

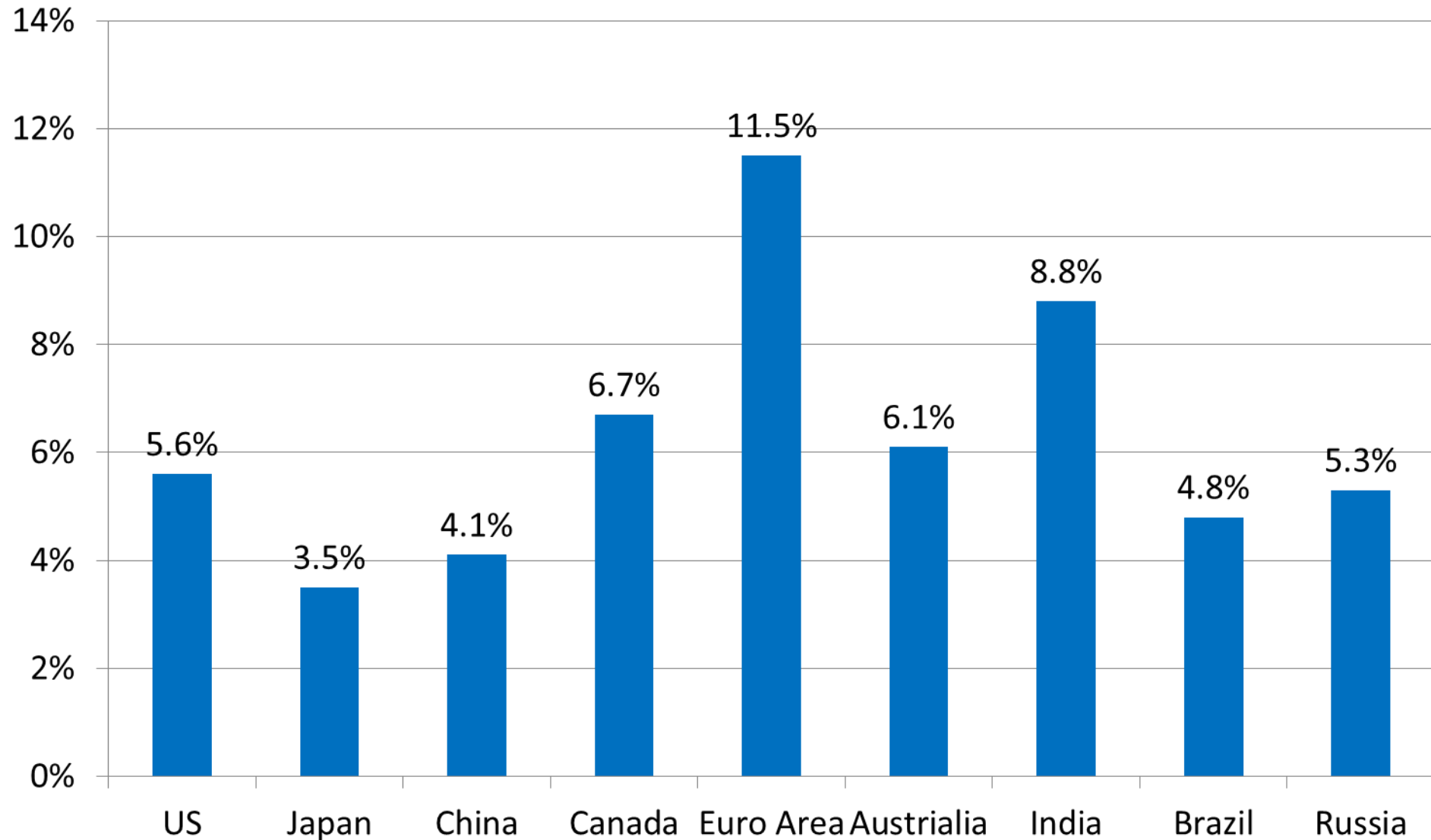
# Kentucky in Competitive Context



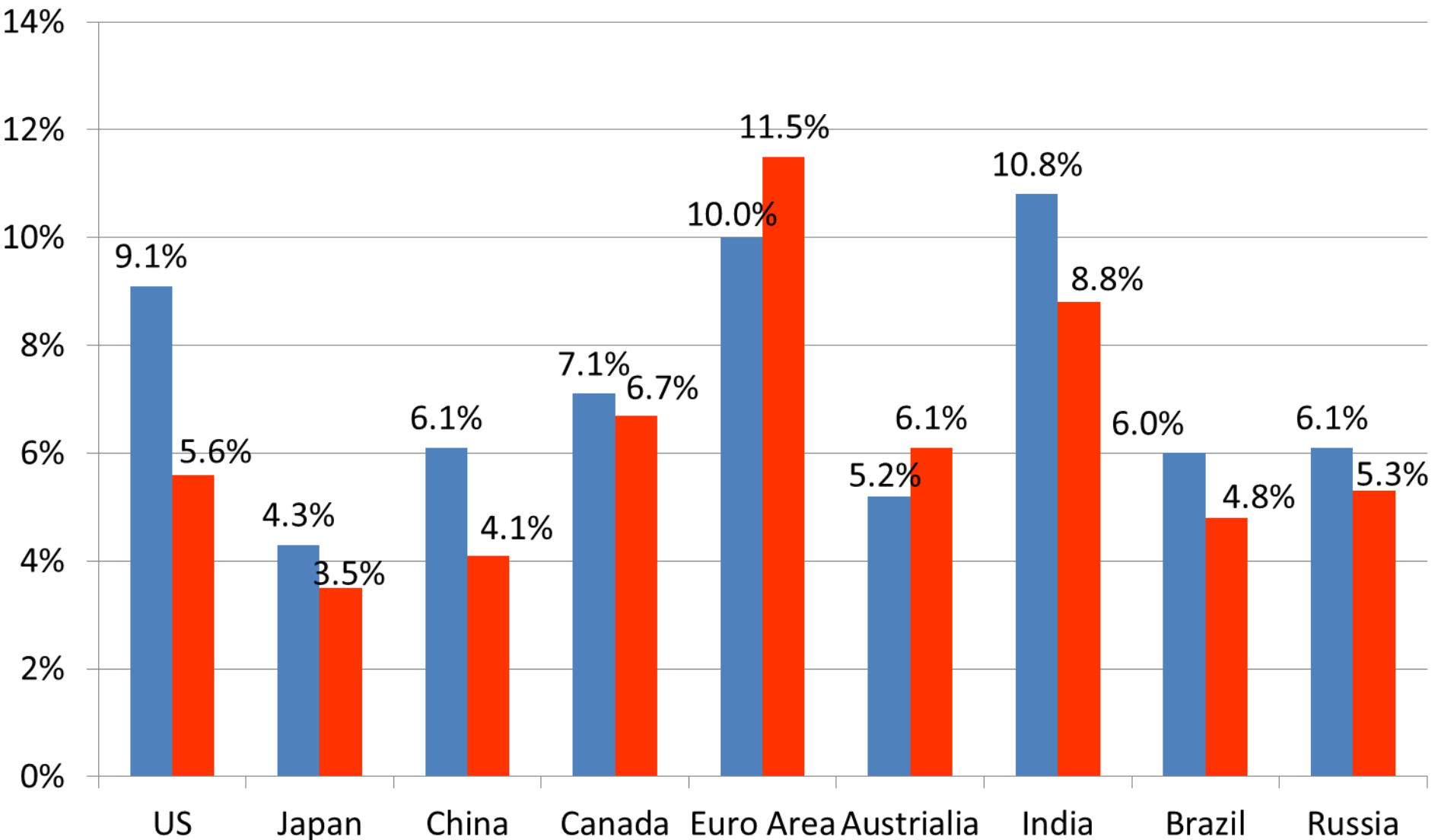


# Global Interdependence

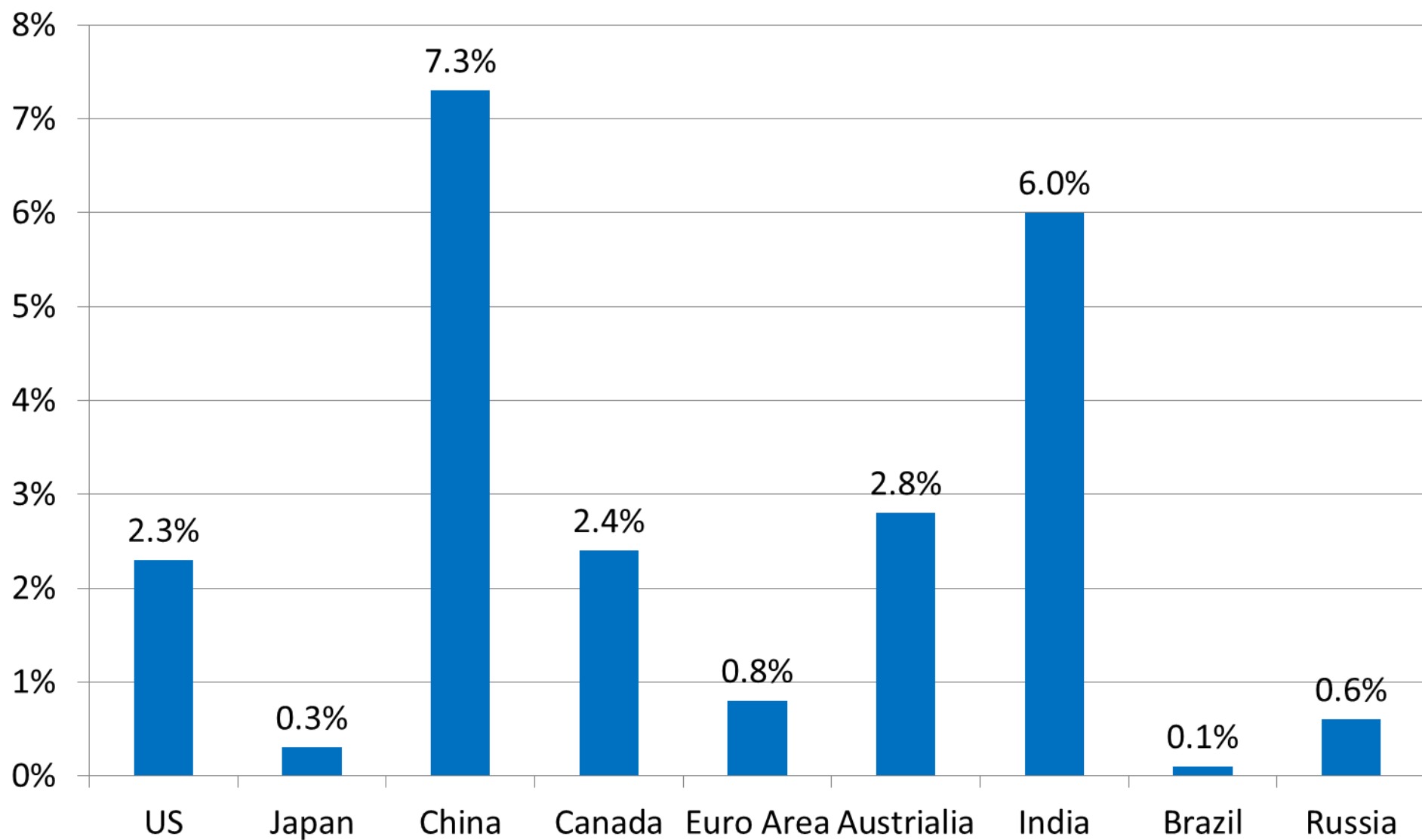
# Global Unemployment Rates



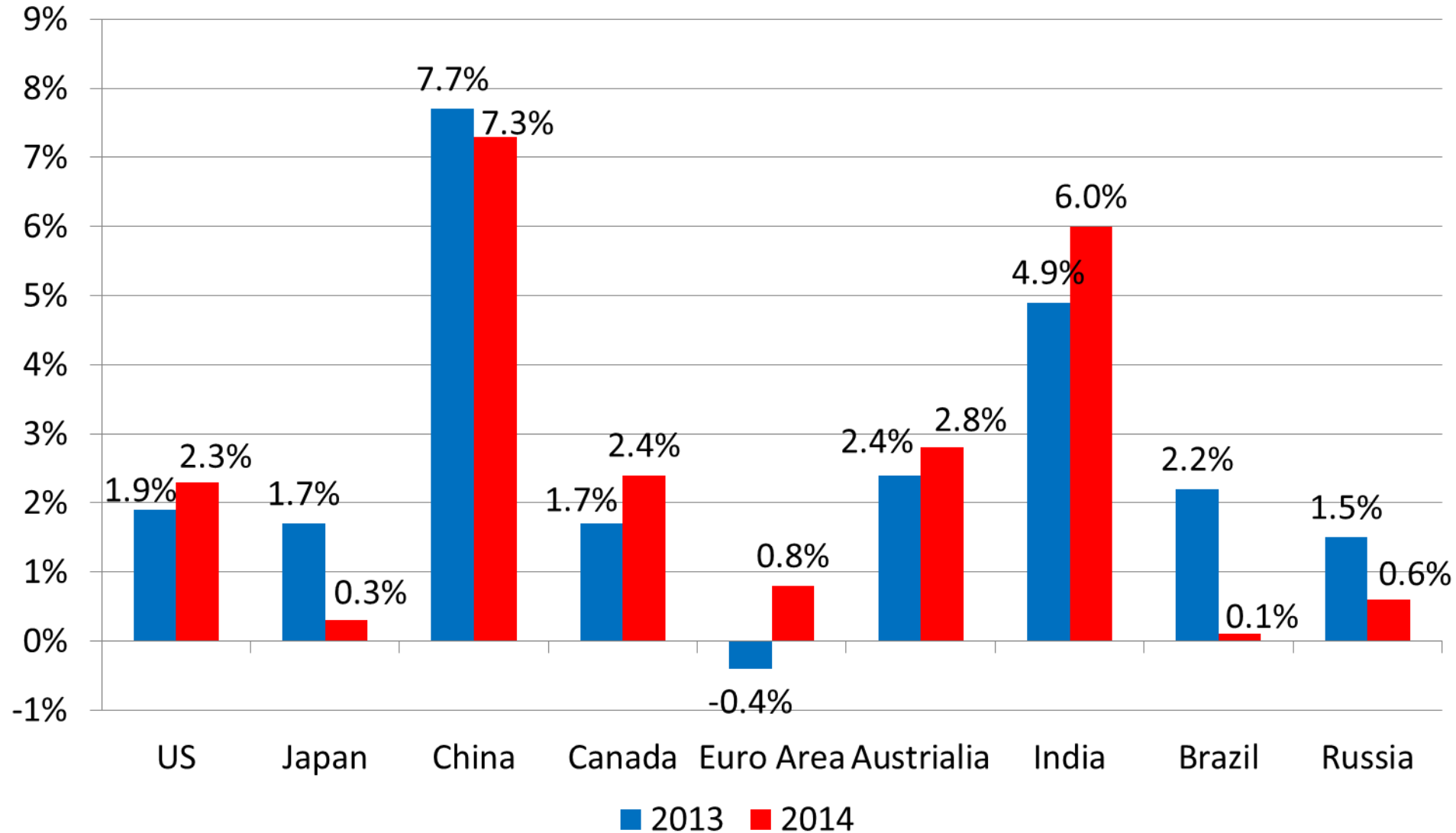
# Global Unemployment Rates- 4 Years



# Projected GDP 2014

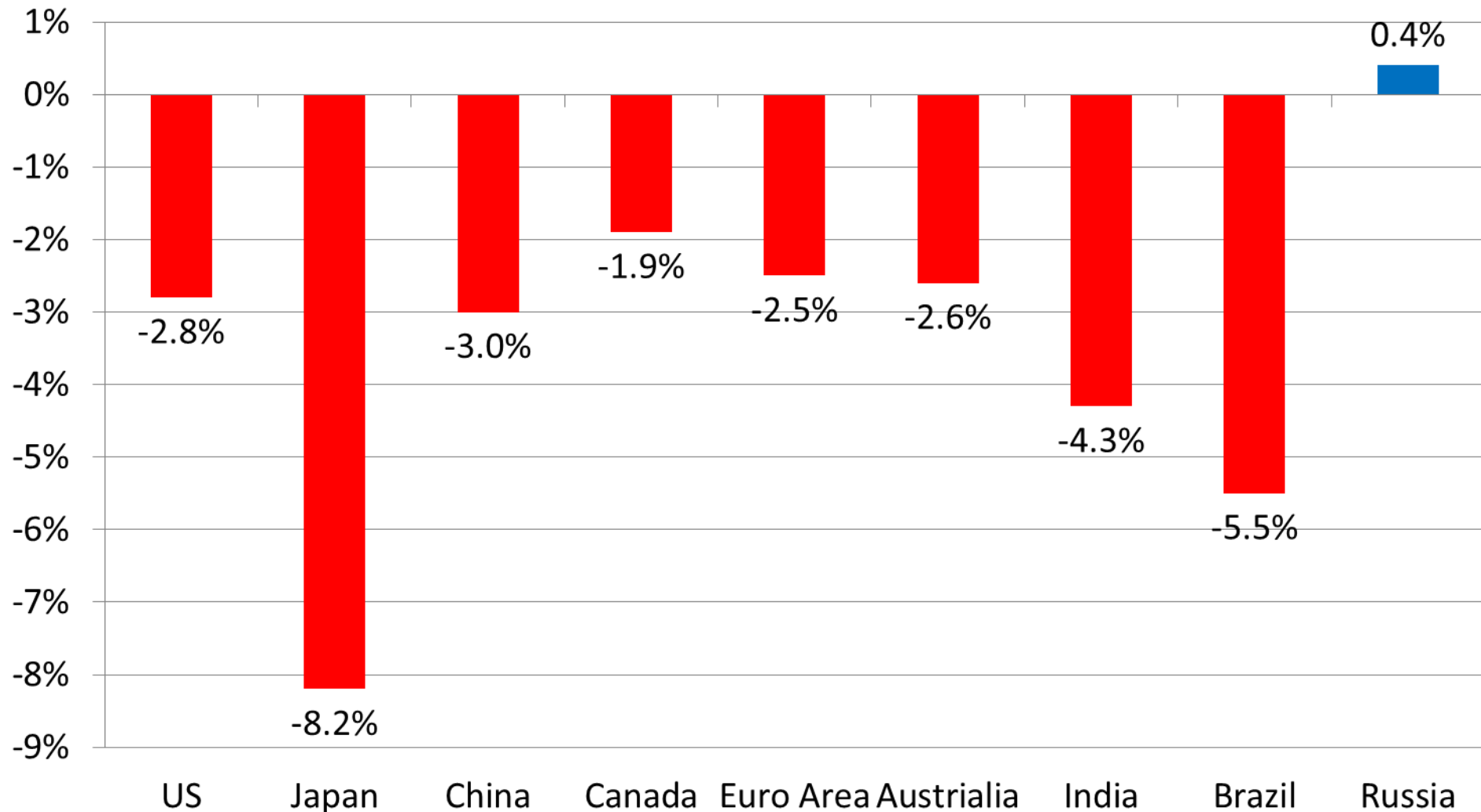


# Projected GDP 2013 & 2014

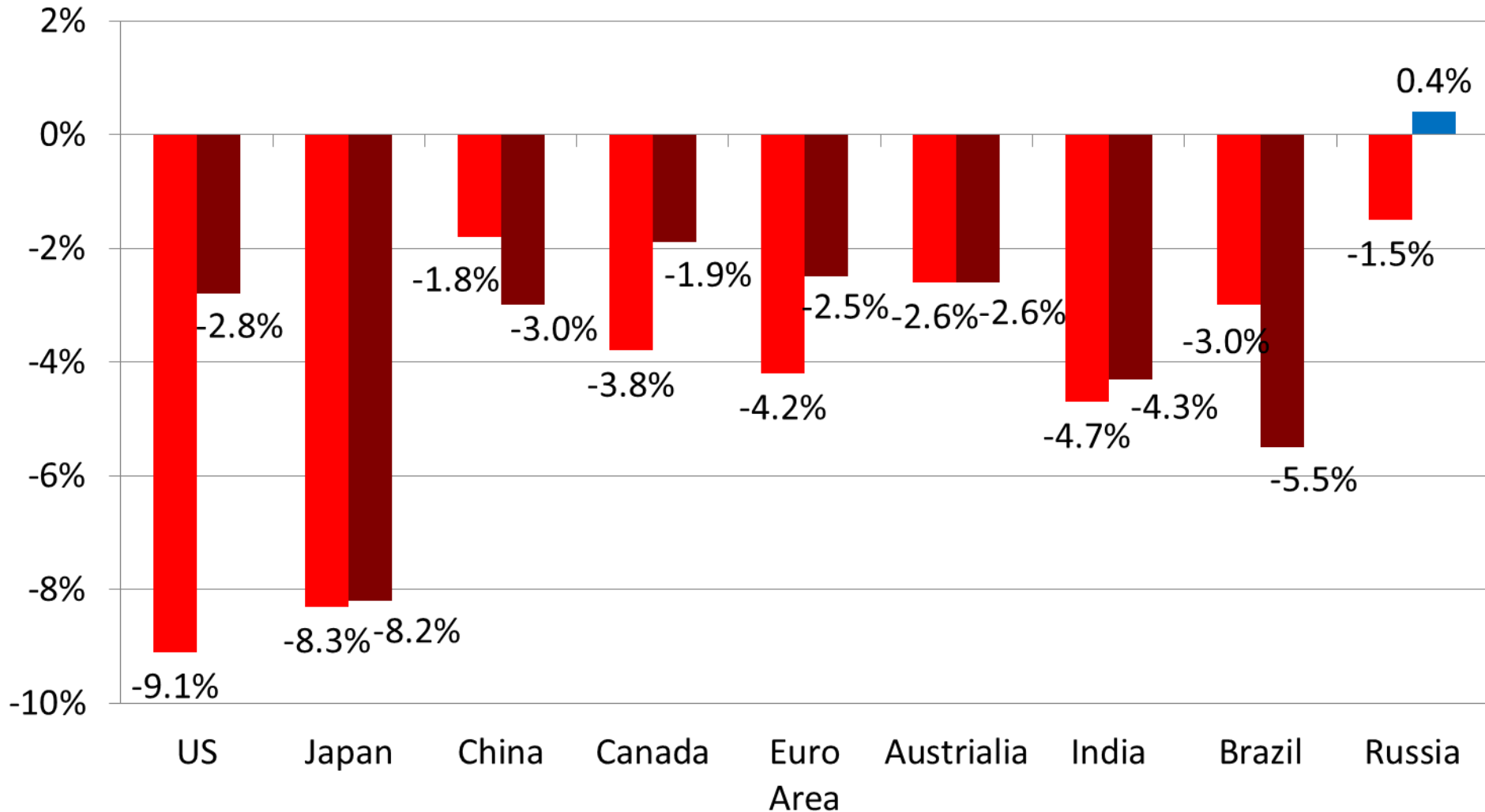


# Budget Balance as a % of GDP

## By Country 2014



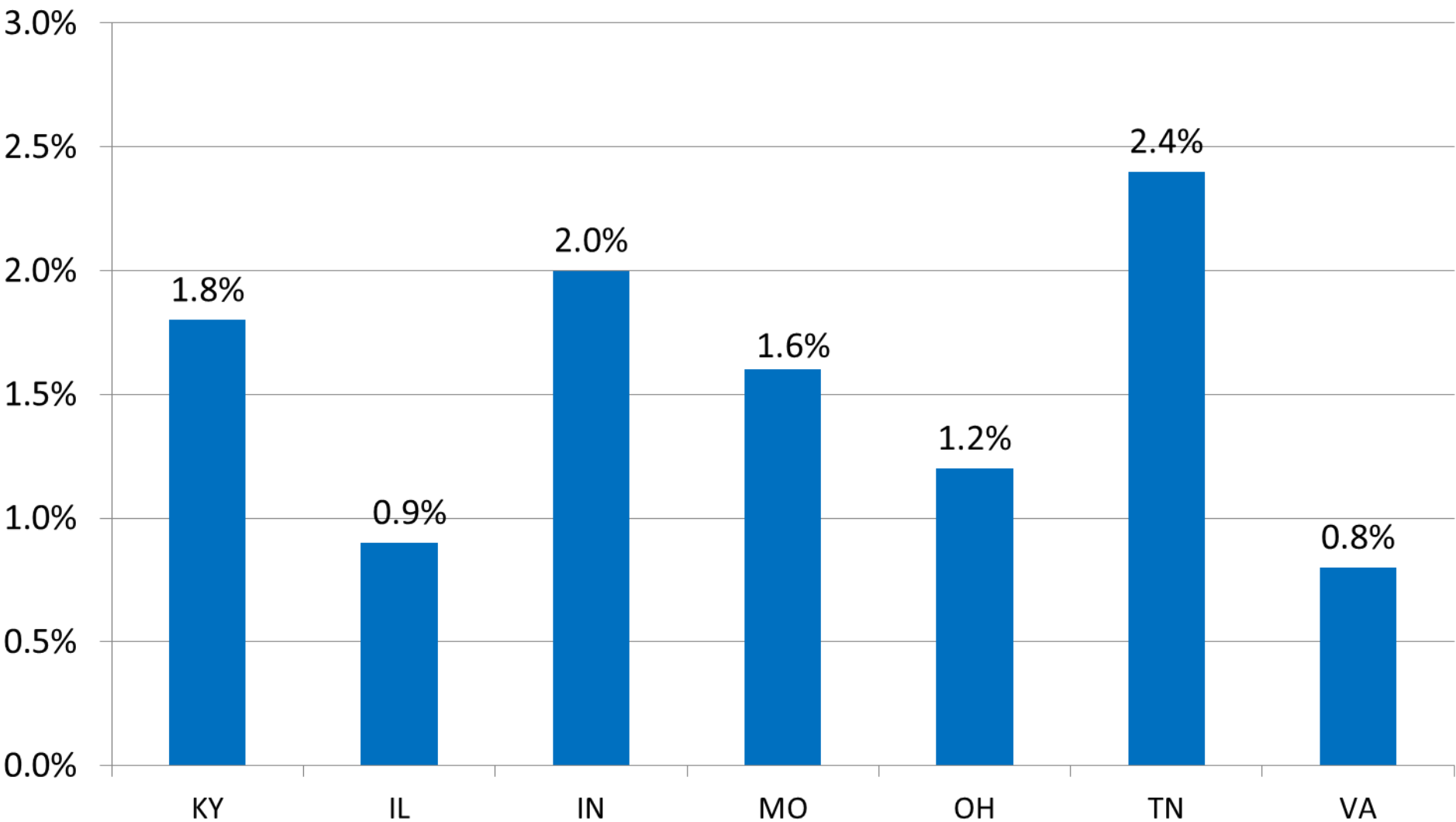
# Budget Balance as a % of GDP By Country 2011 & 2014





# Southern States 1-Year

Employment Changes December 2013 to December 2014



# Southern States 1-Year

Manufacturing Employment Changes Dec 2013 to Dec 2014

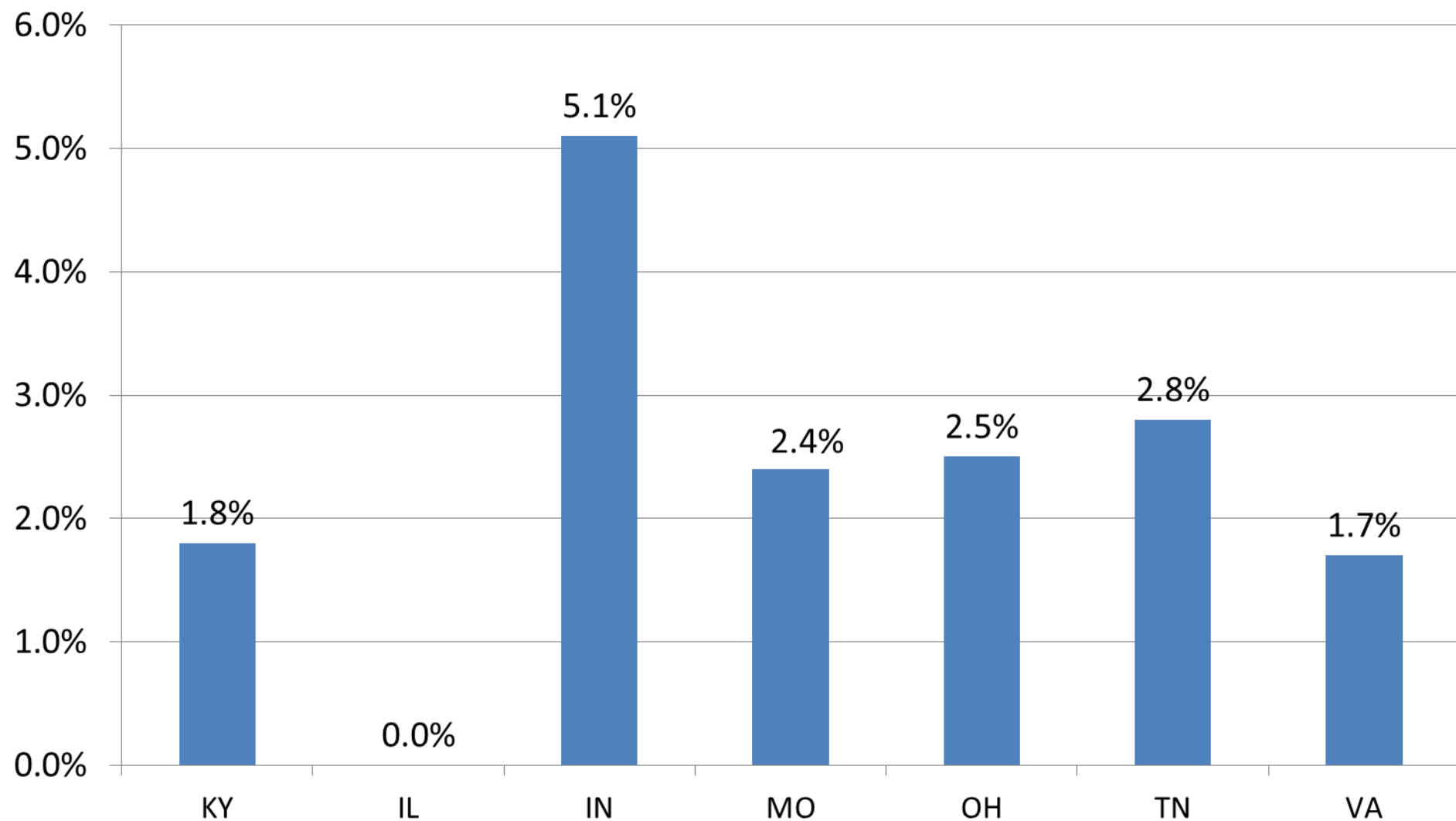
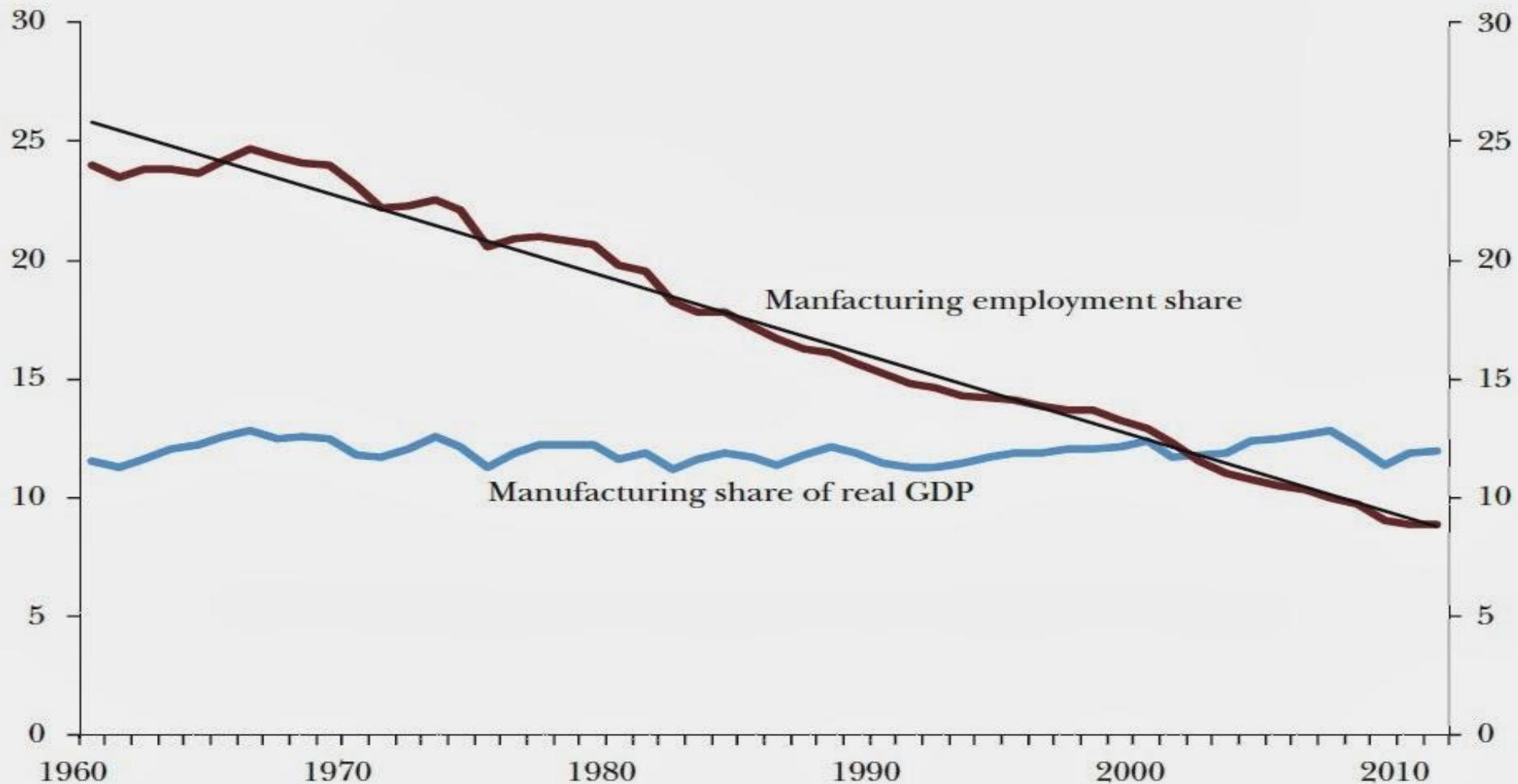


Figure 1

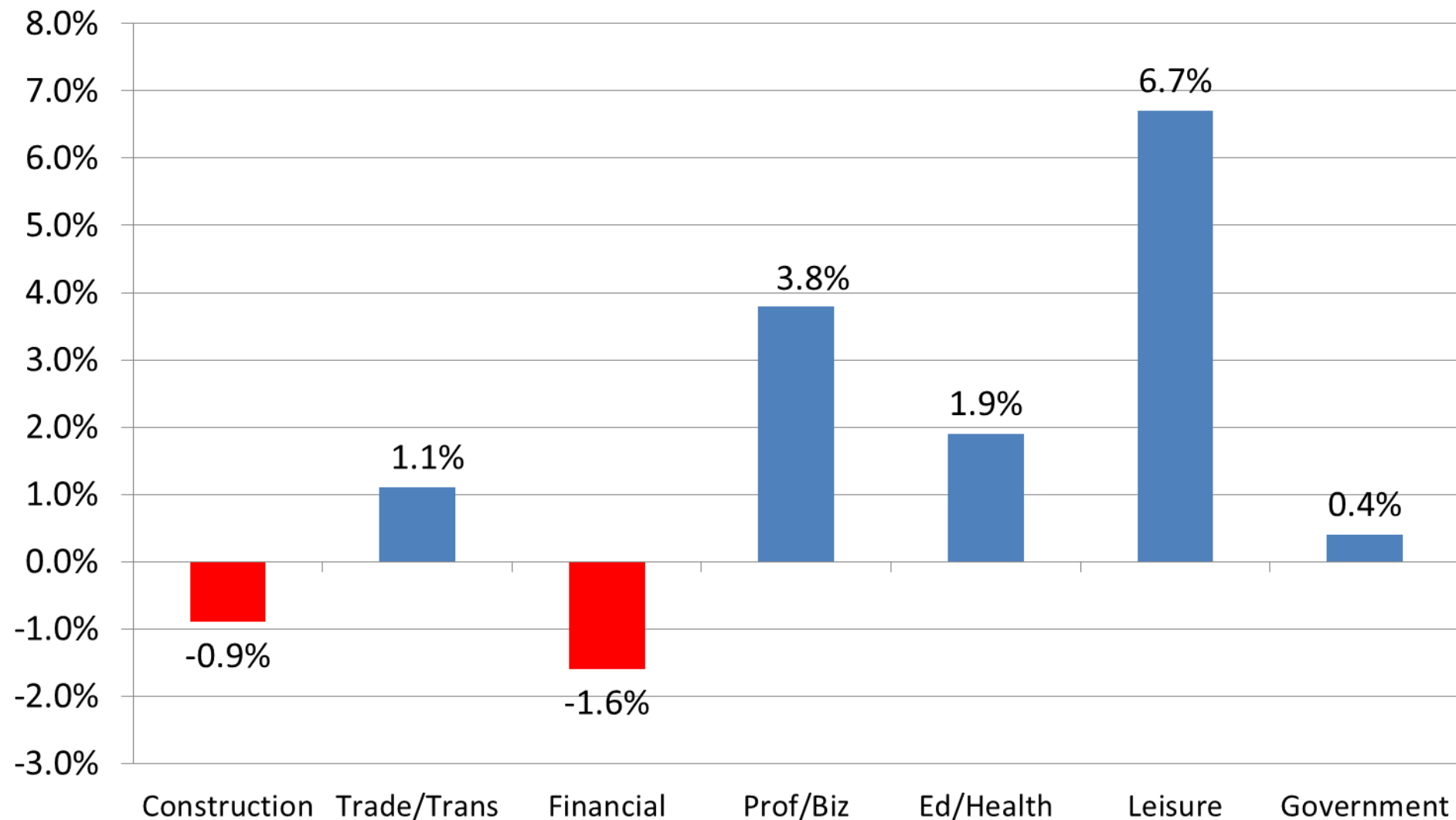
# Manufacturing Value Added and Employment as a Share of the Total US Economy, 1960–2011

(in 2005 prices)

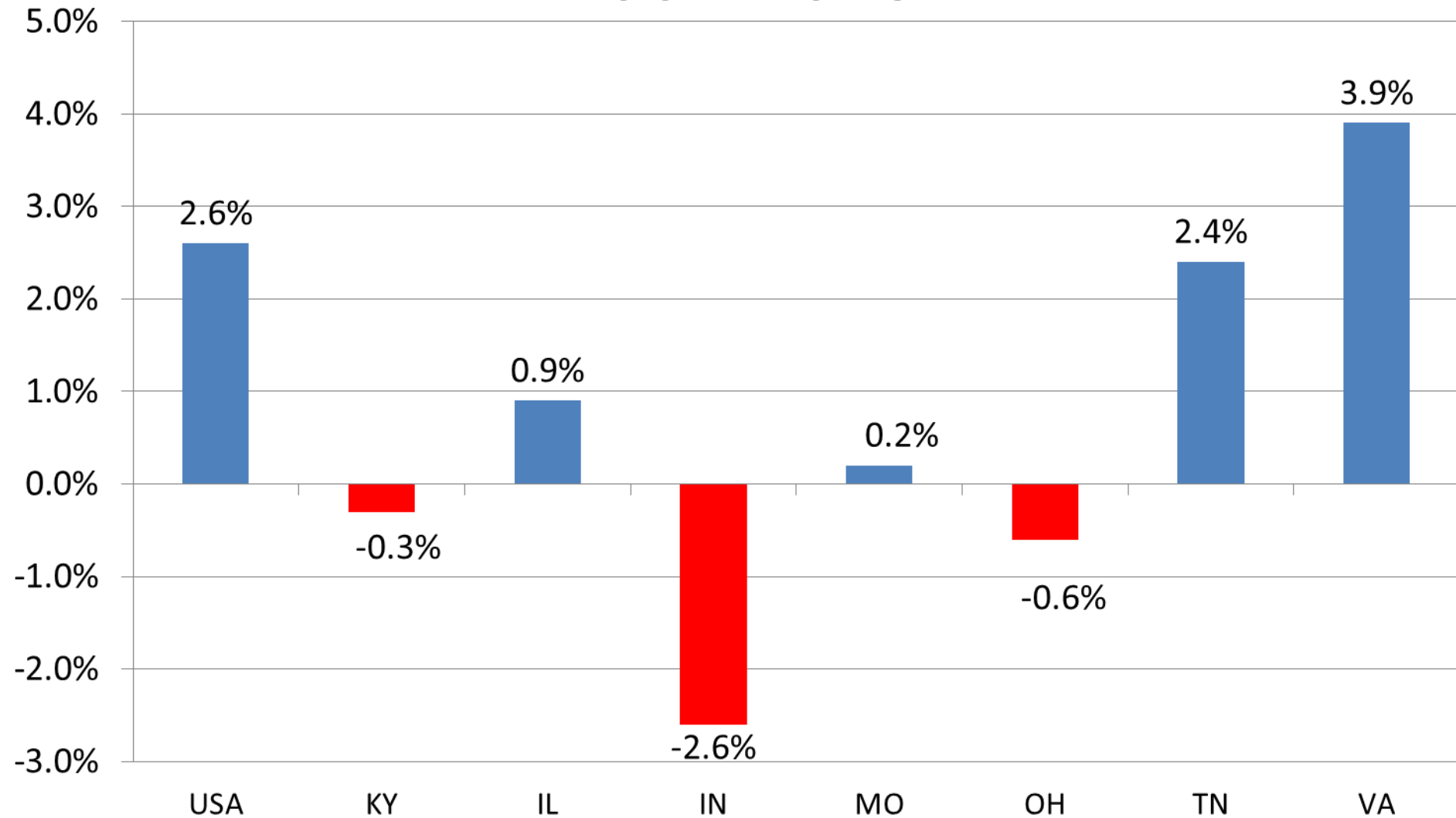


# Kentucky 1-Year

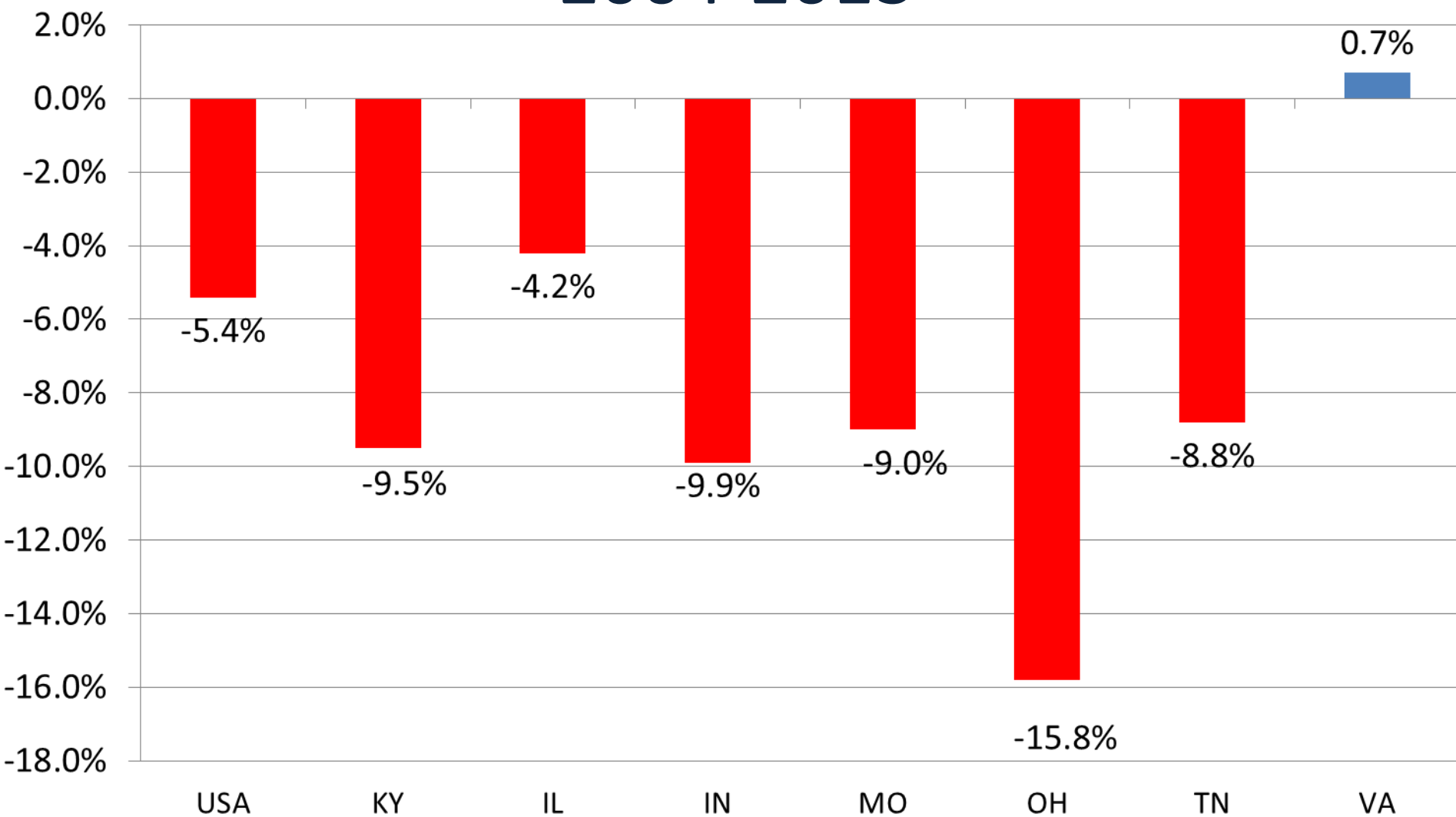
Employment Changes Dec 2013 to Dec 2014



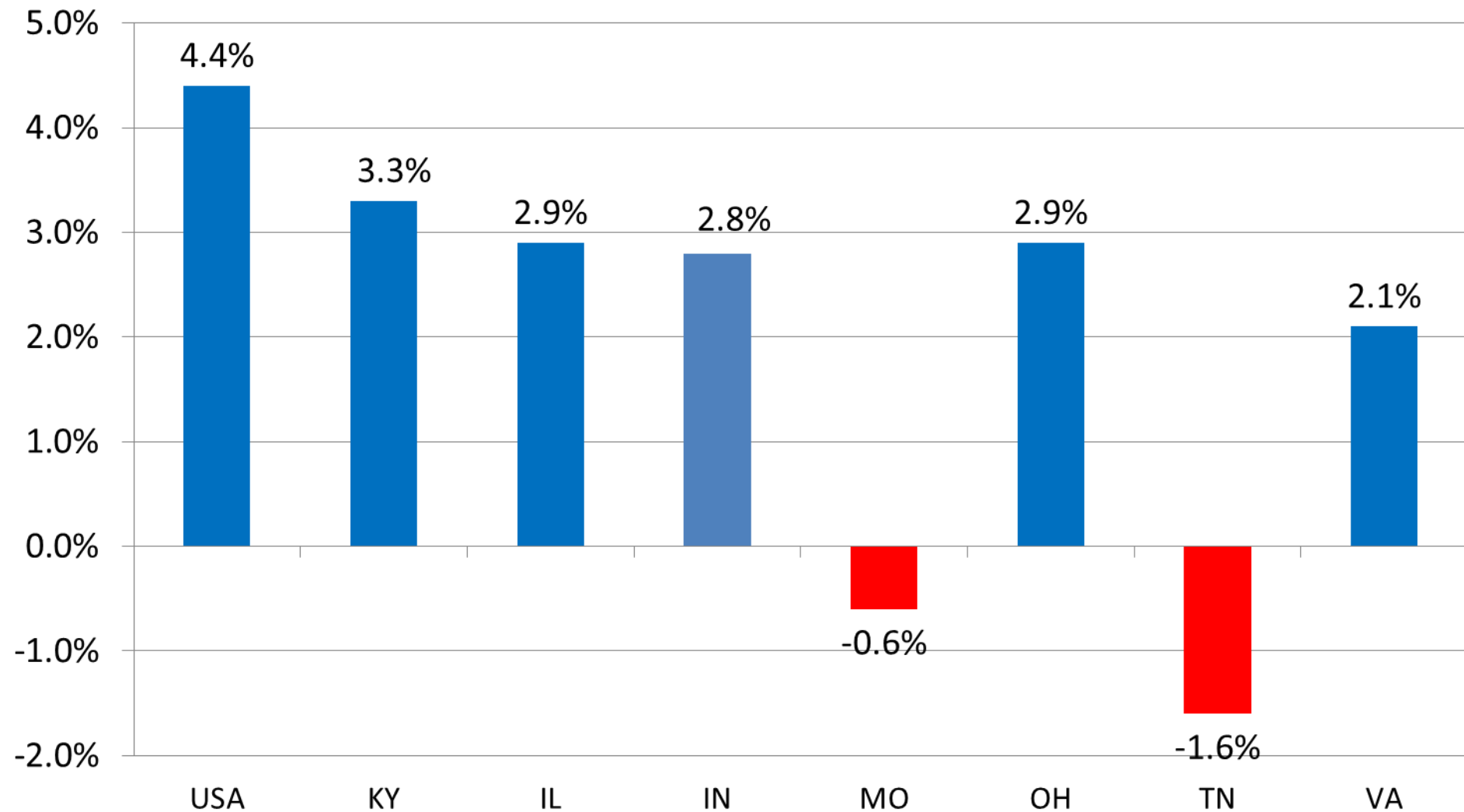
# Real Wage Change 2004-2013



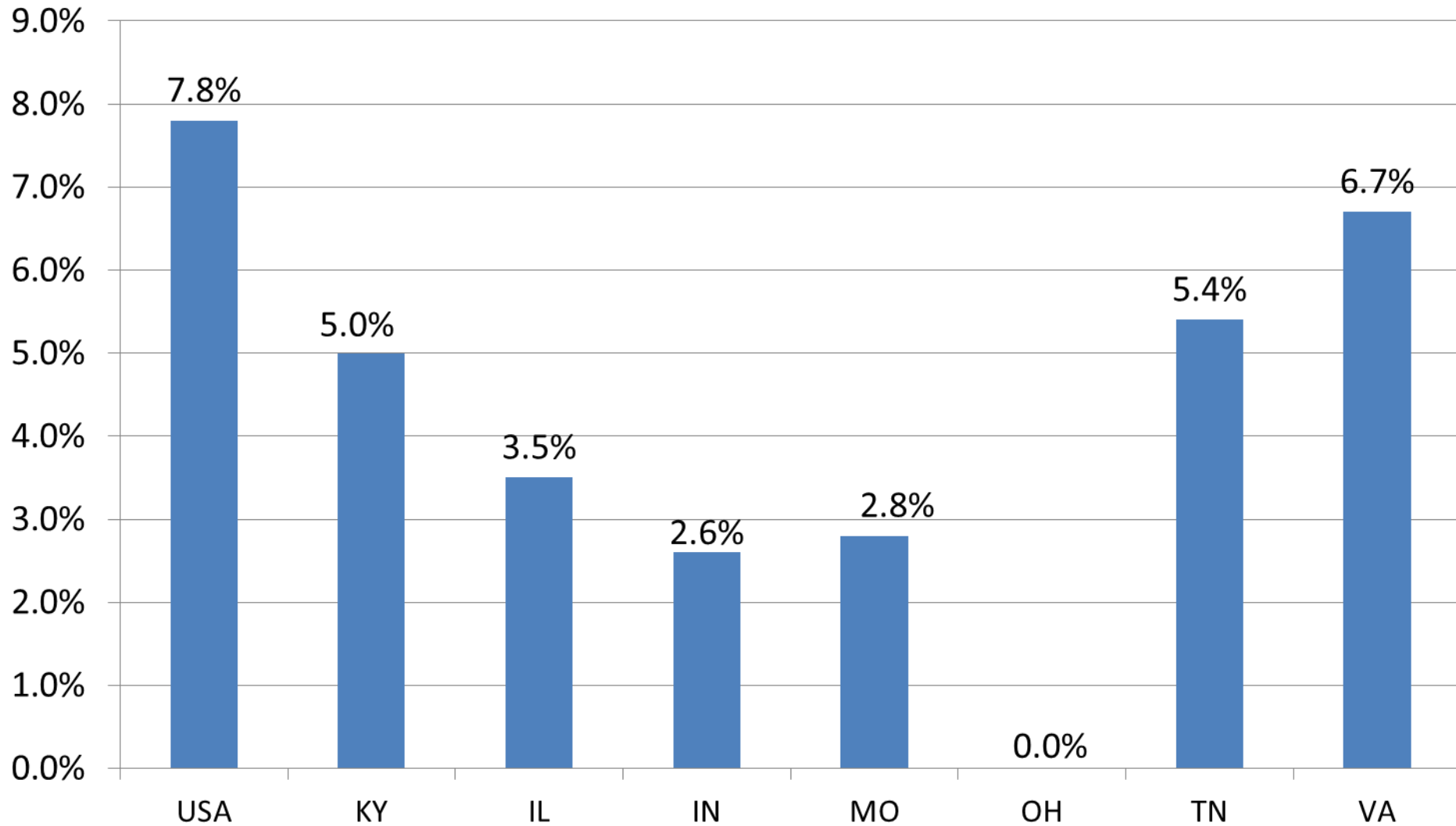
# Real Change in Median Household Income 2004-2013



# Change in Real GDP Per Capita 2004-2013

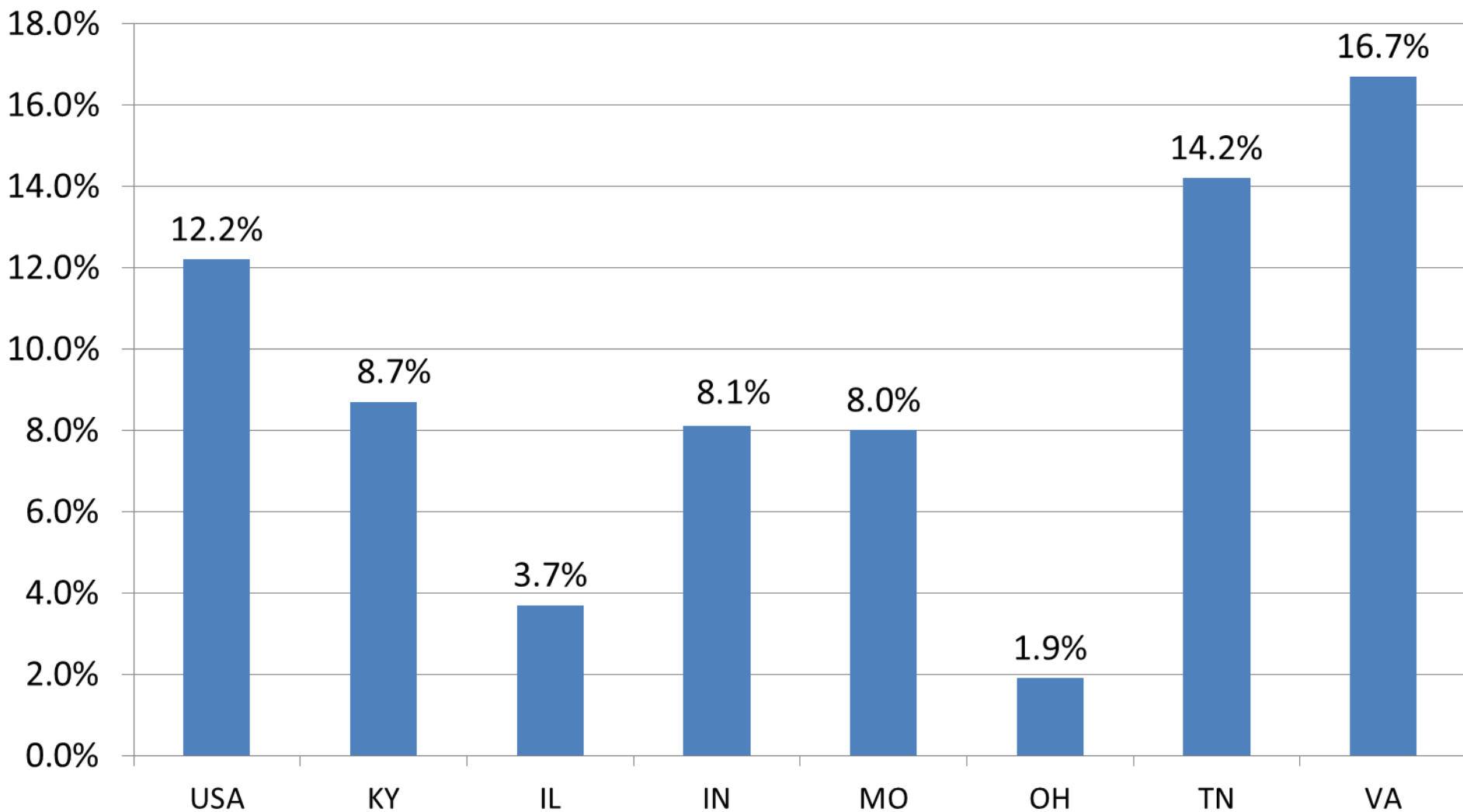


# Employment Growth 2004-2013

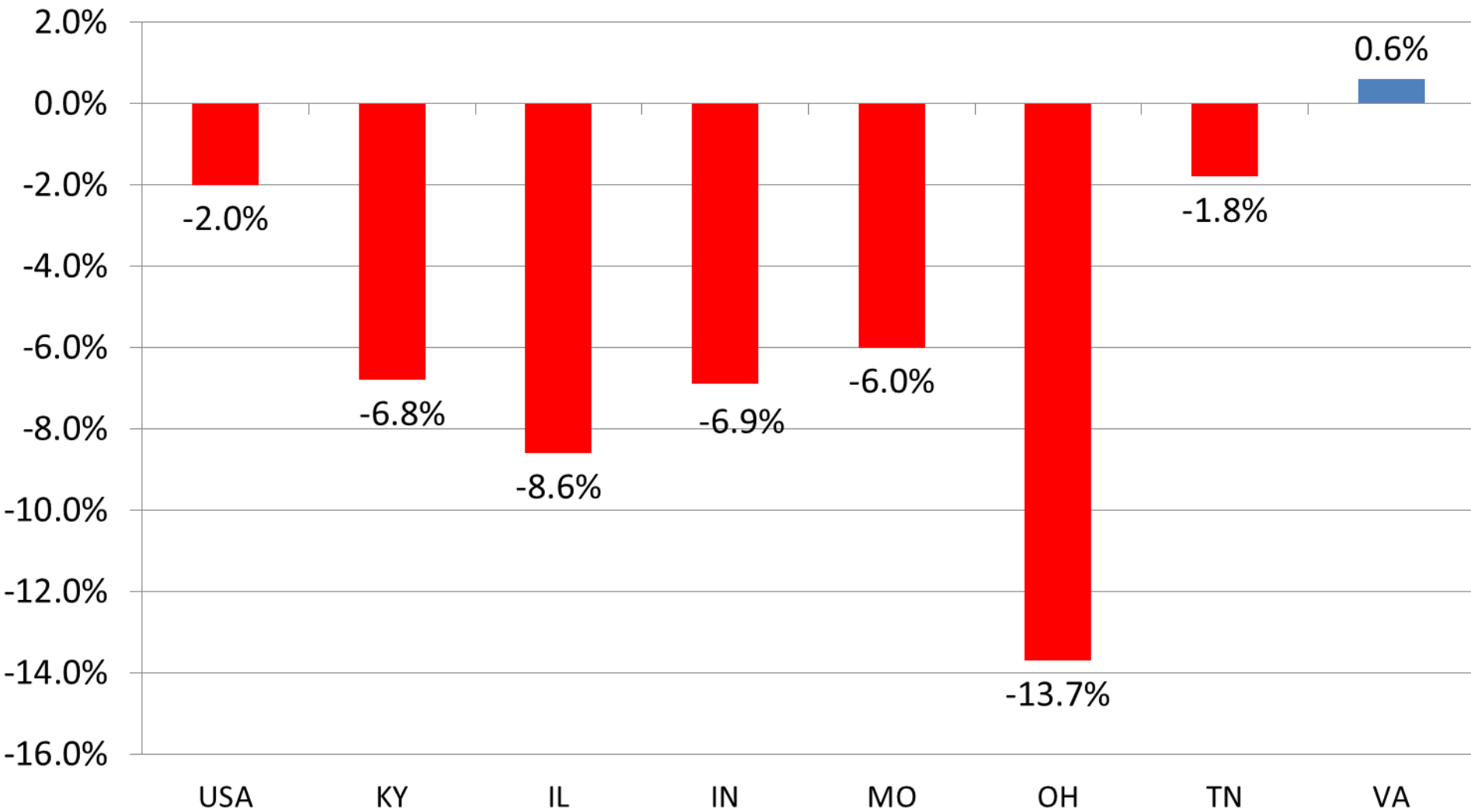




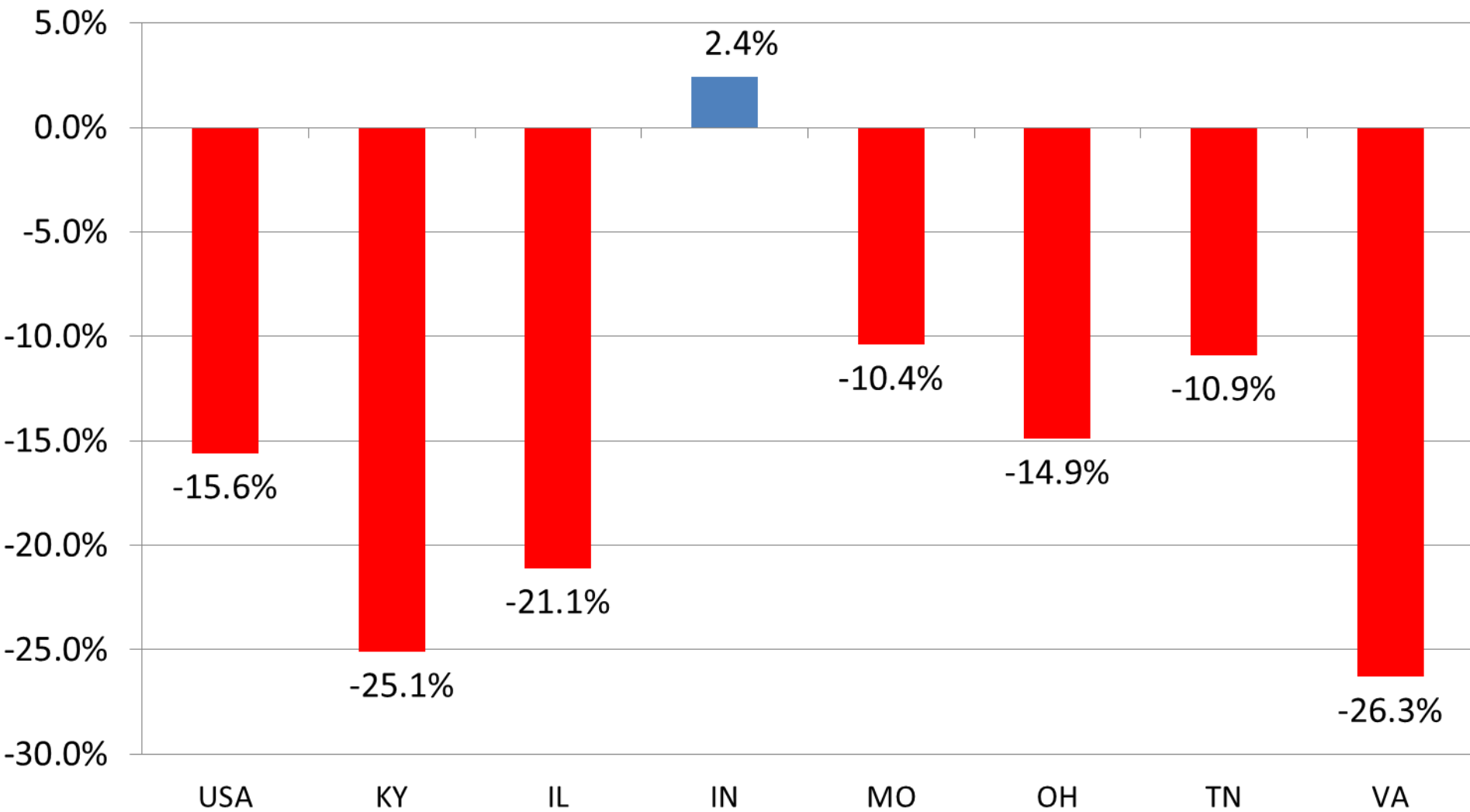
# Percentage Population Change 2000-2013



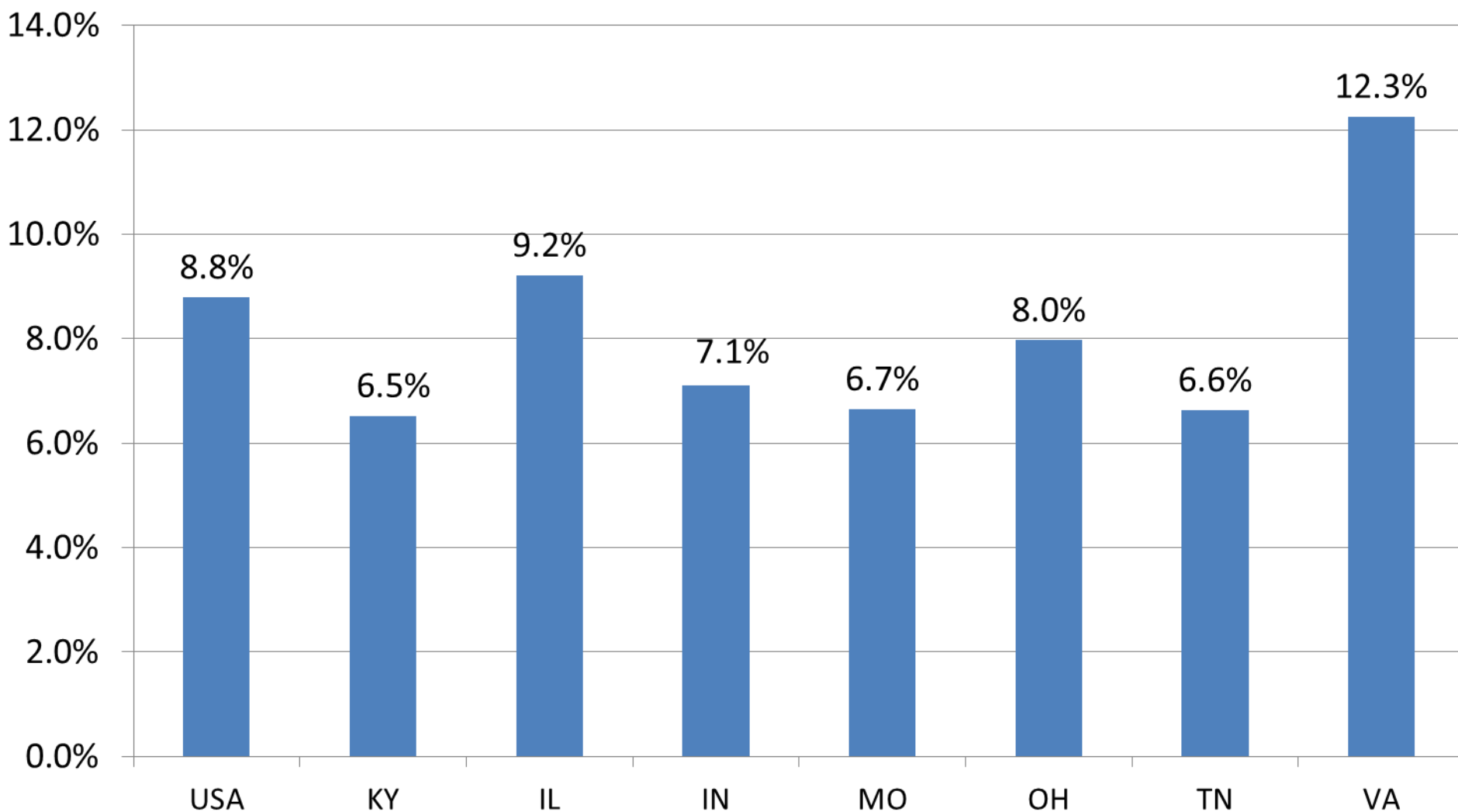
# Percentage Population 25-44 Change 2000-2013



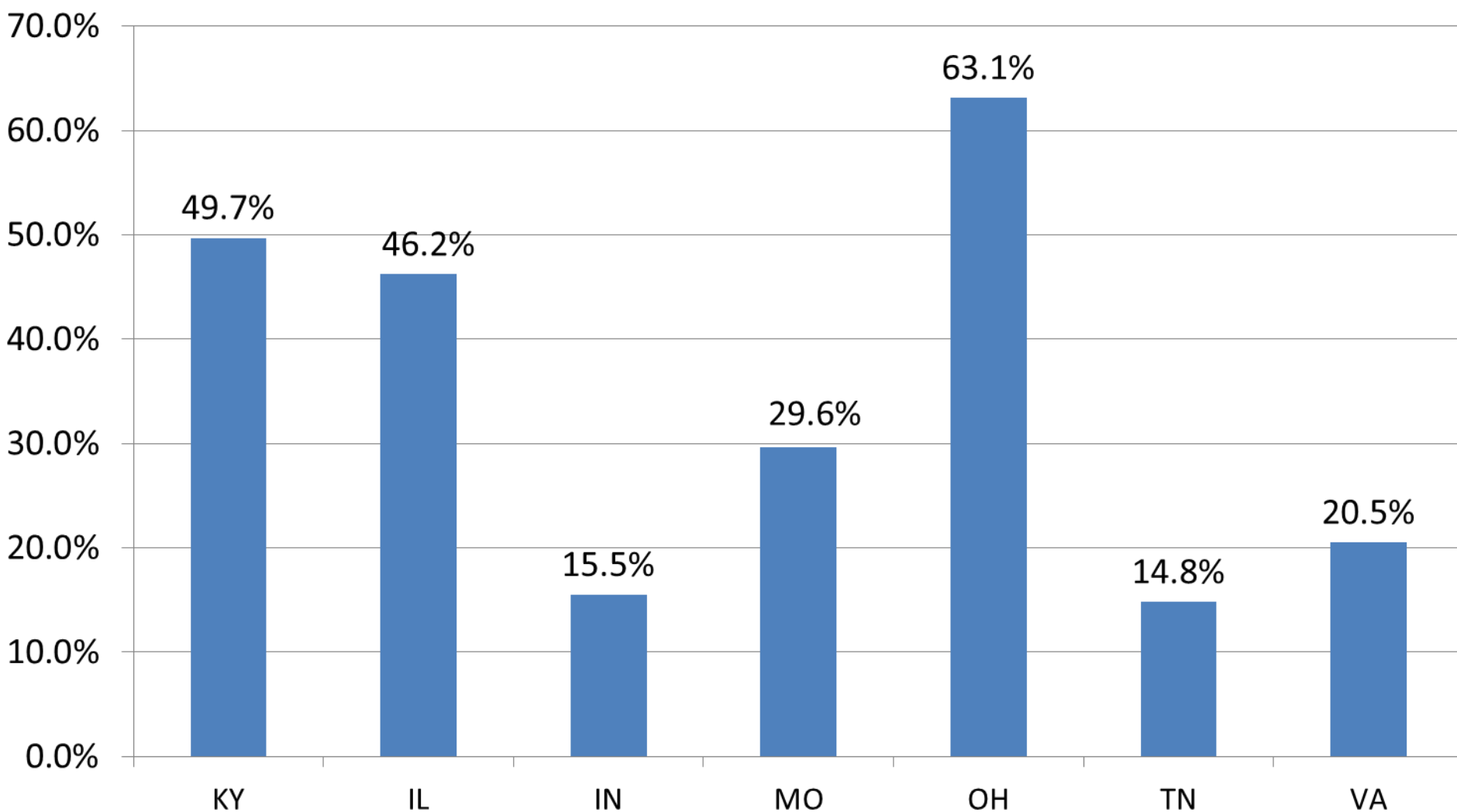
# Percentage Change in Violent Crime Rate 2008-2012



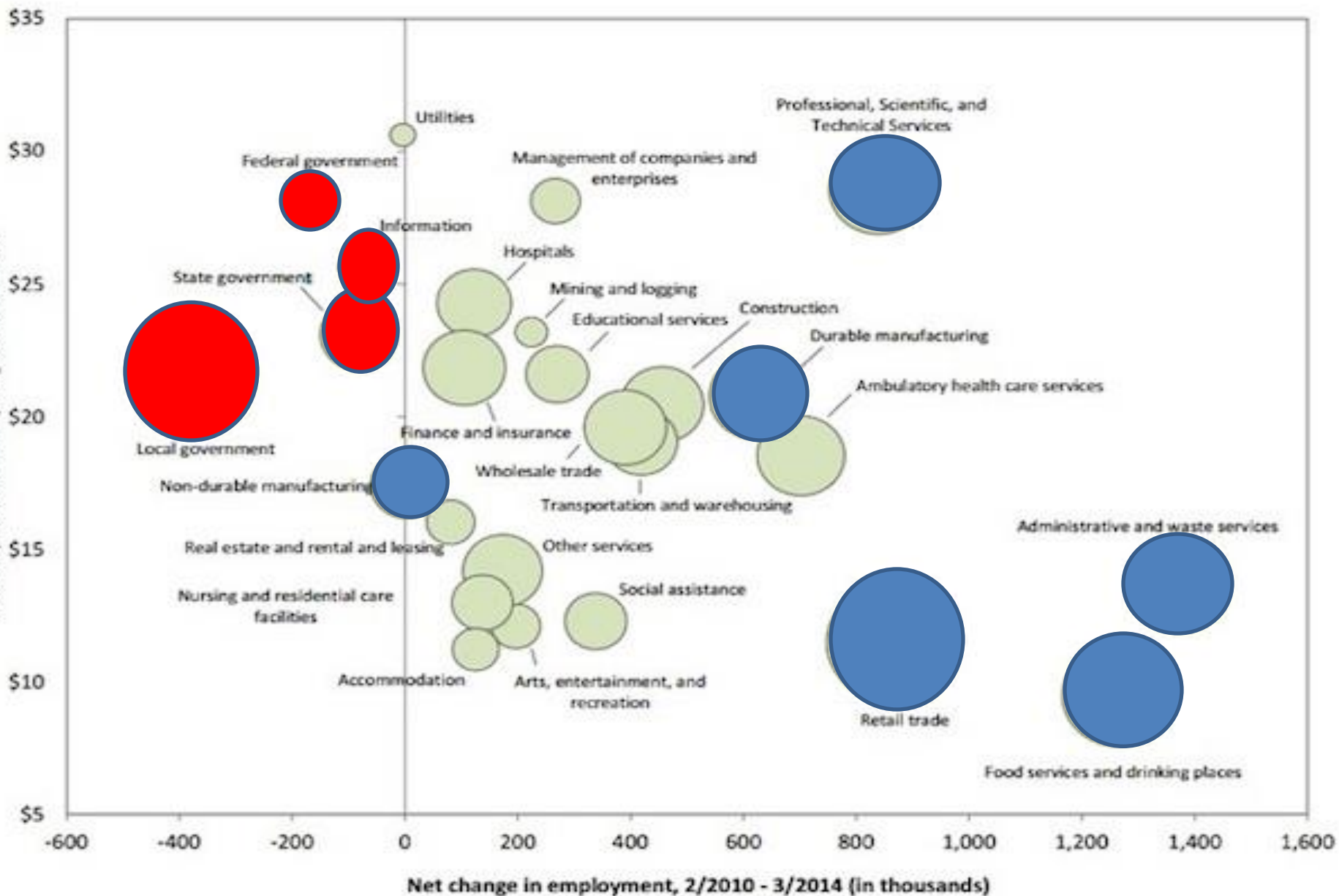
# % High-tech Establishments of Total



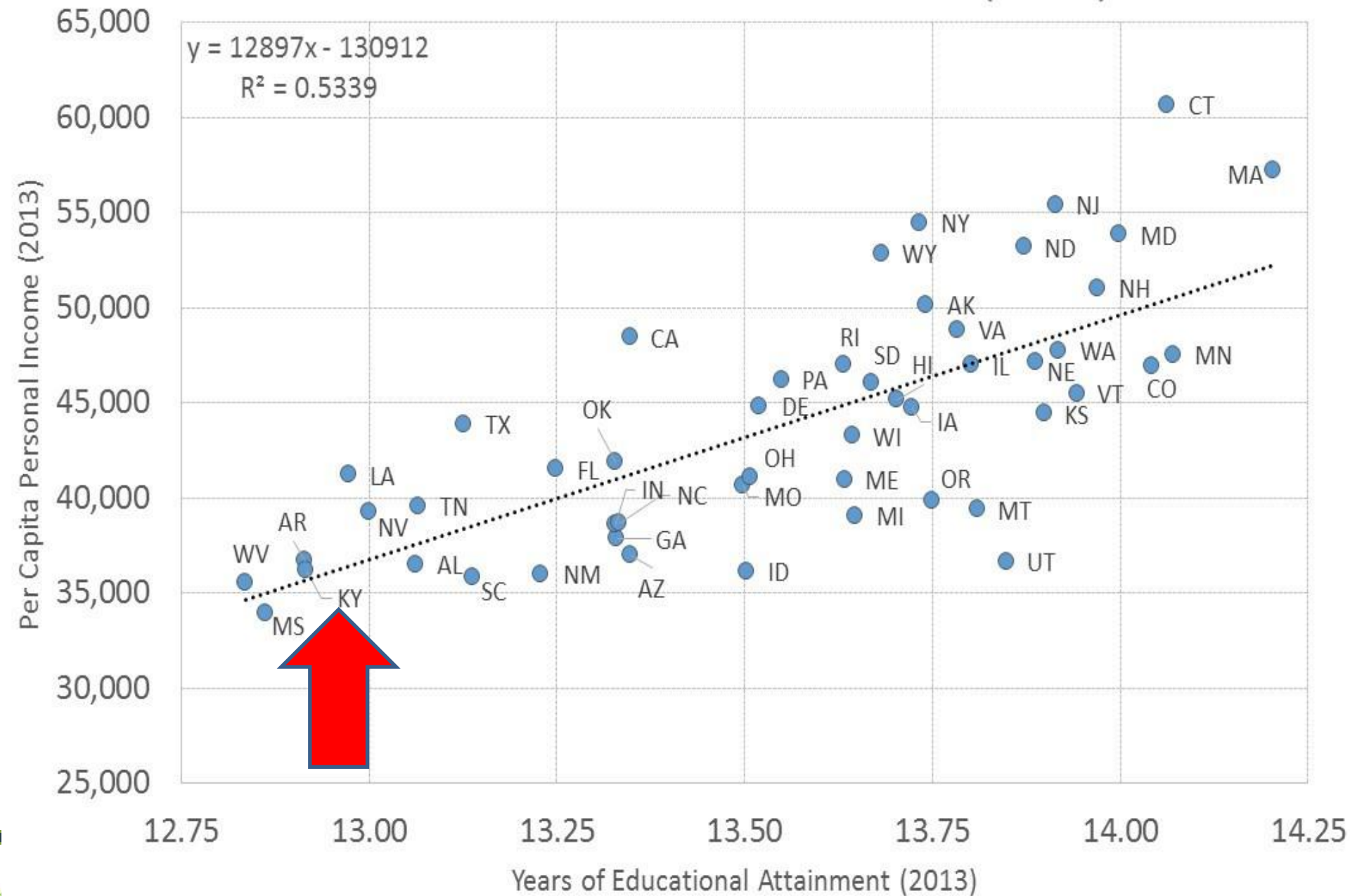
# State Debt as a % of State GDP (2012)



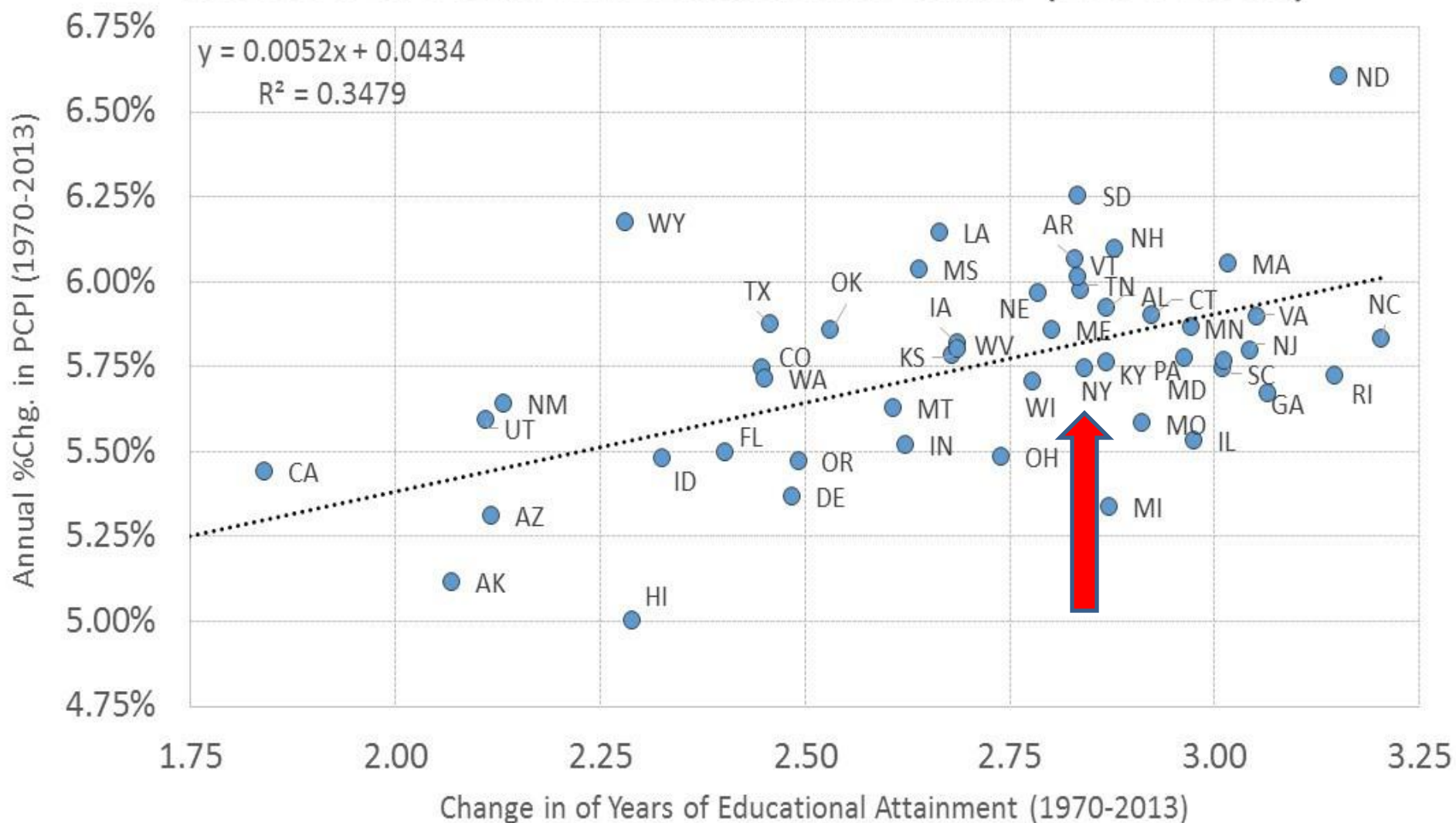
Industry median hourly wage, 2013 dollars



# Income vs. Level of Education (2013)



# Income Growth vs. Educational Gains (1970-2013)











# Urbanization



# Urbanisation, 1950

## GLOBAL CITY POPULATIONS\*

70.4%

Rural  
-

17.7%

Other urban  
Fewer than 300,000

2.0%

Smallest cities  
300,000 to 500,000

2.6%

Small cities  
500,000 to 1m

5.1%

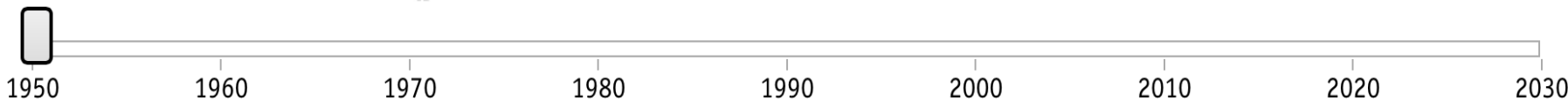
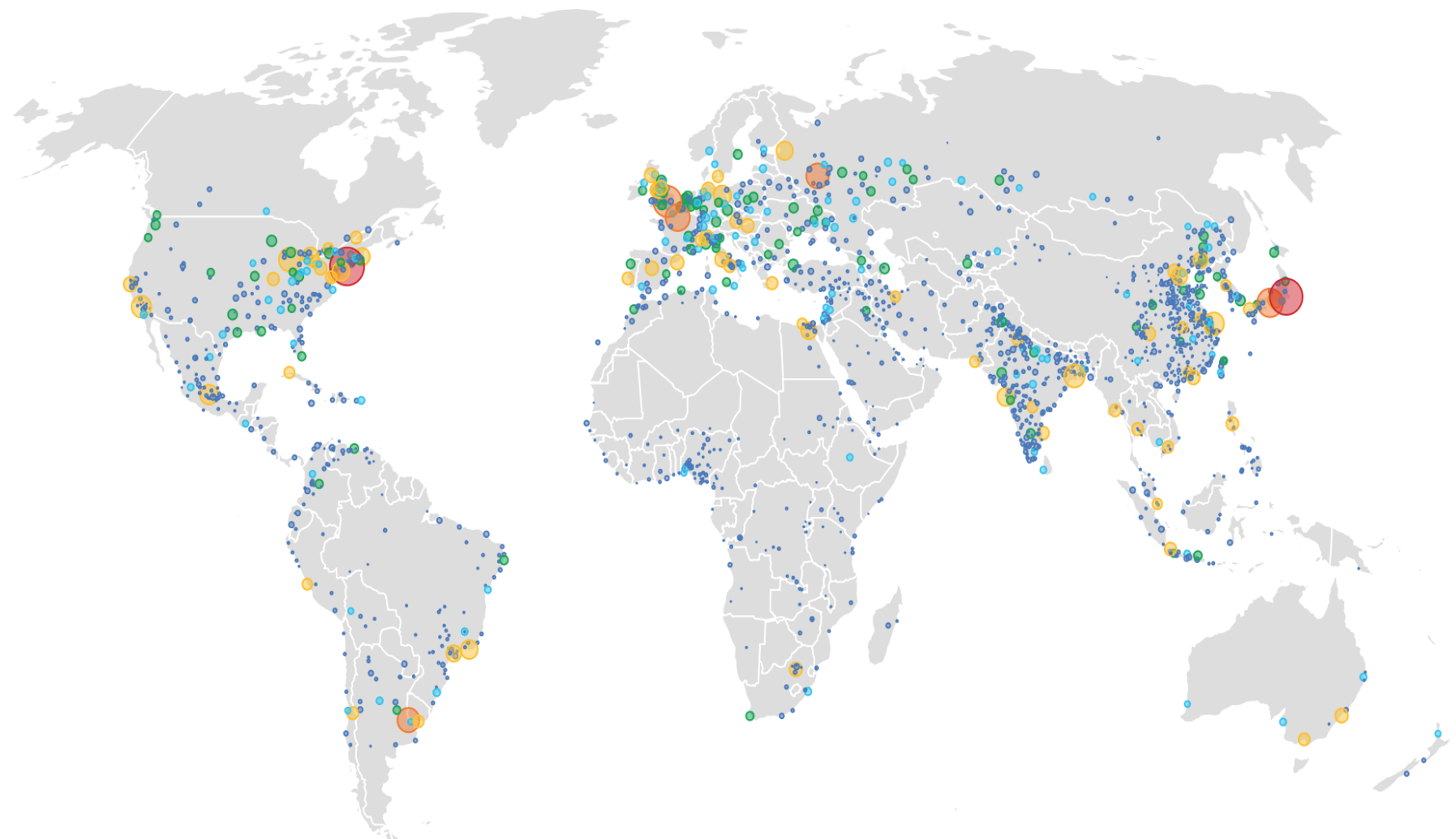
Medium cities  
1m to 5m

1.3%

Large cities  
5m to 10m

0.9%

Megacities  
10m or more

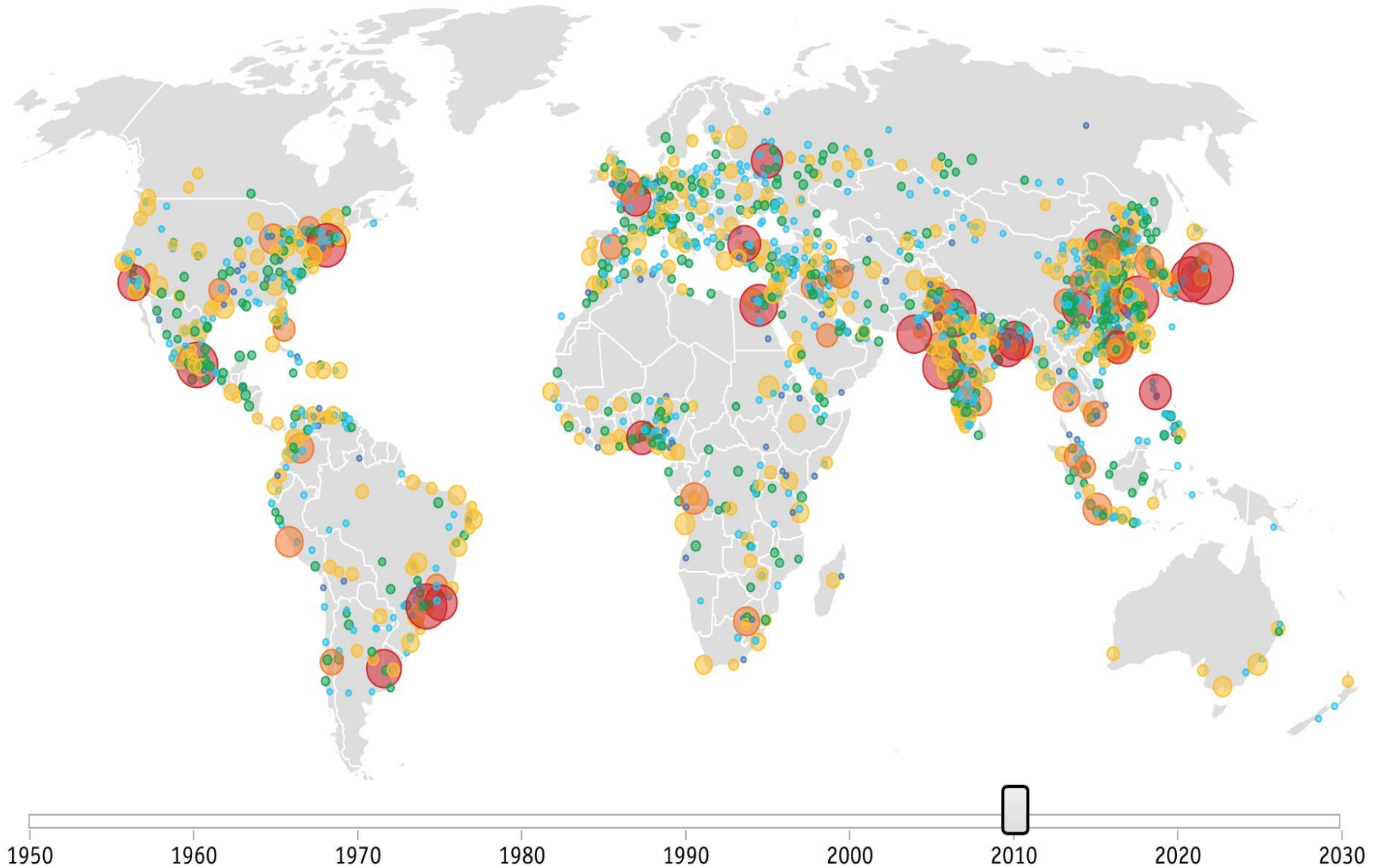




# Urbanisation, 2010



## GLOBAL CITY POPULATIONS\*



# Urbanisation, 2030



## GLOBAL CITY POPULATIONS\*

40.0%

Rural  
-

23.0%

Other urban  
Fewer than 300,000

3.8%

Smallest cities  
300,000 to 500,000

6.1%

Small cities  
500,000 to 1m

13.4%

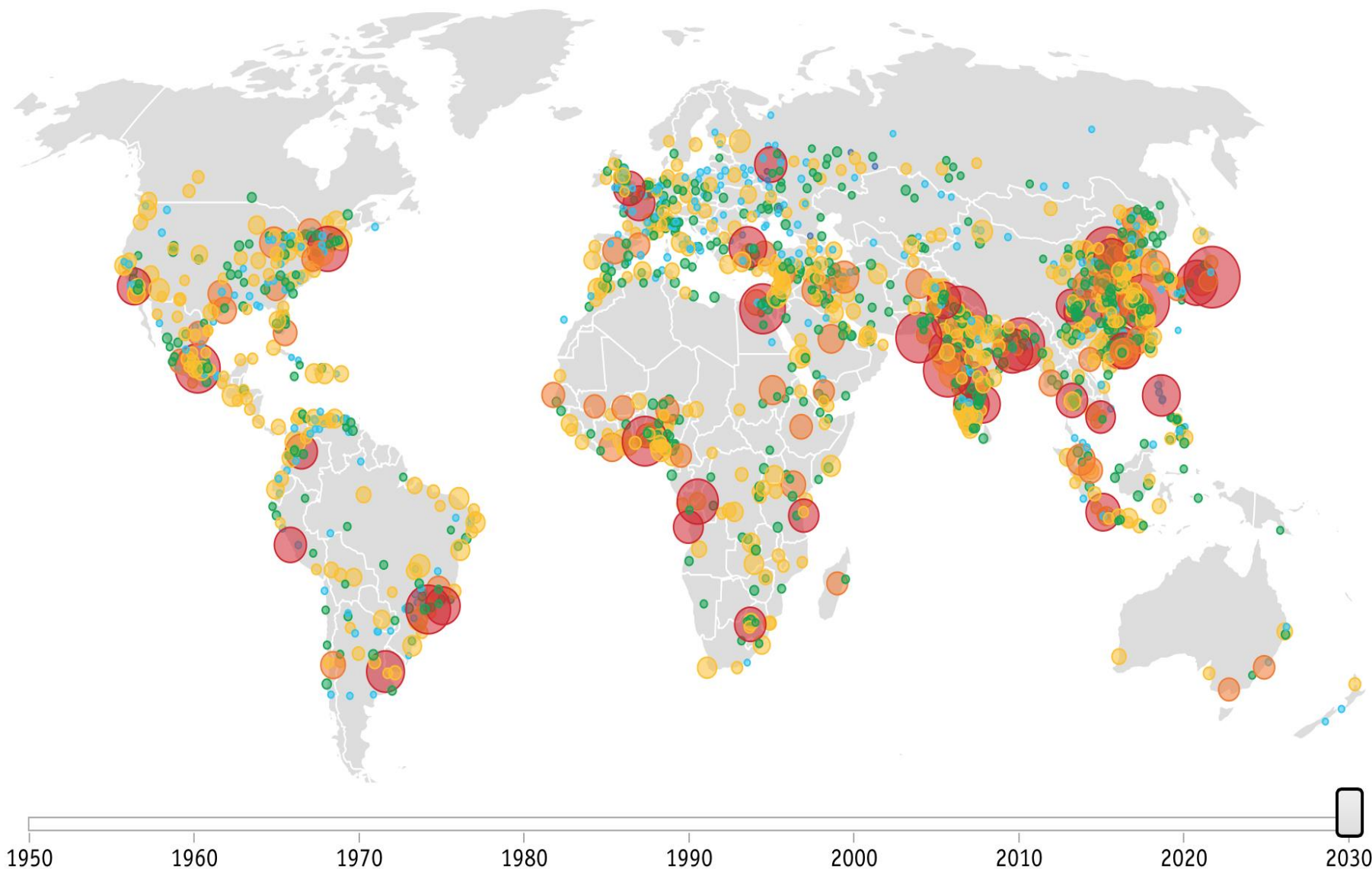
Medium cities  
1m to 5m

5.2%

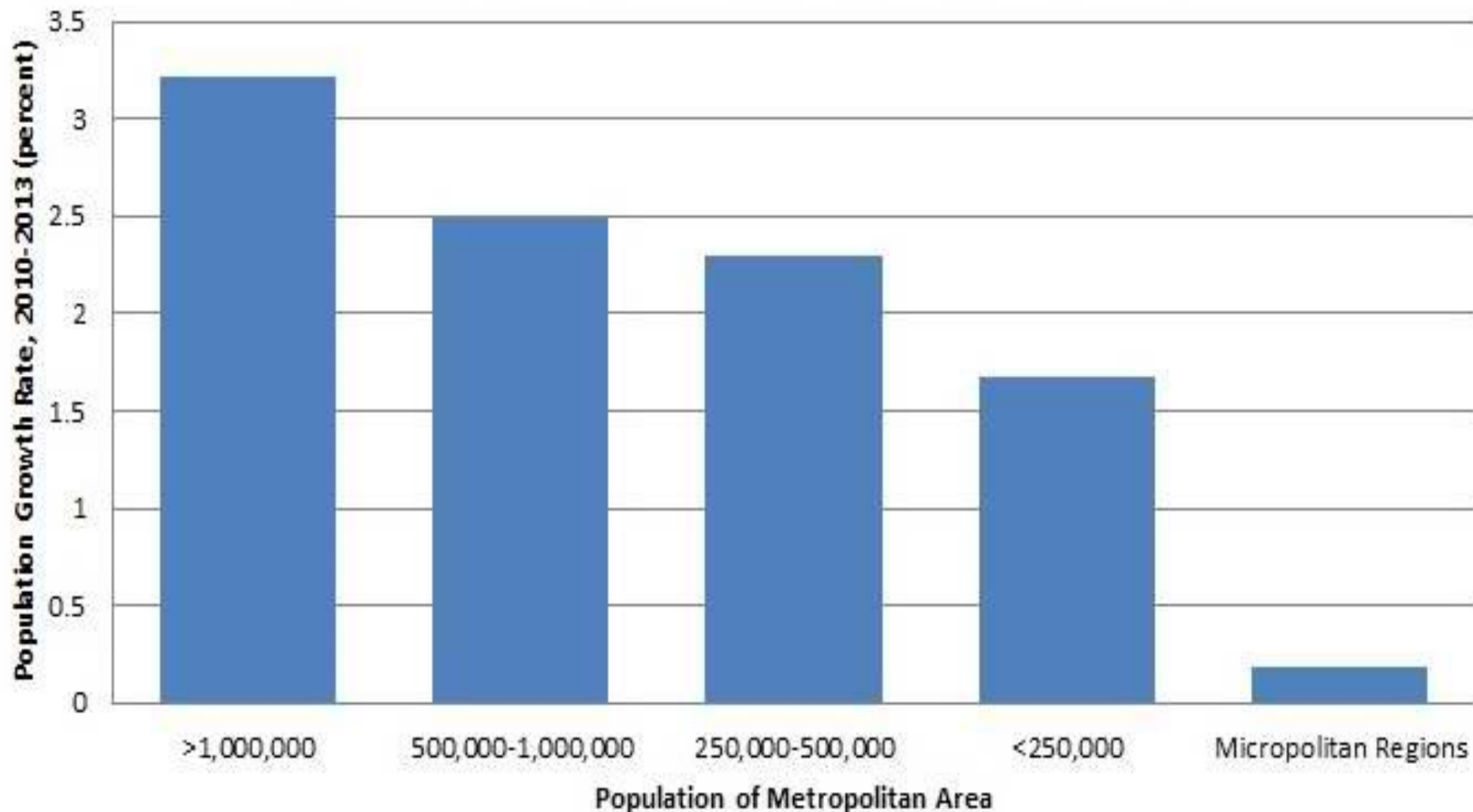
Large cities  
5m to 10m

8.6%

Megacities  
10m or more

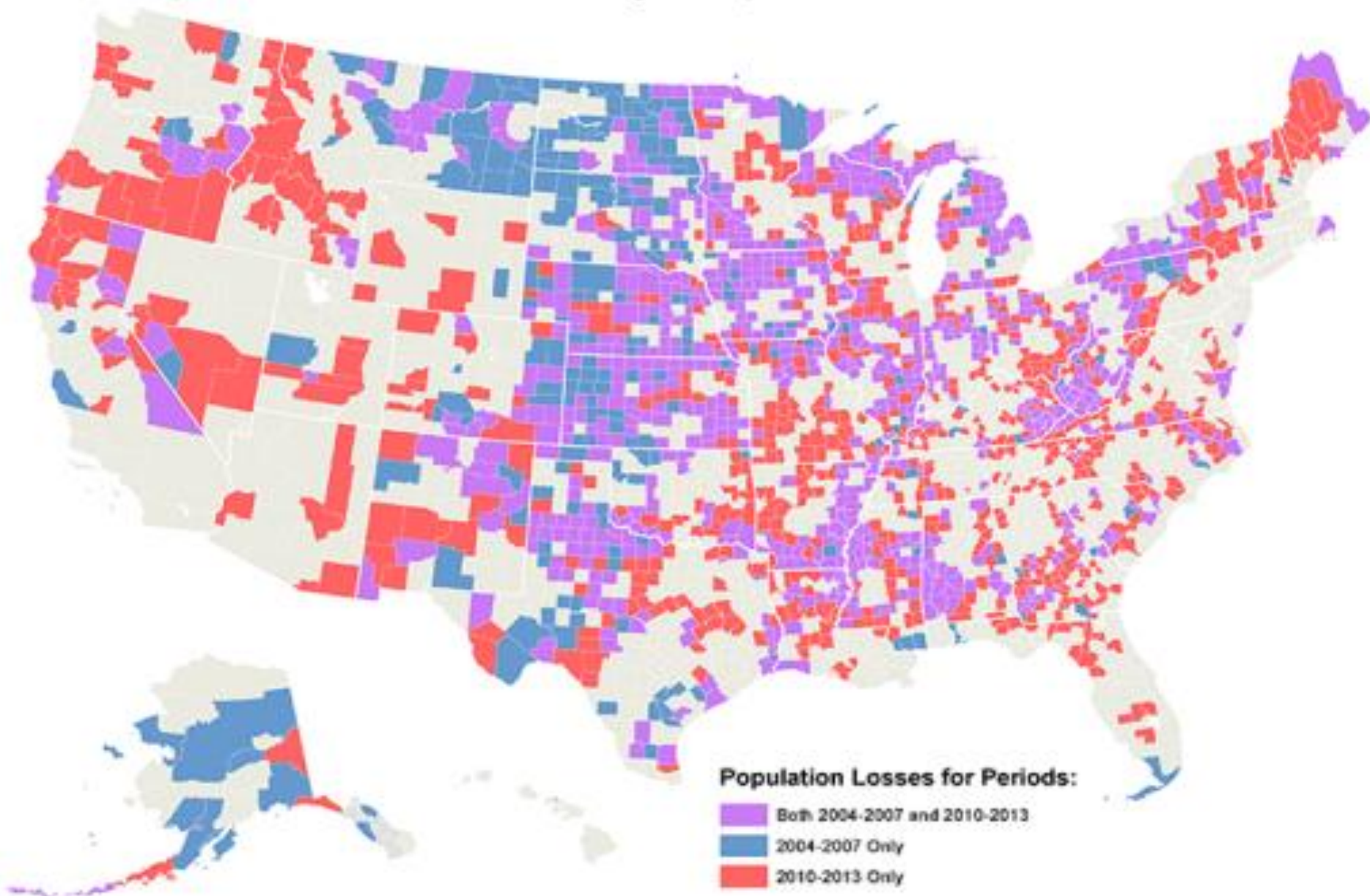


## Population Growth Rate by Regional Size



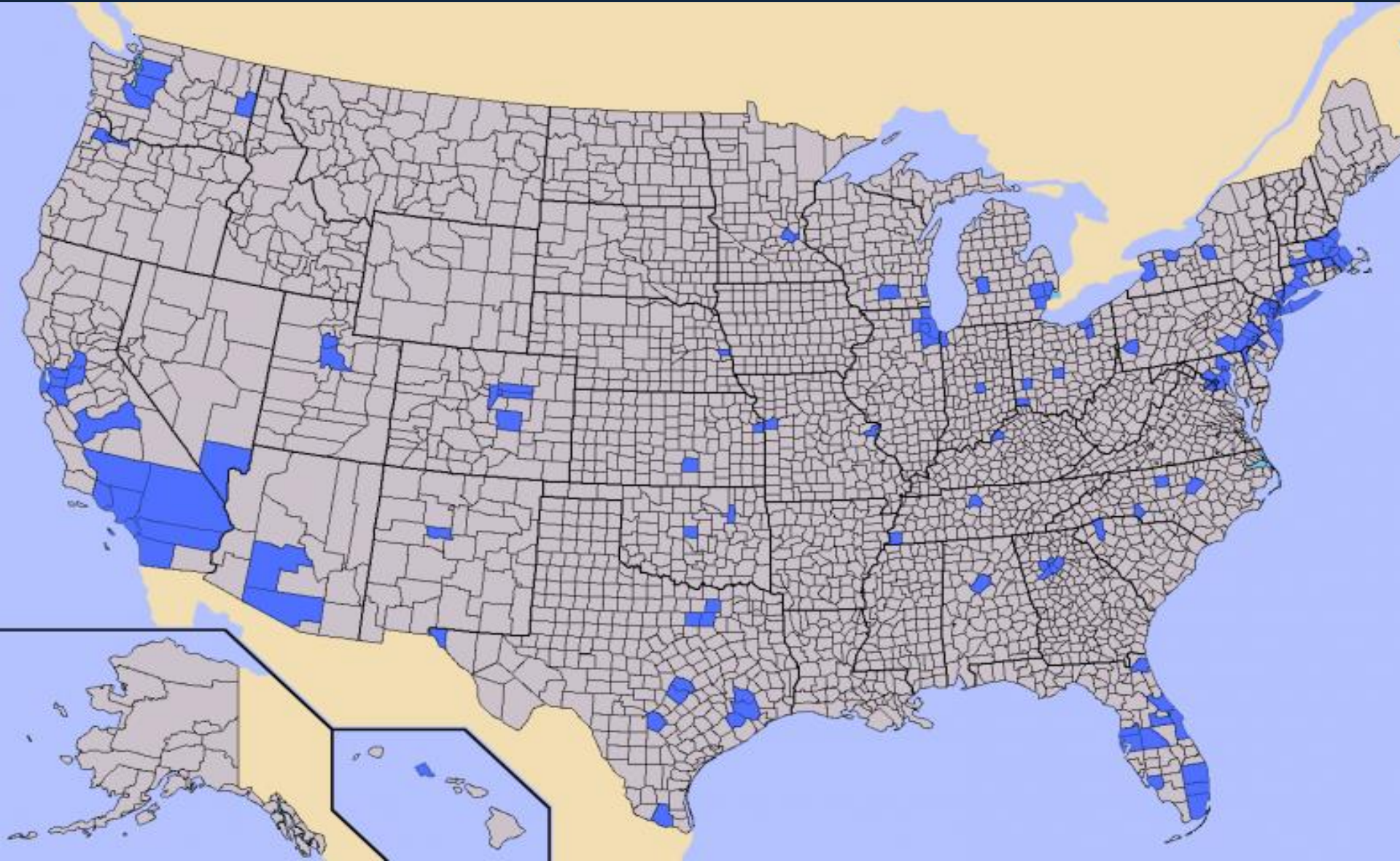


# Population Loss Counties, Outside Large Metropolitan Areas, 2004-2007 and 2010-2013

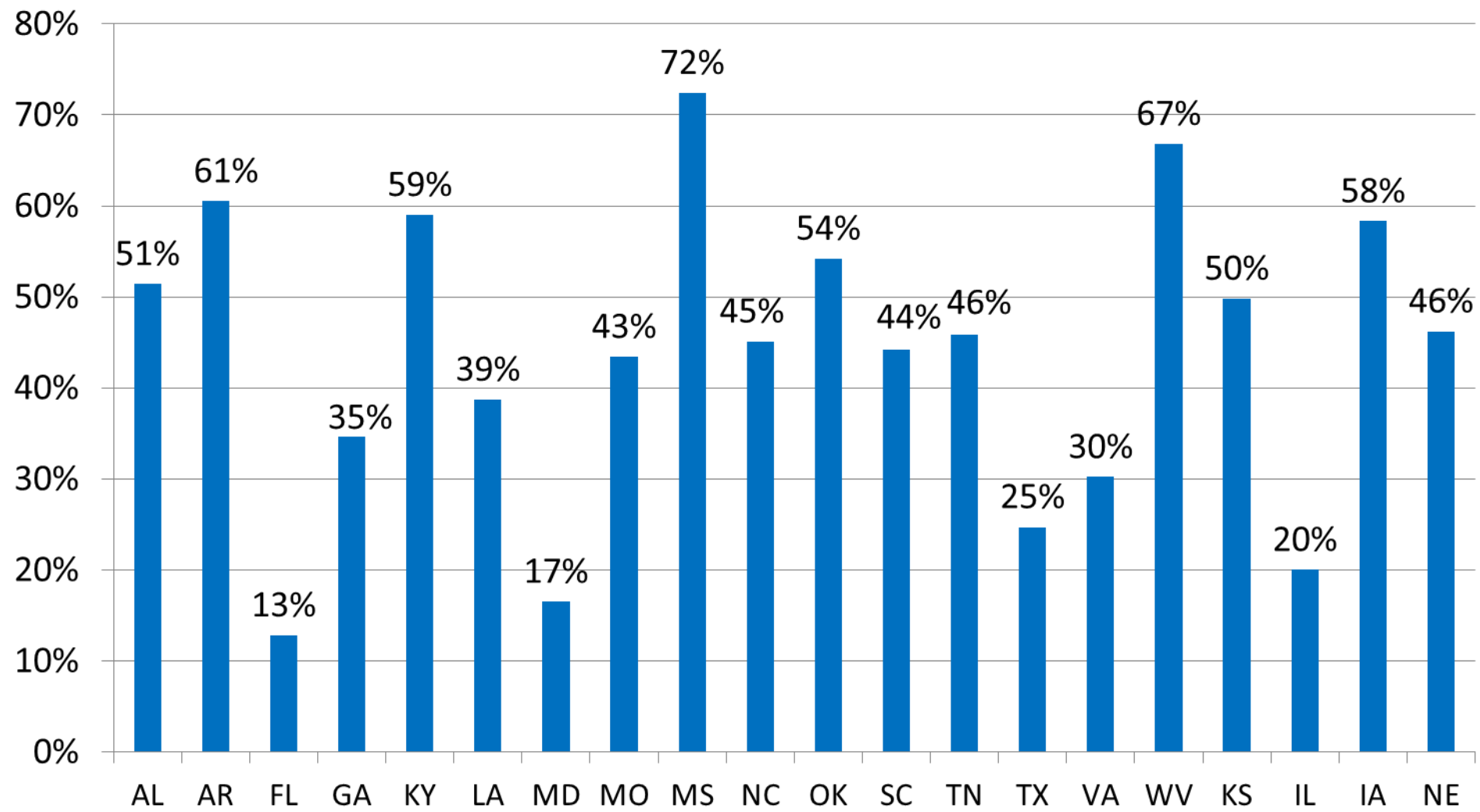




# Half of the US Population Lives in these 146 Counties



# States % of Population Rural & Small Cities 2010



# The Individual Focus

## Workforce Conundrum for Places





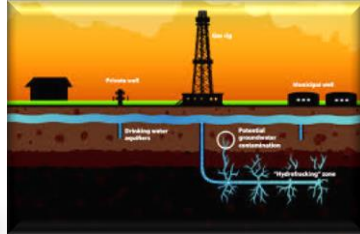
# The Technology Conundrum



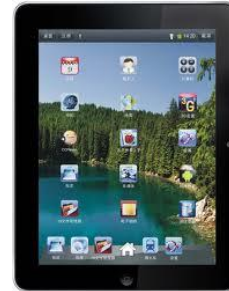
# McKinsey & Company

*Disruptive Technologies: May 2013*

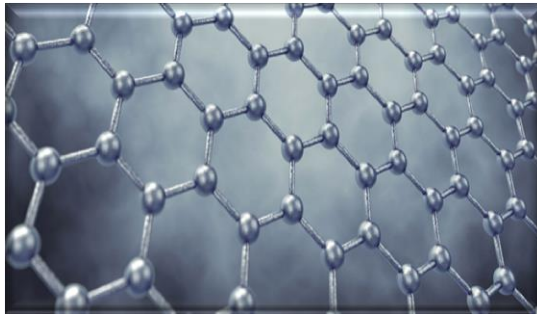
## Energy



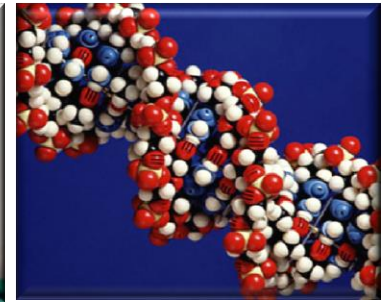
## Mobile Internet



## Advanced Materials



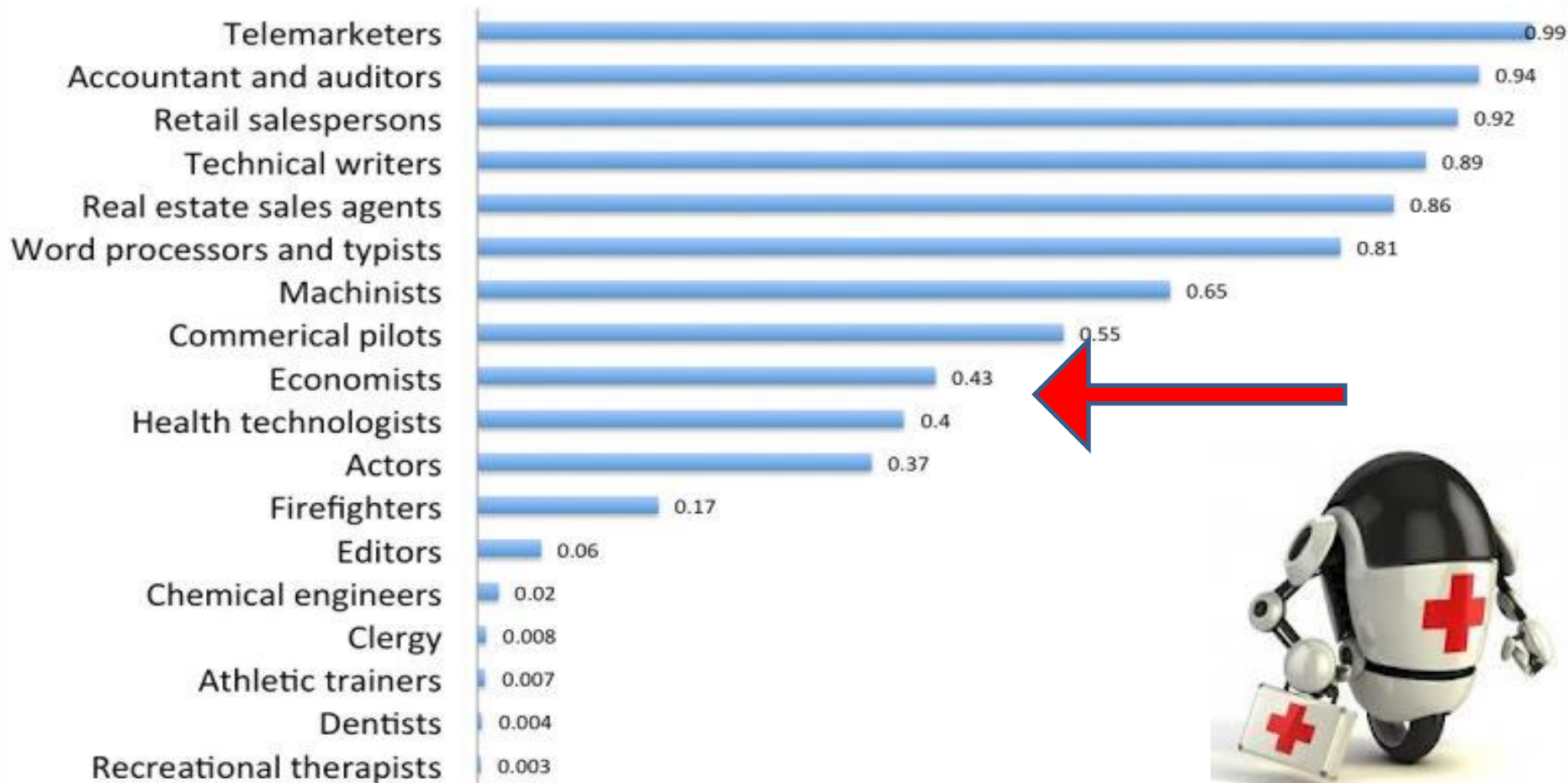
## Next Generation Genomics



## Robotics, Cloud, Digital-intel, 3D Printing



## Probability Robots Will Take Your Job In Next 20 Years, 1=Certain



BUSINESS INSIDER

Source: The Economist,  
The Future of Employment: How susceptible are jobs to computerisation?

















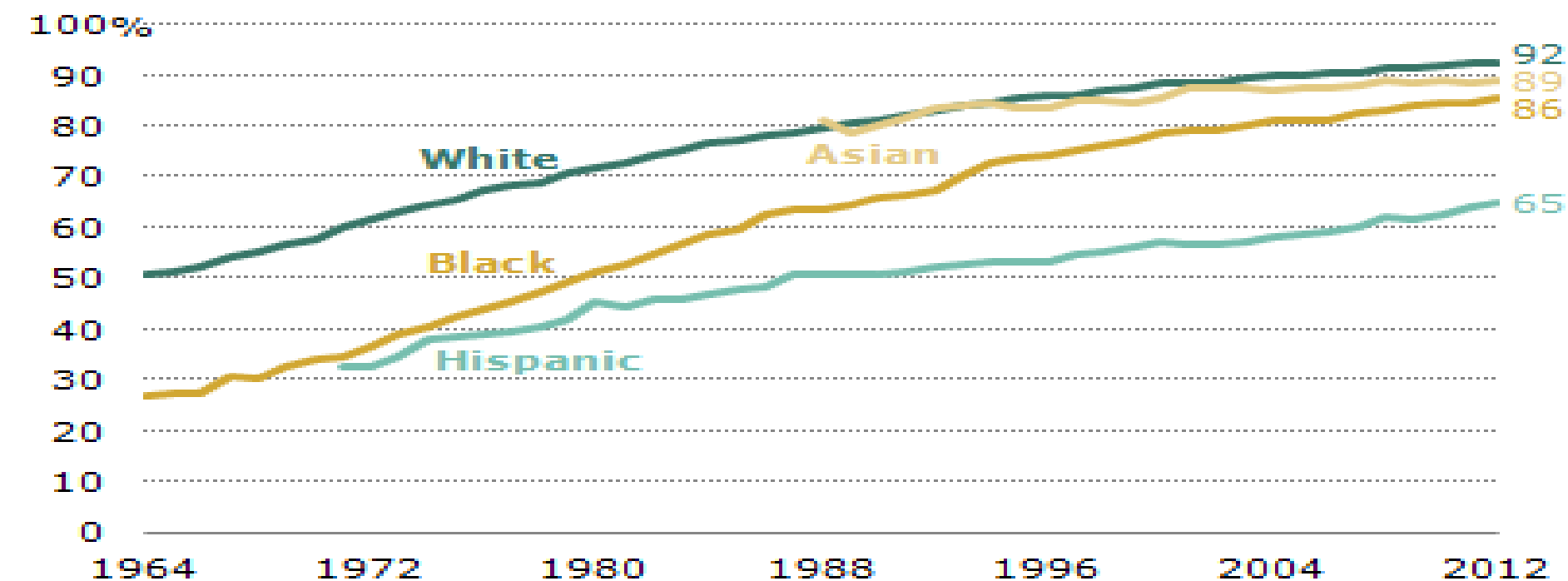


# The Rising Talent (Skills) Bar to Compete



# High School Completion by Race/Ethnicity, 1964-2012

*% of adults age 25 and older*



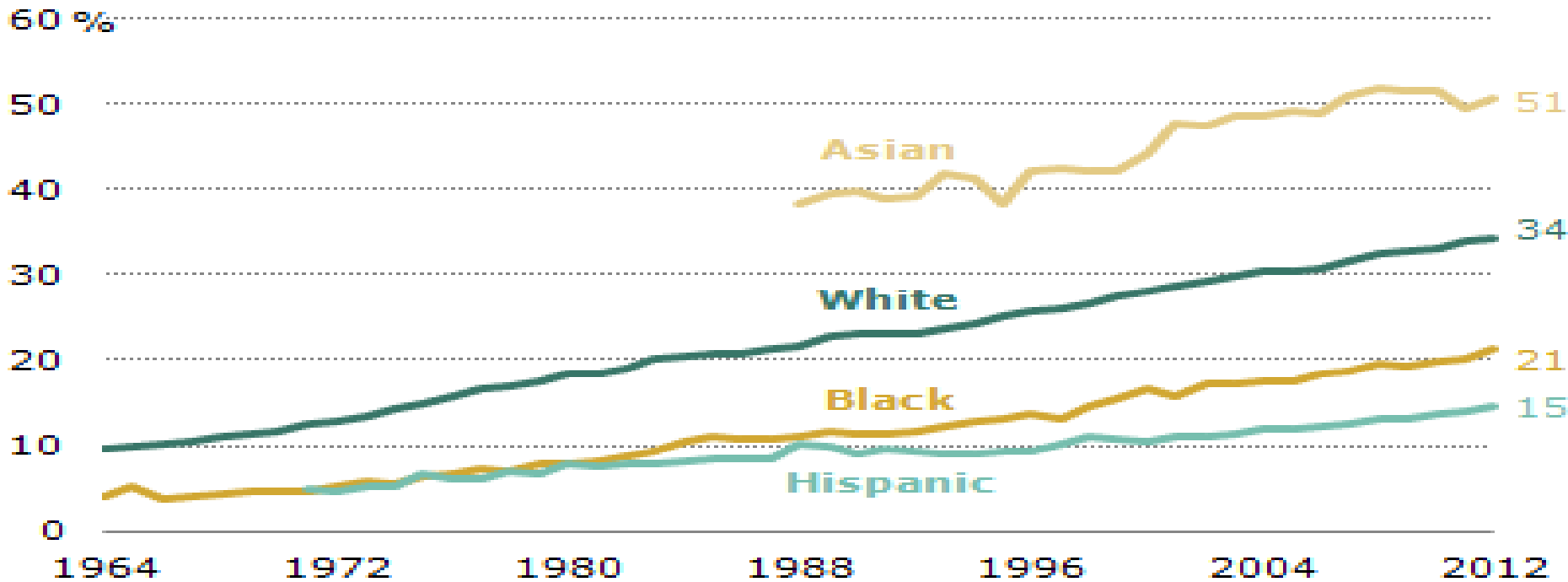
Note: White, black and Asian adults include only those who reported a single race. Native Americans and mixed-race groups not shown. Data for whites, blacks and Asians from 1971 to 2011 include only non-Hispanics. Data for whites and blacks prior to 1971 include Hispanics. Comparable data for Hispanics not available prior to 1971. Data for Asians not available prior to 1988. Asians include Pacific Islanders. Before 1992 refers to those who completed at least 12 years of school. For 1992-2012 refers to those who have at least a high school diploma or its equivalent.

Source: Pew Research Center tabulations of the Current Population Survey Annual Social and Economic Supplement (IPUMS)

PEW RESEARCH CENTER

# College Completion by Race/Ethnicity, 1964-2012

% of adults age 25 and older



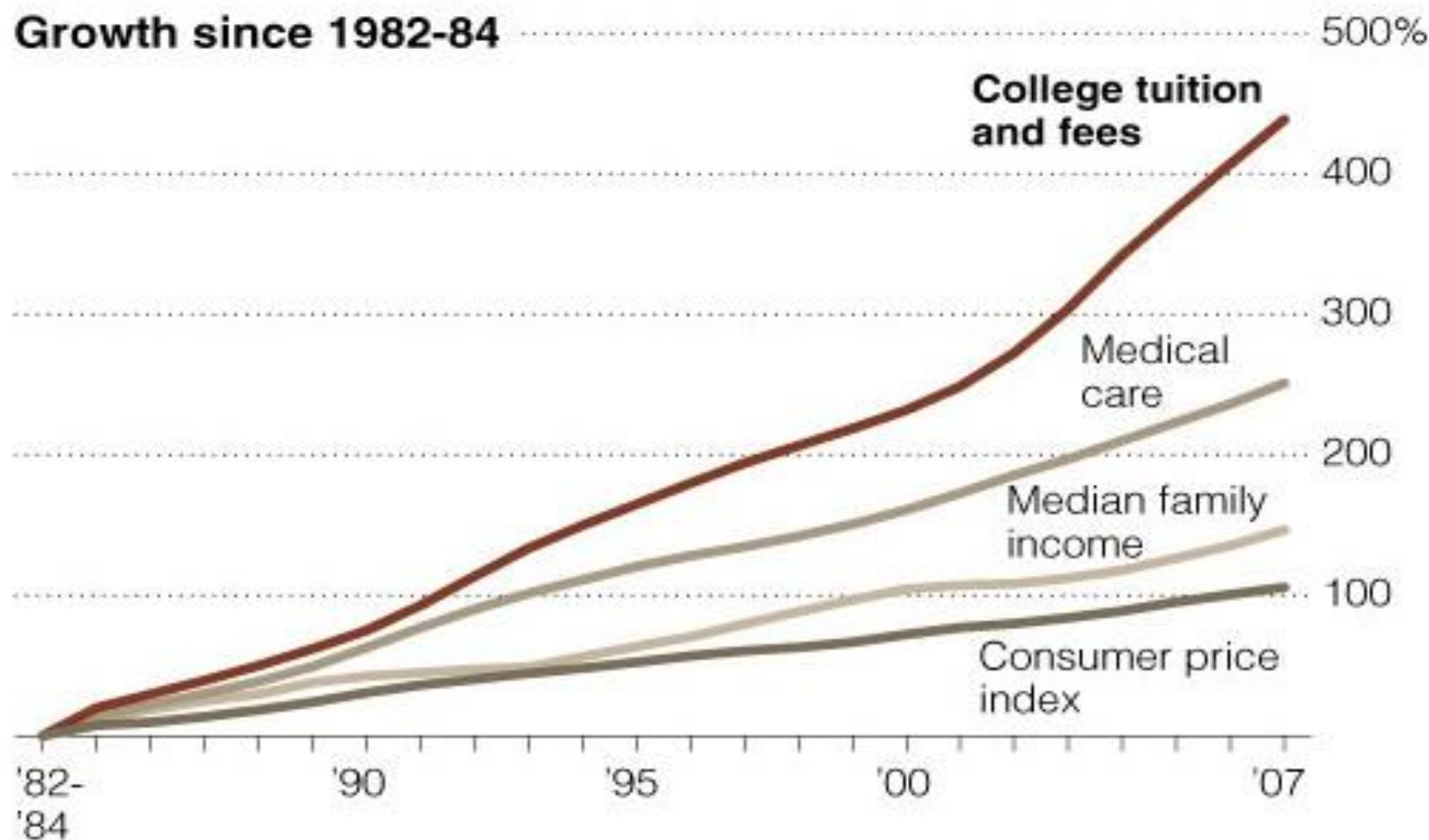
Note: White, black and Asian adults include only those who reported a single race. Native Americans and mixed-race groups not shown. Data for whites, blacks and Asians from 1971 to 2011 include only non-Hispanics. Data for whites and blacks prior to 1971 include Hispanics. Comparable data for Hispanics not available prior to 1971. Data for Asians not available prior to 1988. Asians include Pacific Islanders. Before 1992 refers to those who completed at least 16 years of school. For 1992-2012 refers to those who have at least a bachelor's degree.

Source: Pew Research Center tabulations of the Current Population Survey Annual Social and Economic Supplement (IPUMS)

# Soaring College Tuitions

College tuition continues to outpace median family income and the cost of medical care, food and housing.

**Growth since 1982-84**

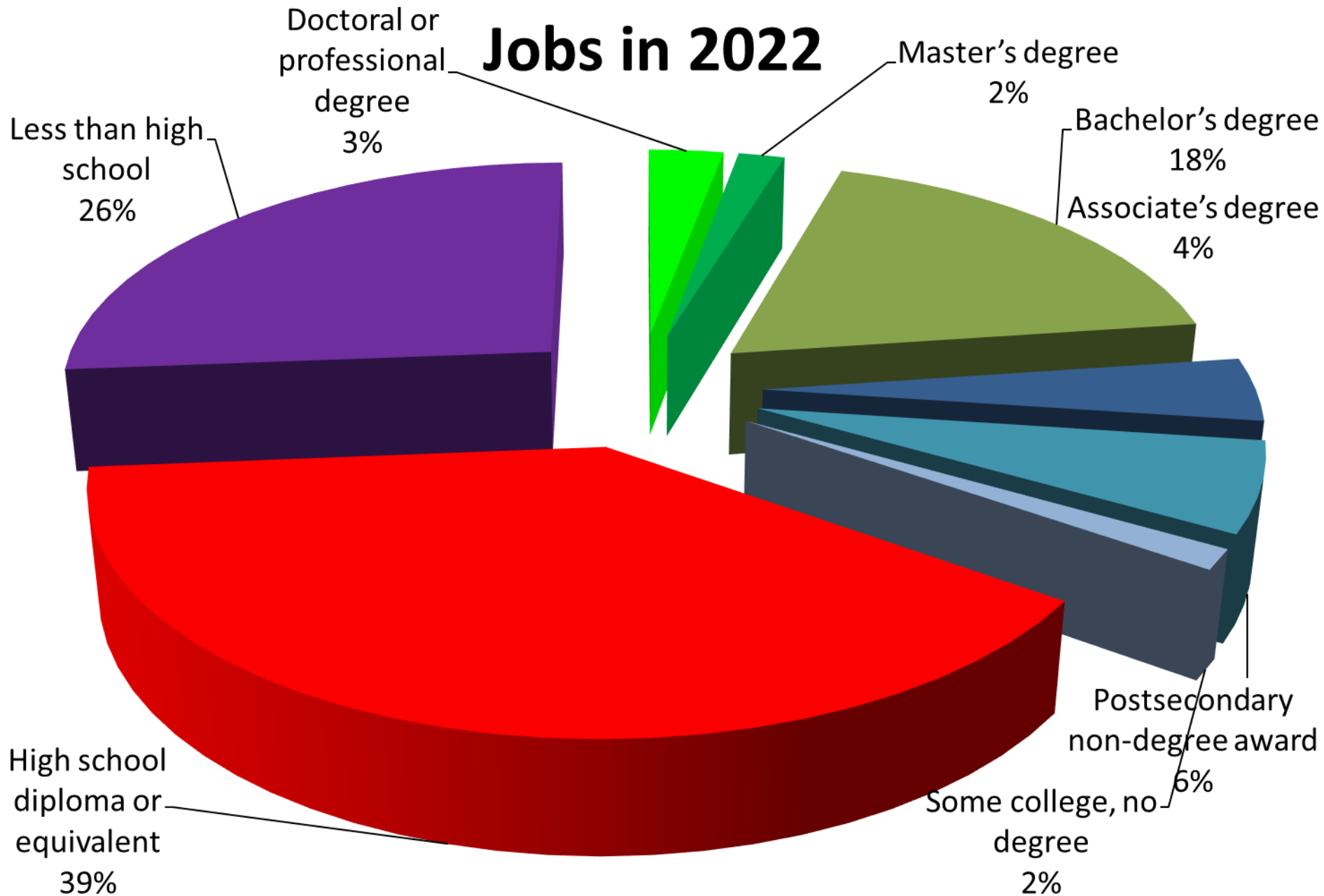




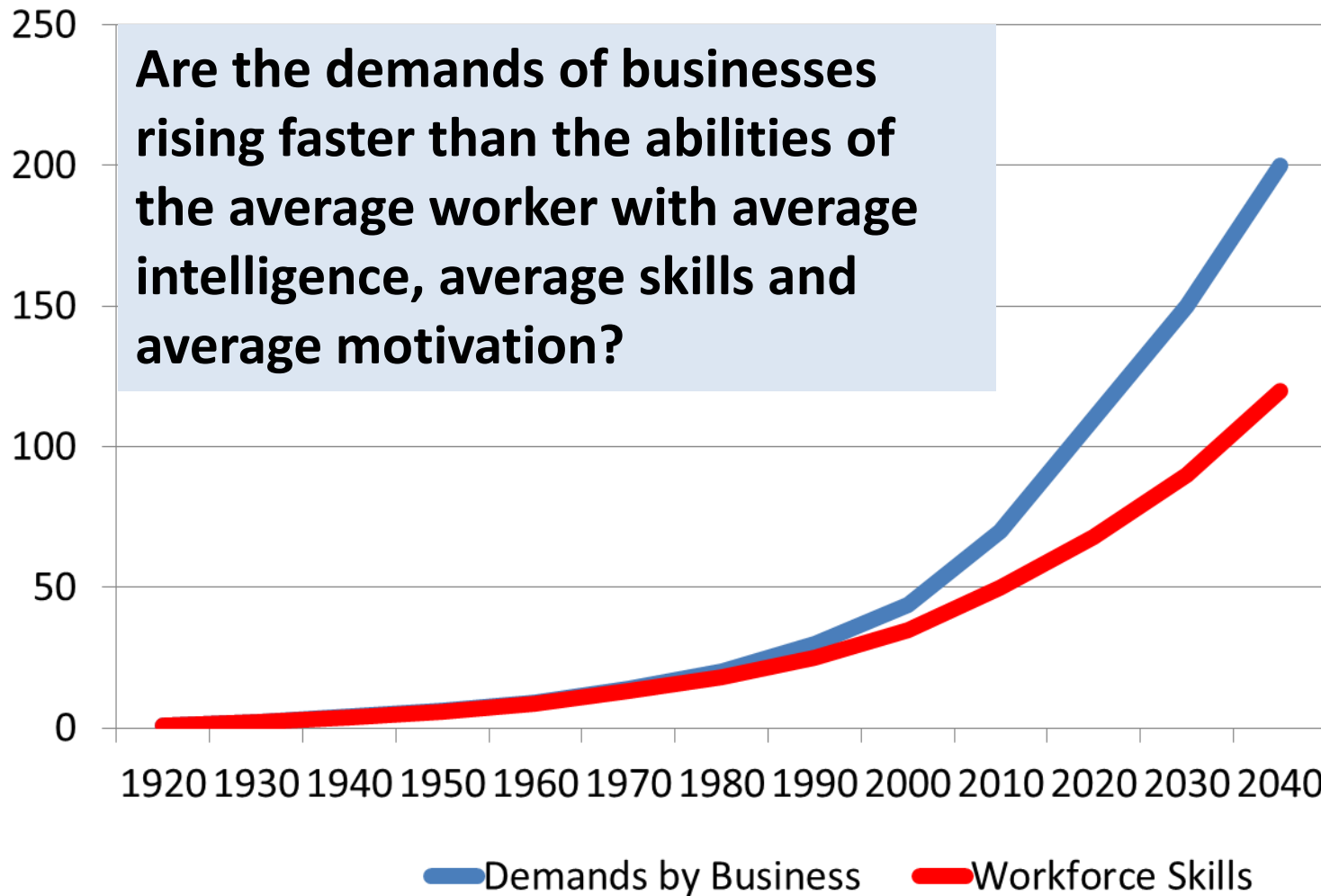
# What % of Jobs, in America, in 2022 will require a Bachelor's Degree or more?



# Jobs in 2022



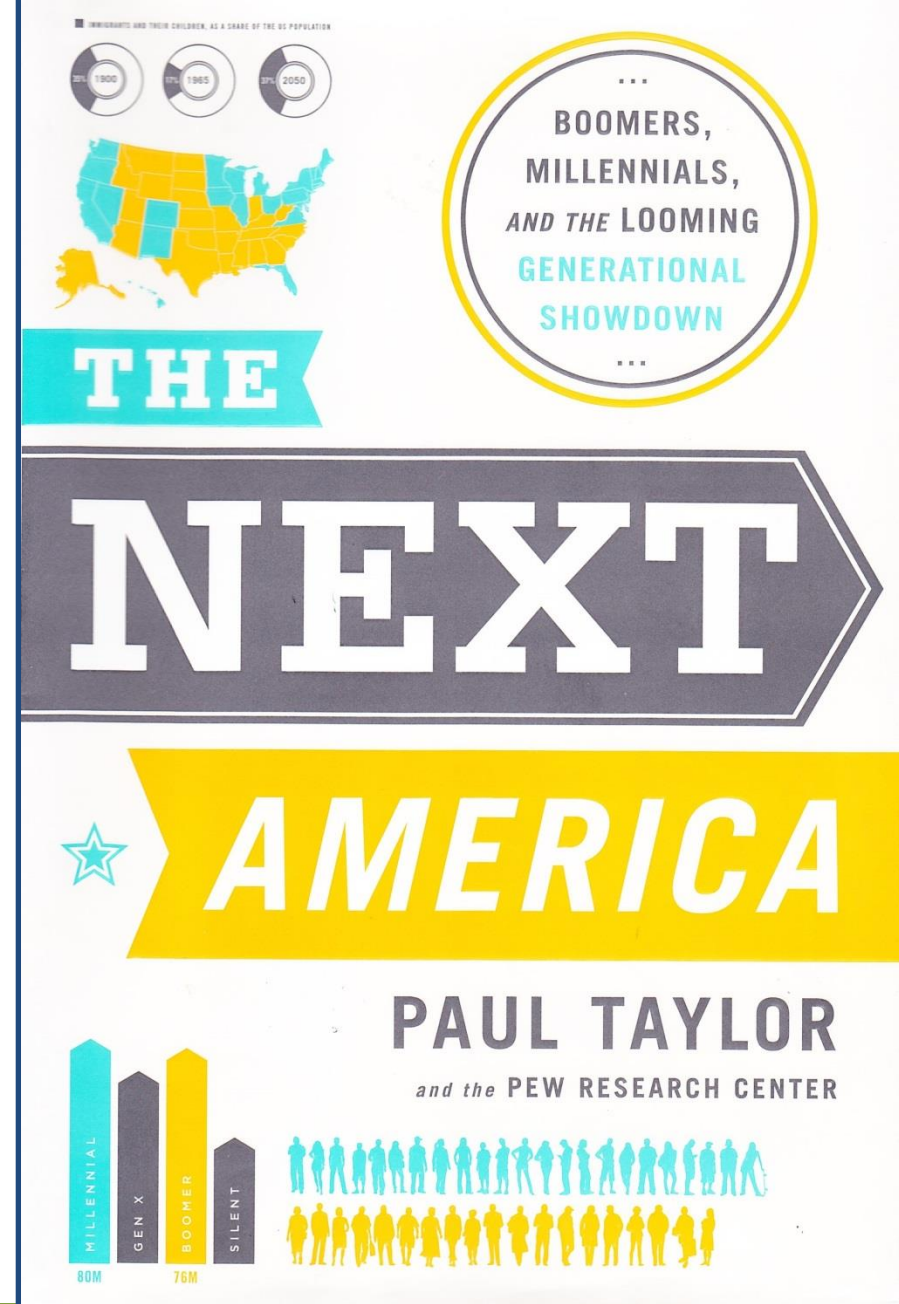
# Can the Skills of the Talent Pool Keep Up With the Demand for Skills?



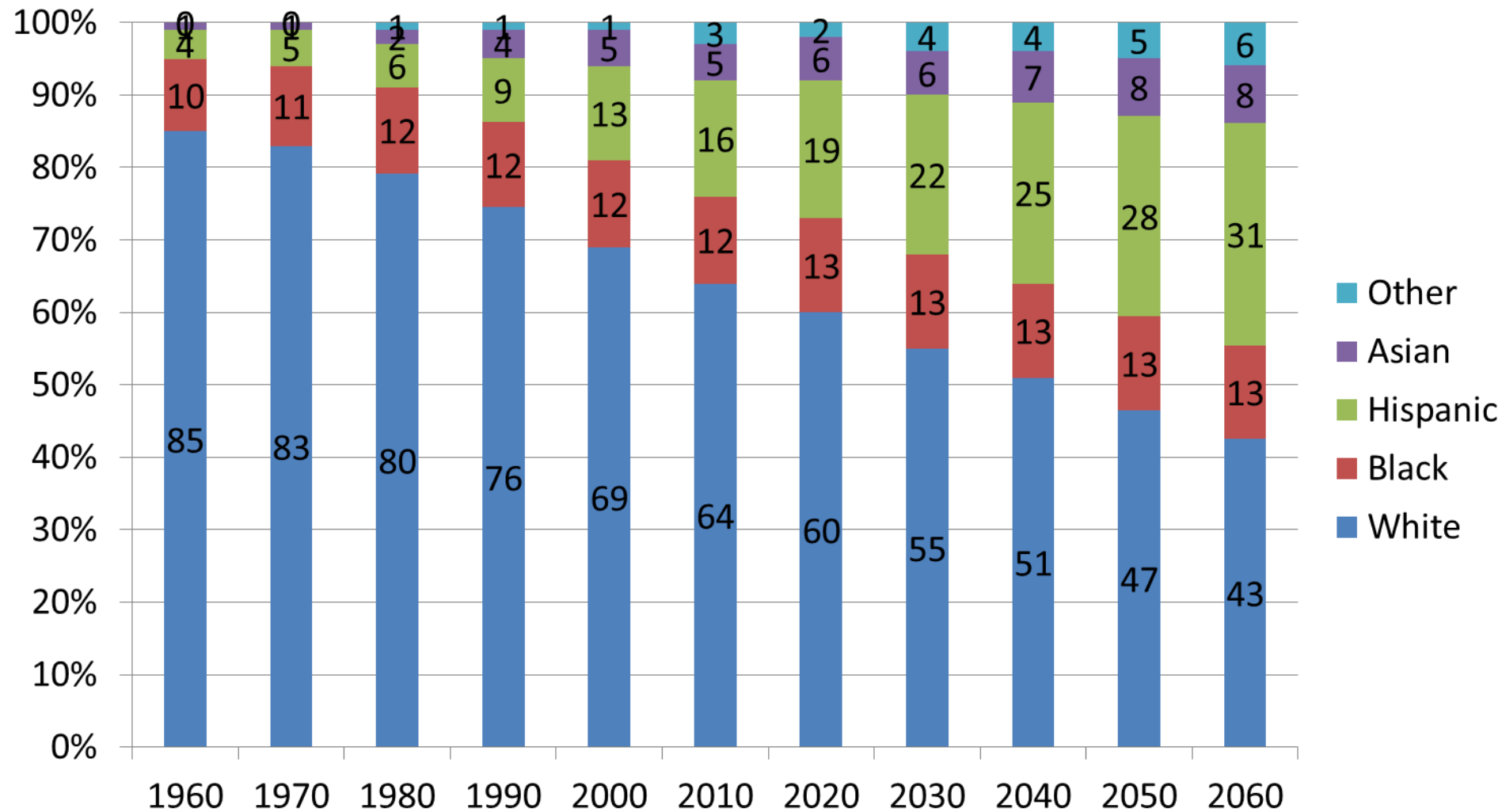




# Demographics



# The Changing Face of America 1960-2060



# The Economist

APRIL 26TH–MAY 2ND 2014

Economist.com

Warren Buffett: time for a break-up?

Germany abandons reform

China's middle-class exodus

How to teach your child to code

Robot sex, batteries not included

## A billion shades of grey

*"Thanks to us oldies,  
the world economy is threatened  
with secular stagnation, China's  
prospects are deteriorating  
and inequality is rising"*

*"That's nice,  
dear"*



# The Nature of Work







Careers are now **complex, fragmented, specialized, collaborative** and ever evolving. More often than not, our work life will be made up of a **portfolio of micro-careers.**





- Multicultural and multiracial America
- Advanced logistics
- Genetic medicine



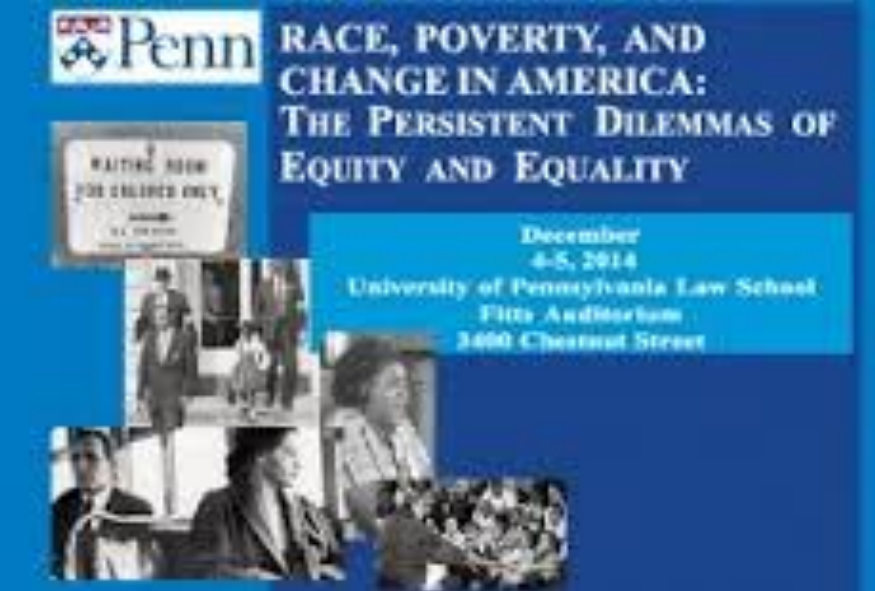


- Reinvented community
- Education reinvention
- Wearable tech
- AI

## Artificial Intelligence



Facebook plans to develop artificial intelligence as well to make the way we live smarter. [Click here to know more.](#)



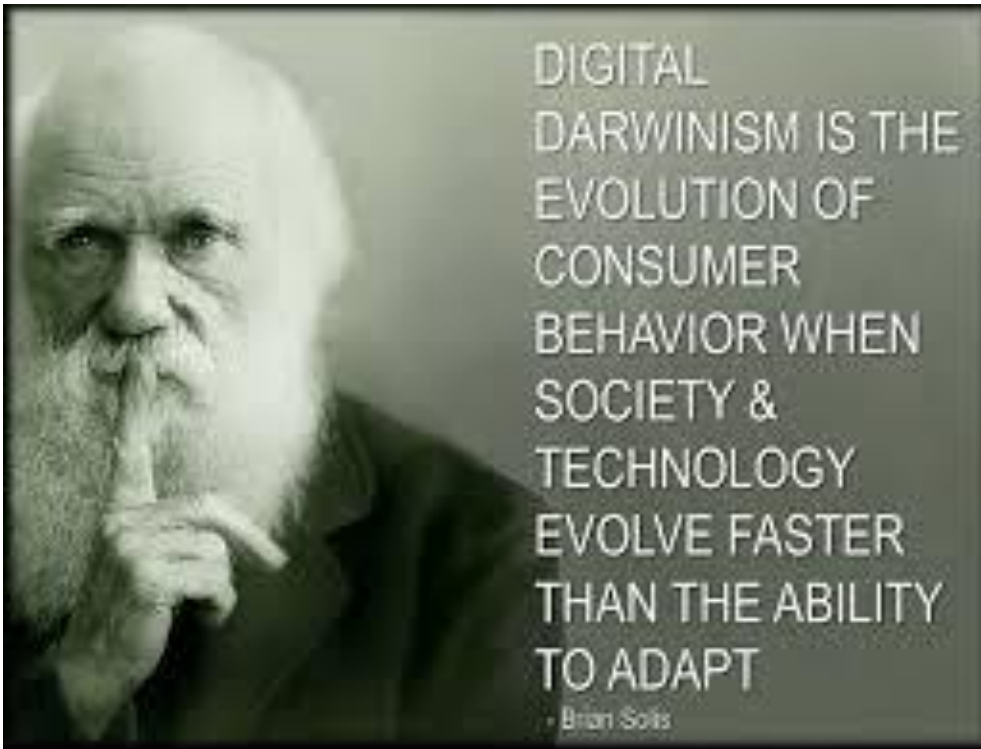
- Inequity

Climate Change

Social activism







# THE FUTURE OF **BUSINESS**





ECONOMIC  
LEADERSHIP

Follow on twitter  
@tedabernathy

or

LinkedIn Ted Abernathy

*"Leadership and learning are  
indispensable to each other."*

*John F. Kennedy*

