

# Labor Market Developments

38th Annual Economic Outlook Symposium at the Federal Reserve Bank of Chicago

December 6, 2024

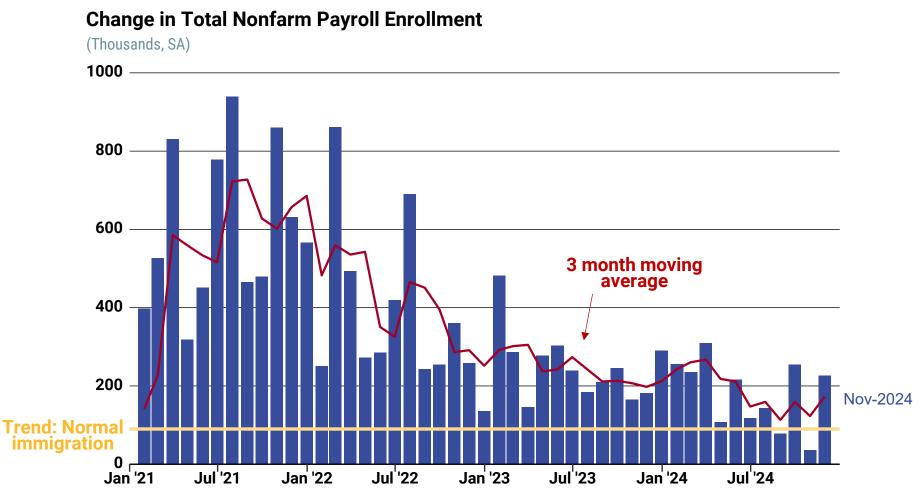
**Daniel Sullivan** *Executive Vice President* Federal Reserve Bank of Chicago

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### Interesting times

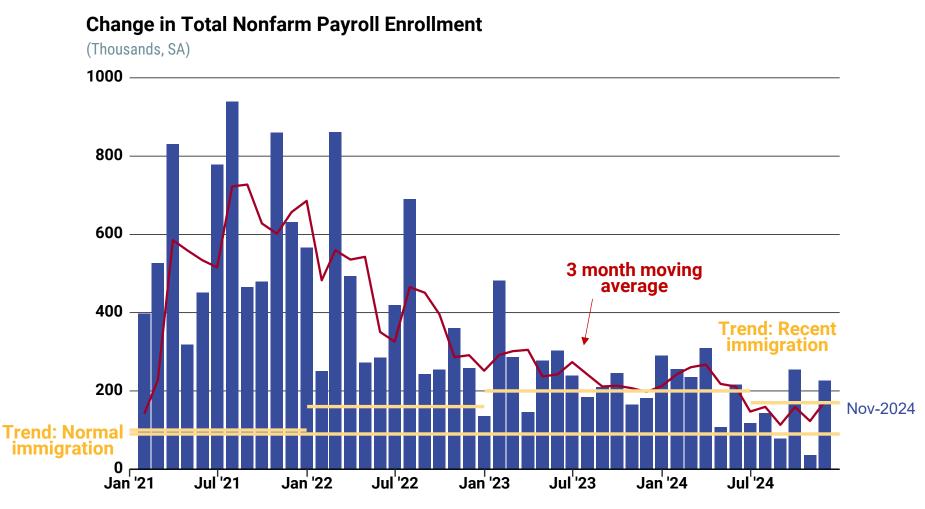
- The labor market remains healthy, but has softened significantly over the last two and a half years
  - Mainly via decreased job vacancies rather than higher unemployment
- Nominal wage growth initially didn't keep up with inflation
  - Could stay elevated longer to make up for previous real decline
  - Strong productivity growth could also support faster wage gains
- Recent and future employment growth highly dependent on immigration policy developments
  - Which are quite uncertain now and will be for the next few years
  - Suggests paying somewhat less attention to monthly payroll gains and more to actual changes in the unemployment rate

# Payroll employment gains slowing



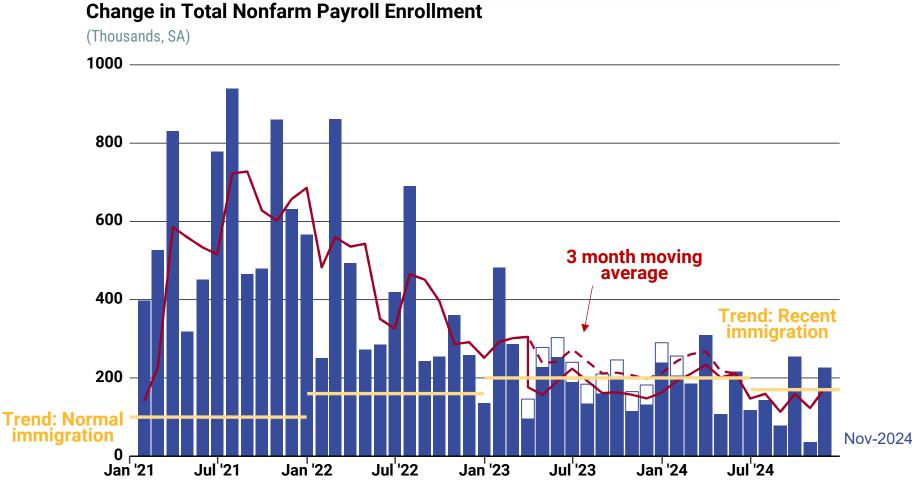
Source: Bureau of Labor Statistics via Haver Analytics

# Benchmark levels have risen due to immigration



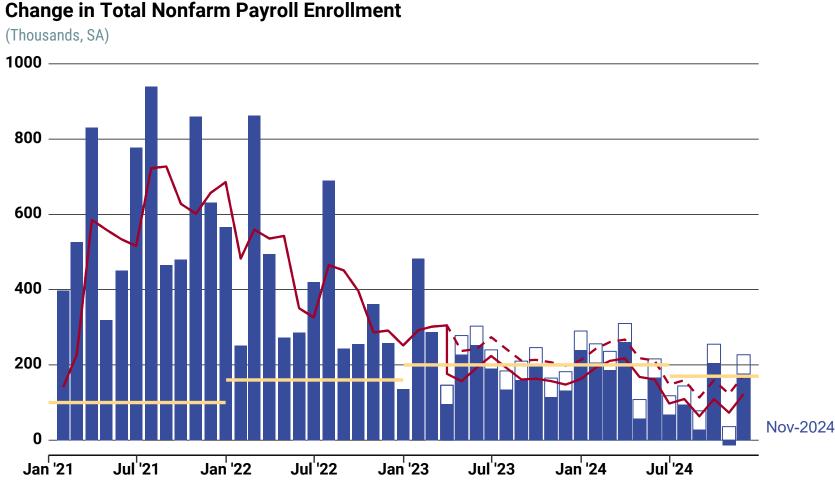
Source: Bureau of Labor Statistics via Haver Analytics

## Benchmark levels have risen due to immigration



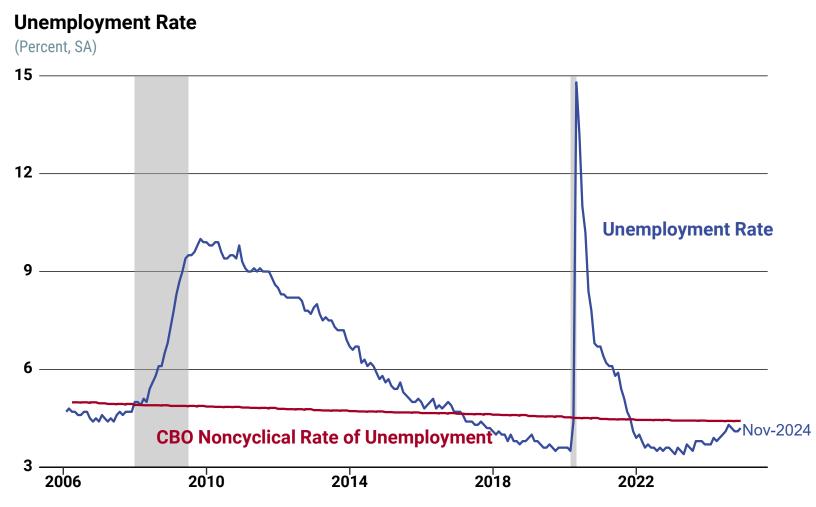
Source: Bureau of Labor Statistics via Haver Analytics

# Increases slightly below constant u benchmark



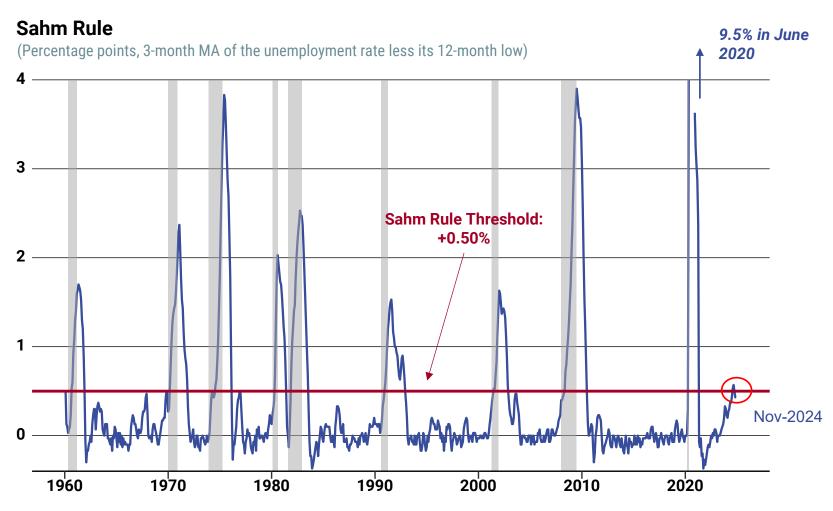
Source: Bureau of Labor Statistics via Haver Analytics

# Unemployment remains low, but has risen



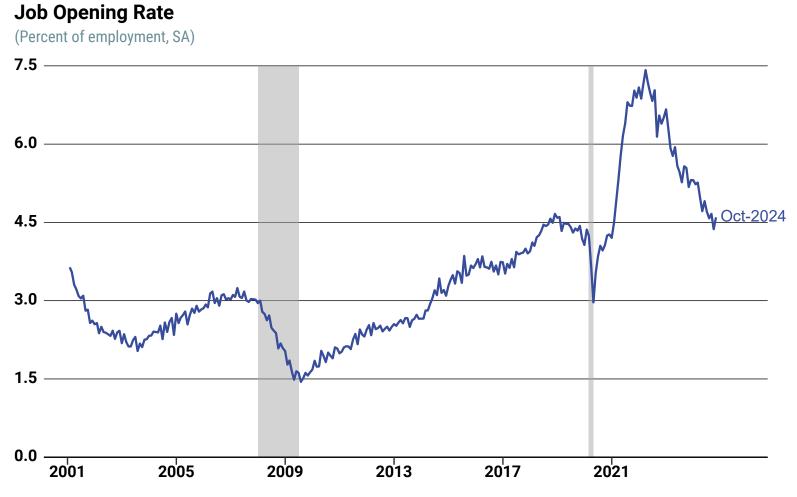
Source: Bureaur of Labor Statistics and Congressional Budget Office via Haver Analytics

### Flirting with the Sahm-rule recession indicator



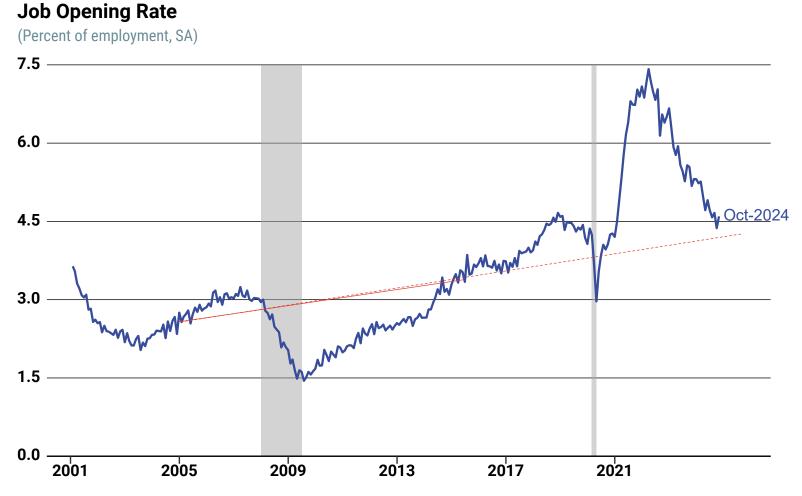
Source: Claudia Sahm via Haver Analytics

# Job openings rate down substantially



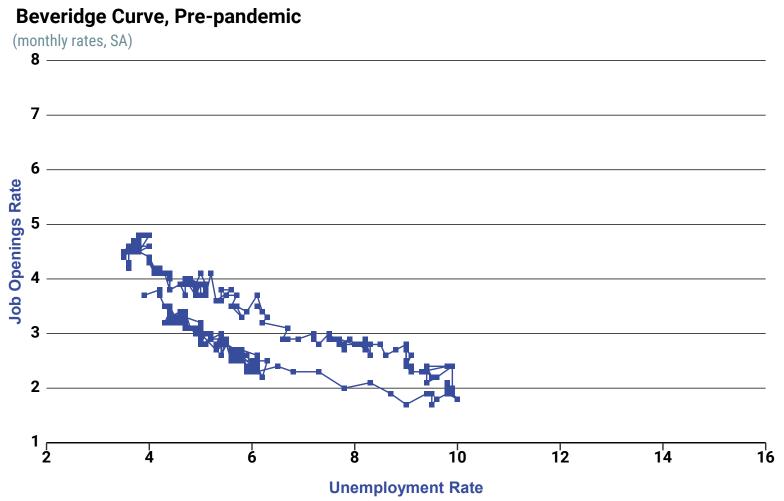
Source: Bureau of Labor Statistics via Haver Analytics

# Job openings rate down relative to trend



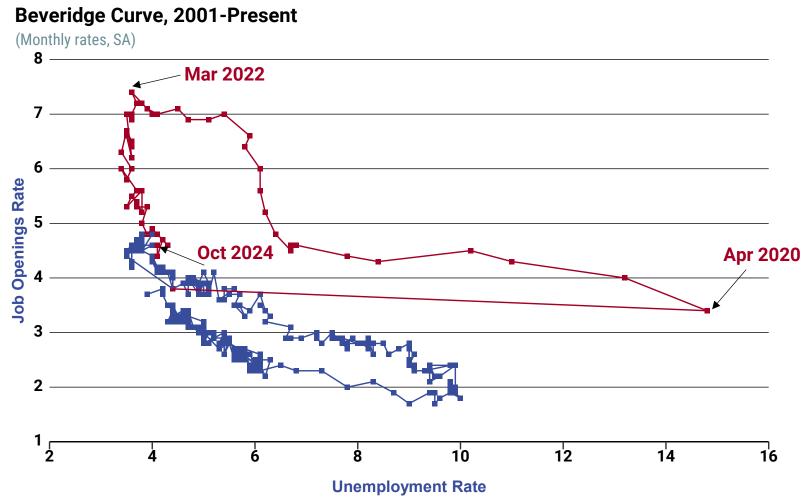
Source: Bureau of Labor Statistics via Haver Analytics

### Pre-Pandemic Beveridge Curve



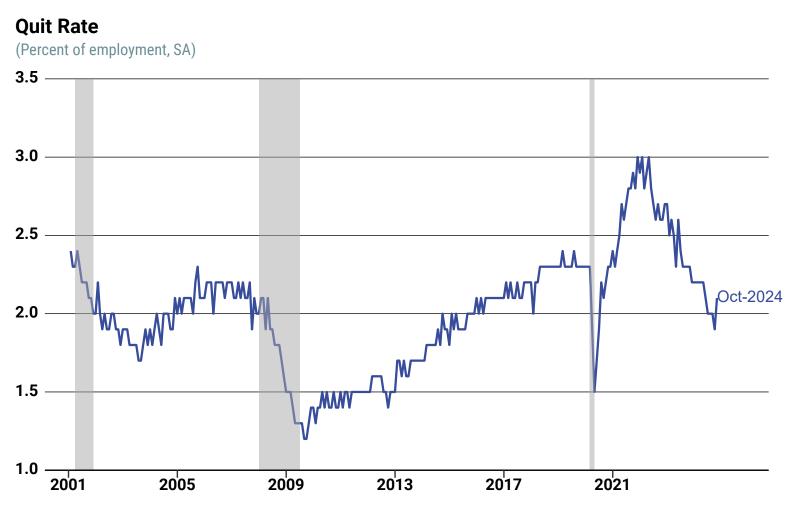
Source: Bureau of Labor Statistics, JOLTS, and Current Population Survey via Haver Analytics

### Beveridge Curve shifted out, then back in



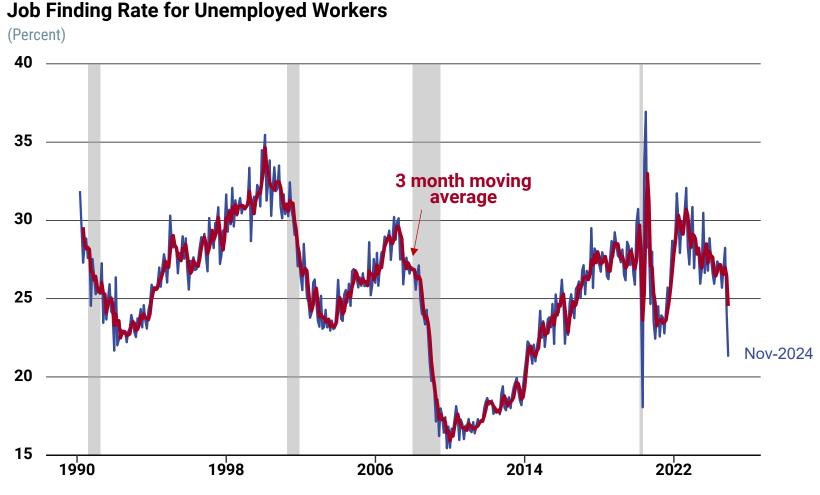
Source: Bureau of Labor Statistics, JOLTS, and Current Population Survey via Haver Analytics

### Fewer workers quitting means fewer job openings



Source: Bureau of Labor Statistics via Haver Analytics

# Unemployed workers taking longer to find jobs

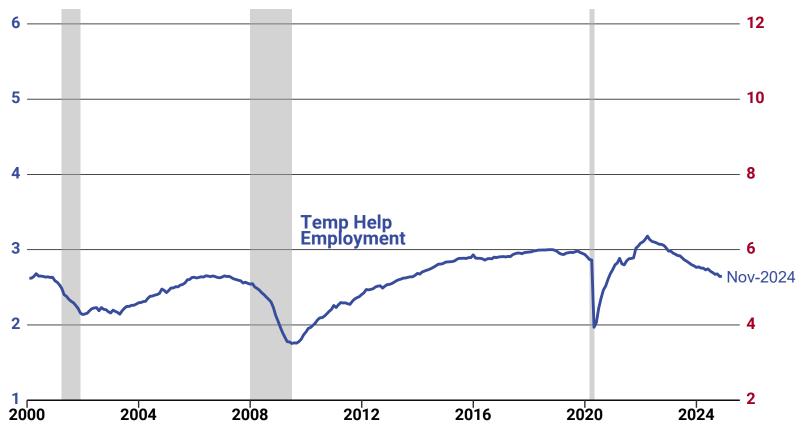


Source: Bureau of Labor Statistics via Haver Analytics

# Temp services employment has been falling

### **Job Openings and Temporary Employment**

(Million)

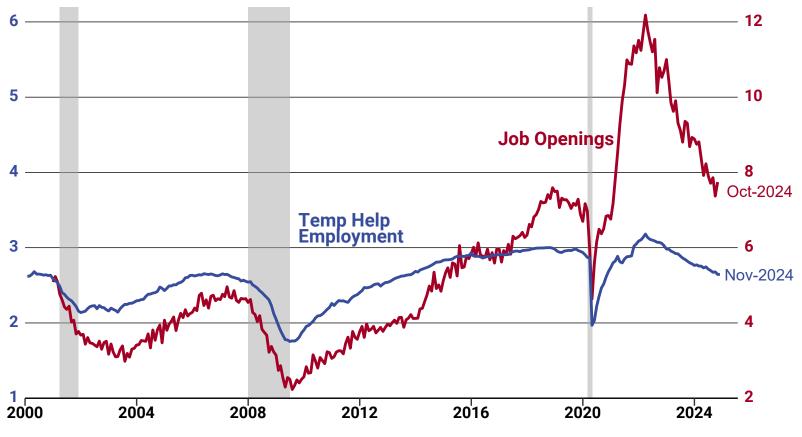


Source: BLS via Haver Analytics

# Temp employment falling along with openings

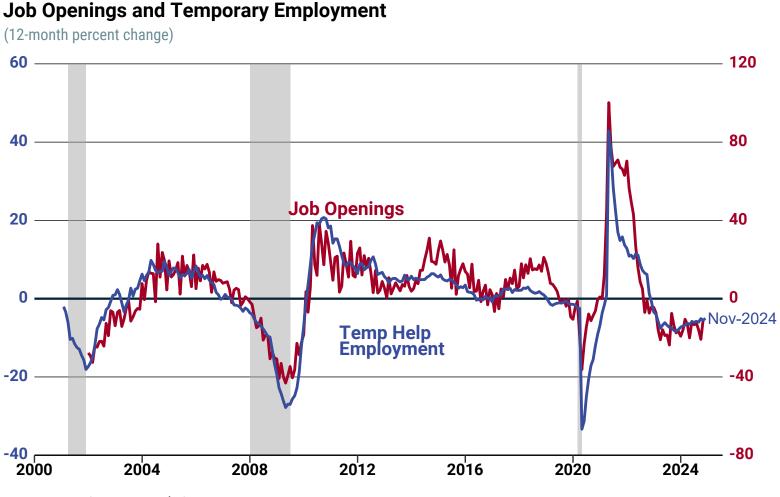
**Job Openings and Temporary Employment** 

(Million)



Source: BLS via Haver Analytics

# Job openings and temp growth highly correlated

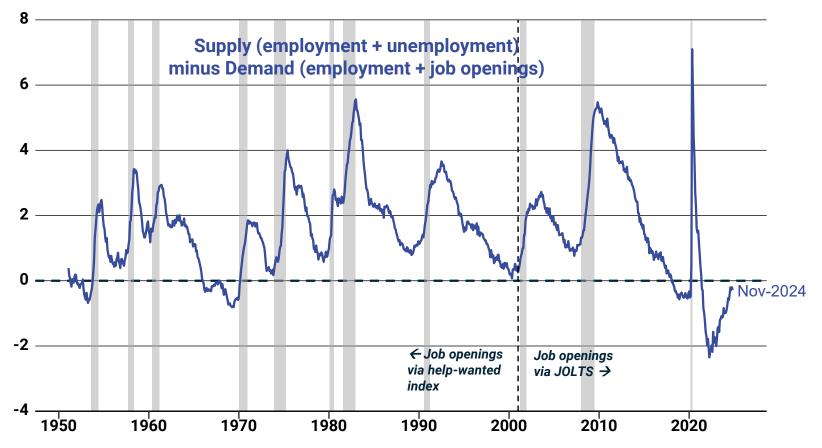


Source: BLS via Haver Analytics

# Labor demand and supply nearer to balance

### **Unemployed Workers Minus Job Openings**

(Percent of civilian noninstitutional population)



Source: Bureau of Labor Statistics via Haver Analytics; pre-2001 job openings data extrapolated from help-wanted index via Barnichon (2010)

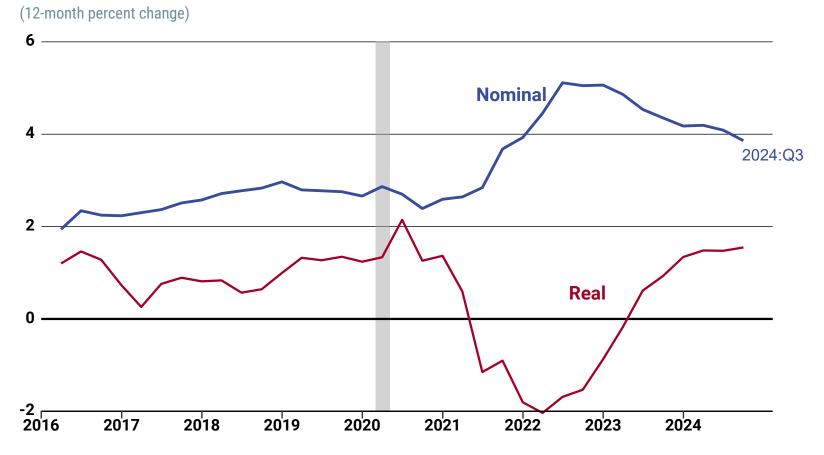
# Nominal wage growth still somewhat elevated



Source: BLS via Haver

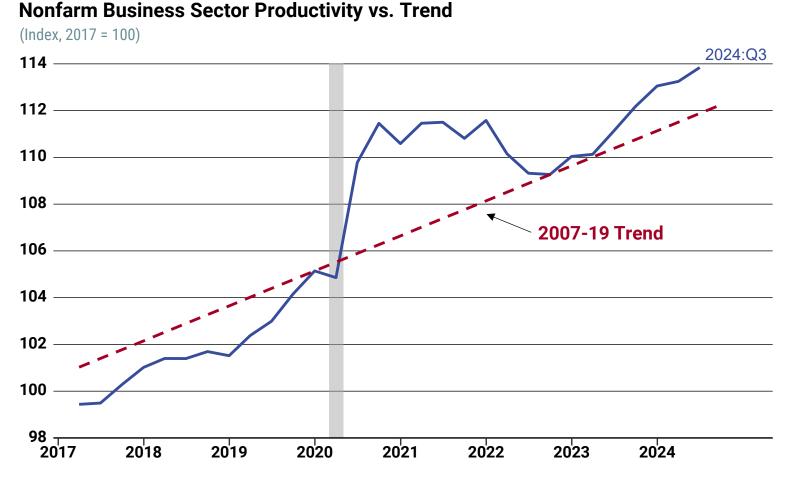
# Nominal wage growth has been moderating

### **Employment Cost Index: Civilian Workers**



Note: Real ECI is nominal ECI deflated by the price index for total personal consumption expenditures. Source: Bureau of Labor Statistics via Haver Analytics

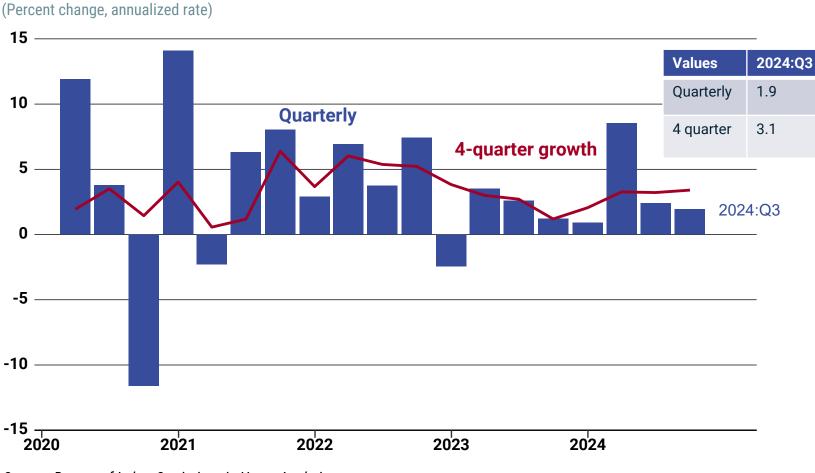
### Productivity has surged recently



*Note: Trend calculated from 2007:Q1 to 2019:Q4 Source: BLS via Haver Analytics; staff calculations* 

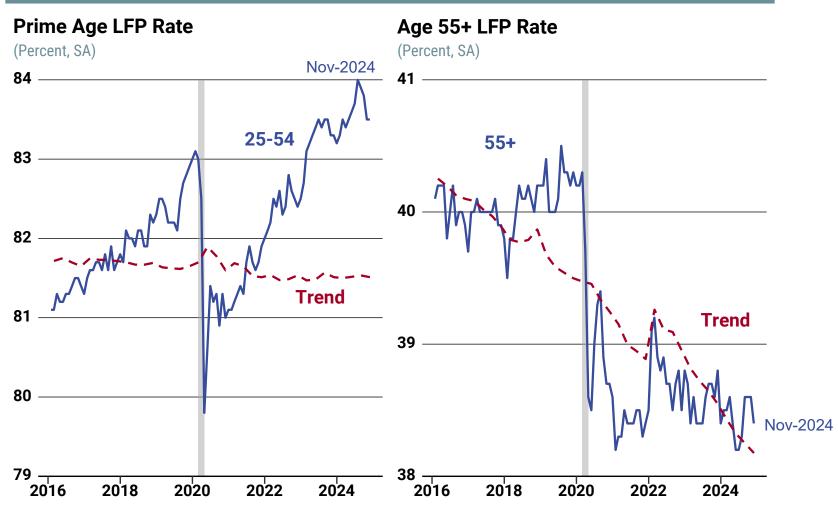
# Wage growth adjusted for productivity

### **Unit Labor Costs: Nonfarm Business Sector**



Source: Bureau of Labor Statistics via Haver Analytics

# Prime age labor force participation has risen



Source: Bureau of Labor Statistics from Haver Analytics; Daniel Aaronson, Luojia Hu, Arian Seifoddini, Daniel G. Sullivan. 2015. 'Changing Labor Force Composition and the Natural Rate of Unemployment'. Chicago Fed Letter, No. 338, 2015. https://www.chicagofed.org/publications/chicago-fed-letter/2015/338

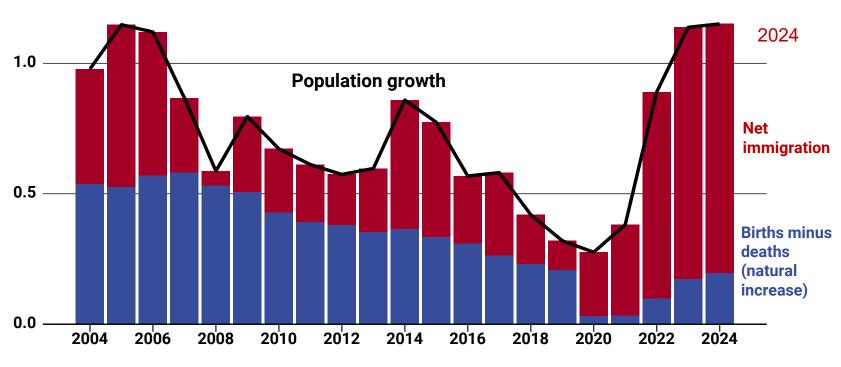
#### 23 US Economic Outlook

# Immigration appears to have jumped sharply

### **CBO Estimates of Contributions to 16+ Population Growth Rate**

(Percent)





Source: Congressional Budget Office

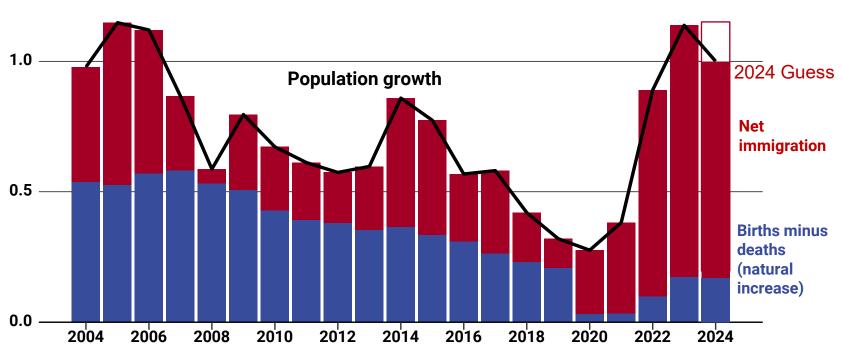
### Census estimates lower population growth

- Census Bureau estimates of net immigration largely derived
  from their American Community Survey
  - These likely are *too low* for recent years
  - Census should eventually get things right, but it will take time
  - They will not quickly reflect a sharp fall in net immigration either
    - Census estimates of population growth may be too high in coming years
- This implies the household survey measure of employment growth is likely (way) too low
  - Survey directly estimates employment-to-population ratio
  - Employment level obtained by multiplying by Census Bureau's population estimate, which is likely too low

# Immigration appears to have slowed somewhat

CBO Estimates of Contributions to 16+ Population Growth Rate Plus 2024 Guess (Percent)

1.5 —



Source: Congressional Budget Office

### What's coming next? Less immigration

- Lower levels of net immigration => less employment growth
  - Brookings High scenario: 1.3 million net immigration in 2025
    - With 0.2 %-point decline in LFP => 50K/month payroll increases
    - With constant LFP => 90K/month
  - Brookings Low scenario: -0.6 million net immigration in 2025
    - With 0.2 %-point decline in LFP => 45K/month payroll decreases
    - With constant LFP => 0K/month payroll change
    - Low scenario becomes less extreme after 2025

### • Wages?

- Reduced labor supply suggests higher wages
- But lower immigration implies less labor demand as well
- Likely not a big net effect on wages (remember the Mariel boatlift)

### What's coming next? Higher tariffs

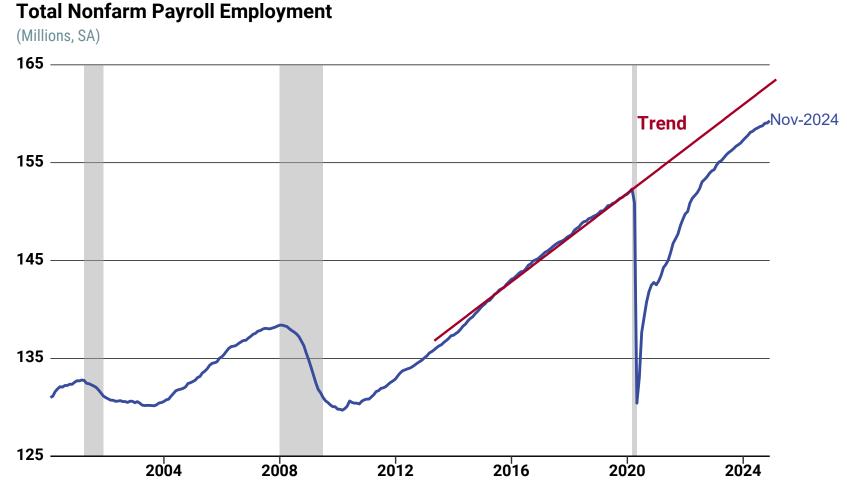
- Higher tariffs likely benefit some U.S. industries
  - Those that compete with imported finished products
- Higher tariffs likely hurt some U.S. industries
  - Those that import inputs to produce their products
  - Those that export anything
- Suggests that higher tariffs will force reallocation of labor
  - More layoffs by those that are hurt and more hiring by those that are helped
  - Suggests an outward shift of the Beveridge curve: higher job vacancies and higher unemployment
  - Likely negative for average labor productivity

# Summing up

- The labor market has softened, but remains relatively healthy
  - Small rise in unemployment, but a bigger drop in job openings
  - Quits are down and it's harder for unemployed workers to find jobs
- Wage growth is headed towards levels consistent with 2% inflation
- The benchmark for employment growth (needed to keep the unemployment rate steady) has been moving around
  - And will likely drop next year by an uncertain amount
  - Suggests putting more weight on changes in the unemployment rate and other CPS ratios as indicators of labor market health
- Much uncertainty about the possible extent and implications of lower net immigration and higher tariffs



# Employment somewhat below 2015-19 trend

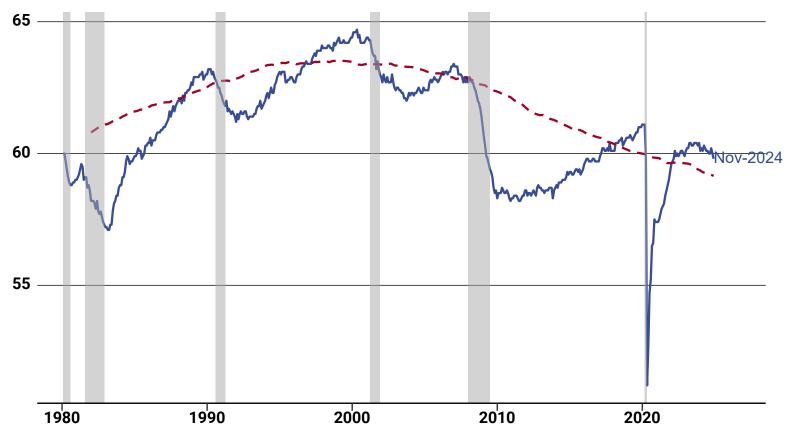


Source: Bureau of Labor Statistics via Haver Analytics

# Employment Rate falling in line with trend

### **Employment-Population Ratio**

(Percent, SA)



Source: Bureau of Labor Statistics via Haver Analytics; staff calculations

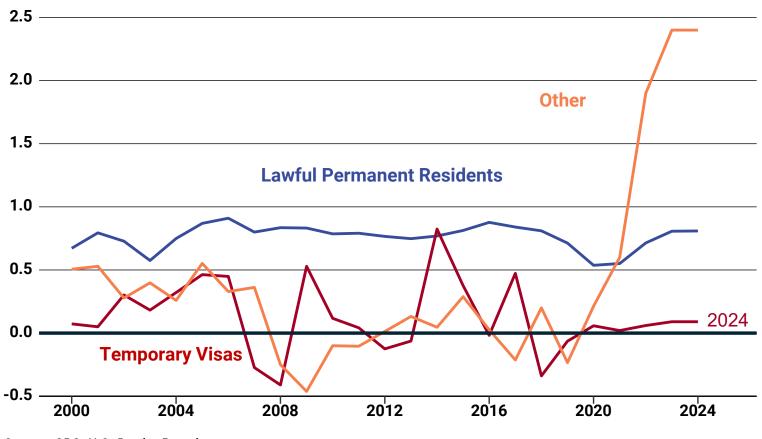
### Hours worked per week have fallen



Source: BLS via Haver Analytics

### Estimates of Net Immigration by Category, National Encounters

(Millions of people)

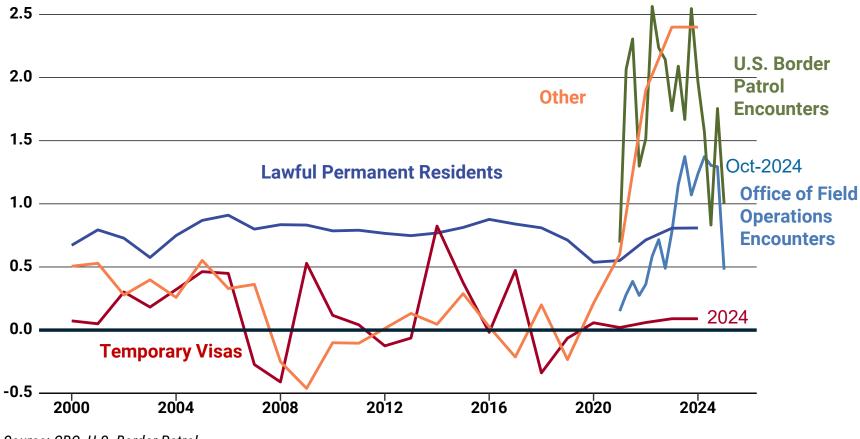


Source: CBO, U.S. Border Patrol

# Irregular boarder encounters declined mid 2024

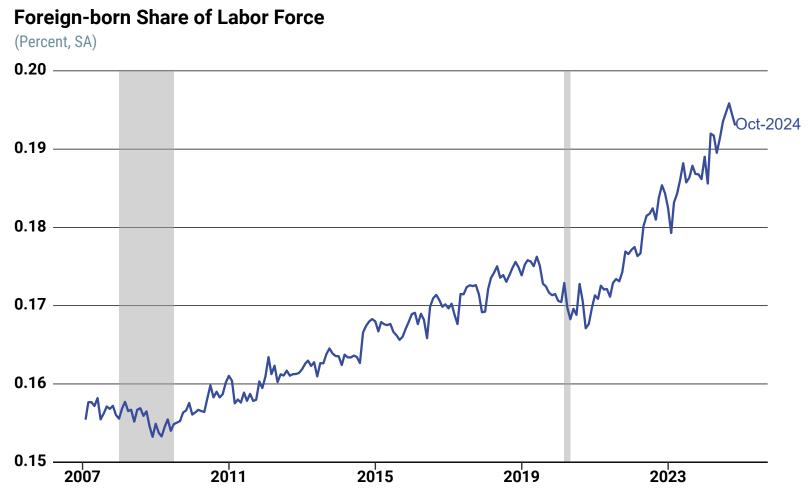
**CBO Estimates of Net Immigration by Category, National Encounters** 

(Millions of people)



Source: CBO, U.S. Border Patrol

### Foreign born share of labor force



Source: Bureau of Labor Statistics via Haver Analytics

#### Federal Reserve Bank of Chicago