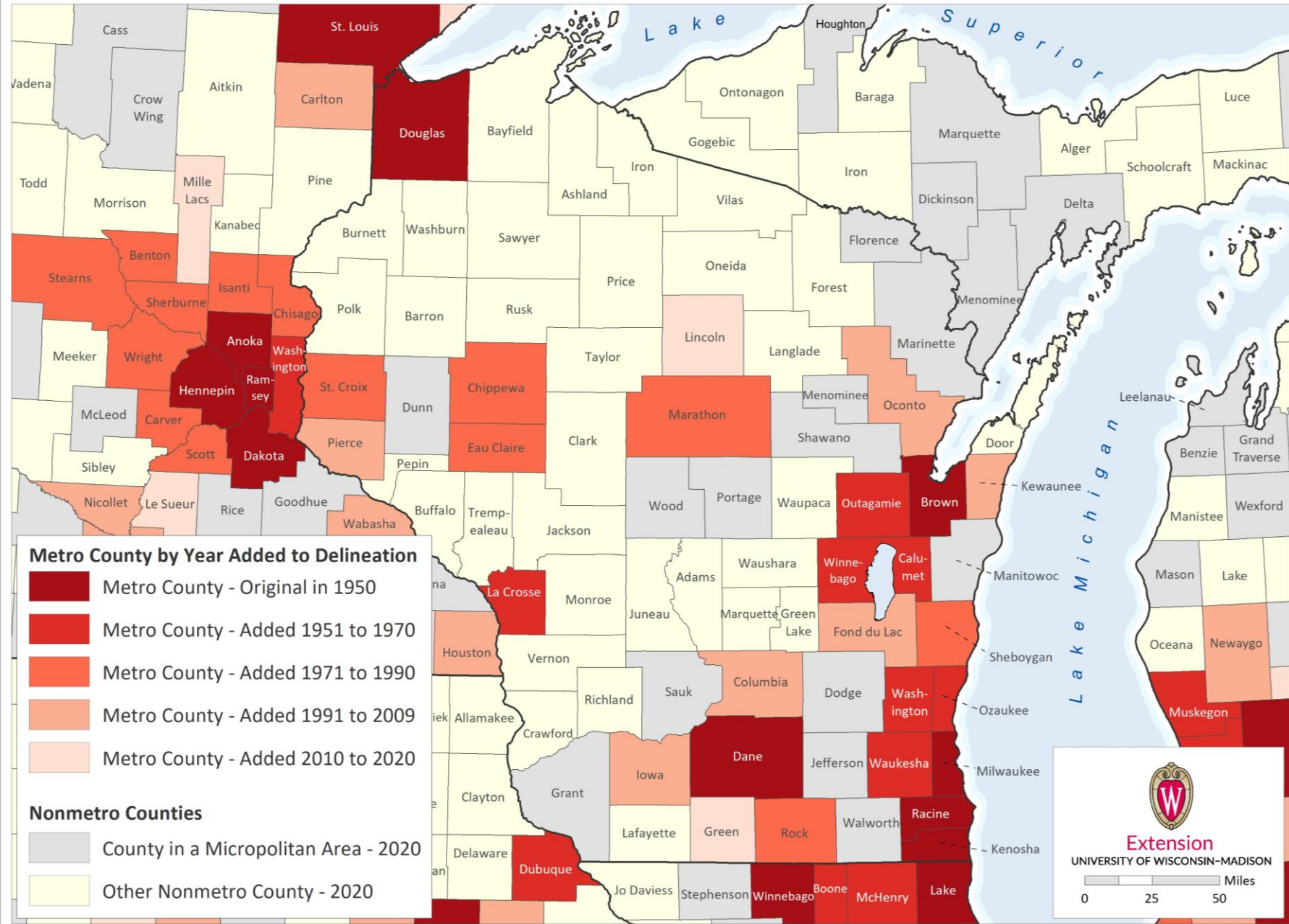
Economic Development Administration University Center

Community Development Institute

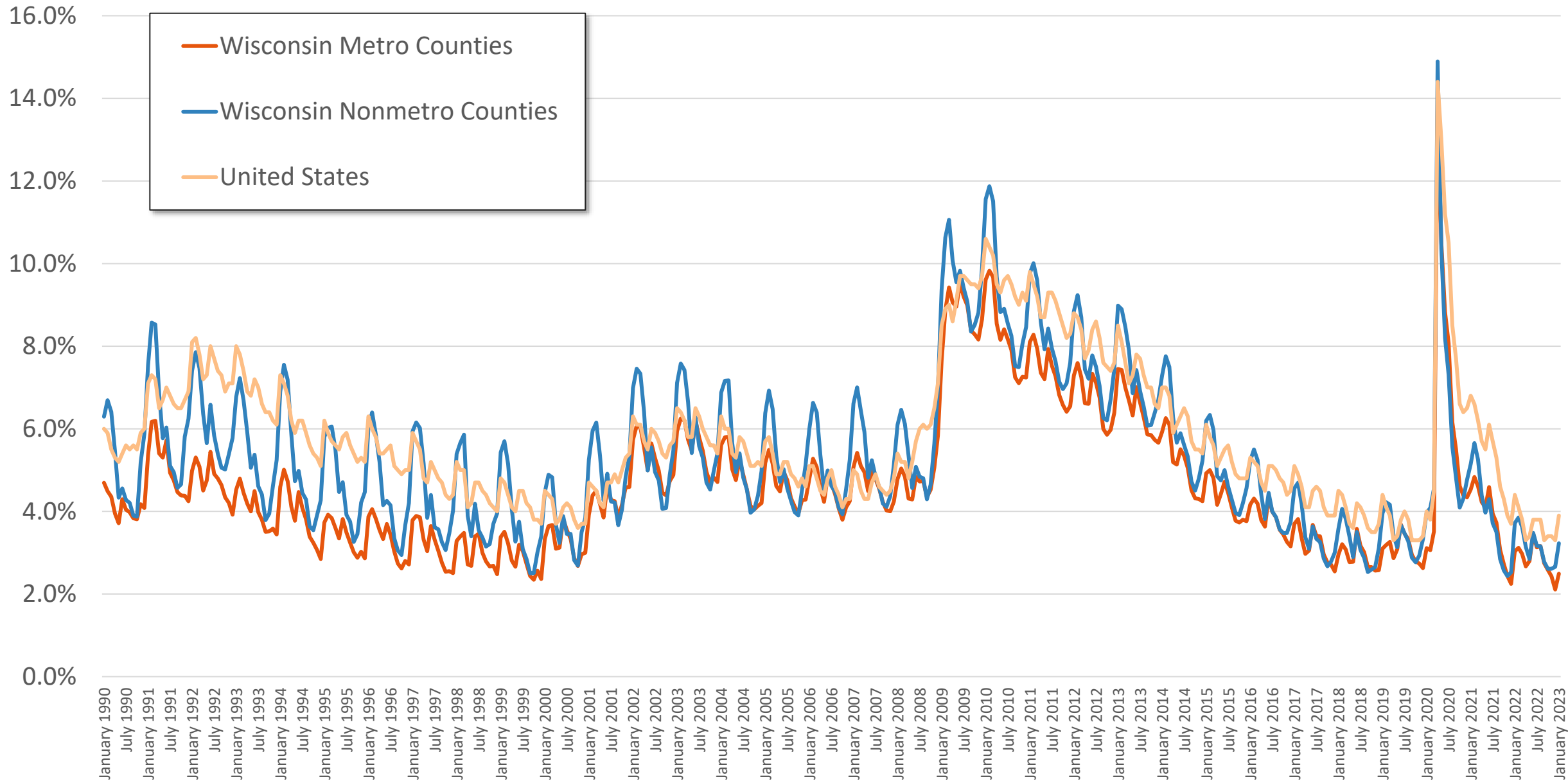
UW-Madison Division of Extension



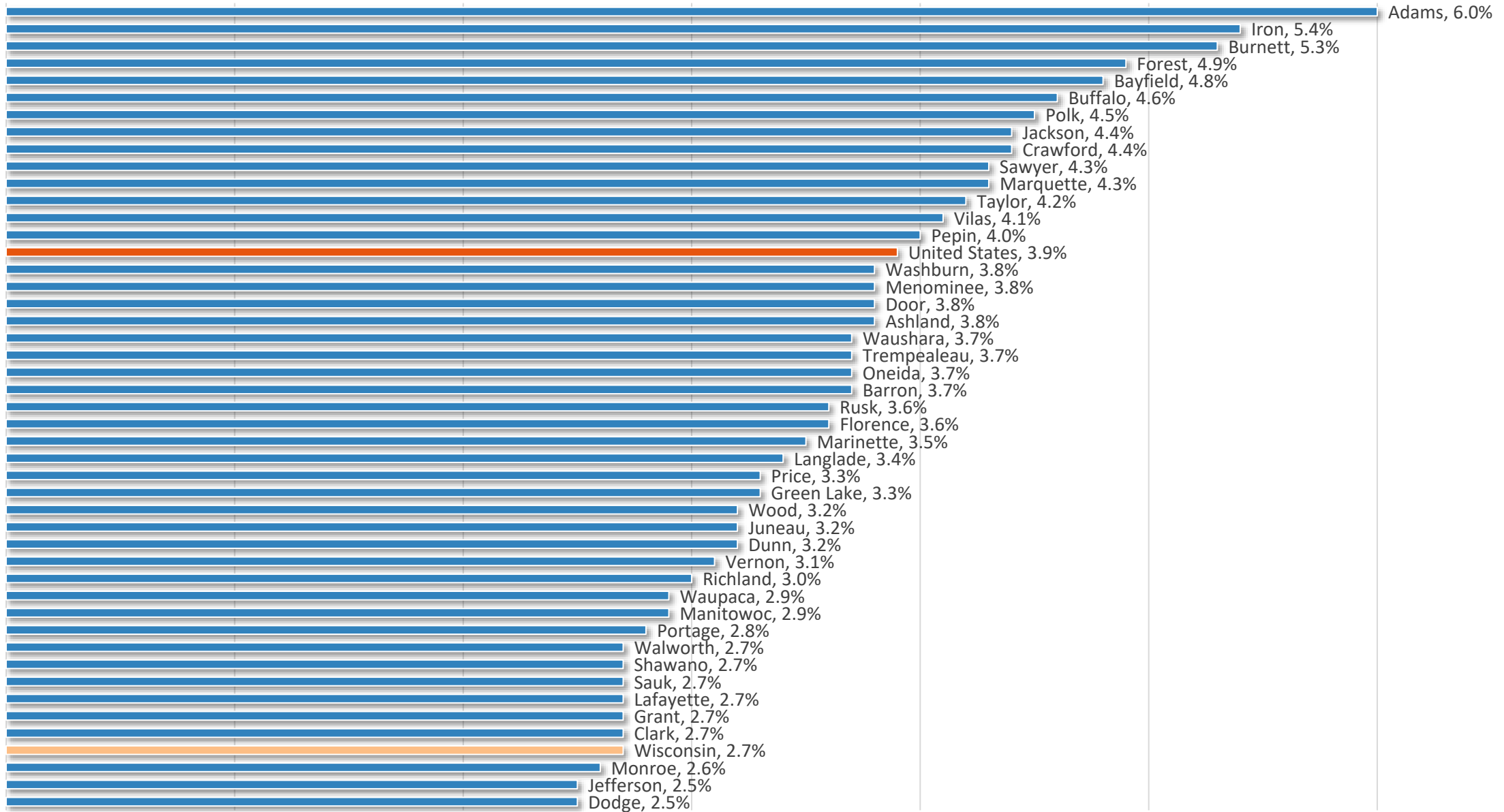
# Change in Metropolitan Counties - 1950 to 2020



# Monthly Unemployment Rate – January 1990 to January 2023 (Seasonally Unadjusted)



# January 2023 Unemployment Rates (Preliminary) by Nonmetro County



0.0%

1.0%

2.0%

3.0%

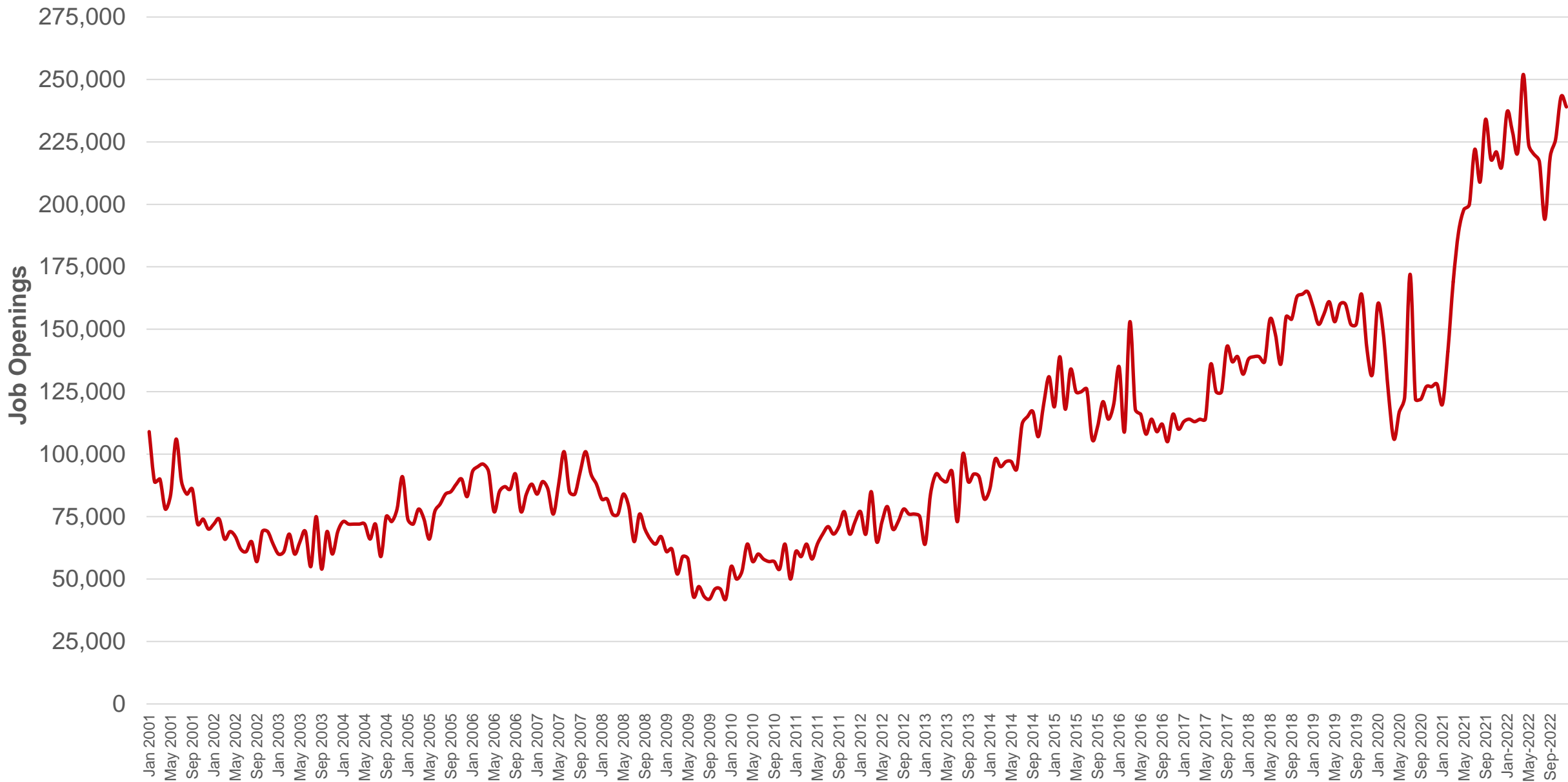
4.0%

5.0%

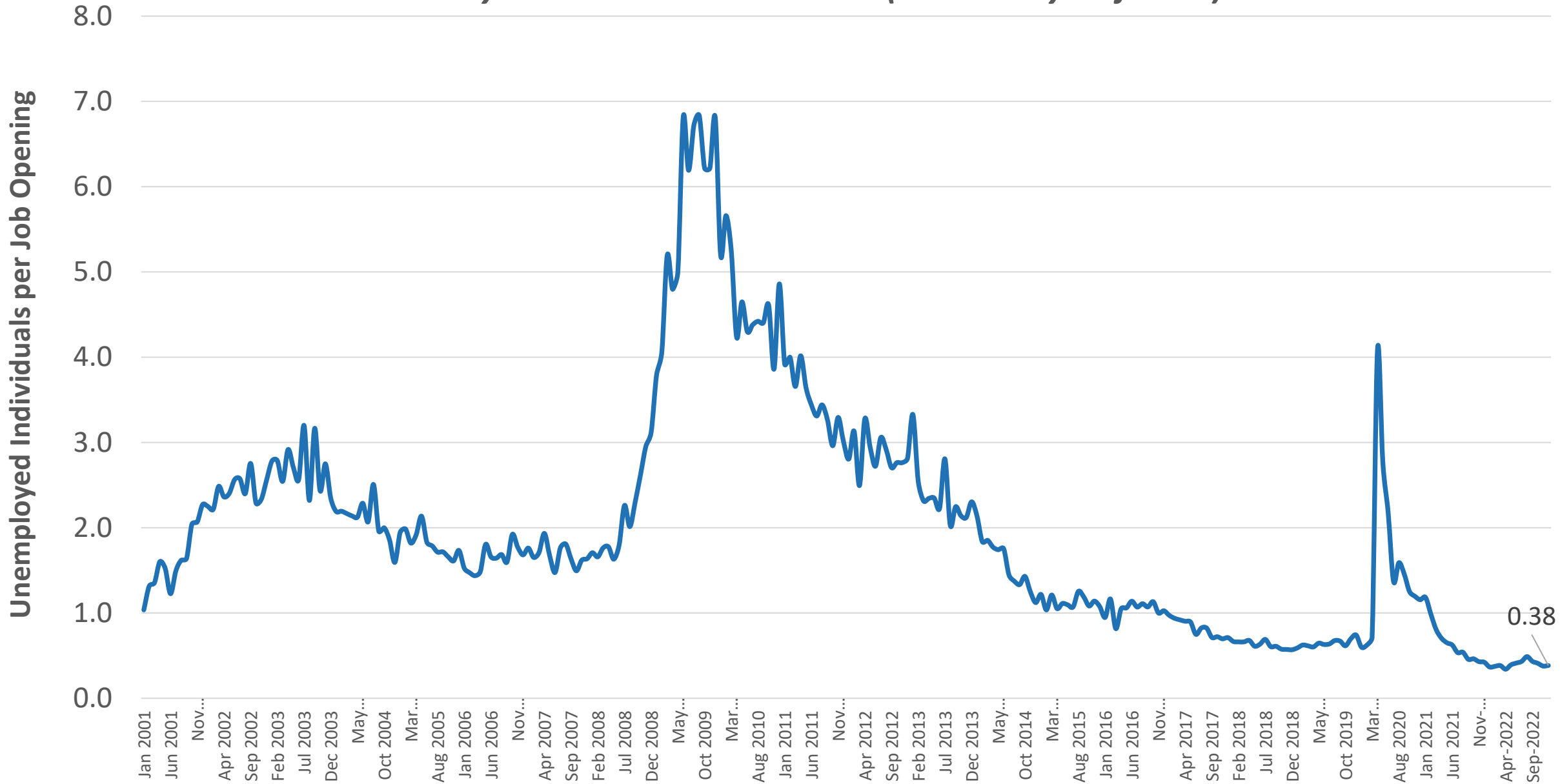
6.0%

7.0%

# State of Wisconsin Monthly Job Openings - *January 2001 to December 2022 (Seasonally Adjusted)*

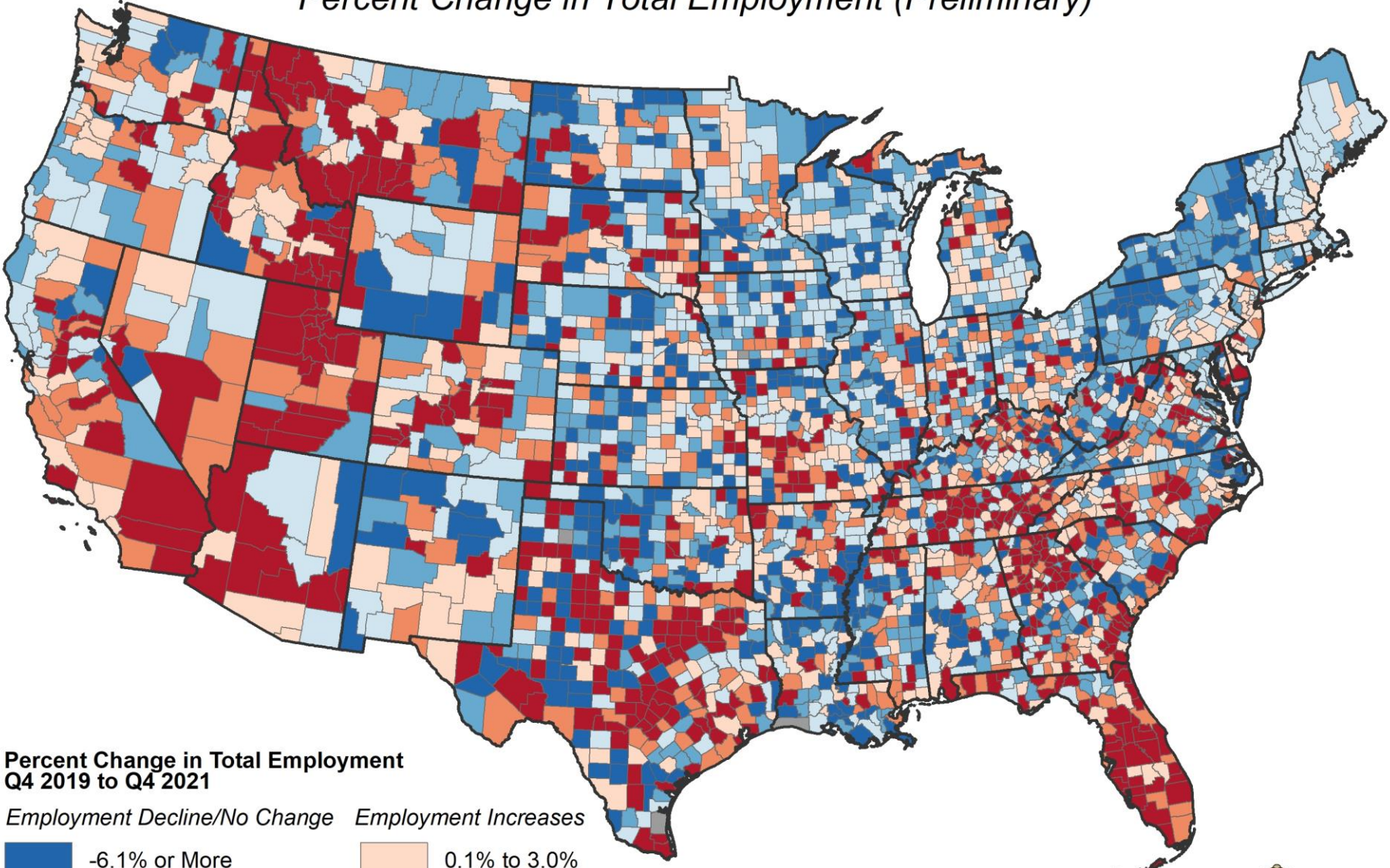


# State of Wisconsin Unemployed Individuals per Job Opening – *January 2001 to December 2022 (Seasonally Adjusted)*



# Employment Change by County - Q3 2018 to Q3 2022

## Percent Change in Total Employment (Preliminary)



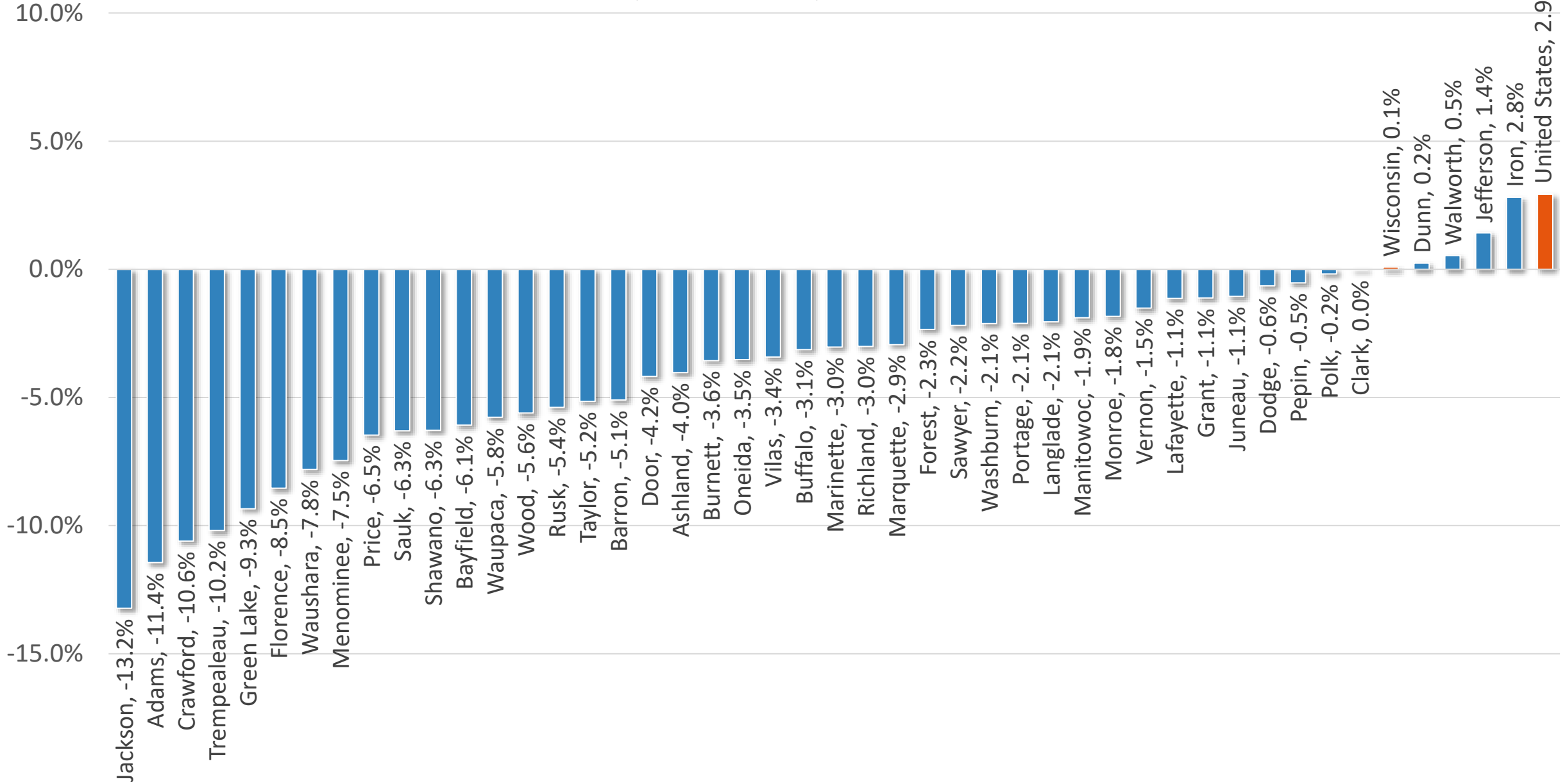
### Percent Change in Total Employment Q4 2019 to Q4 2021

Employment Decline/No Change		Employment Increases	
Dark Blue	-6.1% or More	Light Orange	0.1% to 3.0%
Medium Blue	-3.1% to -6.0%	Orange	3.1% to 6.0%
Light Blue	0.0% to -3.0%	Dark Red	6.1% or More

Data Source: Bureau of Labor Statistics  
Quarterly Census of Employment  
and Wages. Data for Q3 2022 are preliminary  
and subject to change.



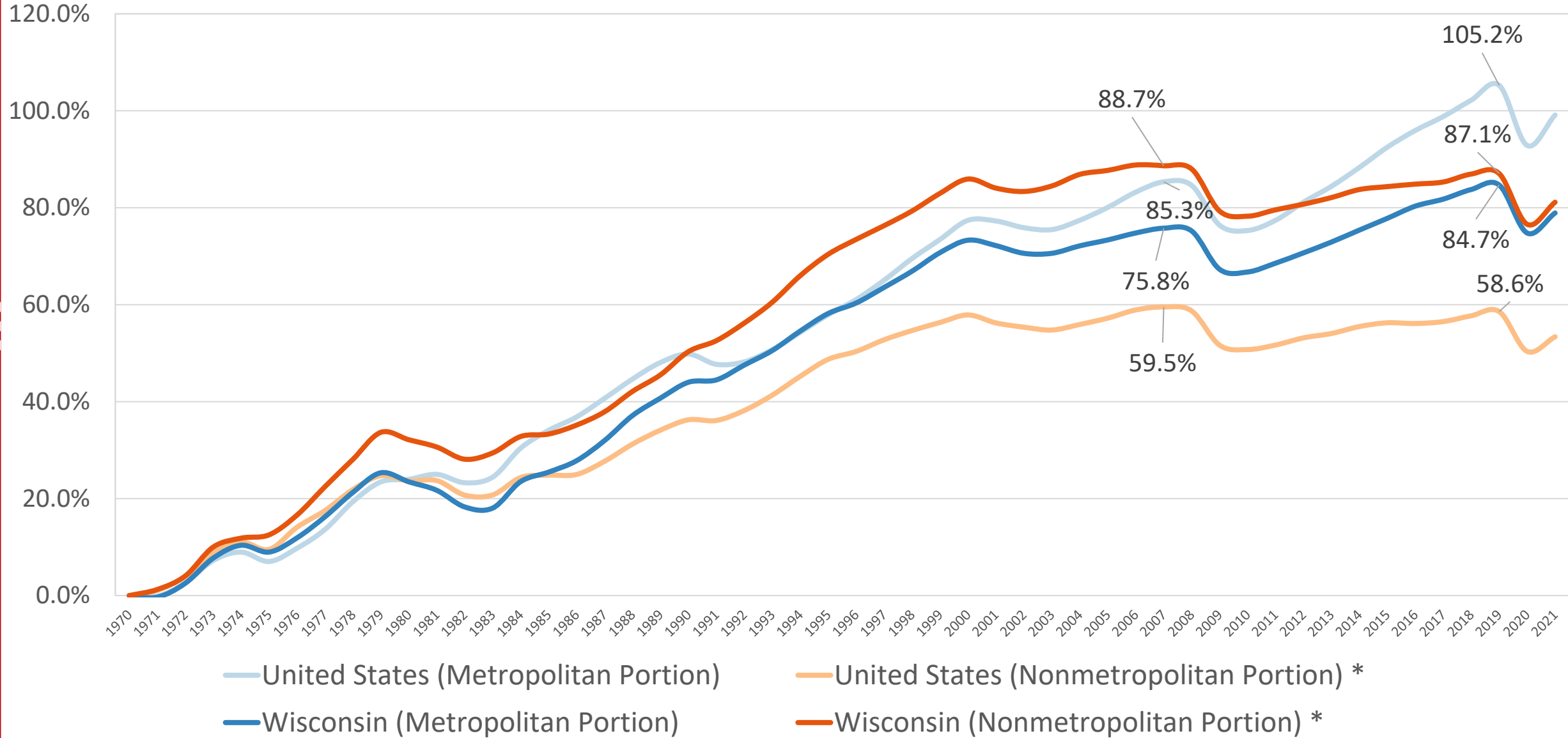
# Nonmetro Percent Change in Wage and Salary Employment – Q3 2018 to Q3 2022





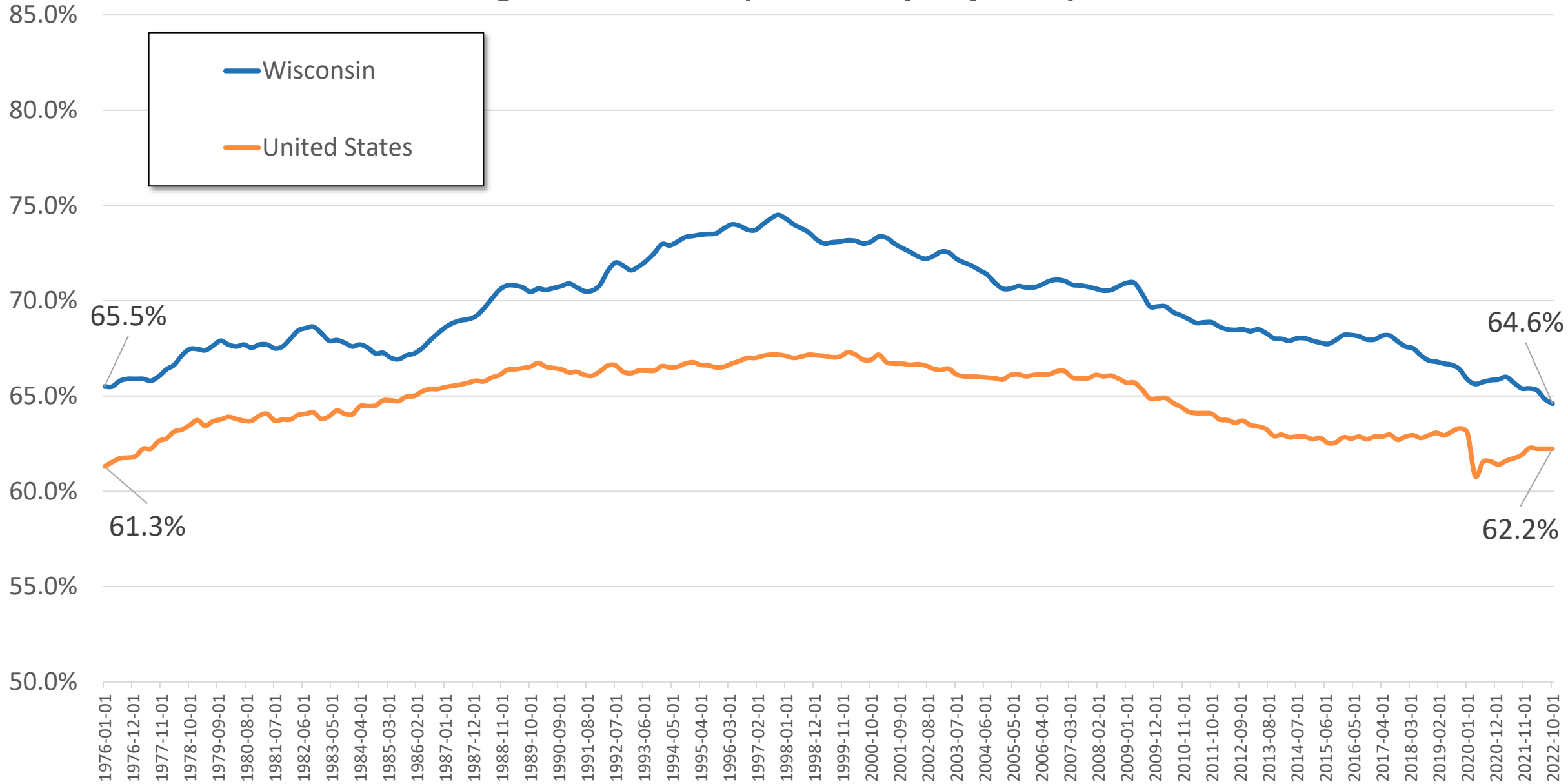
# Change in Annual Wage and Salary Employment - 1970 to 2021

## Percent Change Since 1970

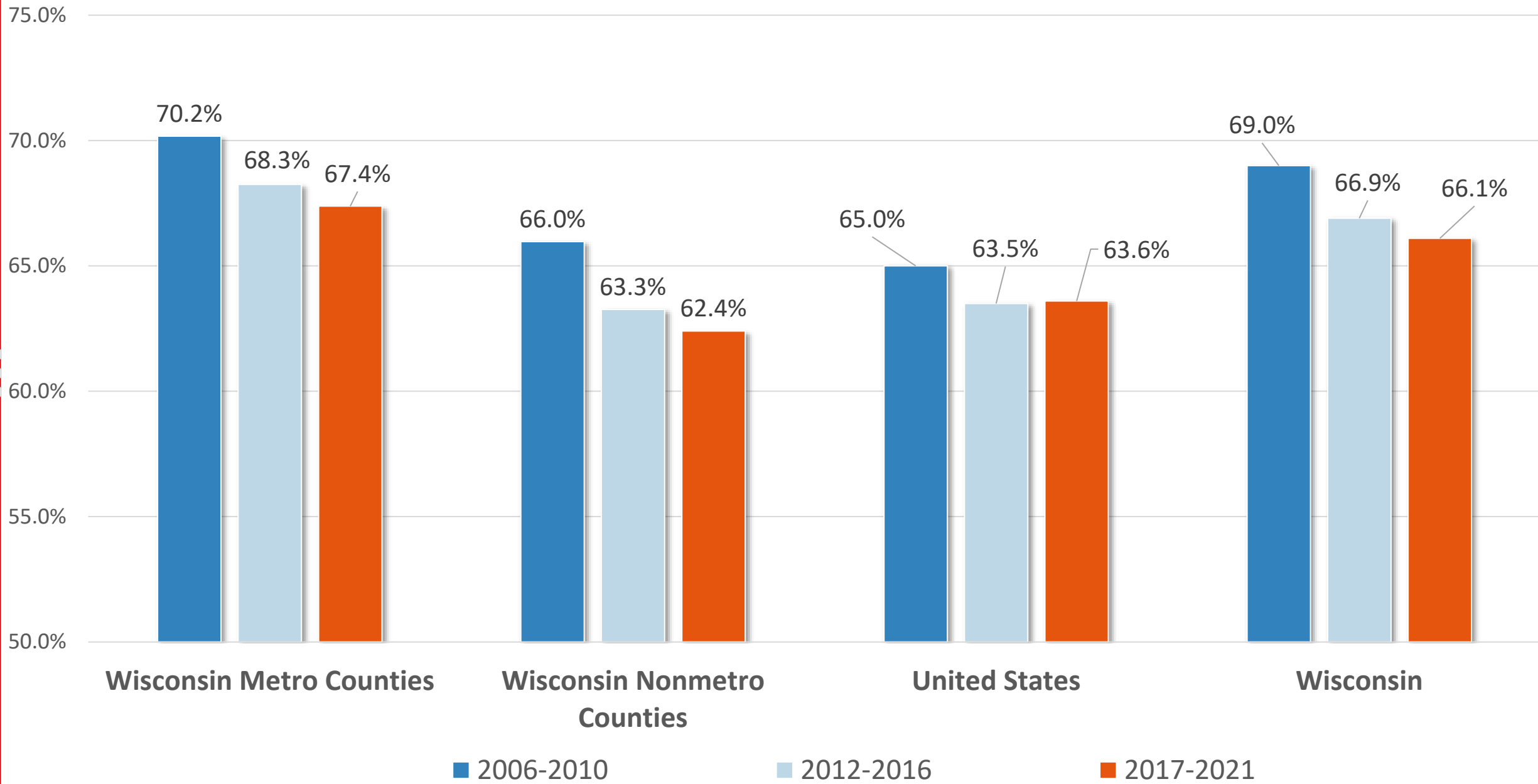


# Labor Participation Rates by Quarter 1976 to 2022

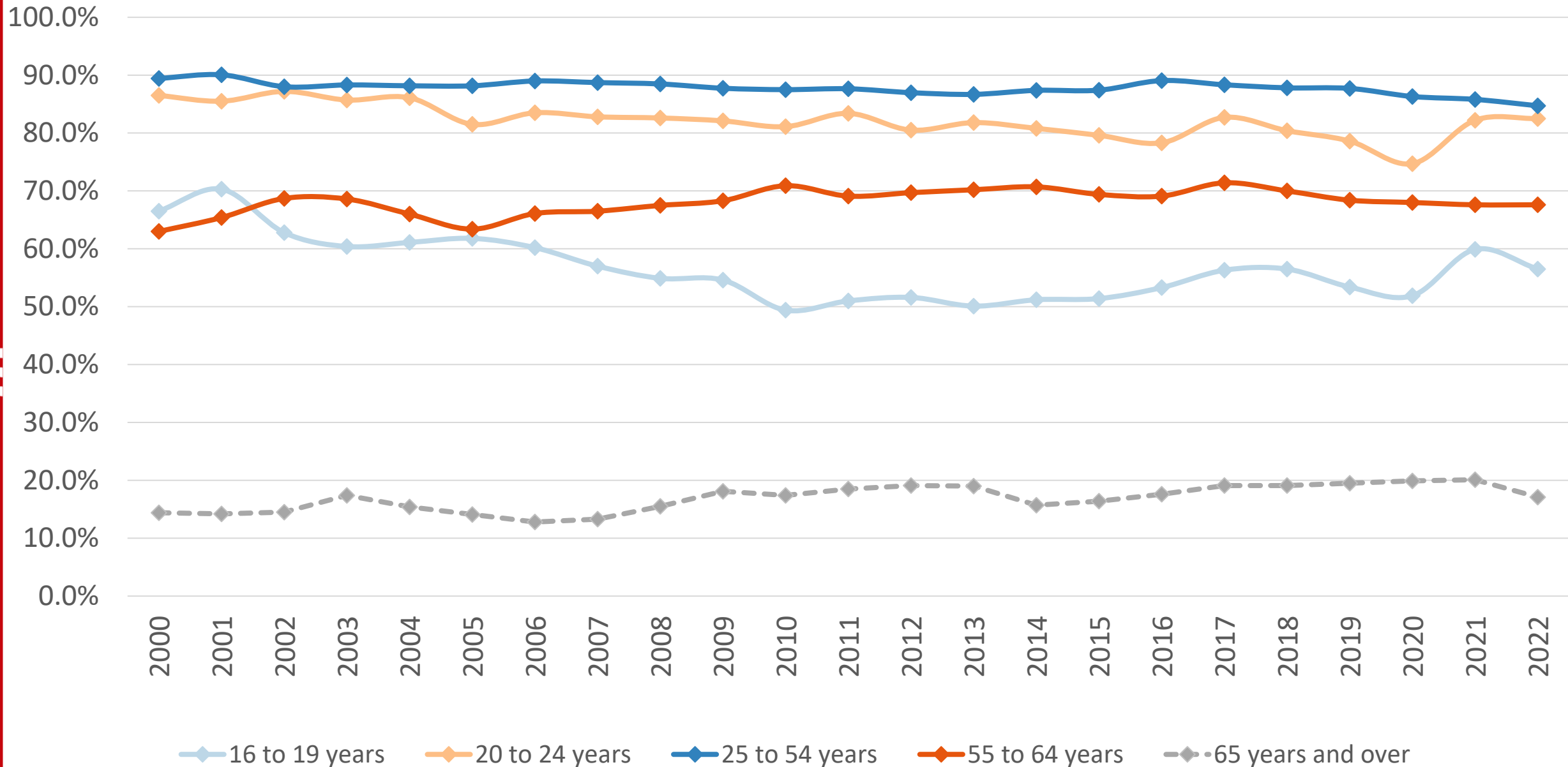
## Age 16 and Over (Seasonally Adjusted)



# Labor Participation Rates Age 16 and Over – Wisconsin Metro and Nonmetro Counties

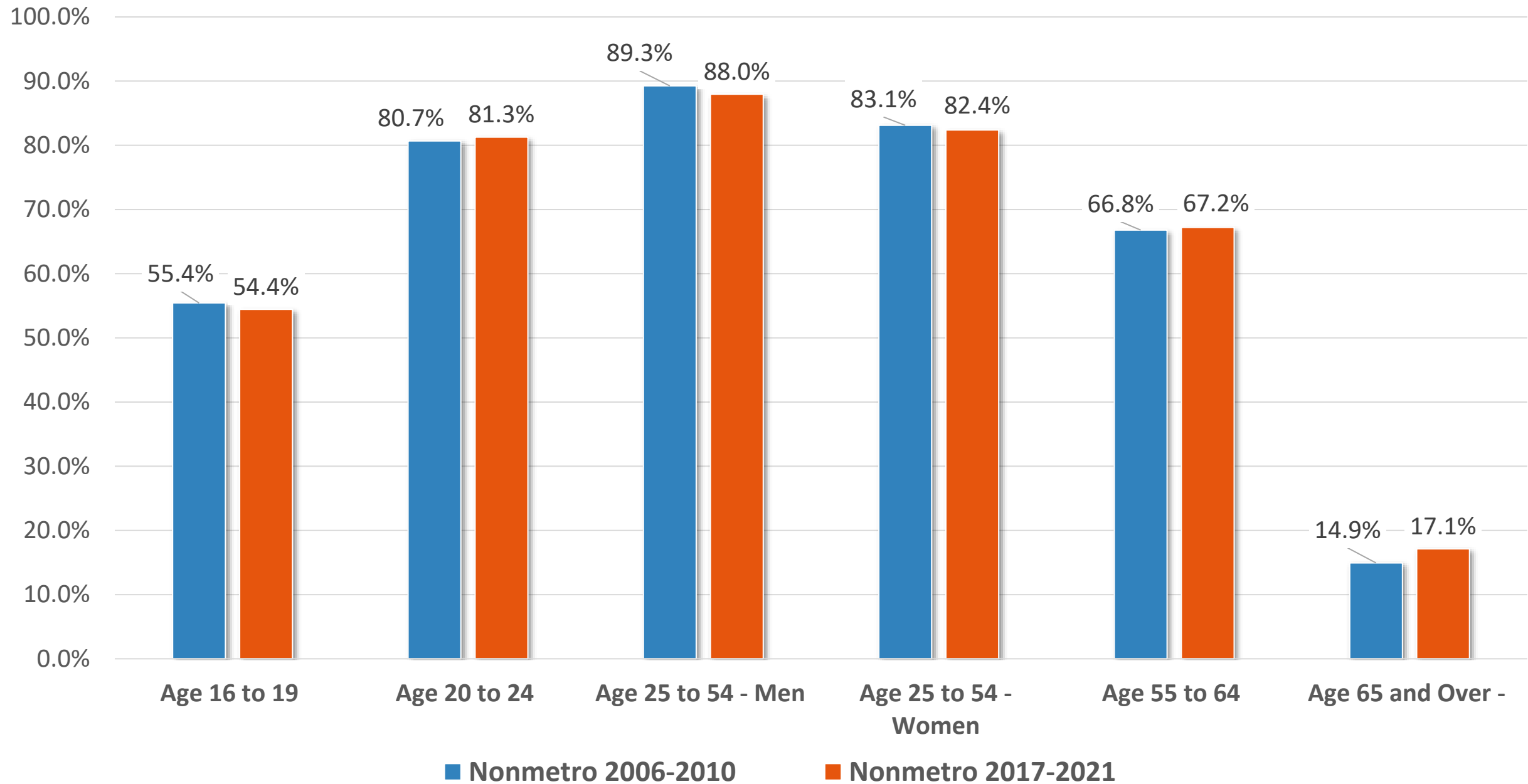


# State of Wisconsin Annual Participation Rates by Age 2000 to 2022

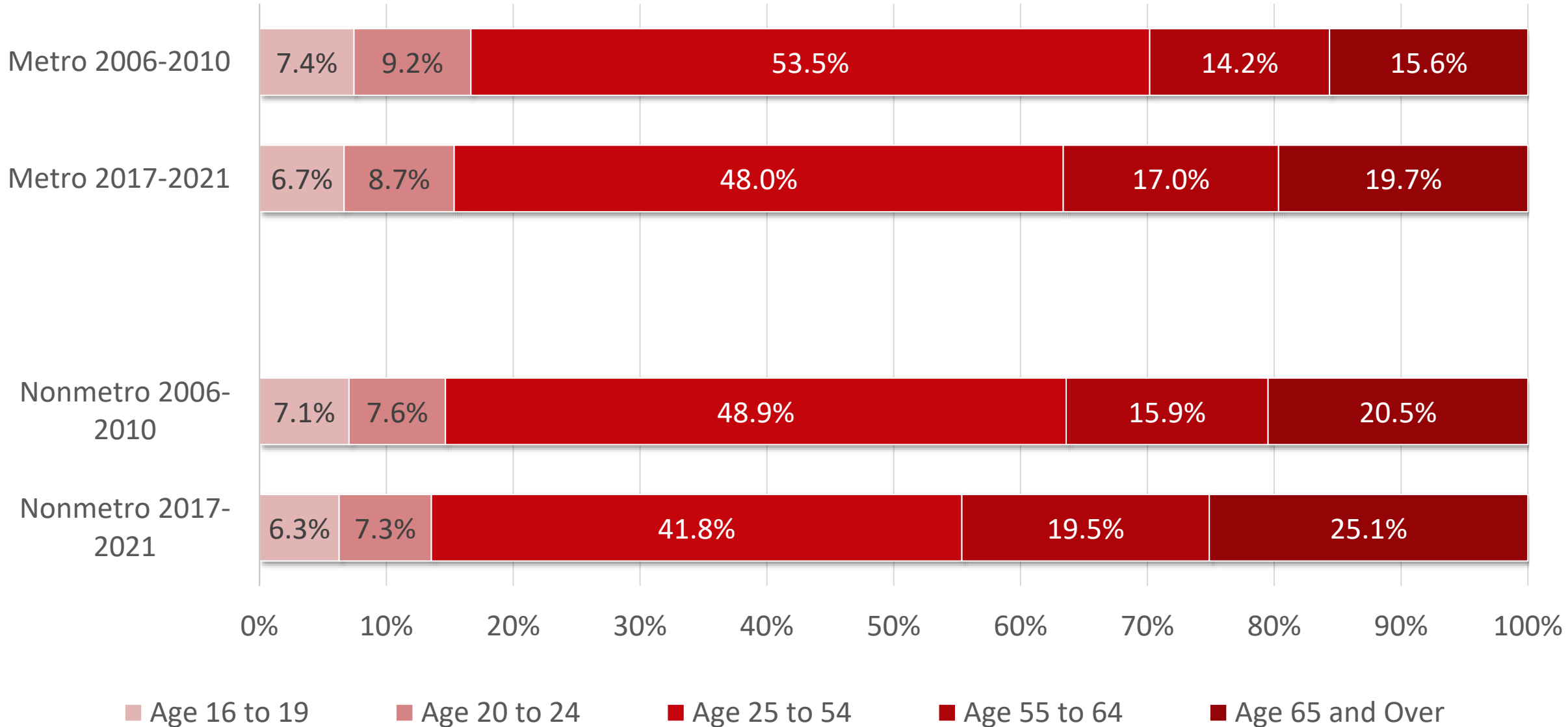


Source: Author's Calculations, Bureau of Labor Statistics, U.S. Census Bureau, Current Population Survey

## Change in Wisconsin Nonmetro Labor Participation Rates by Age - 2006-2010 vs. 2017-2021



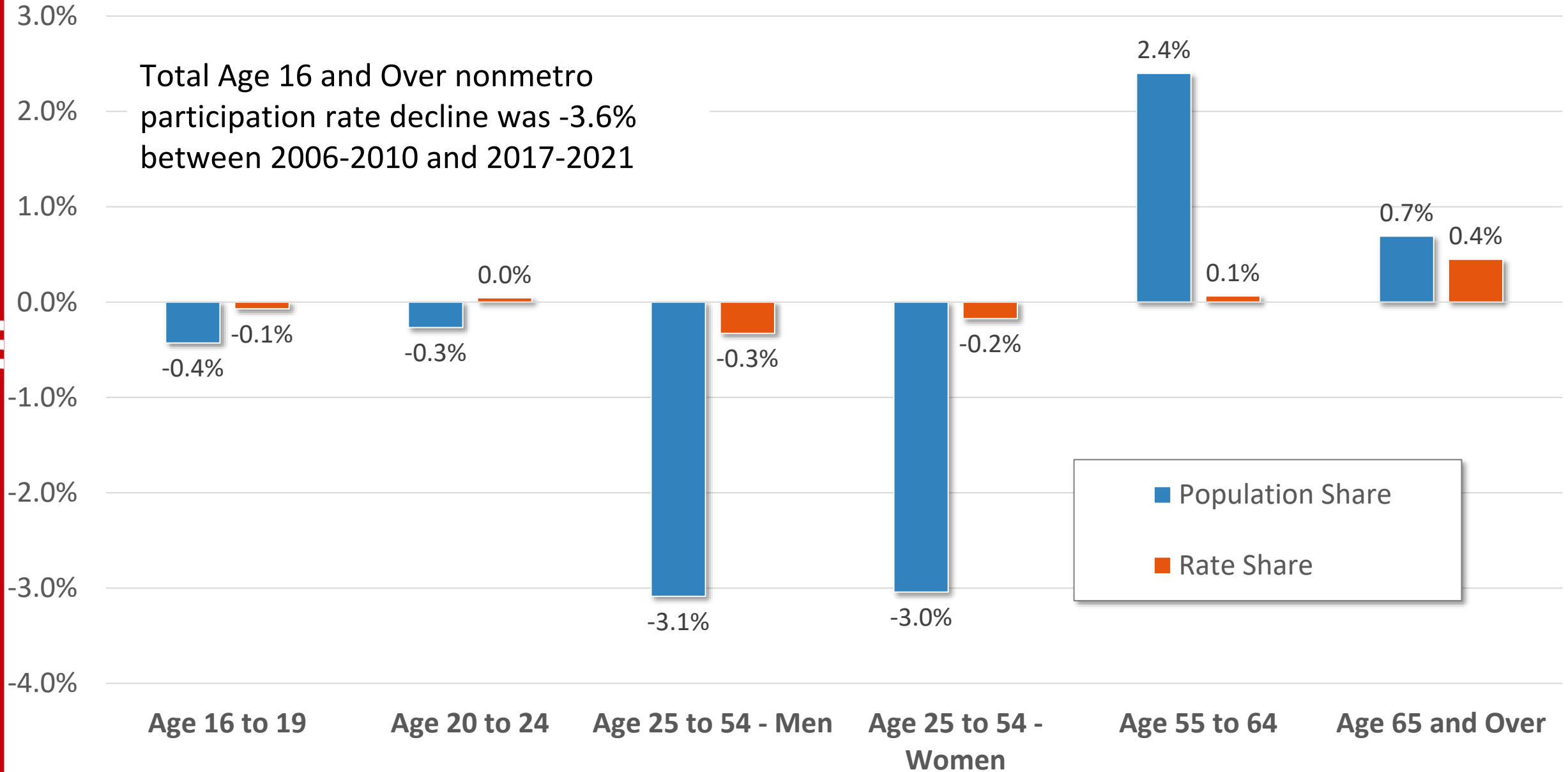
## Change in Share of Population Age 16 and Over – Wisconsin Metro and Nonmetro Counties



# WI Nonmetro County Change in Age 16 and Over Labor Participation Rate 2006-2010 to 2017-2021

## *Decomposing the Influence of Population Share vs. Rate Share*

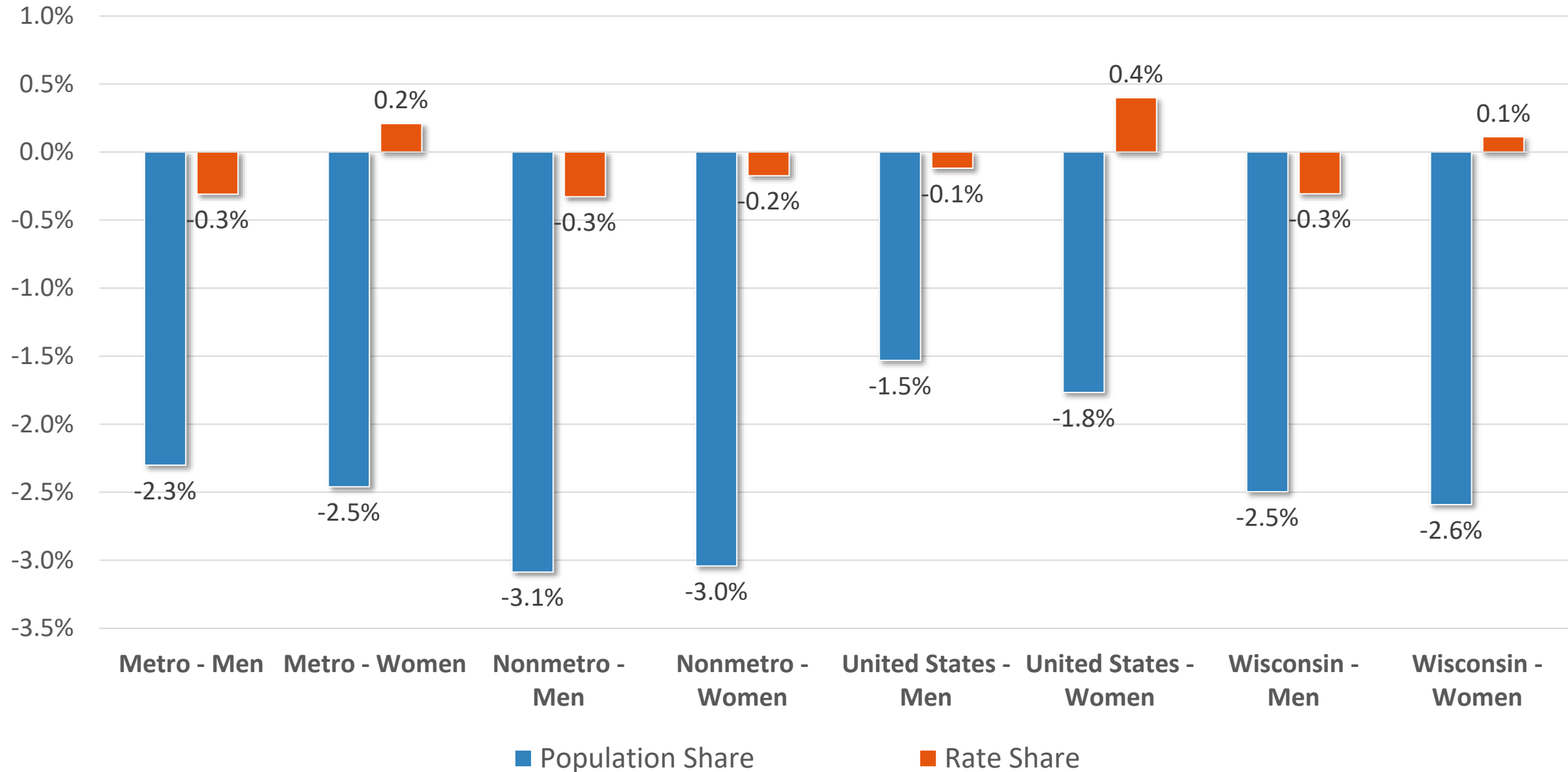
Total Age 16 and Over nonmetro participation rate decline was -3.6% between 2006-2010 and 2017-2021



Source: U.S. Census Bureau American Community Survey and Author's Calculations. A small interaction impact is not reported here.

# Change in Age 16 and Over Labor Participation Rate 2006-2010 to 2017-2021

## Decomposing the Influence of Age 25 to 54 Population Share vs. Rate Share

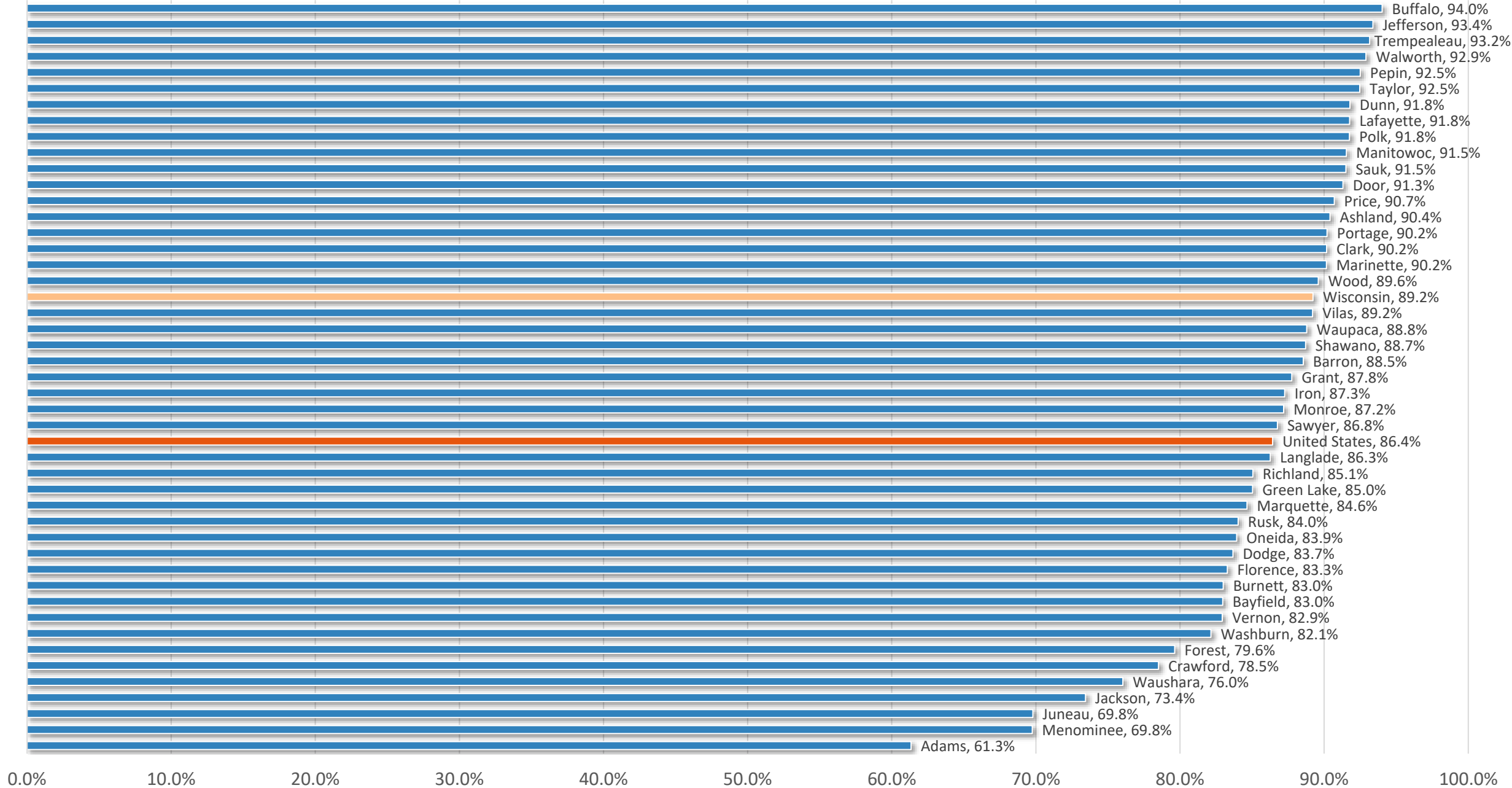




# Possible Explanations for Declining Prime Age Participation Rates

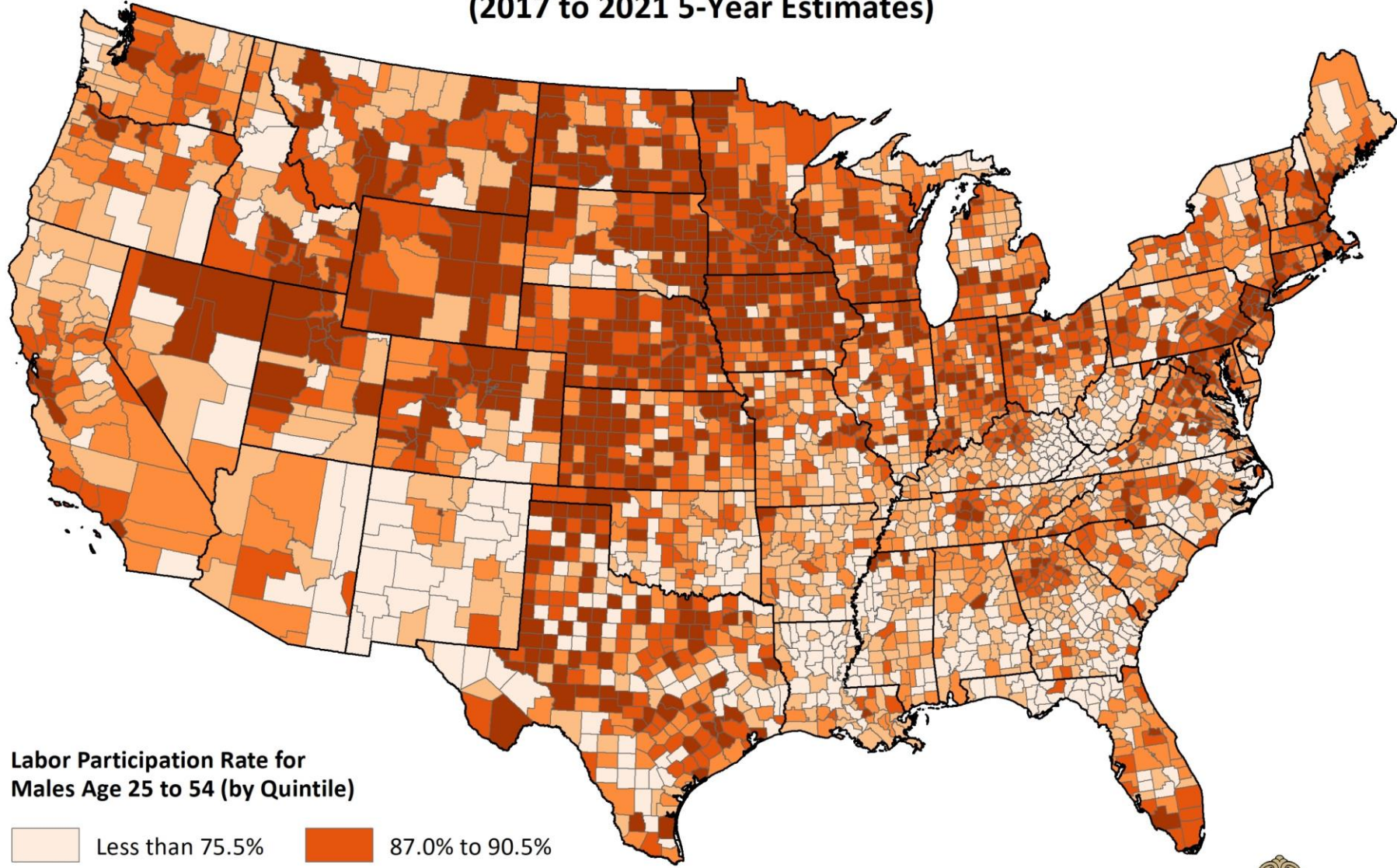
- Long term gaps in employment
- Automation and technological change
- Globalization
- Reservation wages
- Mismatch of skills or education
- Disability or illness (including substance dependency)
- Benefits cliffs
- Gender norms
- Justice involvement

# Labor Participation Rate for Males Age 25 to 54 (2017-2021) – Nonmetro Wisconsin Counties



Source: U.S. Census Bureau American Community Survey

# Labor Participation Rate for Males Age 25 to 54 (2017 to 2021 5-Year Estimates)



Labor Participation Rate for Males Age 25 to 54 (by Quintile)

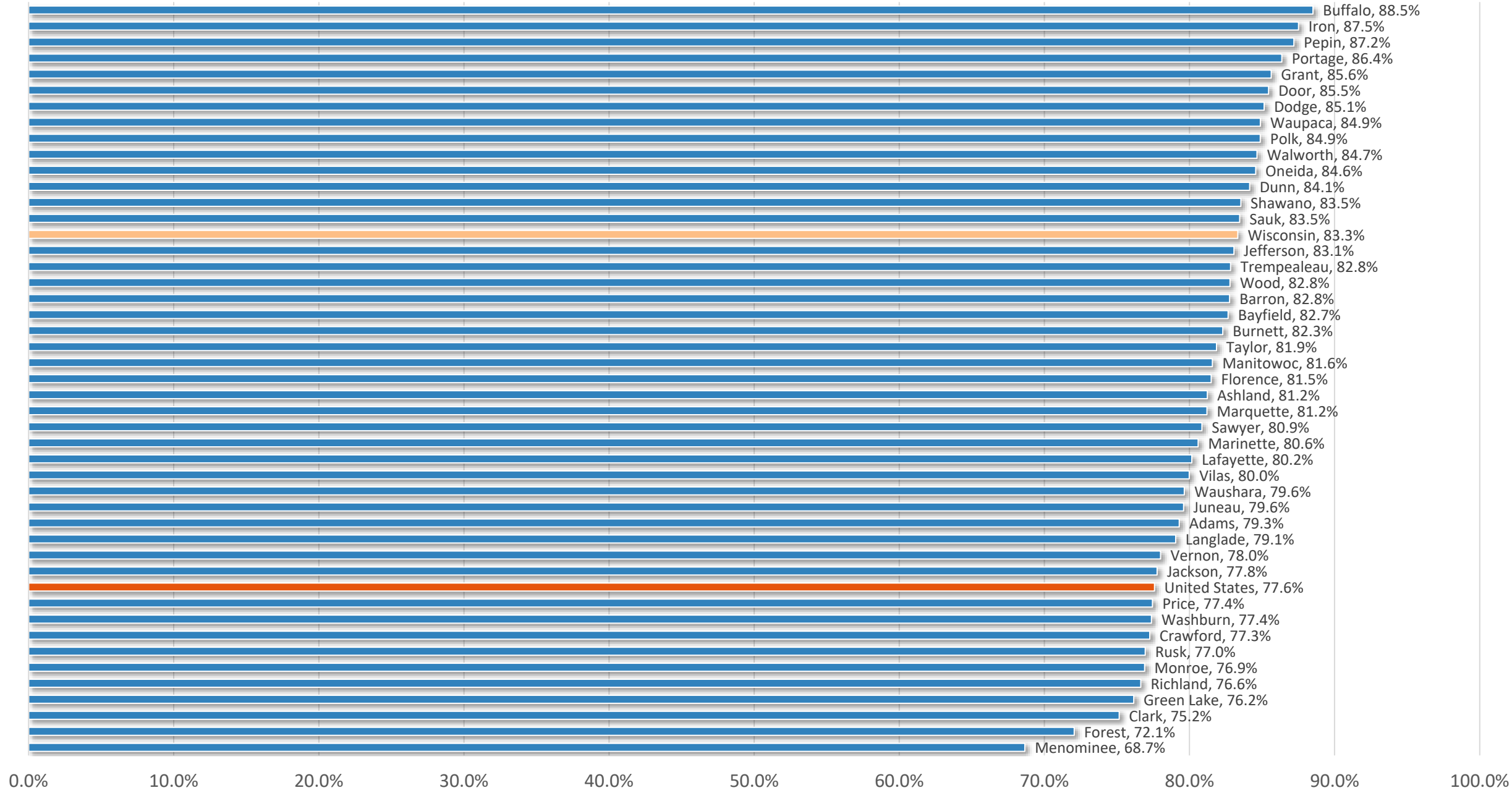
- Less than 75.5%
- 75.5% to 82.9%
- 83.0% to 86.9%
- 87.0% to 90.5%
- 90.6% or More

Data Source: U.S. Census Bureau 2017-2021 American Community Survey. Numbers are subject to a margin of error.



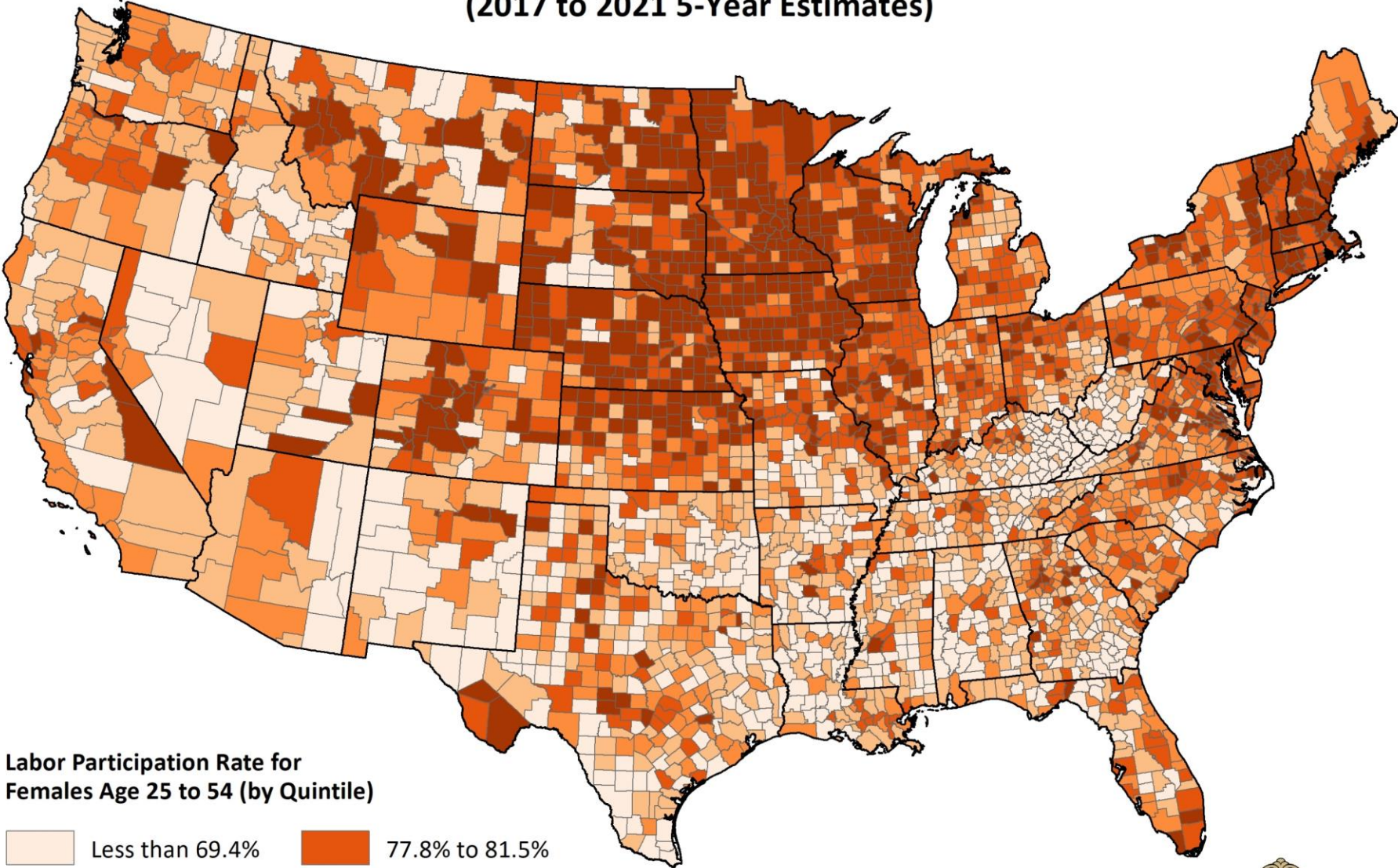
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# Labor Participation Rate for Females Age 25 to 54 (2017-2021) – Nonmetro Wisconsin Counties



Source: U.S. Census Bureau American Community Survey

# Labor Participation Rate for Females Age 25 to 54 (2017 to 2021 5-Year Estimates)



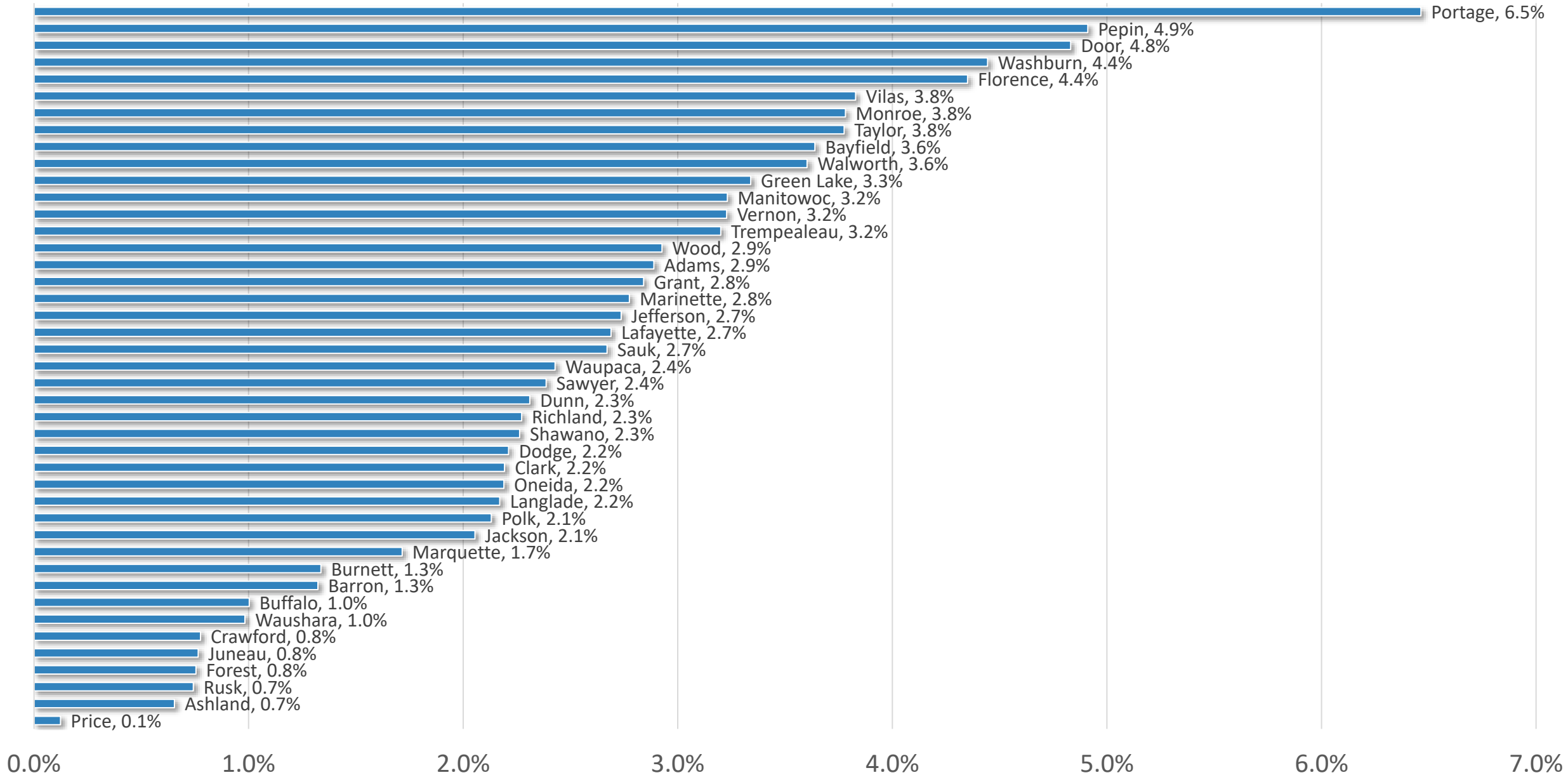
Labor Participation Rate for Females Age 25 to 54 (by Quintile)

Less than 69.4%	77.8% to 81.5%
69.4% to 74.0%	81.6% or More
74.1% to 77.7%	

Data Source: U.S. Census Bureau 2017-2021 American Community Survey. Numbers are subject to a margin of error.



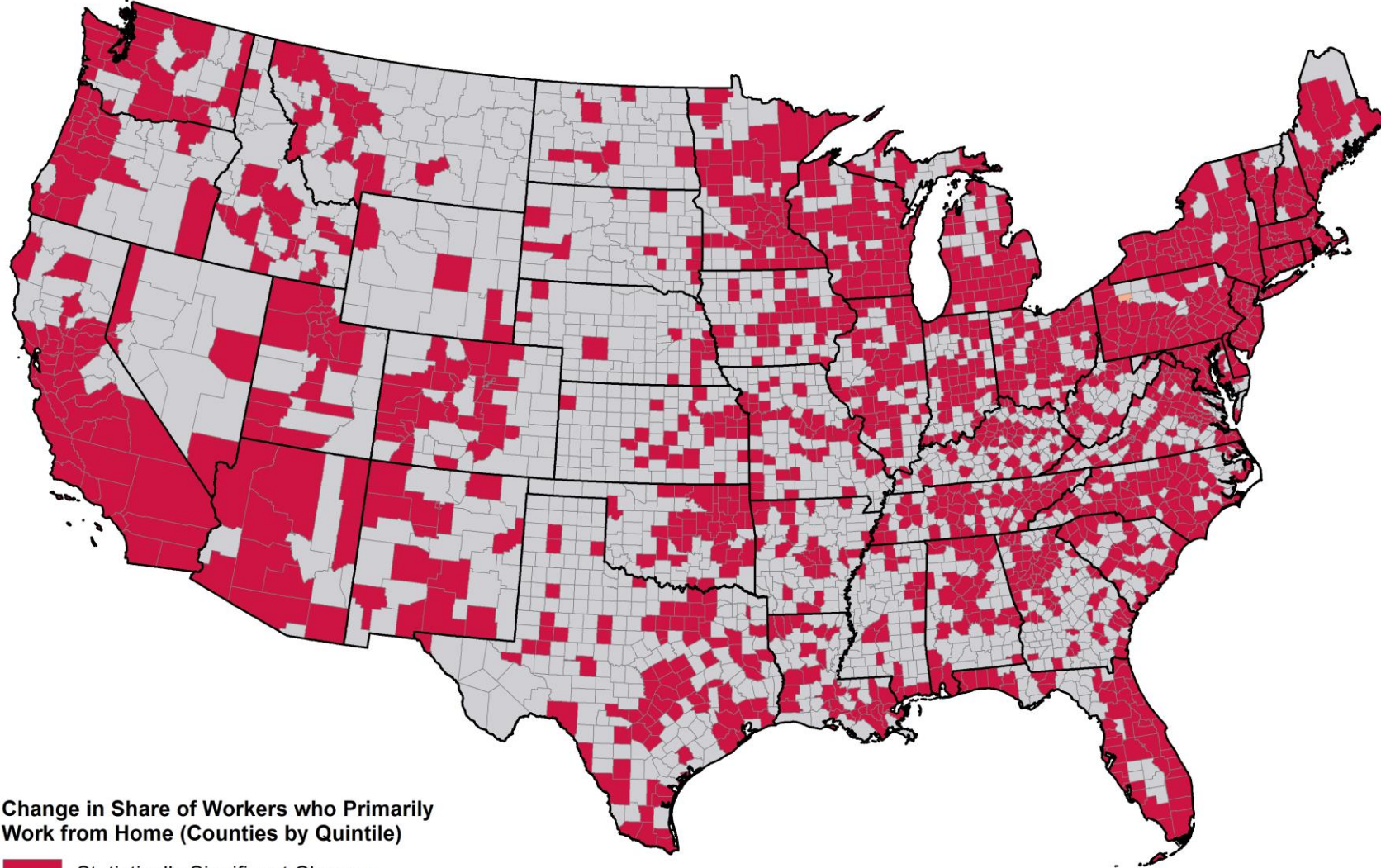
# What about Working from Home? Nonmetro County Change in Share of Employees Work from Home *2012-2016 to 2017-2021*





Source: U.S. Census Bureau American Community Survey and Author's Calculations

# Change in Share of Workers who Primarily Work from Home

Share of Employed Population Age 16 and Over (2012-2016 and 2017-2021 5-Year Estimates)



**Change in Share of Workers who Primarily Work from Home (Counties by Quintile)**

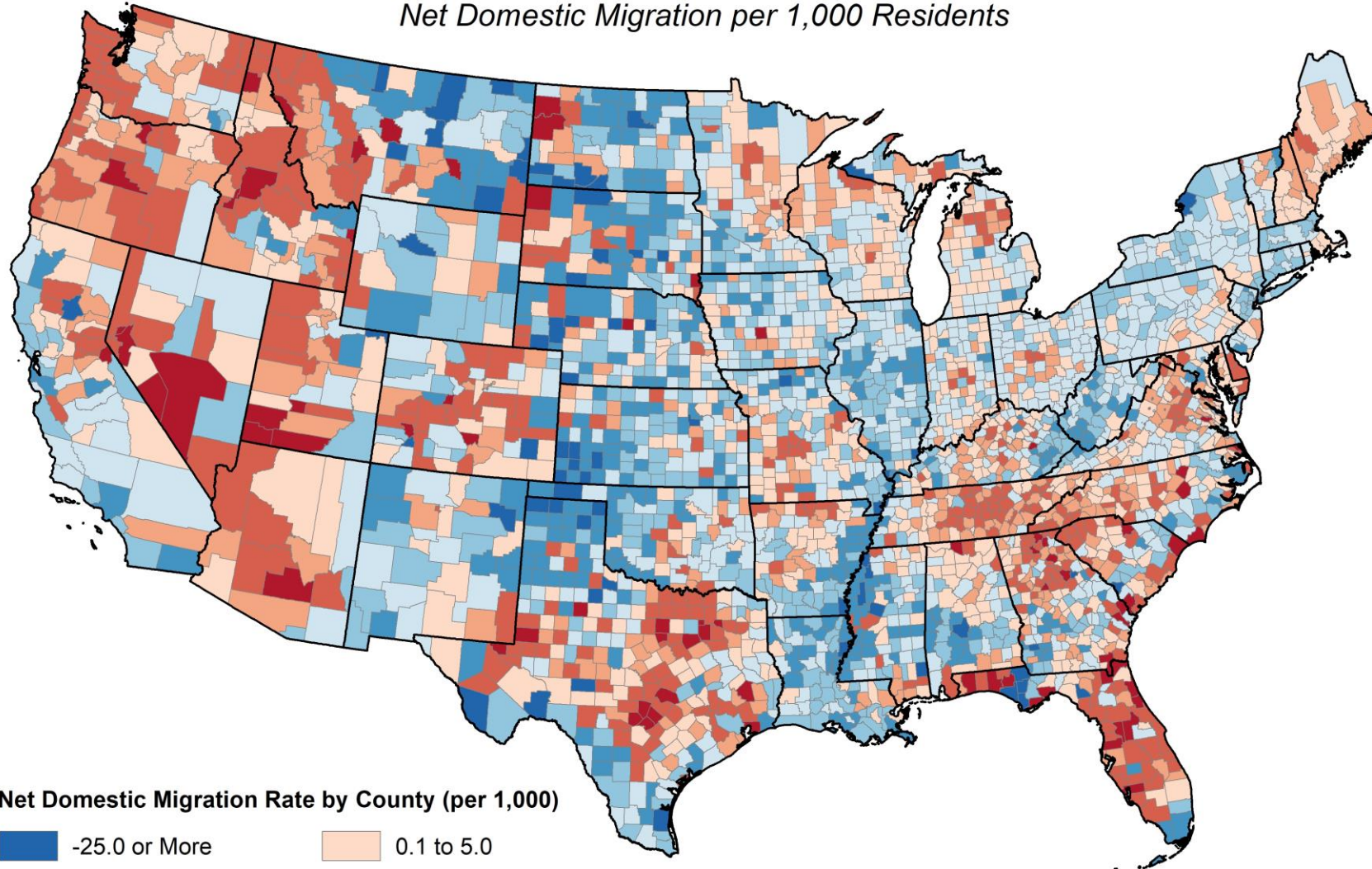
-  Statistically Significant Change
-  Not Significant Change

Data Sources: U.S. Census Bureau American Community Survey

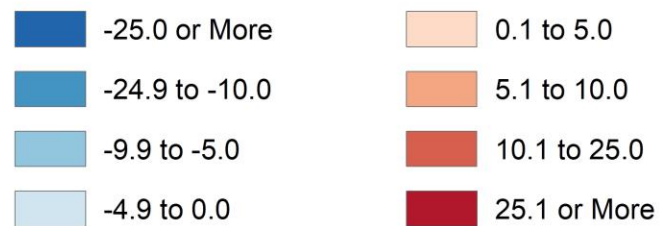


# Net Domestic Migration Rate by County - 2018 to 2019

*Net Domestic Migration per 1,000 Residents*



**Net Domestic Migration Rate by County (per 1,000)**



Data Sources: U.S. Census Bureau

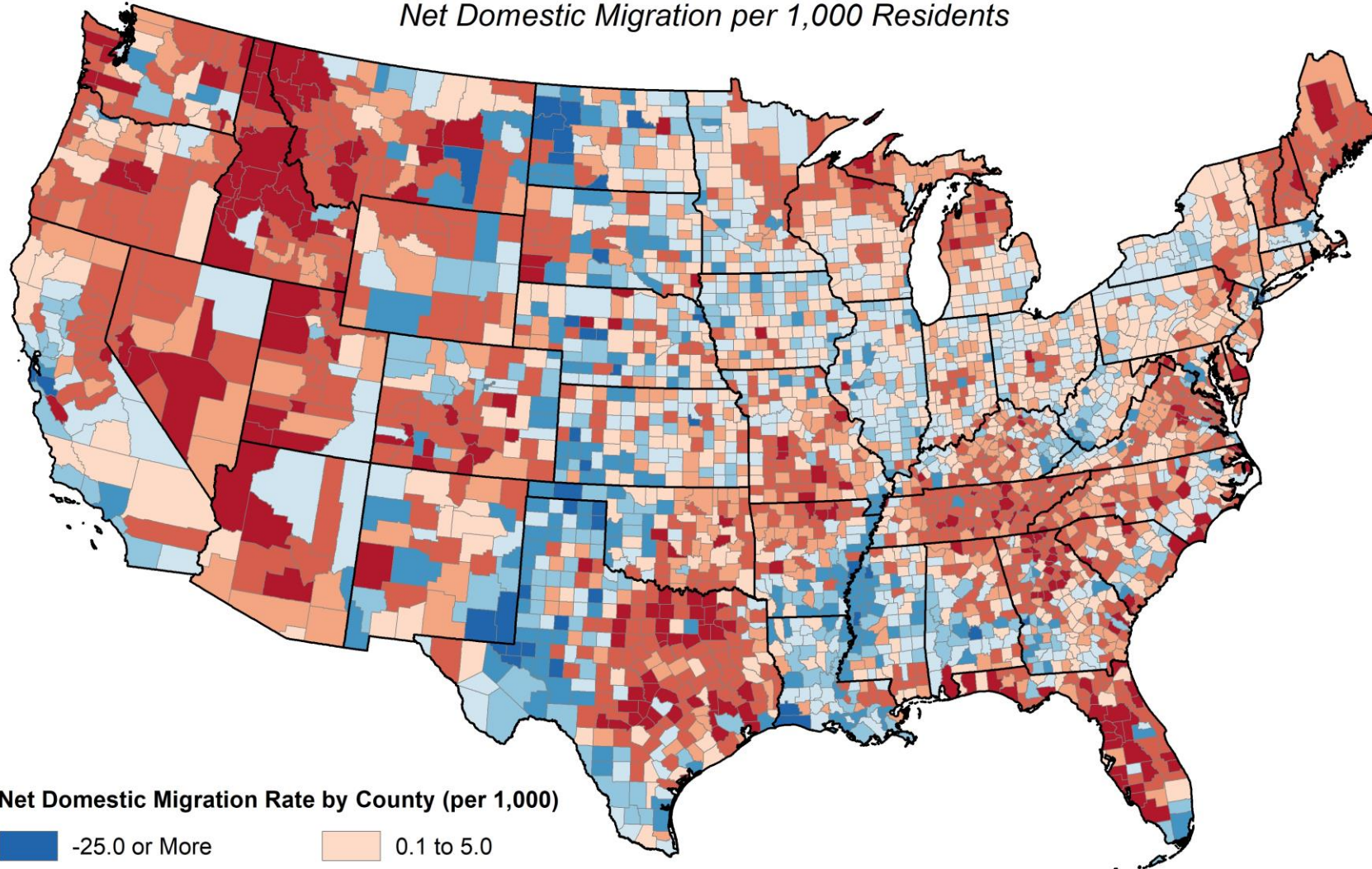


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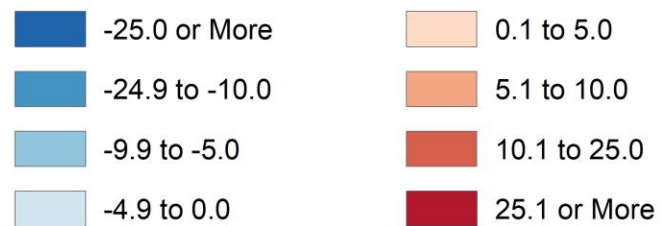


# Net Domestic Migration Rate by County - 2020 to 2021

*Net Domestic Migration per 1,000 Residents*



**Net Domestic Migration Rate by County (per 1,000)**

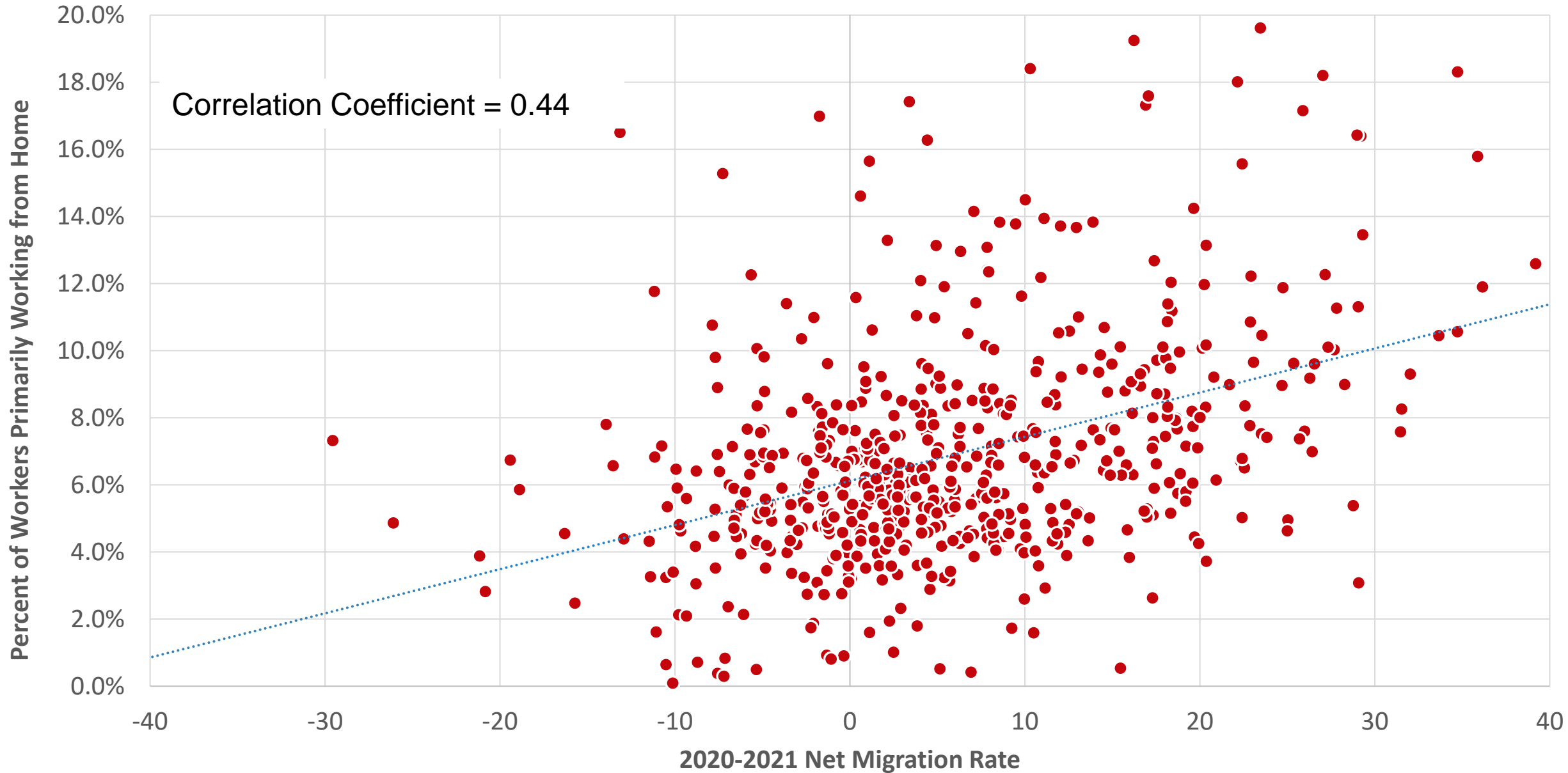


Data Sources: U.S. Census Bureau

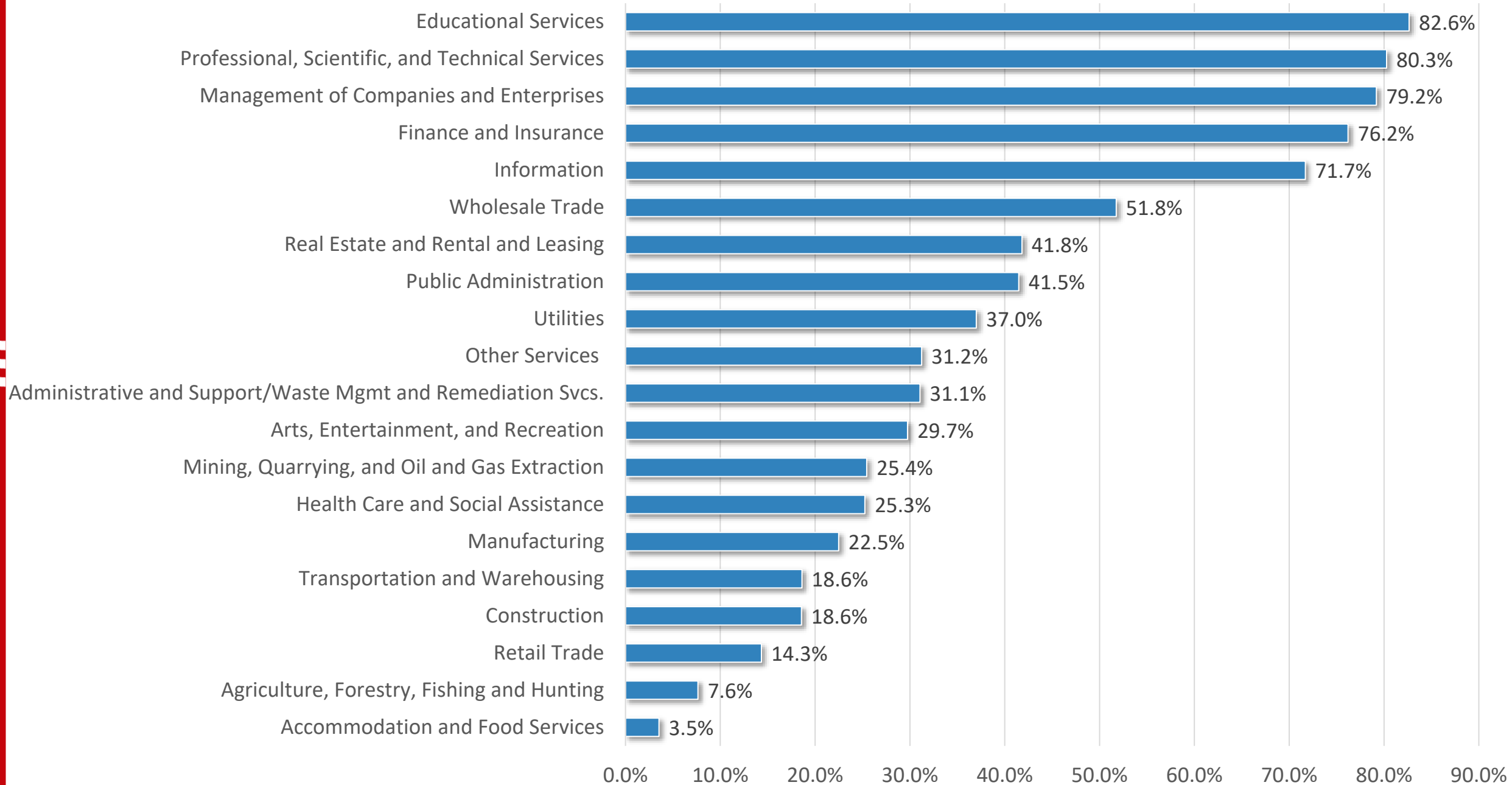


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# Share of Employees Primarily Working at Home (2017-2021) vs. 2020-2021 Net Migration Rate – U.S. Nonmetro Counties

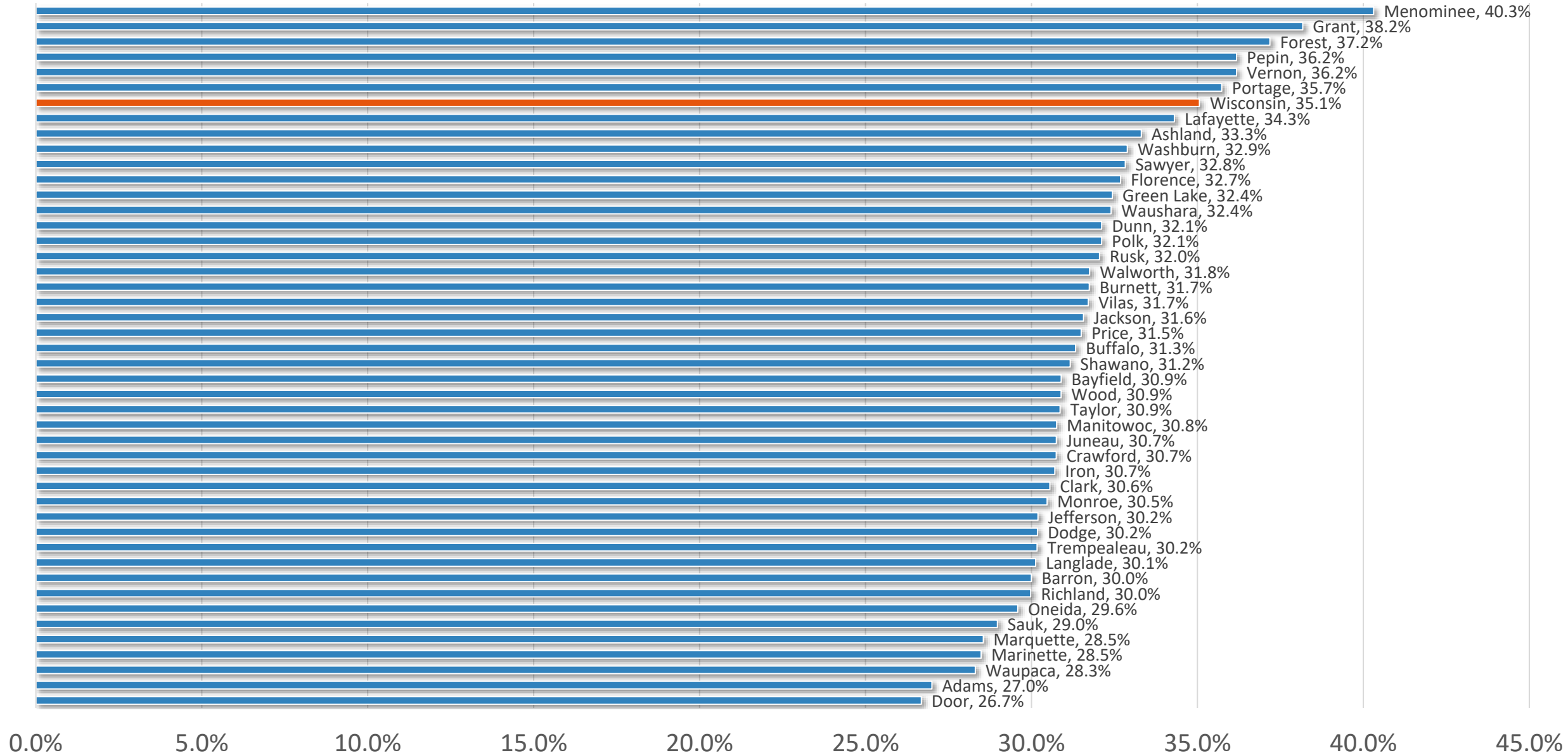


# Percent of Jobs that can be Done from Home by Industry Sector



# Will WFH Influence Nonmetro Commuting Patterns?

## Percent of Jobs that can be Performed at Home – Wisconsin Nonmetro Counties



# Contact Information

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