



# Understanding Employment

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The views expressed herein are those of the author and not necessarily those of the Federal Reserve Bank of Minneapolis or the Federal Reserve System.





#### The Federal Reserve's "dual mandate"

- Stable prices
- Maximum employment





#### **PCE** inflation

12-month percent change



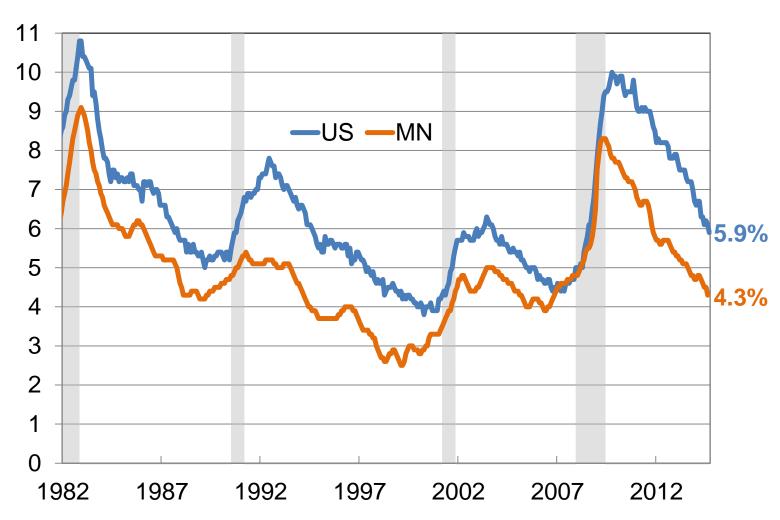
Source: Bureau of Economic Analysis





# **Unemployment rate**

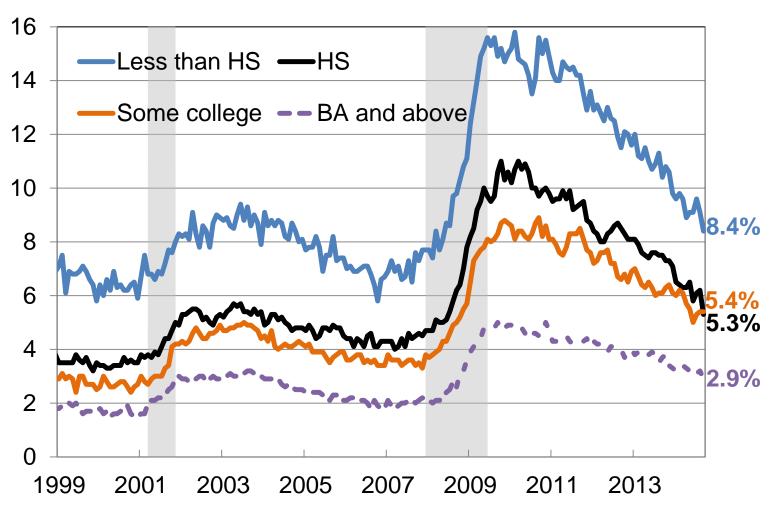
Percent







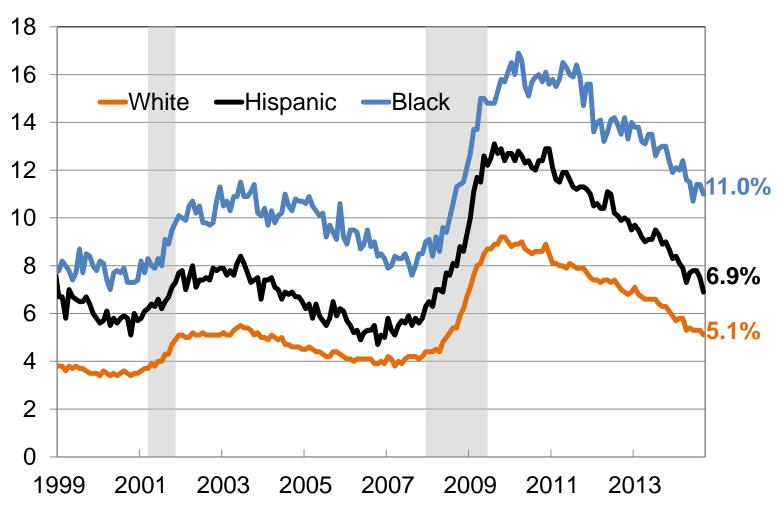
# U.S. unemployment rate by education, age 25+







# U.S. unemployment rate by race and ethnicity Percent

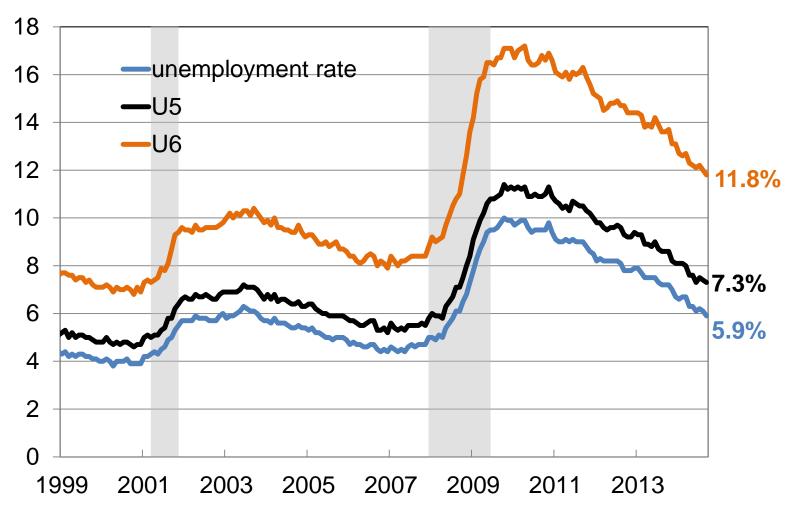






## **Alternative measures of unemployment**

Percent







#### Labor market statistics we've considered

- Unemployment rate
- U5
- U6





# What about labor force participation?

unemployment

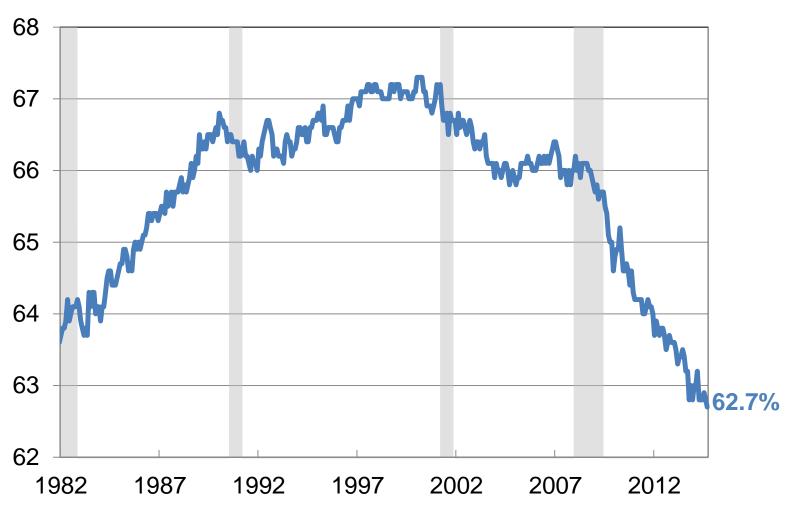
labor force participation =





## U.S. labor force participation rate

Percent

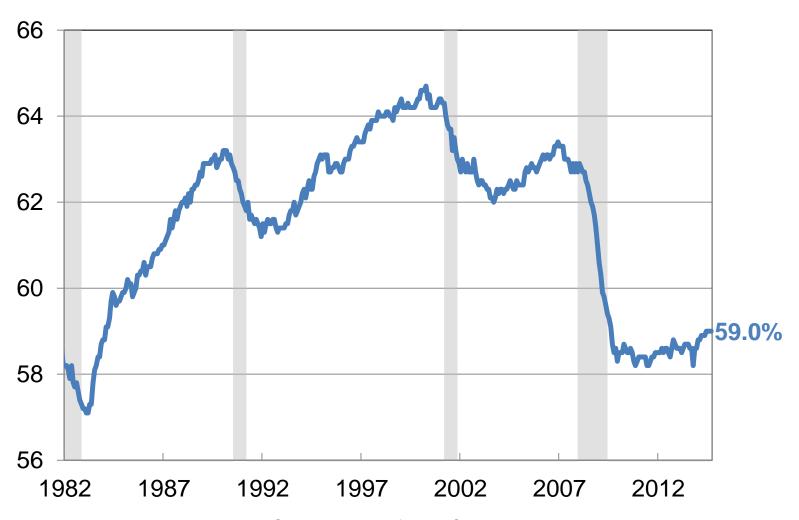






## U.S. employment-population ratio

Percent

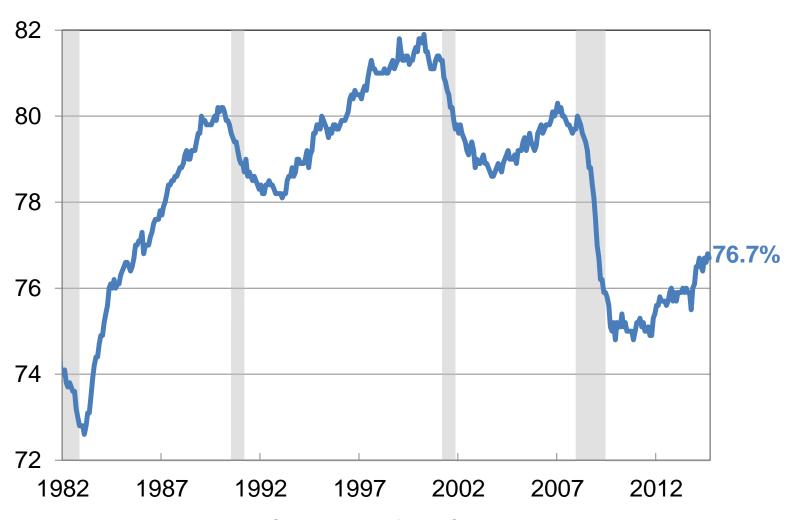






# U.S. employment-population ratio, age 25-54

Percent







#### Labor market statistics we've considered

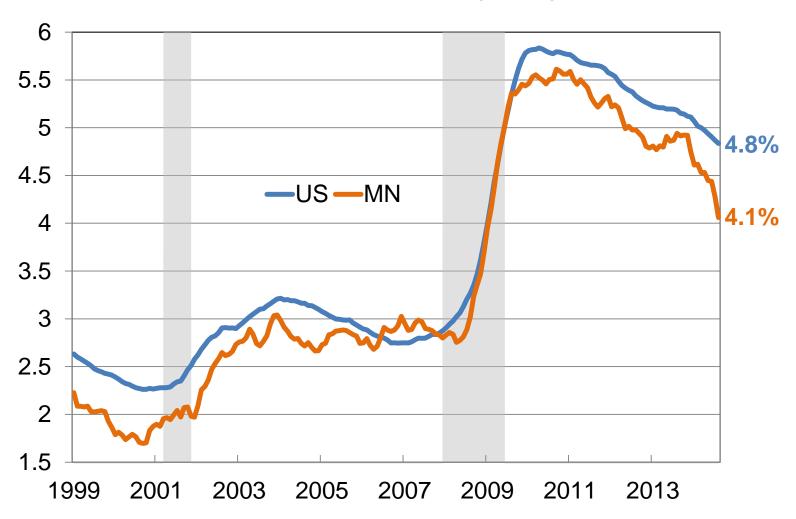
- Unemployment rate
- U5
- U6
- Labor force participation
- Employment-population ratio





#### Labor force working part-time for economic reasons

Percent, 12-month moving average



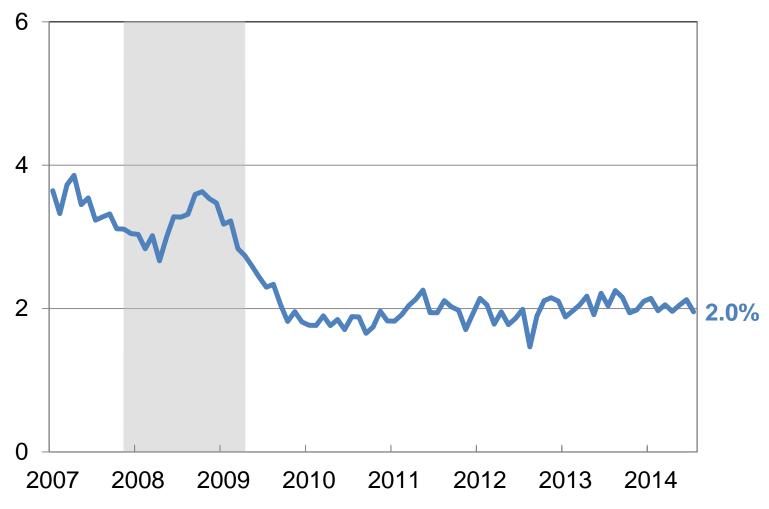
Source: Bureau of Labor Statistics; Minneapolis Fed calculation





## U.S. average hourly earnings

1-year percent change; private industry







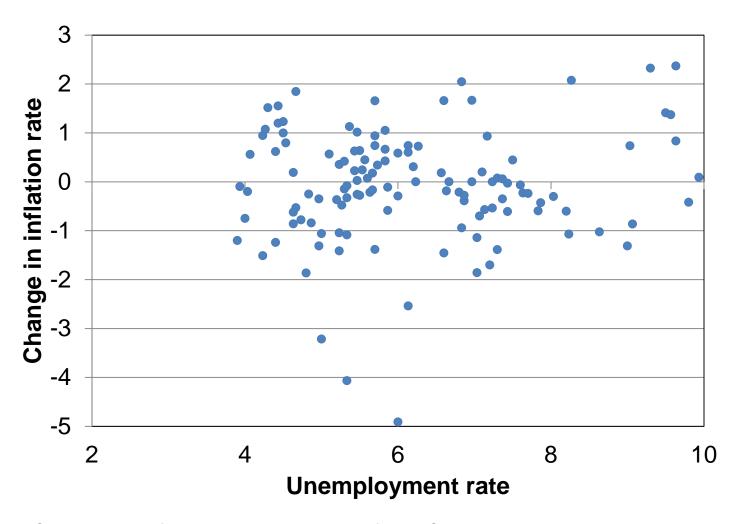
#### Labor market statistics we've considered

- Unemployment rate
- U5
- U6
- Labor force participation
- Employment-population ratio
- Involuntary part-time employment
- Hourly earnings growth
- And we could add more ...





#### Inflation vs. unemployment, 1984-present



Source: Bureau of Economic Analysis, Bureau of Labor Statistics; annual changes, quarterly data.





# **Questions?**