

Data and Trends

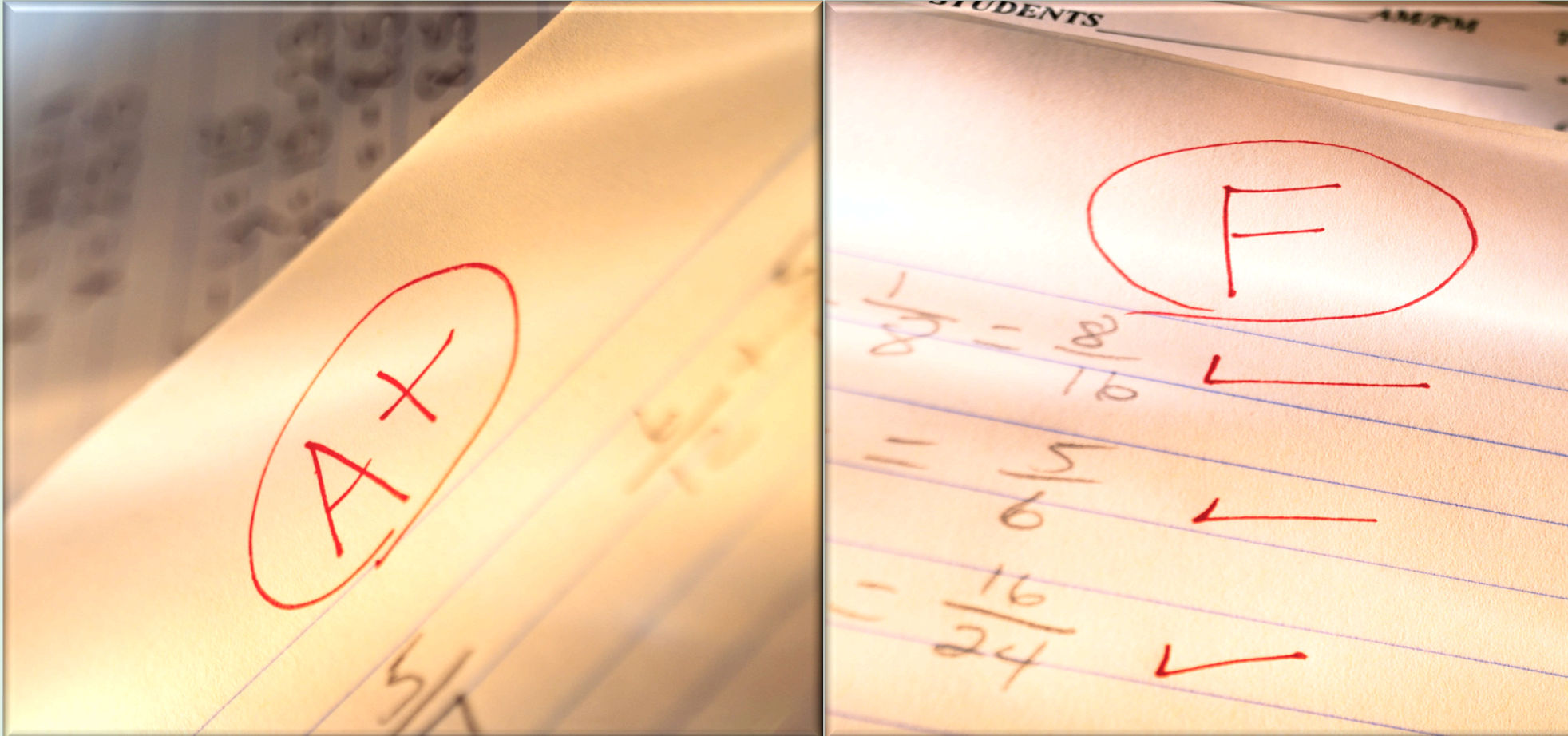
2017 STATE OF THE REGION CONFERENCE

MOVING **FORWARD**
TOGETHER





How Is The Economy?





First Let's Look Back

LinkedIn (2003)

Facebook (2004)

YouTube (2005)

Twitter (2006)

Smart Phone (2007)

Fitbit (2007)

Spotify (2007)

Dropbox (2007)

Airbnb (2008)

Hulu (2008)

Kickstarter (2009)

Facetime (2010)

Uber (2009)

Pinterest (2010)

Snapchat (2011)

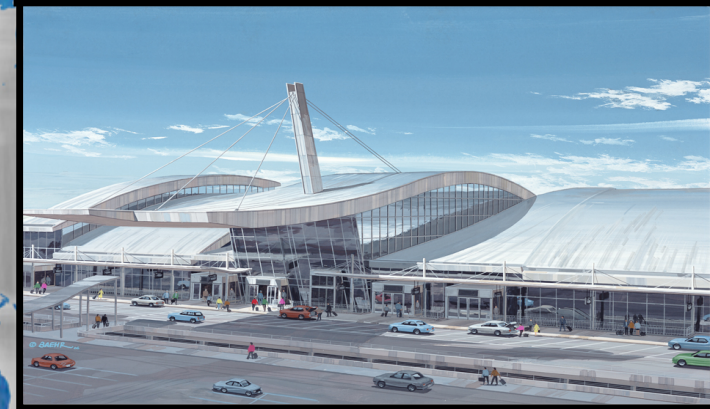


State of the Research Triangle Region 2007

An in-depth look at the
region's economic health
and competitive position

2007

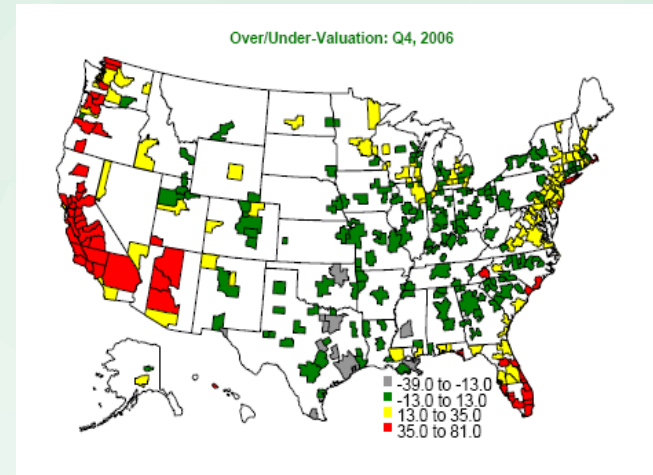
May 24, 2007





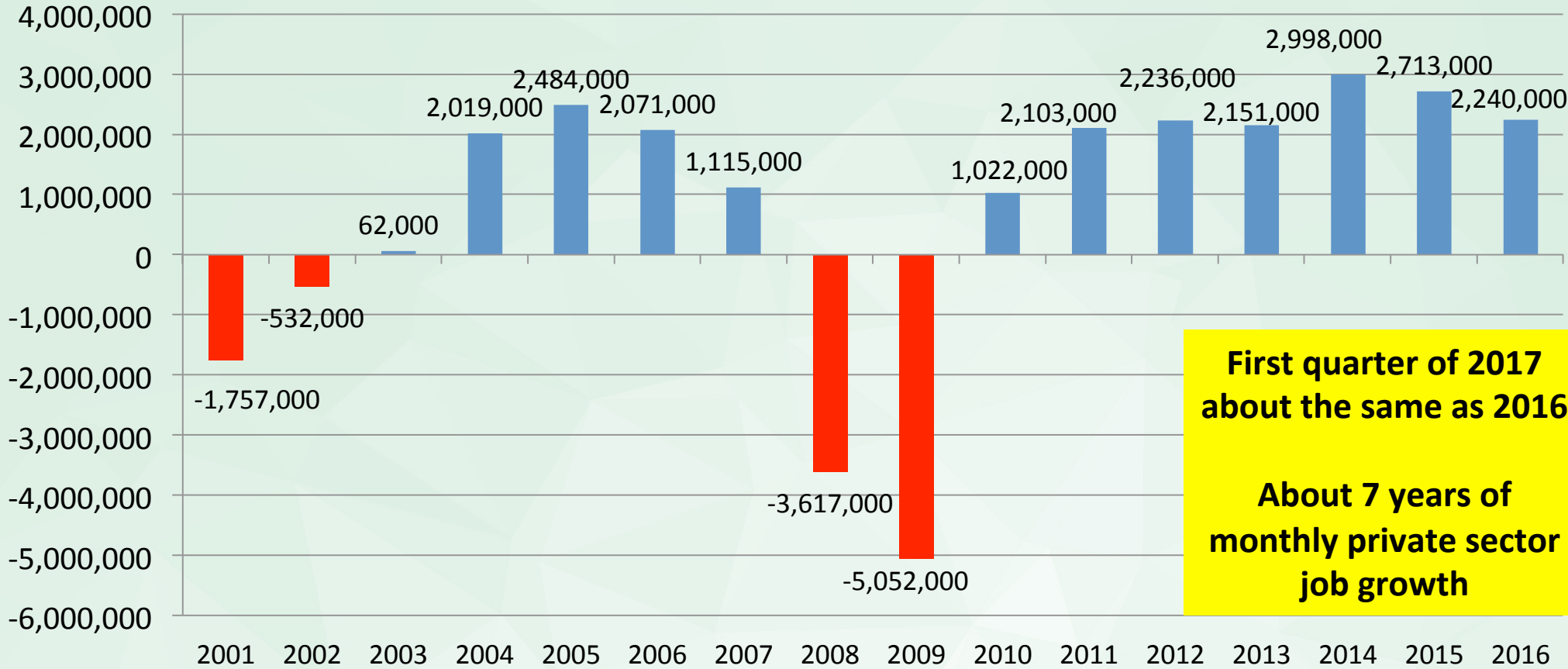
Major Recent (2007) Announcements

- Merck & Co. (\$300M, 200 jobs)
- Quintiles Transnational (1,000 jobs)
- Novartis (\$276M, 350 jobs)
- Eisai (\$105M, 84 jobs)
- Stiefel Research (\$50M, 200 jobs)
- United Therapeutics (\$54M, 175 jobs)
- GSK (\$92M, 200 jobs)
- Wyeth (\$100M, 200 jobs)
- Novo Nordisk (\$100M, 200 jobs)





Annual U.S. Nonfarm Employment Change



**First quarter of 2017
about the same as 2016**

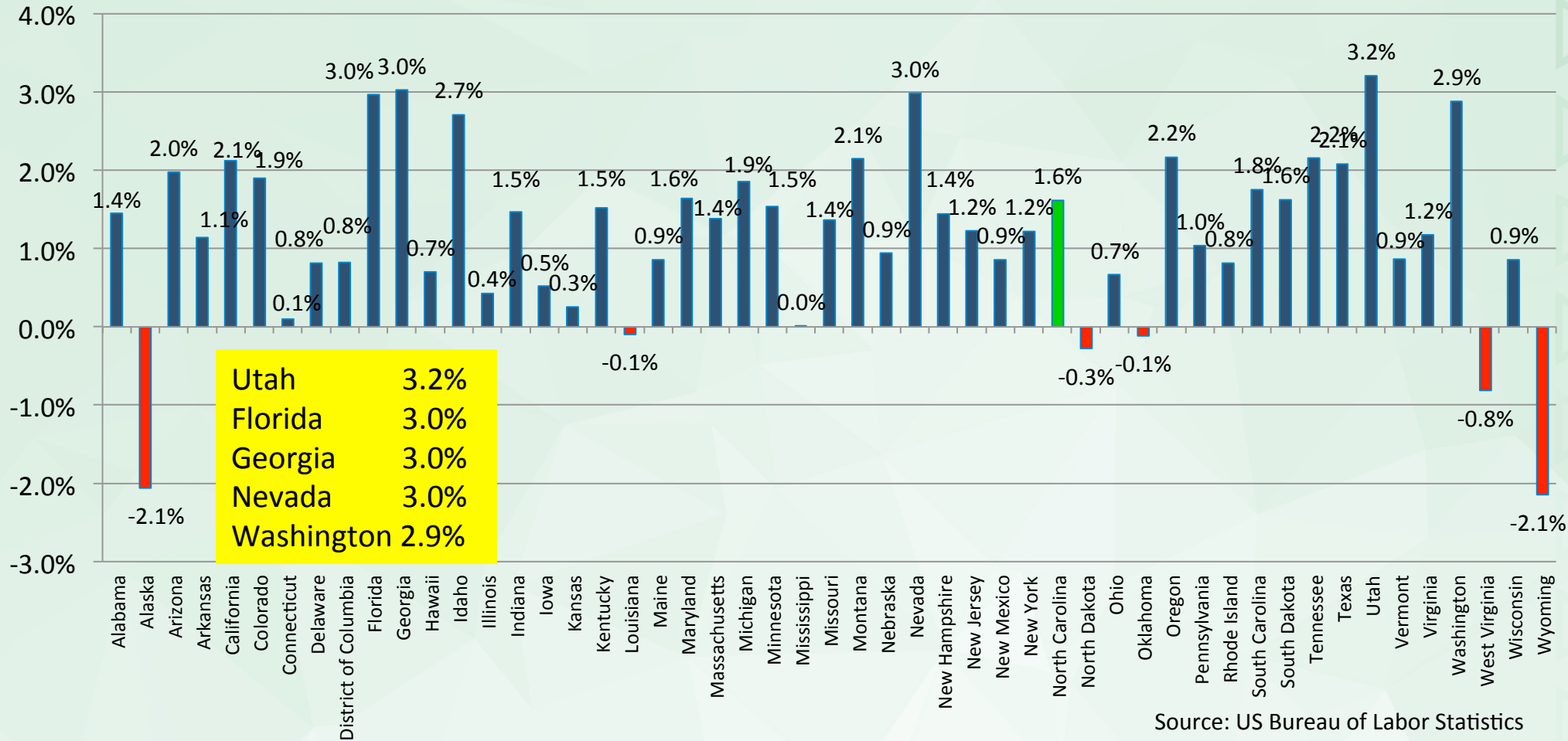
**About 7 years of
monthly private sector
job growth**

Source: US Bureau of Labor Statistics



All States One Year

% Nonfarm Employment Change Mar 2016 – Mar 2017



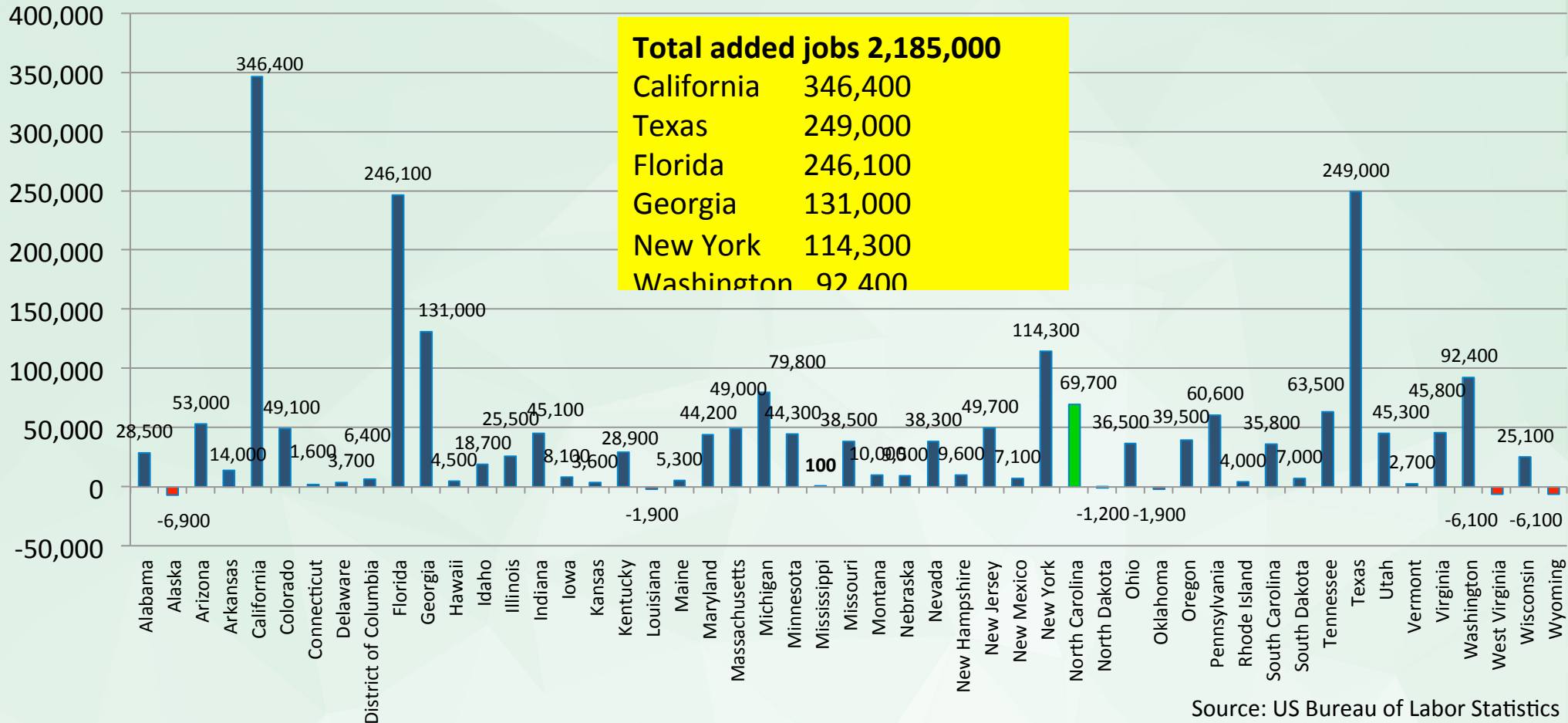
Source: US Bureau of Labor Statistics





All States One Year

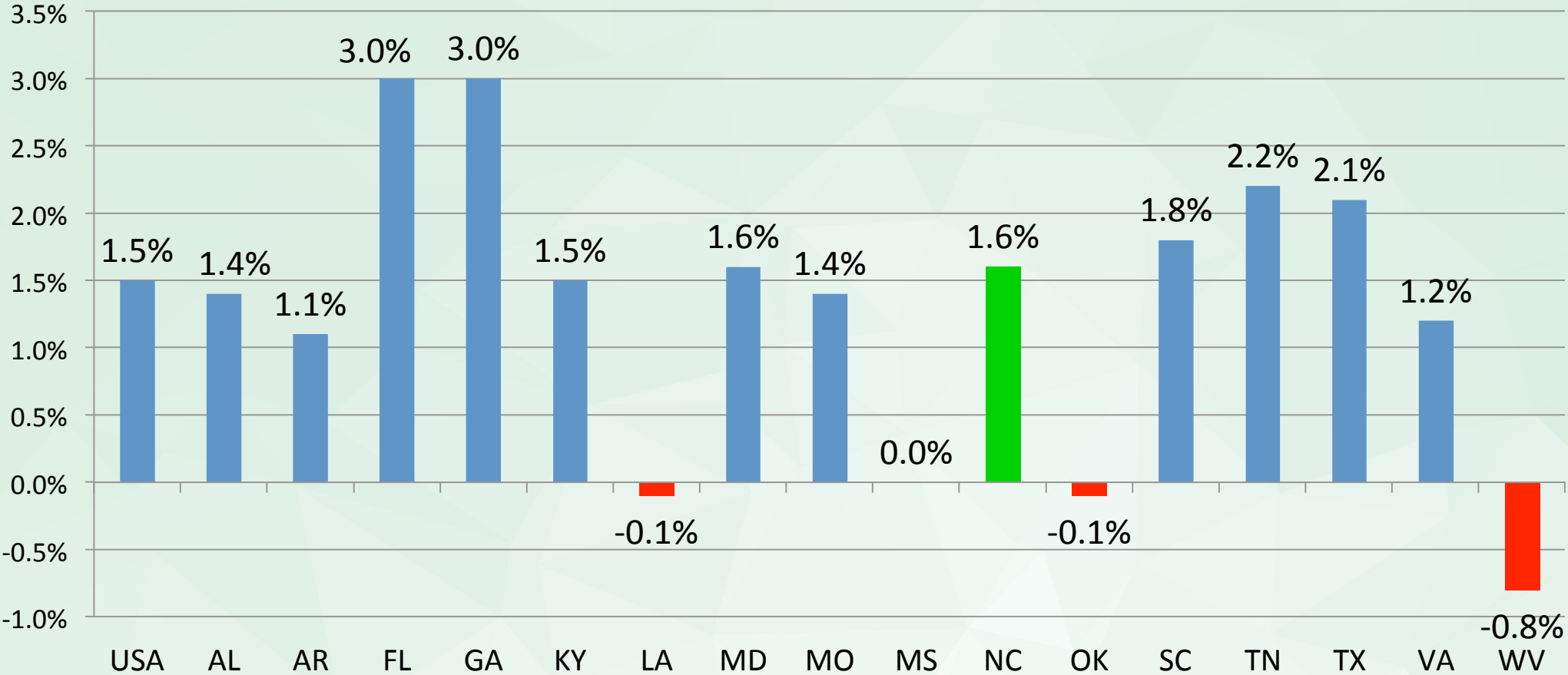
Total Nonfarm Employment Change Mar 2016 – Mar 2017





Southern States One Year

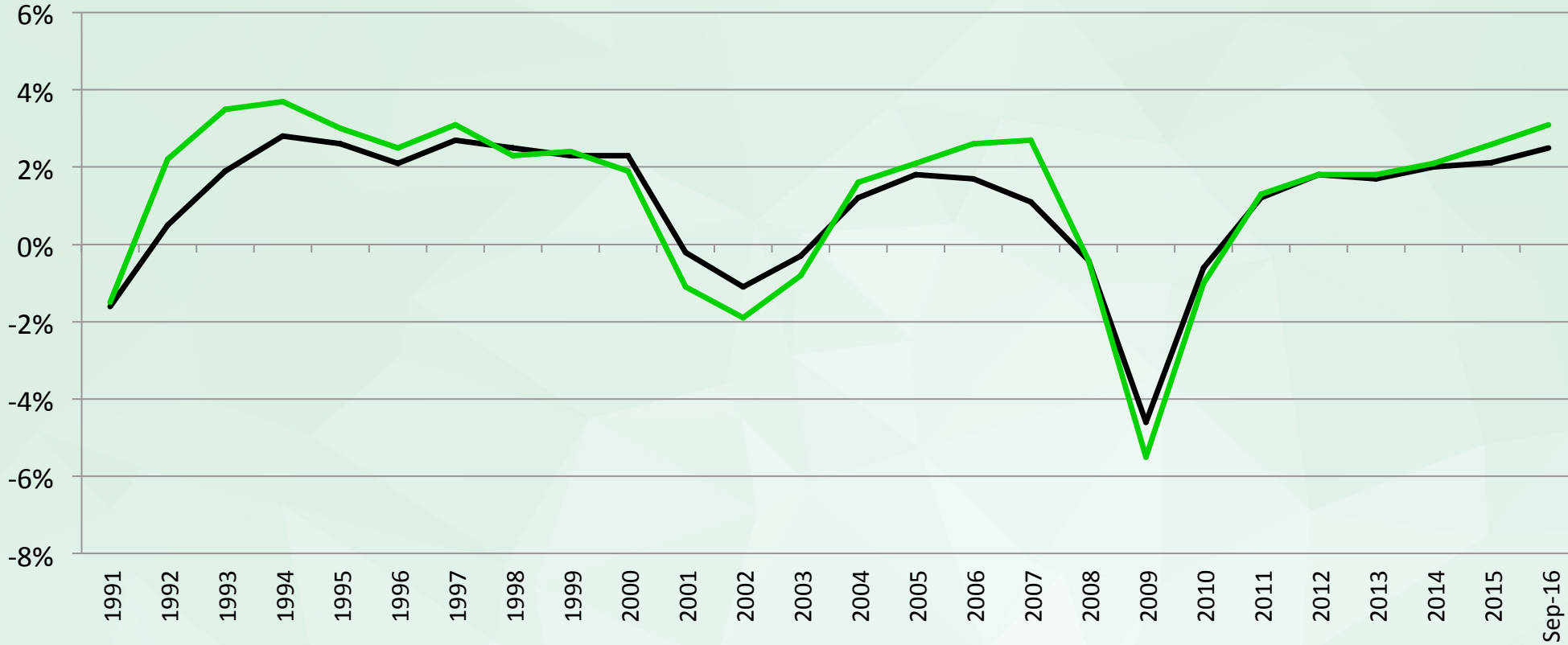
% Nonfarm Employment Change Mar 2016 – Mar 2017



Source: US Bureau of Labor Statistics



% Annual Job Change 1990 - Sept 2017



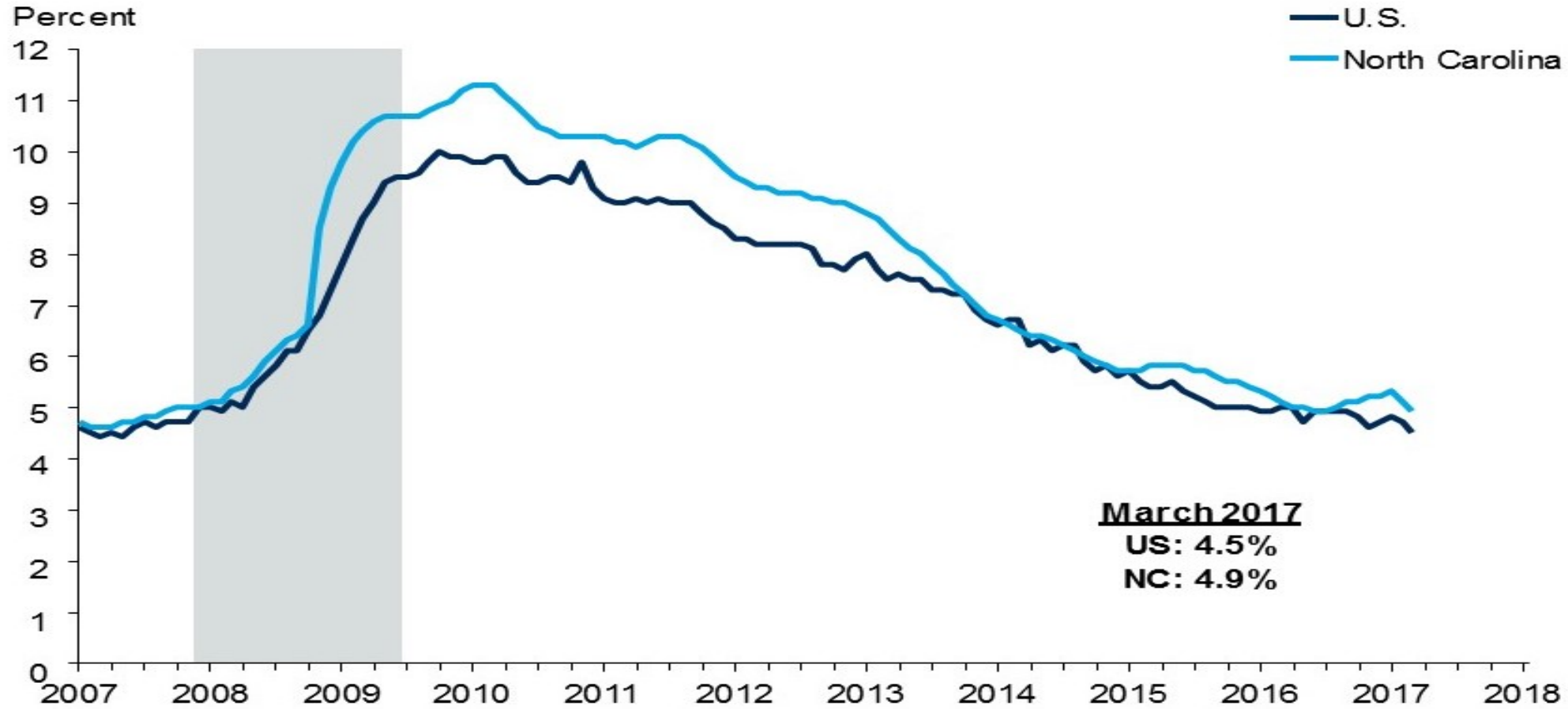
— United States

— North Carolina

Source: US Bureau of Labor Statistics



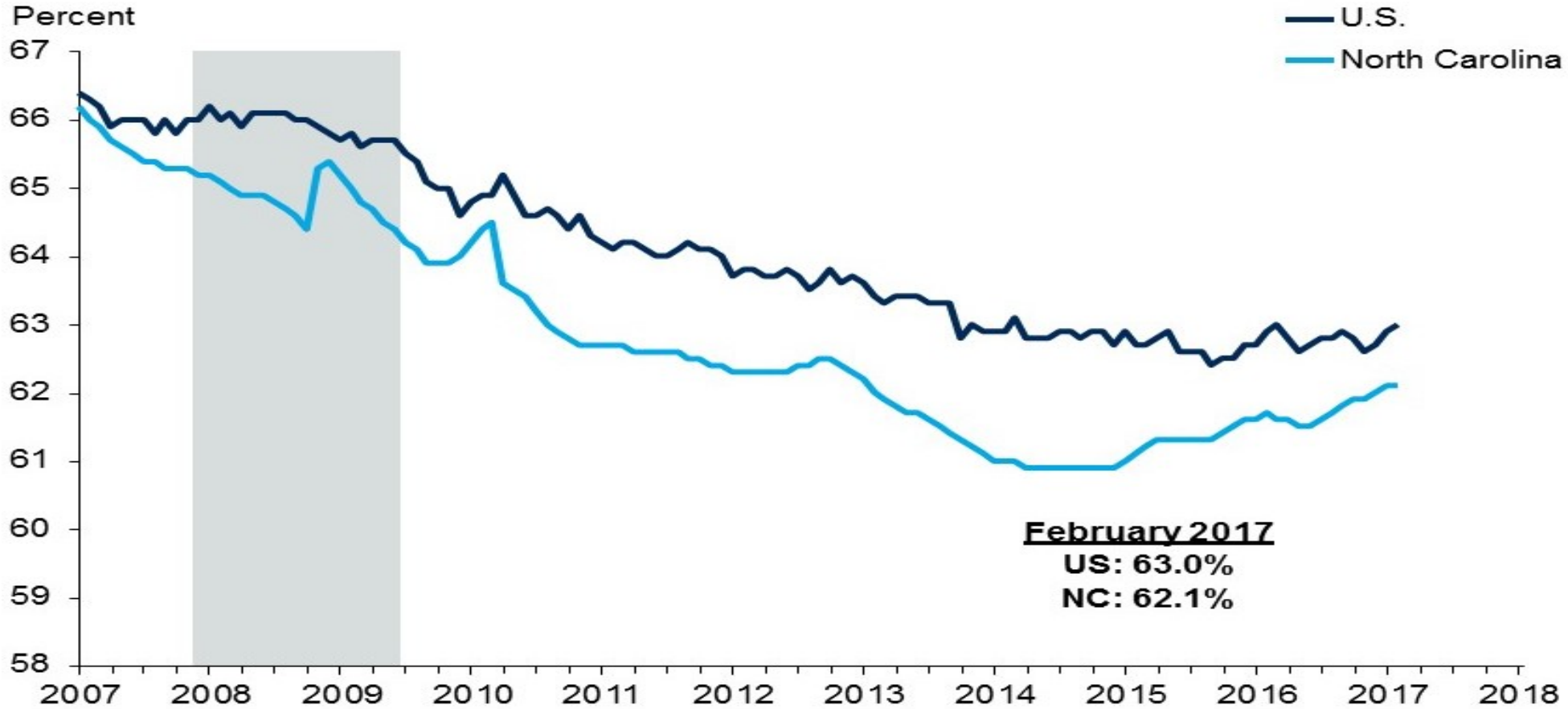
NC Unemployment Rate



Source: Bureau of Labor Statistics/Haver Analytics



Labor Force Participation Rate

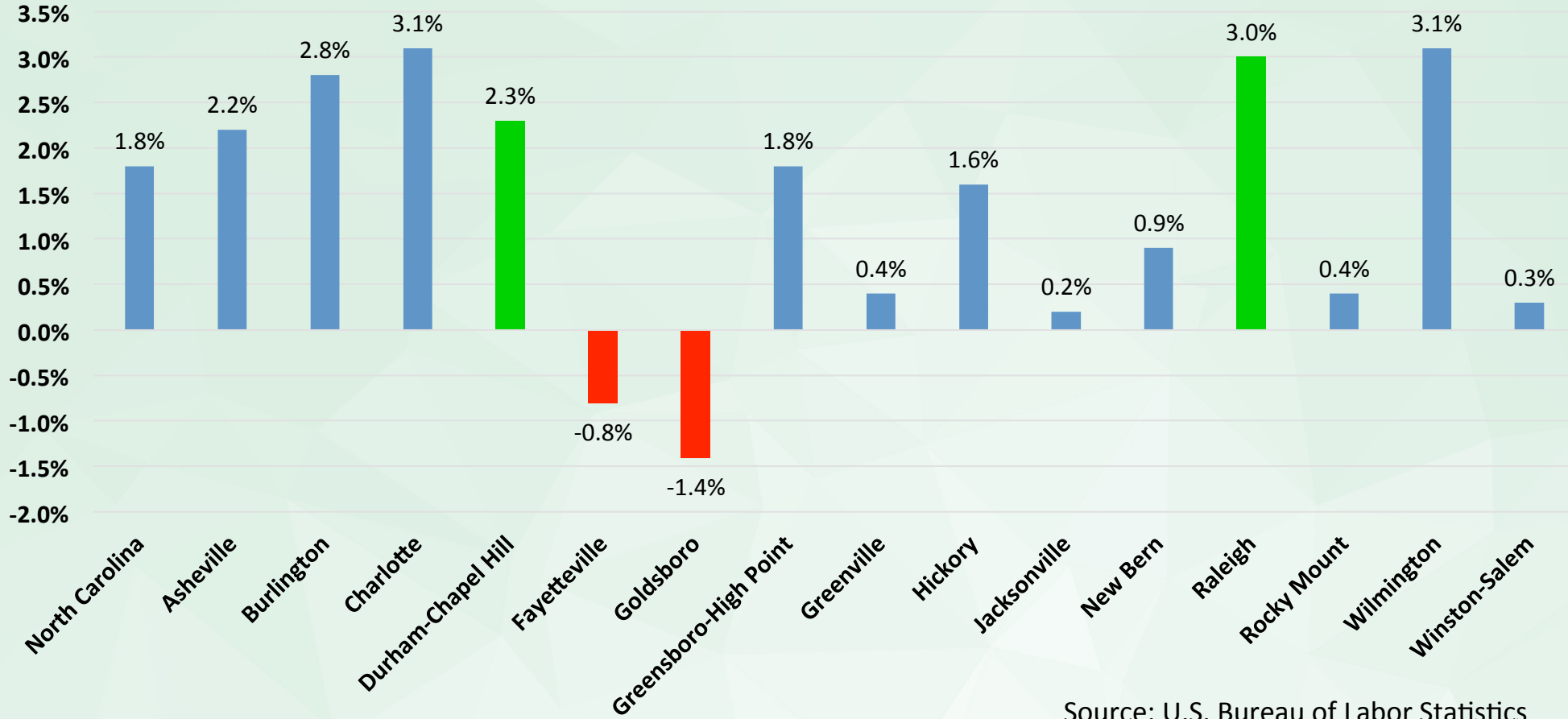


Source: Bureau of Economic Analysis/HaverAnalytics



North Carolina Metros

Nonfarm Employment Growth March 2016 – March 2017

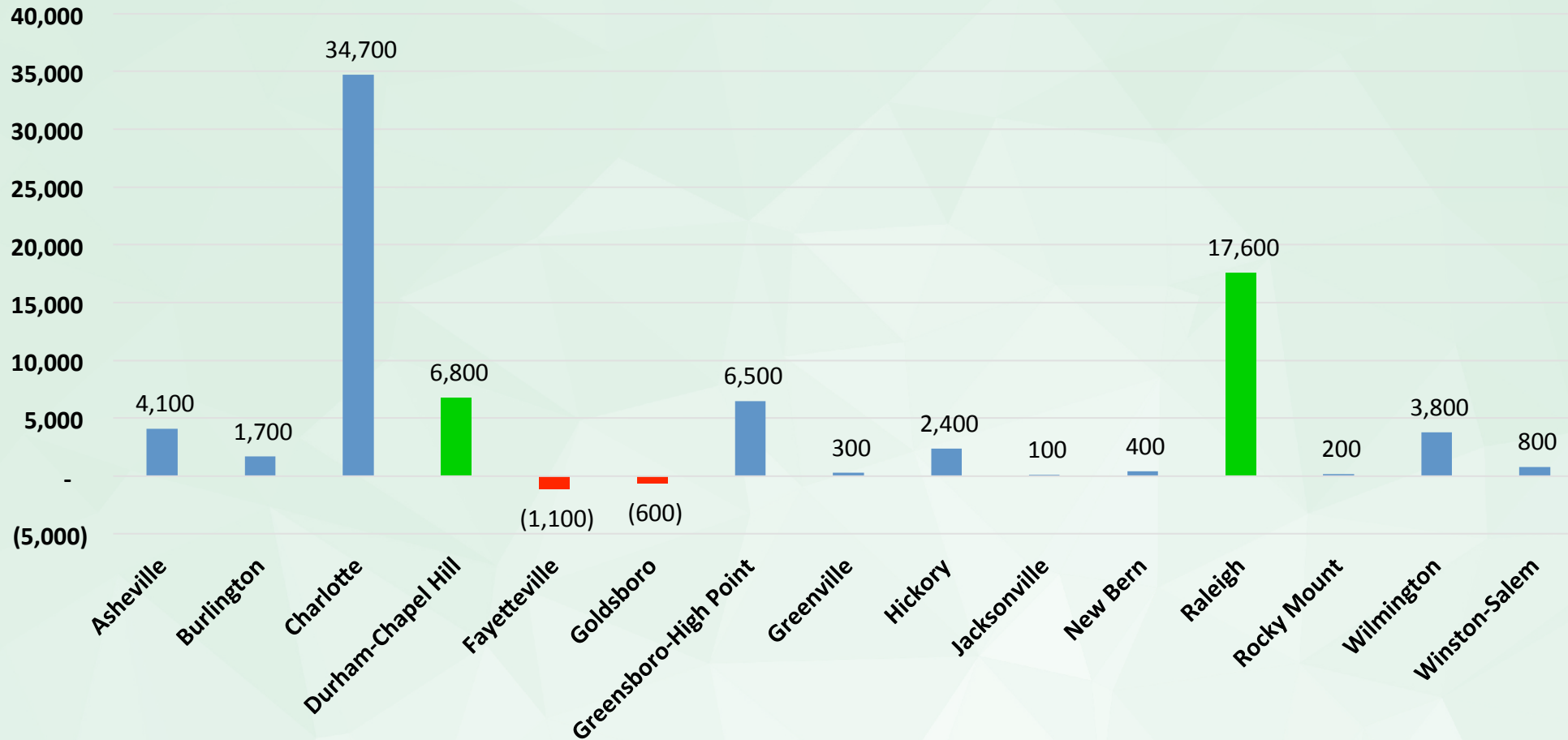


Source: U.S. Bureau of Labor Statistics



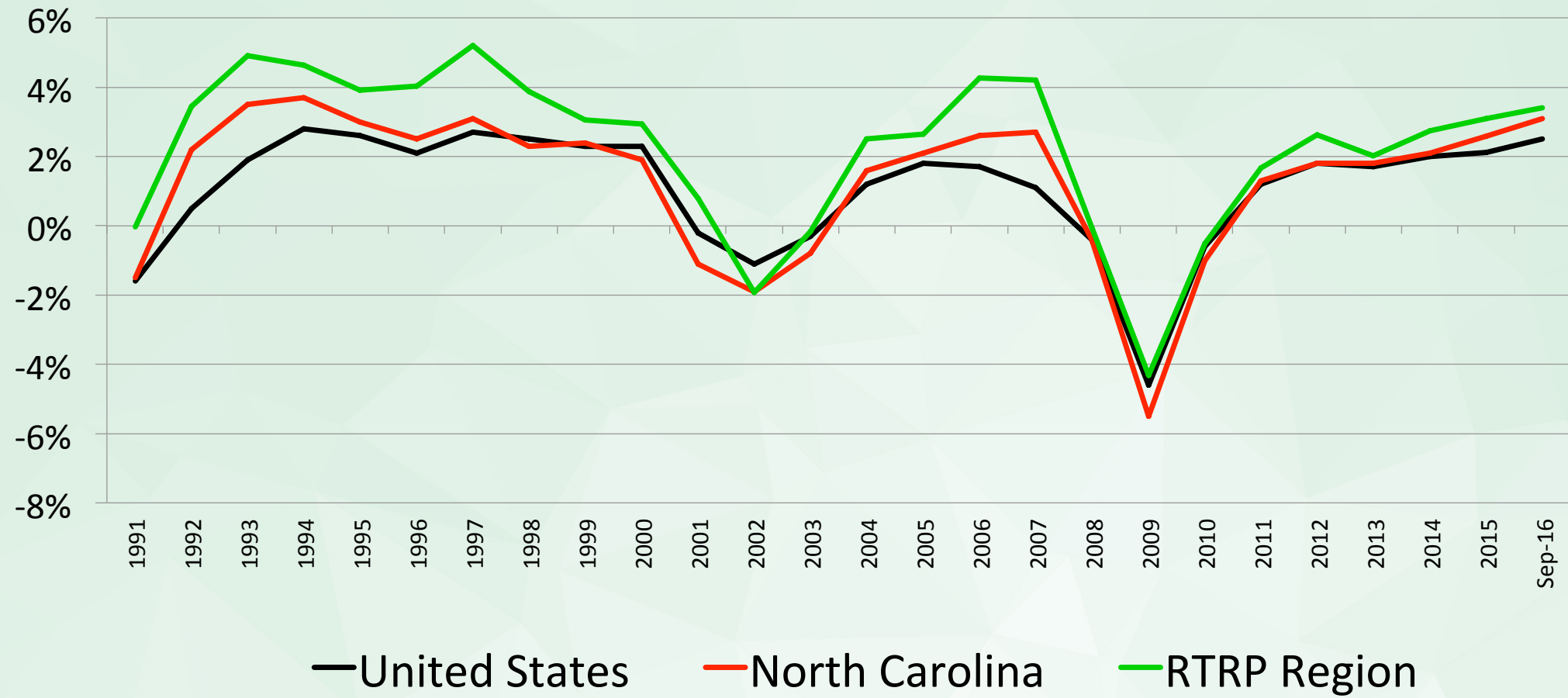
North Carolina Metros

Nonfarm Employment Growth March 2016 – March 2017





Annual Percentage Job Growth

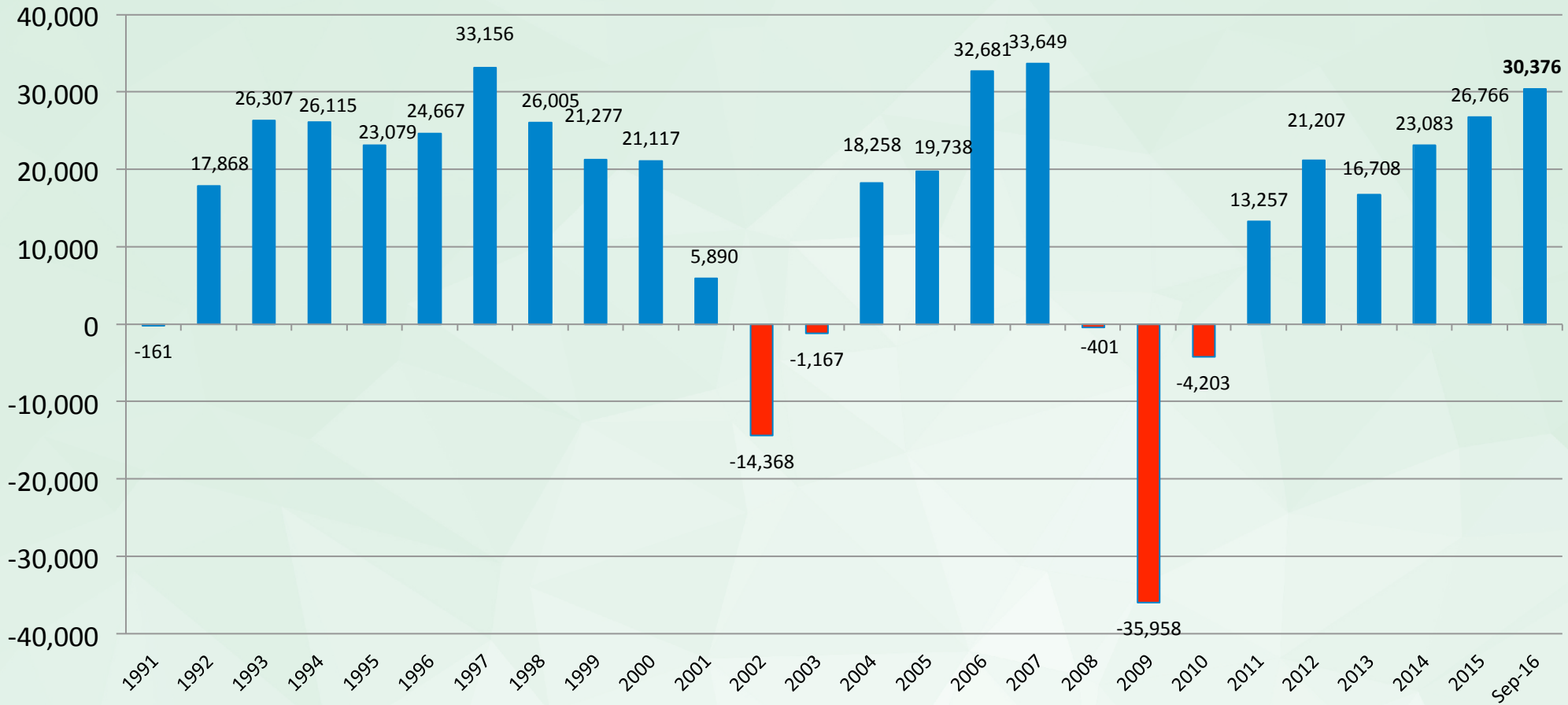


Source: U.S. Bureau of Labor Statistics





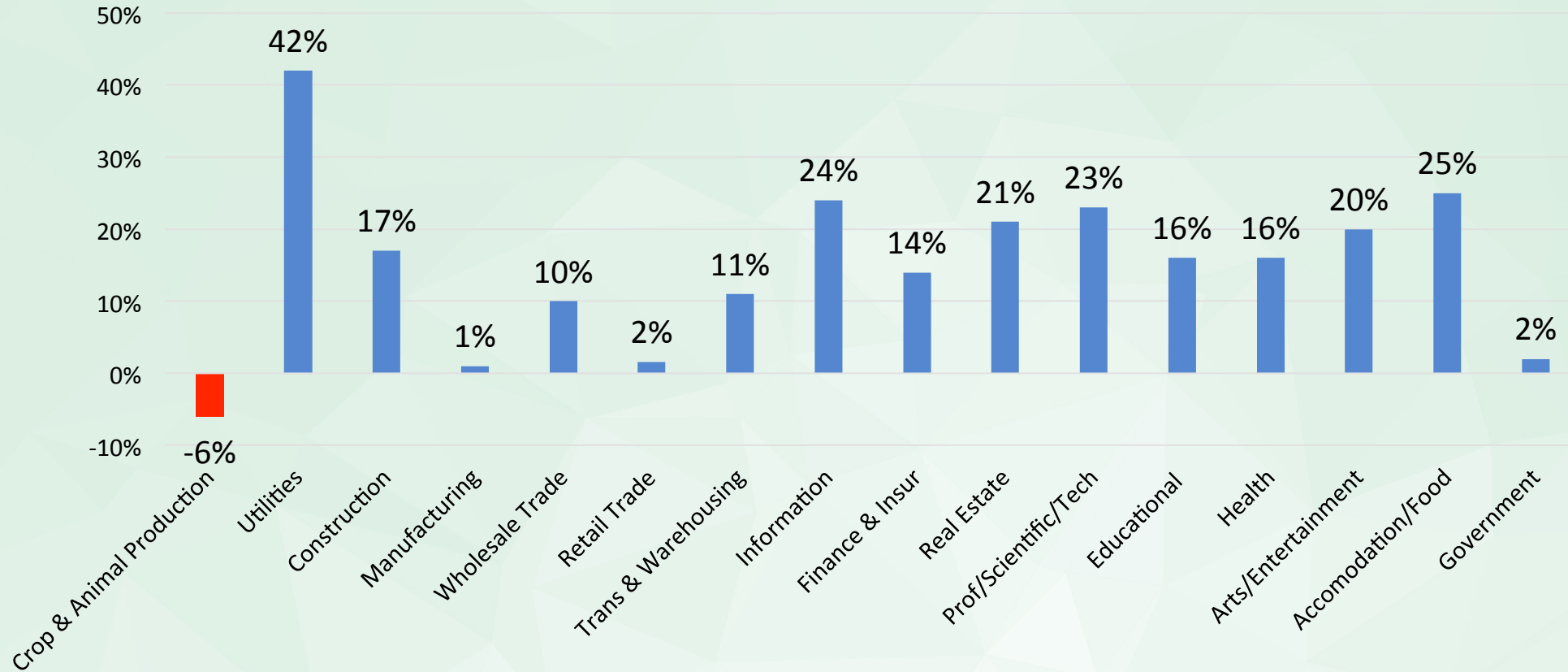
RTRP Net New Jobs 1990-2016



Source: US Bureau of Labor Statistics



RTRP % Job Shifts 2011 - 2016



Source: EMSI



RTRP % Job Shifts 2011 - 2016

In Manufacturing

Lost 1,232 jobs in food manufacturing and 1,177 in chemical manufacturing

Gained 1,493 jobs in transportation equipment manufacturing

In Information

Gained 3,090 jobs in publishing

In Finance and Insurance

Gained 2,331 in securities & commodities

Gained 1,754 in insurance carriers

In Professional Scientific and Technical Services gained 14,192

In Educational services gained 3,240

In Health services gained 16,135

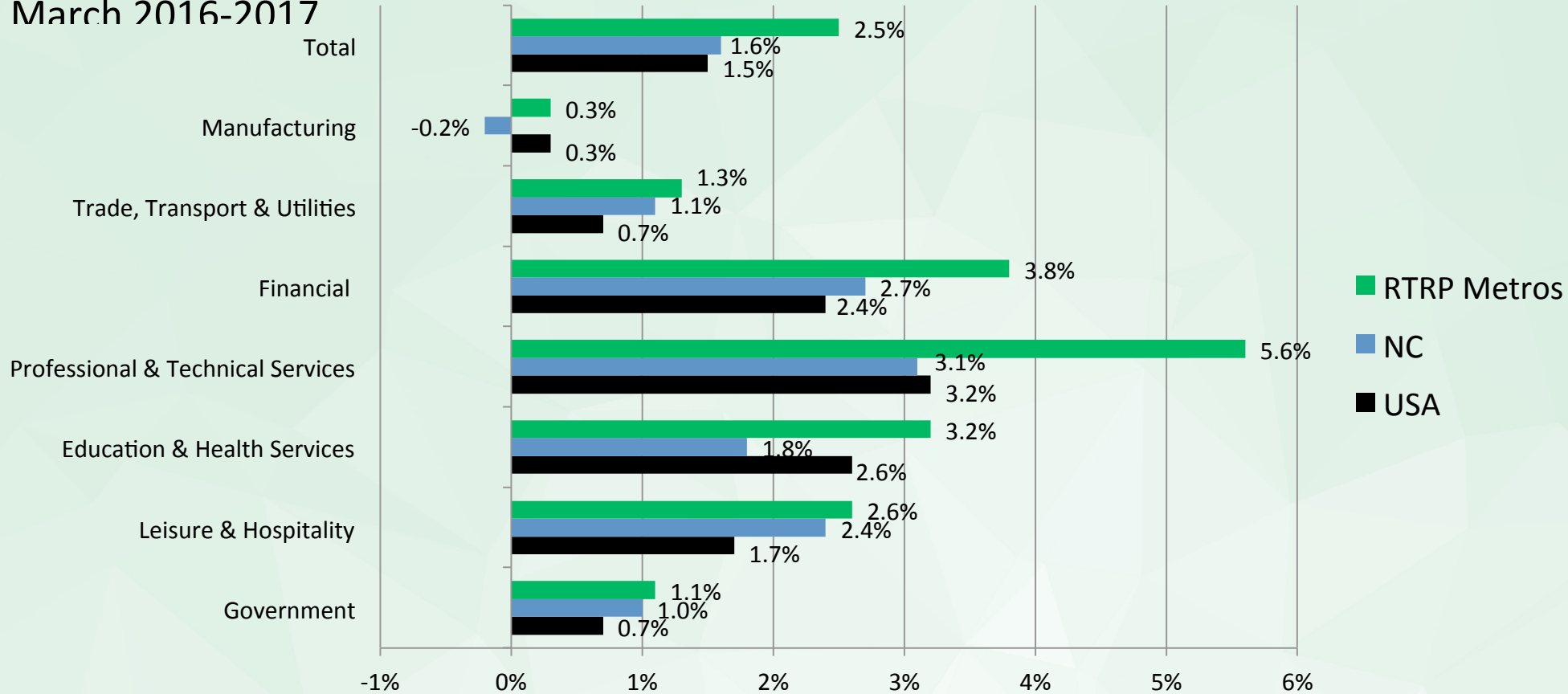
Also added 15,850 jobs in food services and drinking establishments

Source: EMSI



Employment Gains by Sector

March 2016-2017

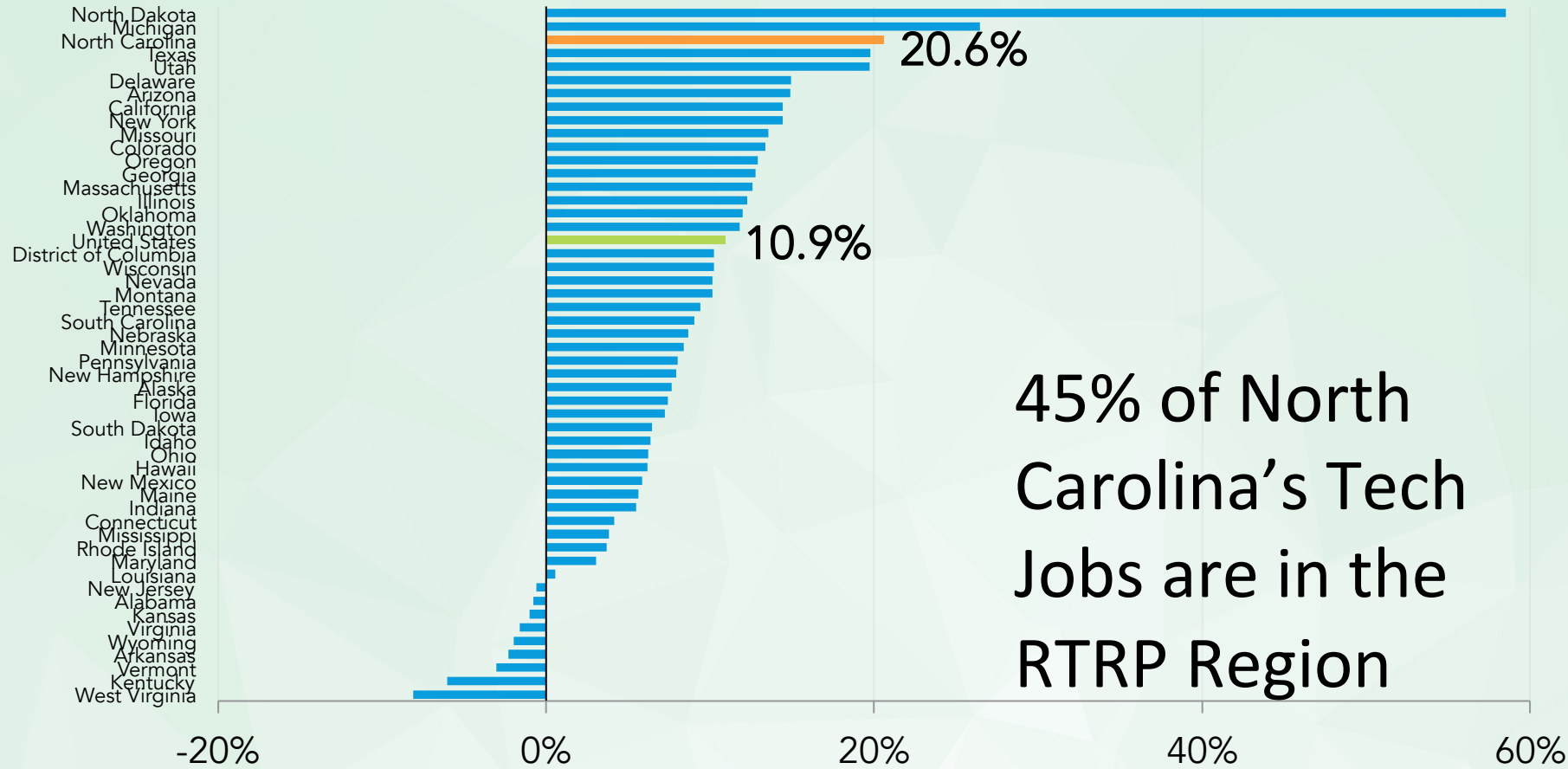


Source: US Bureau of Labor Statistics & NC Commerce

Tech Sector Employment Growth 2010-2015 - NC Ranks 3rd

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45% of North Carolina's Tech Jobs are in the RTRP Region

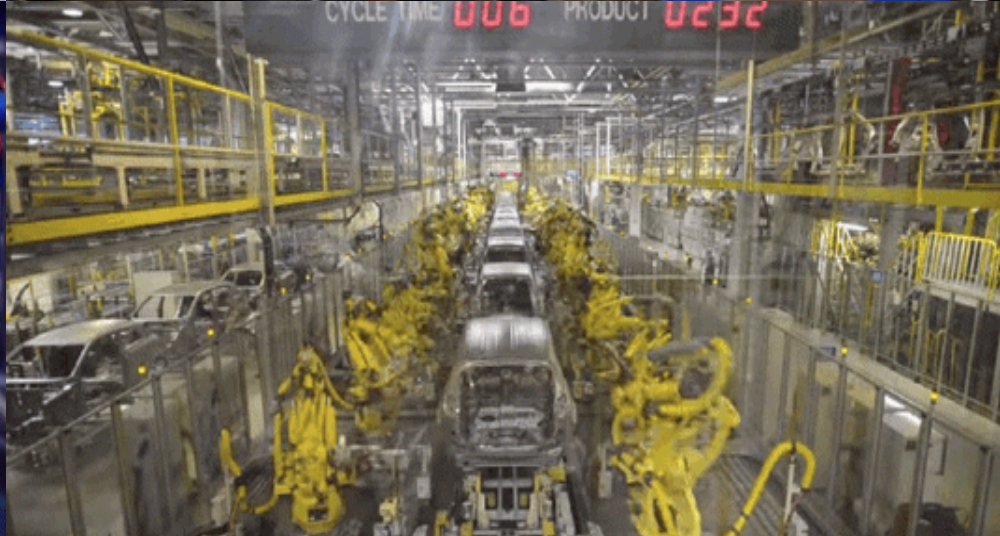
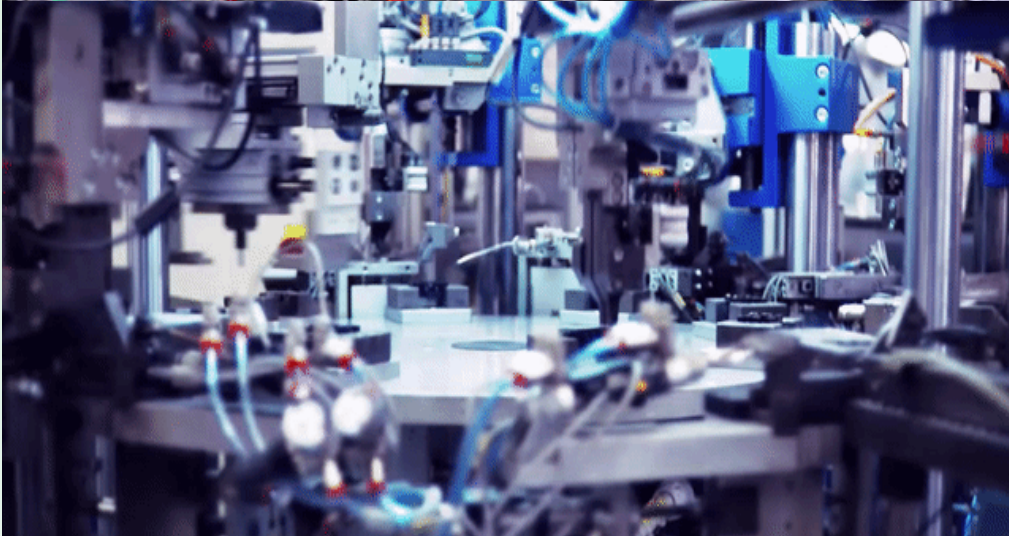
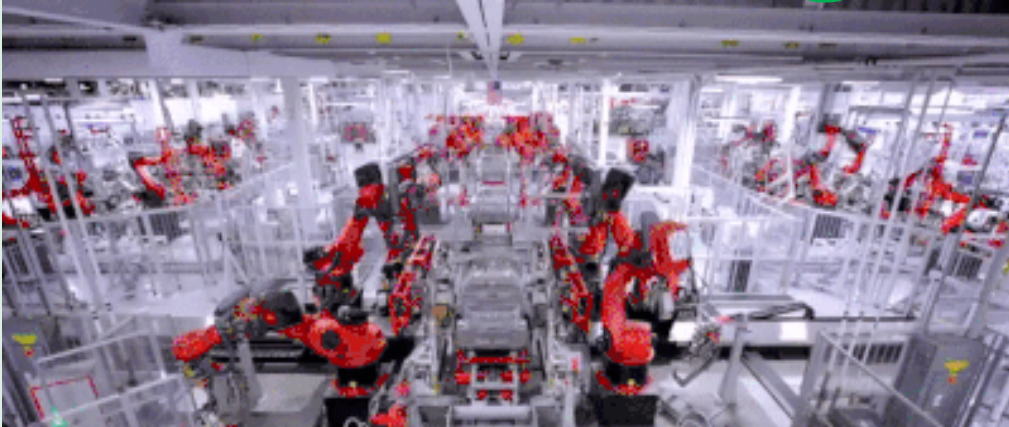
Source: : EL estimates based on EMSI 2016.3

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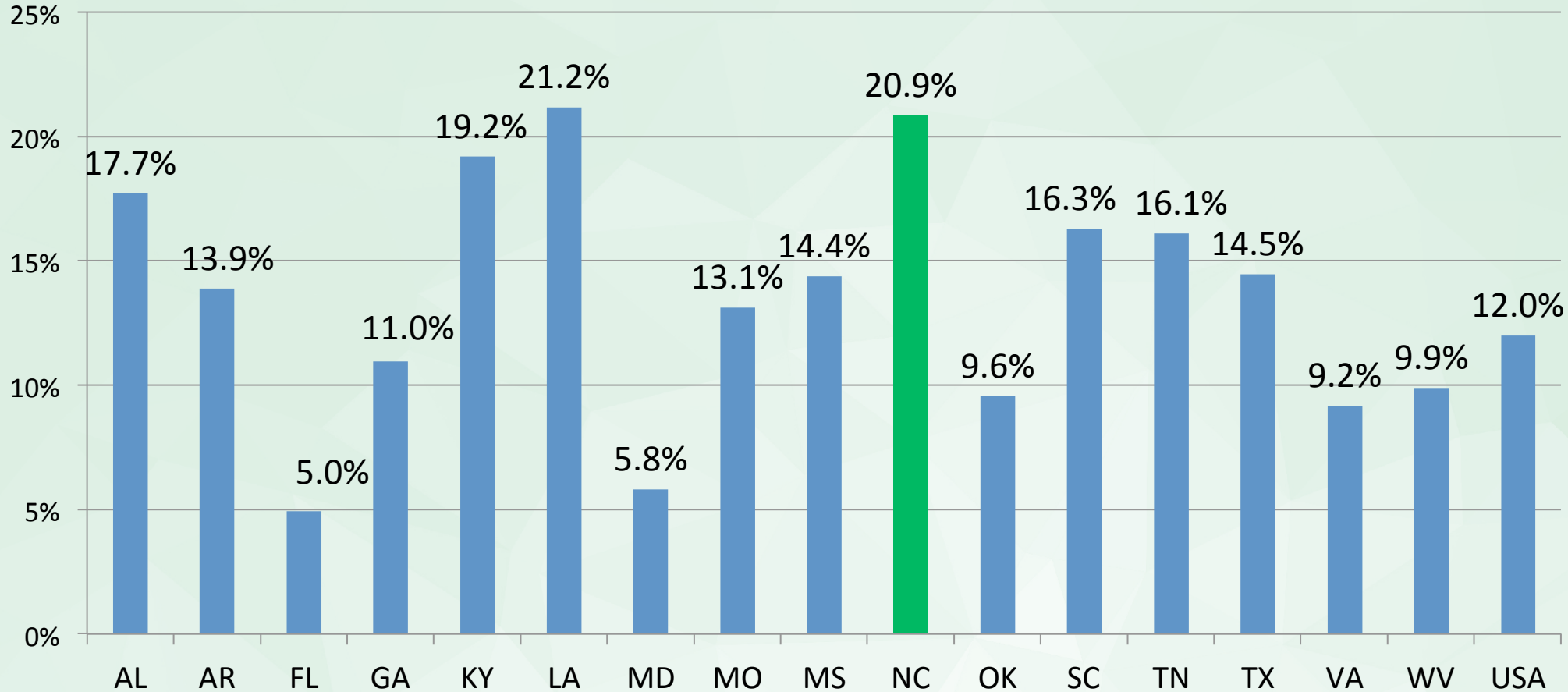
Manufacturing



Southern States Manufacturing Share of GSP

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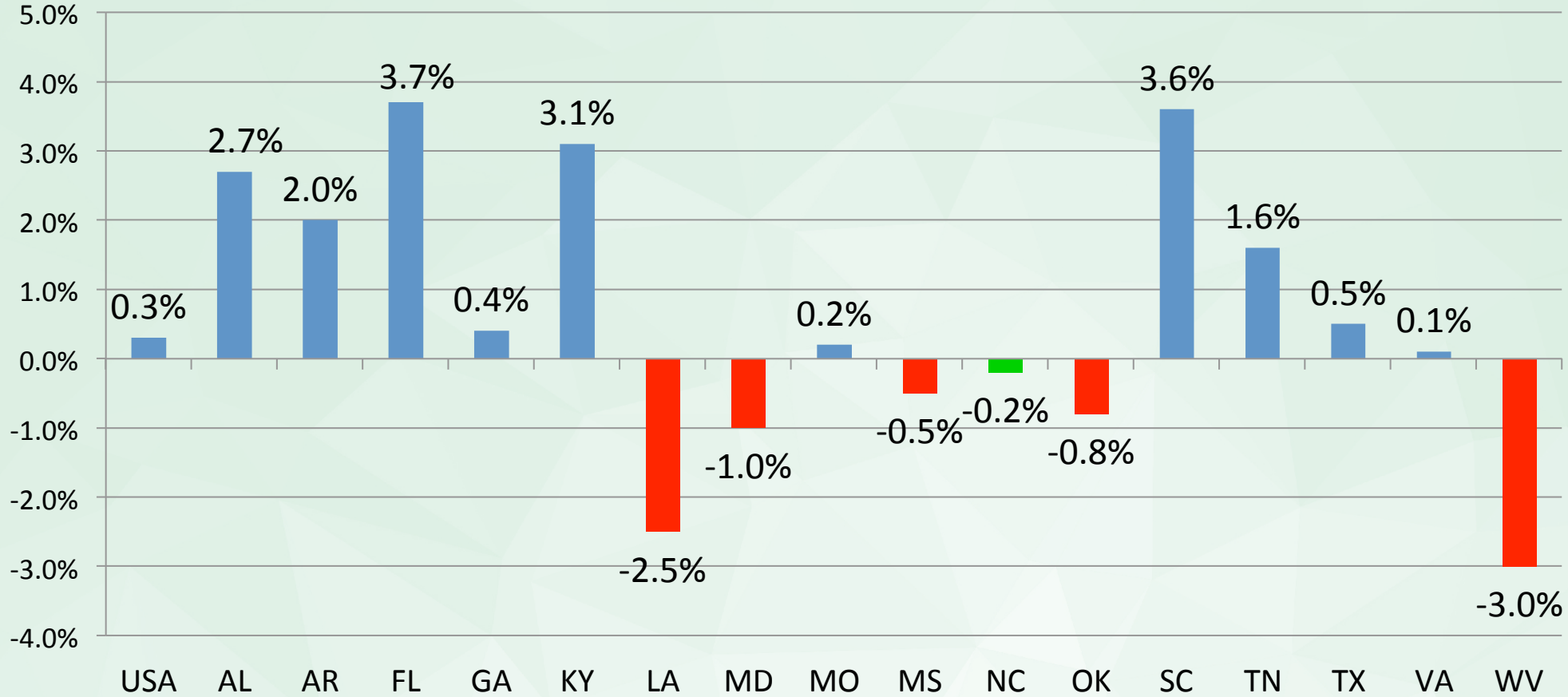


Source: NAM 2015 State Manufacturing Data Table



Southern States One Year

% Nonfarm Manufacturing Employ. Change Mar 2016 – Mar 2017



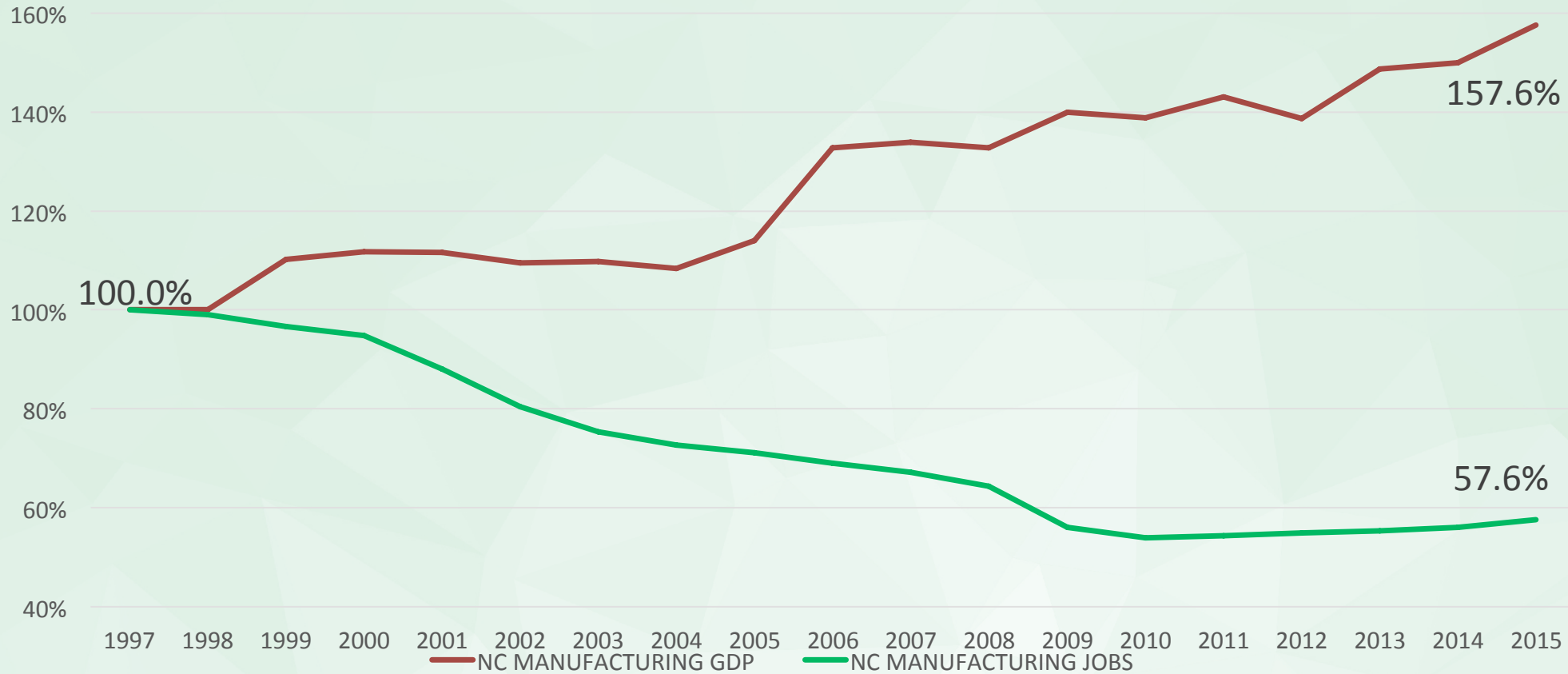
Source: US Bureau of Labor Statistics

NC Manufacturing Jobs and GDP

1997 – 2015 normalized as percent of levels in 1997

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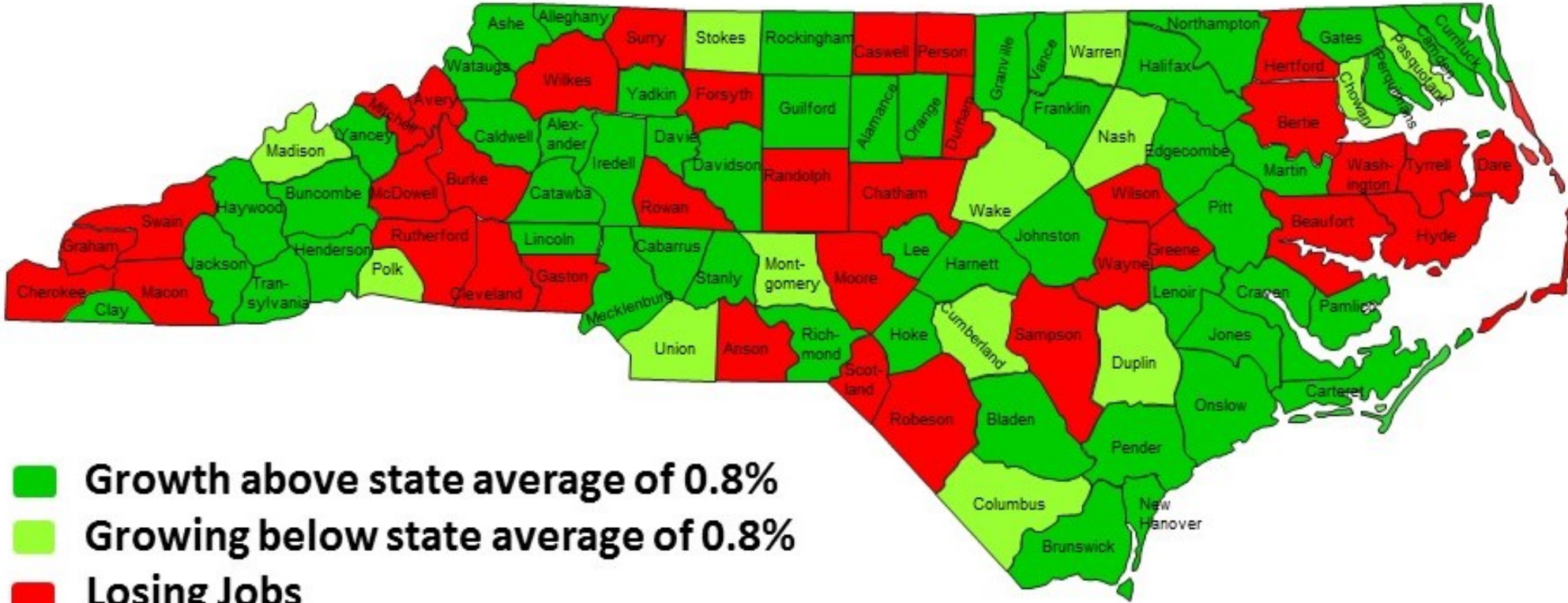


Source: US Bureau of Labor Statistics & US Bureau of Economic Analysis

Change in Manufacturing Jobs One Year 2015 - 2016

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NORTH CAROLINA State Average 0.8%

Source: EMSI – NC Commerce



RTRP Manufacturing Job Growth

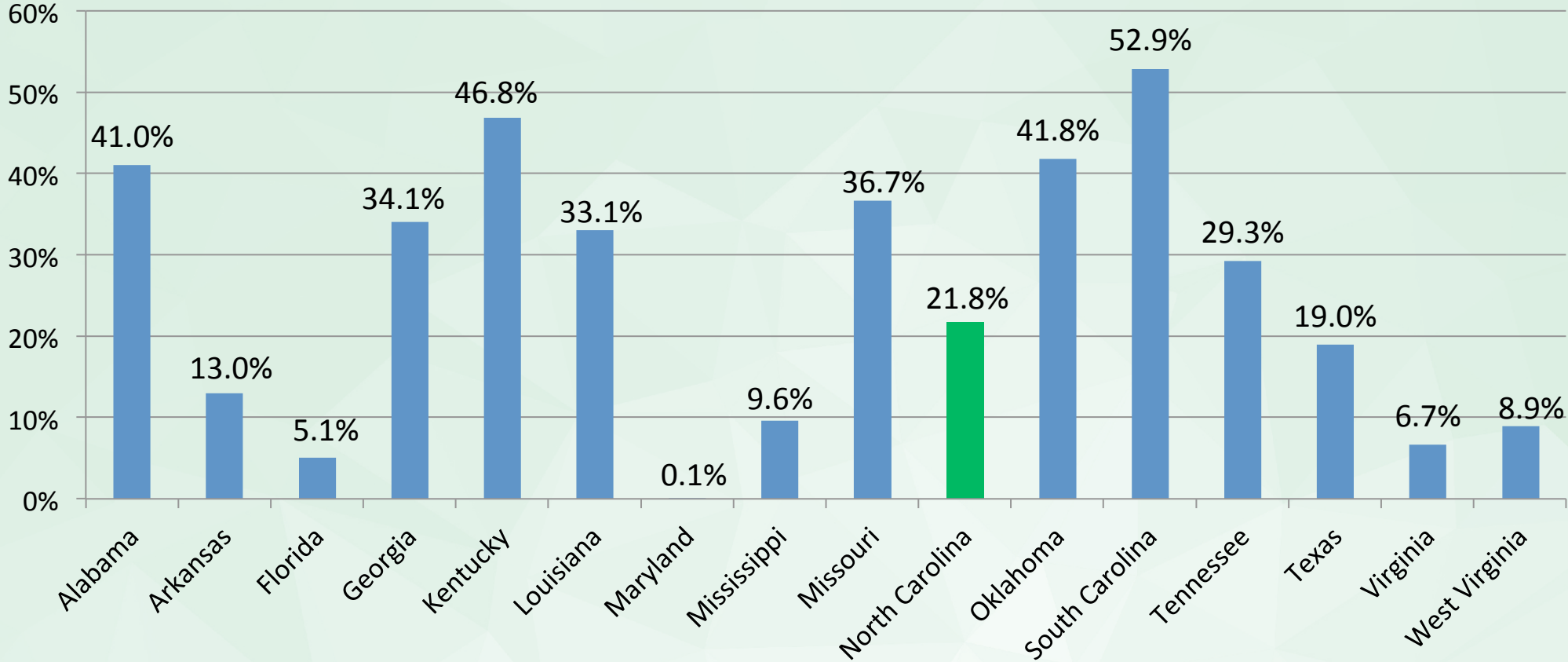
2011 - 2016

- Transportation Equipment +8,295
- Fabricated Metals +4,572
- Plastics and Rubber +4,510
- Machinery +4,169
- Furniture +3,569
- Food +2,690
- Wood Products +2,249

Change in Manufactured Exports 2010 - 2015

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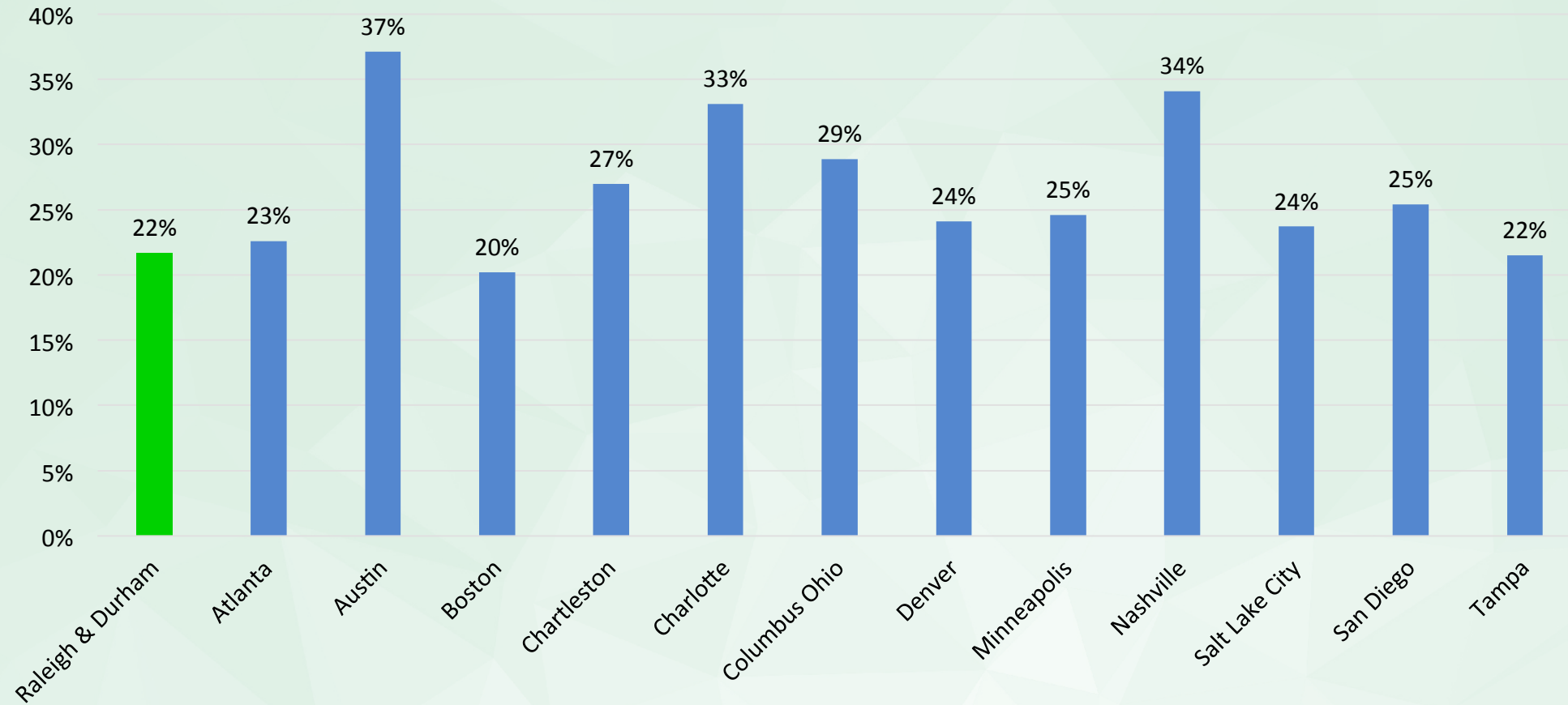
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Source: U.S. Census – Foreign Trade



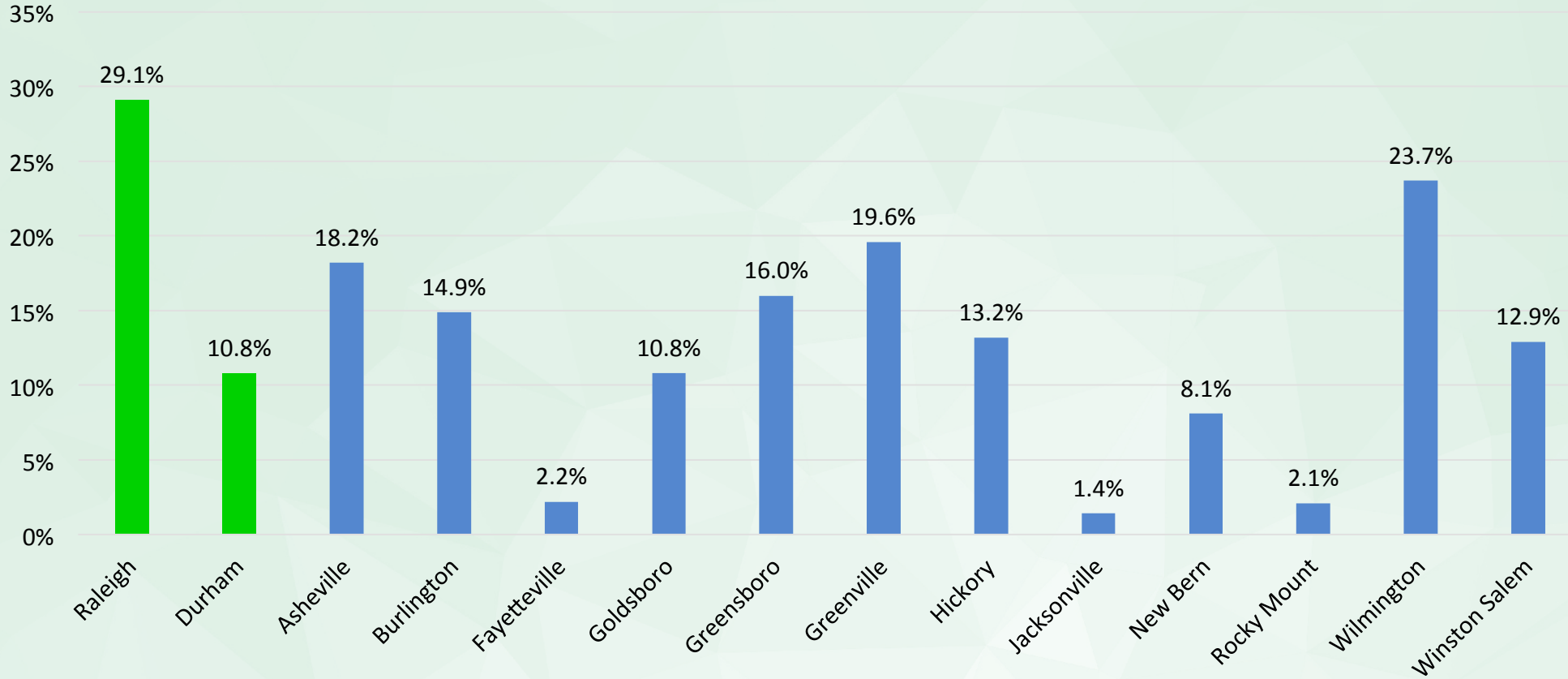
% Growth in GDP 2010 - 2015



Source: U.S. Bureau of Economic Analysis



North Carolina Metros Growth in GDP 2010 - 2015



Source: U.S. Bureau of Economic Analysis

% Growth in Personal Income 2014 - 2015

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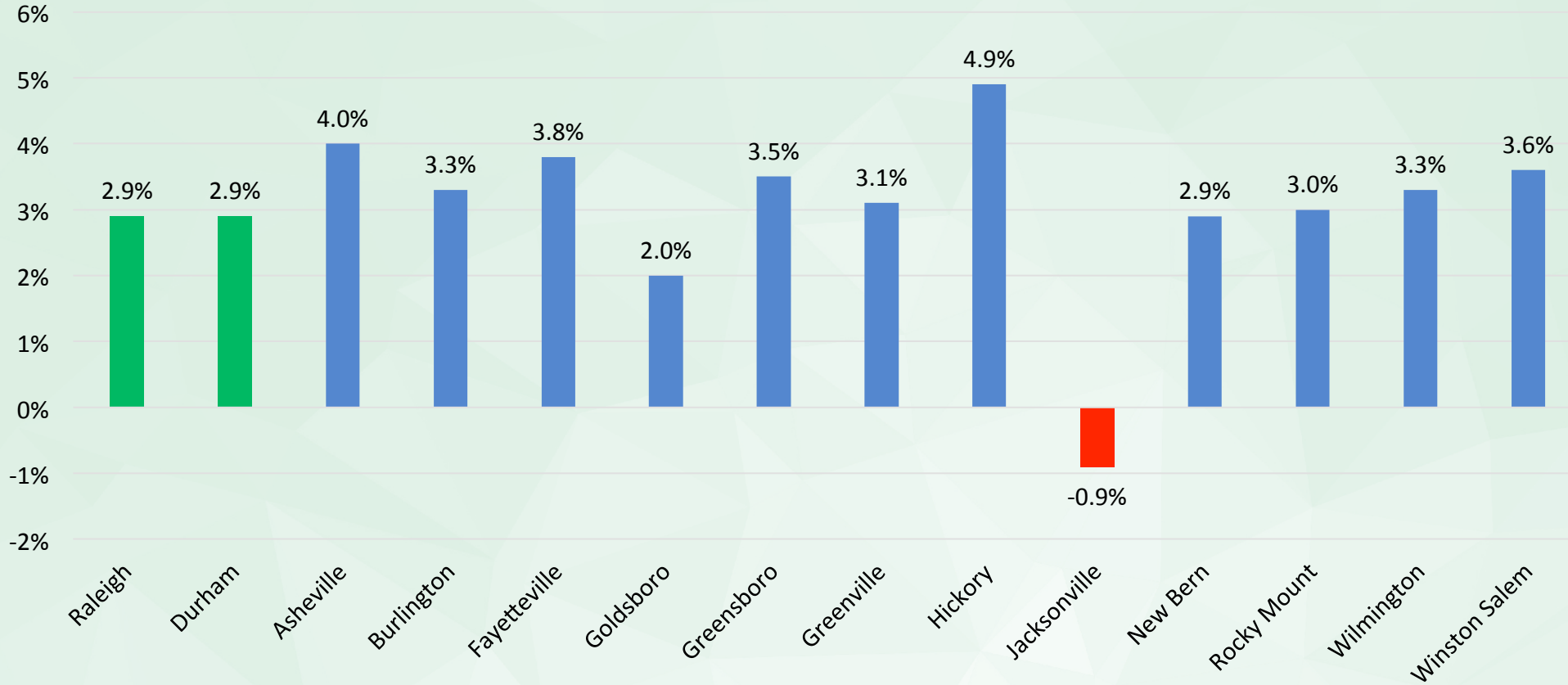
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Source: U.S. Bureau of Economic Analysis



North Carolina Metros Growth in Personal Income 2014-2015

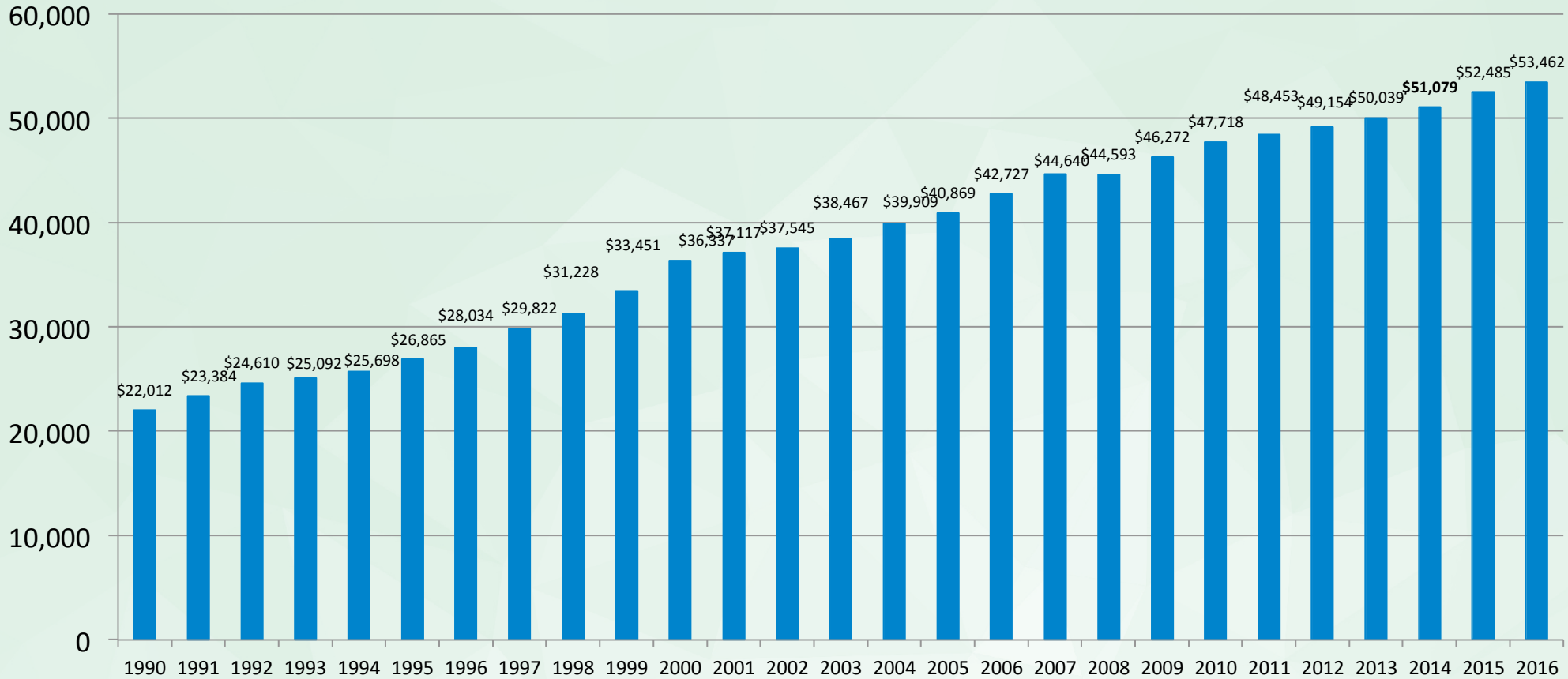


Source: U.S. Bureau of Economic Analysis

RTRP Average Annual Wages 1990 - 2016

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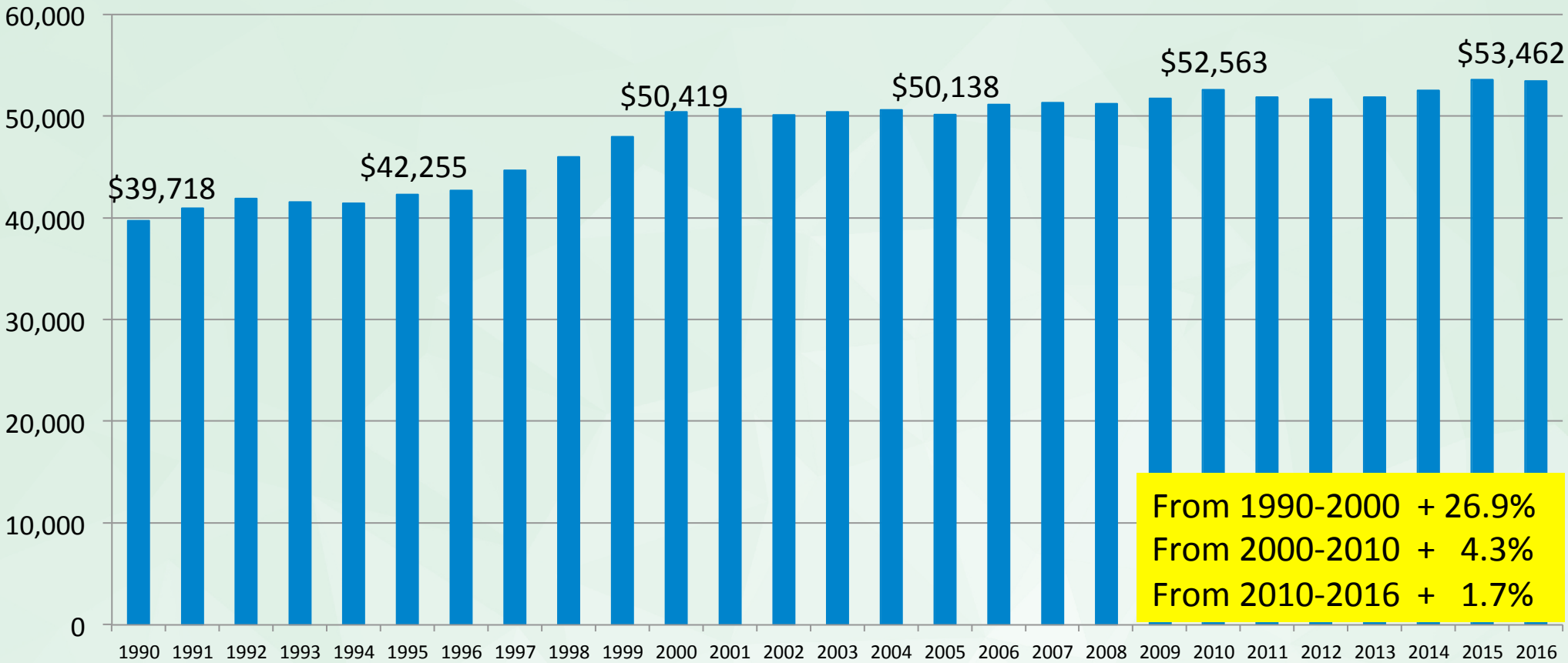


Source: US Bureau of Labor Statistics

RTRP Average Annual Wage Growth Adjusted for Inflation 1990 - 2016

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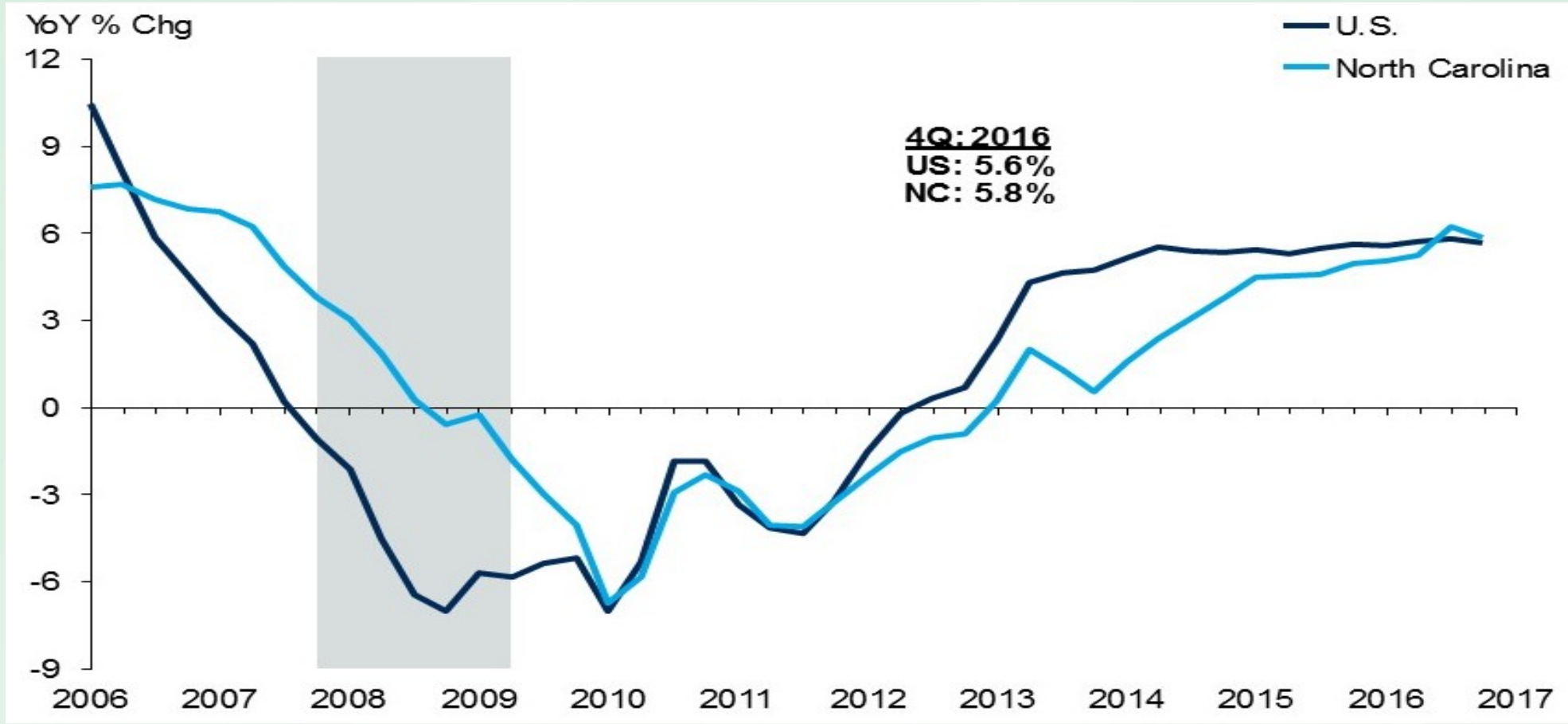
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Source: US Bureau of Labor Statistics



NC Housing Price Index



Source: Federal Housing Finance Agency/HaverAnalytics



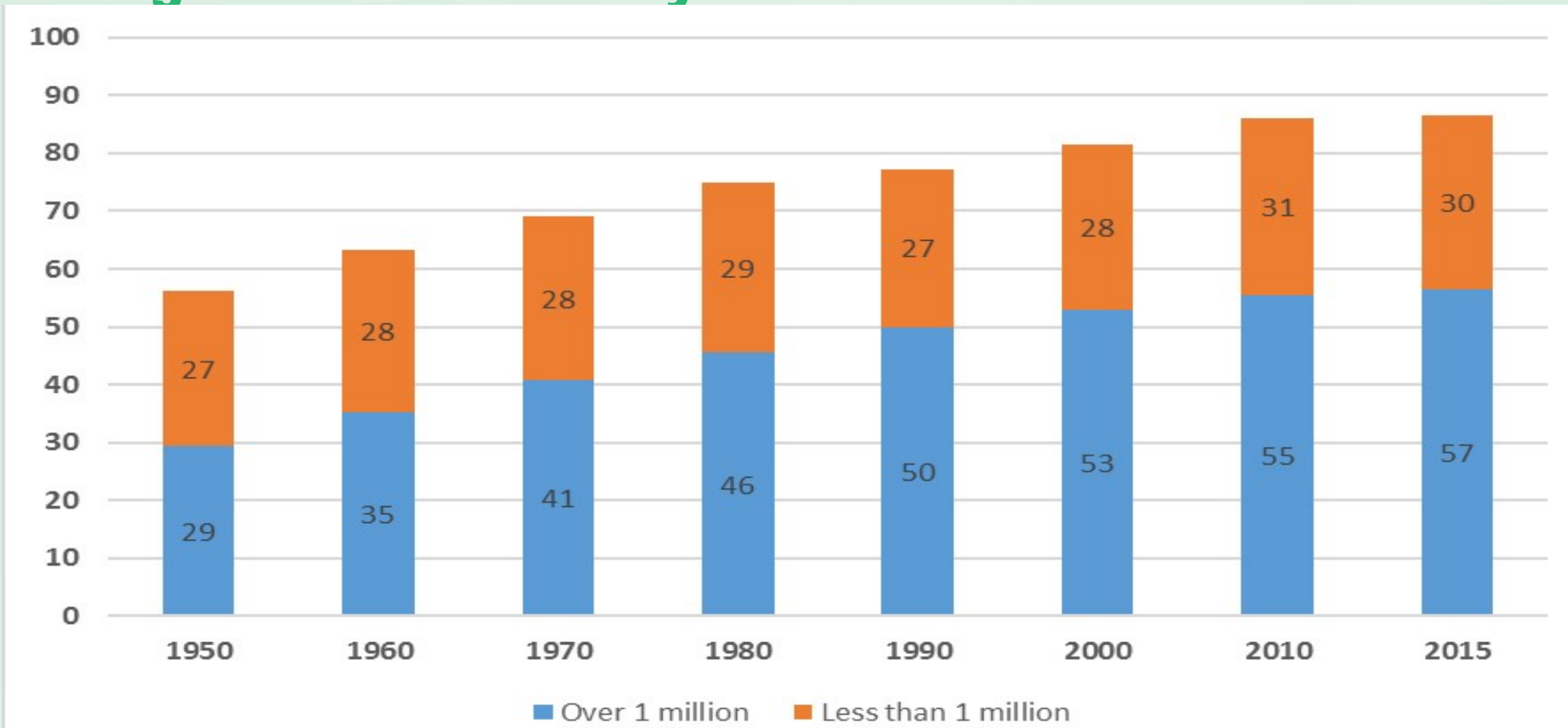
Urbanization



Percent of U.S. Population Living in Metro Areas By Size

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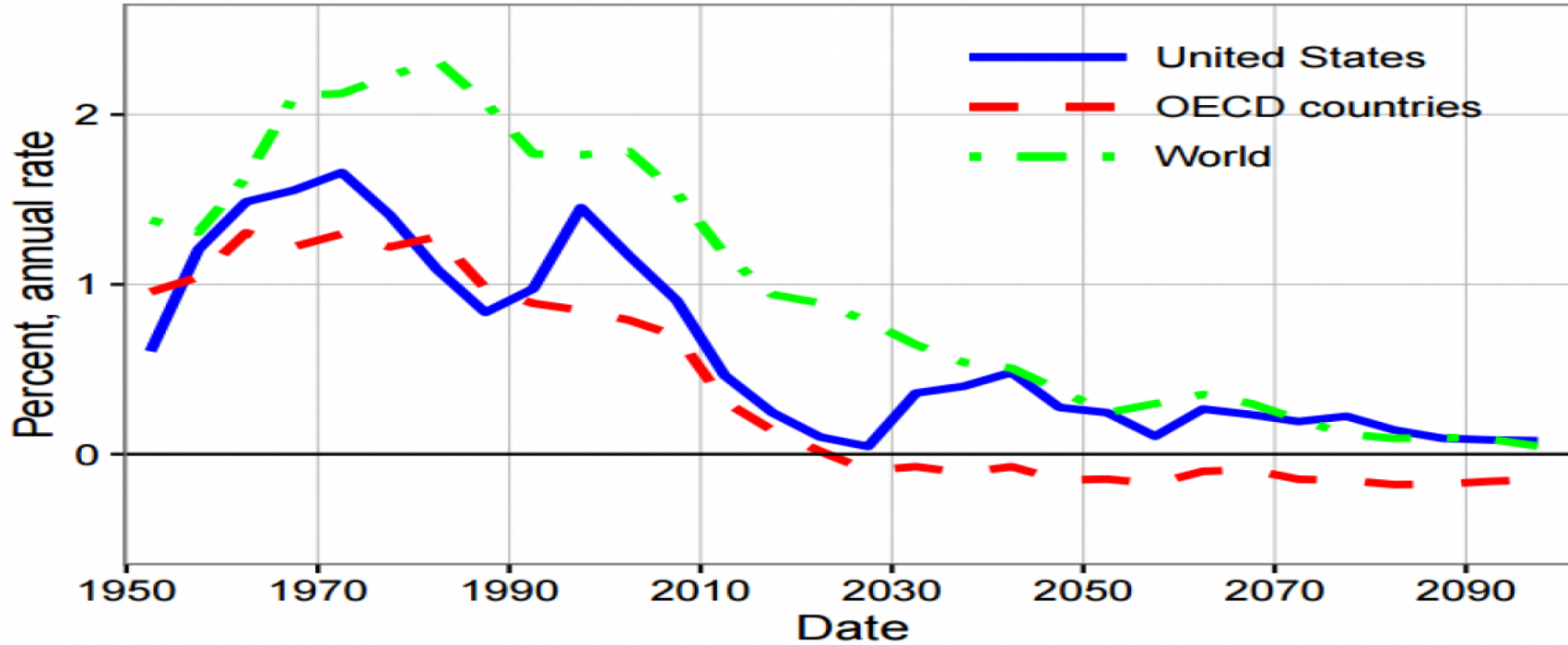


Source : <http://statchatva.org/2016/06/06/the-metropolitanization-of-rural-america/>



The Slowing of Global Population Growth

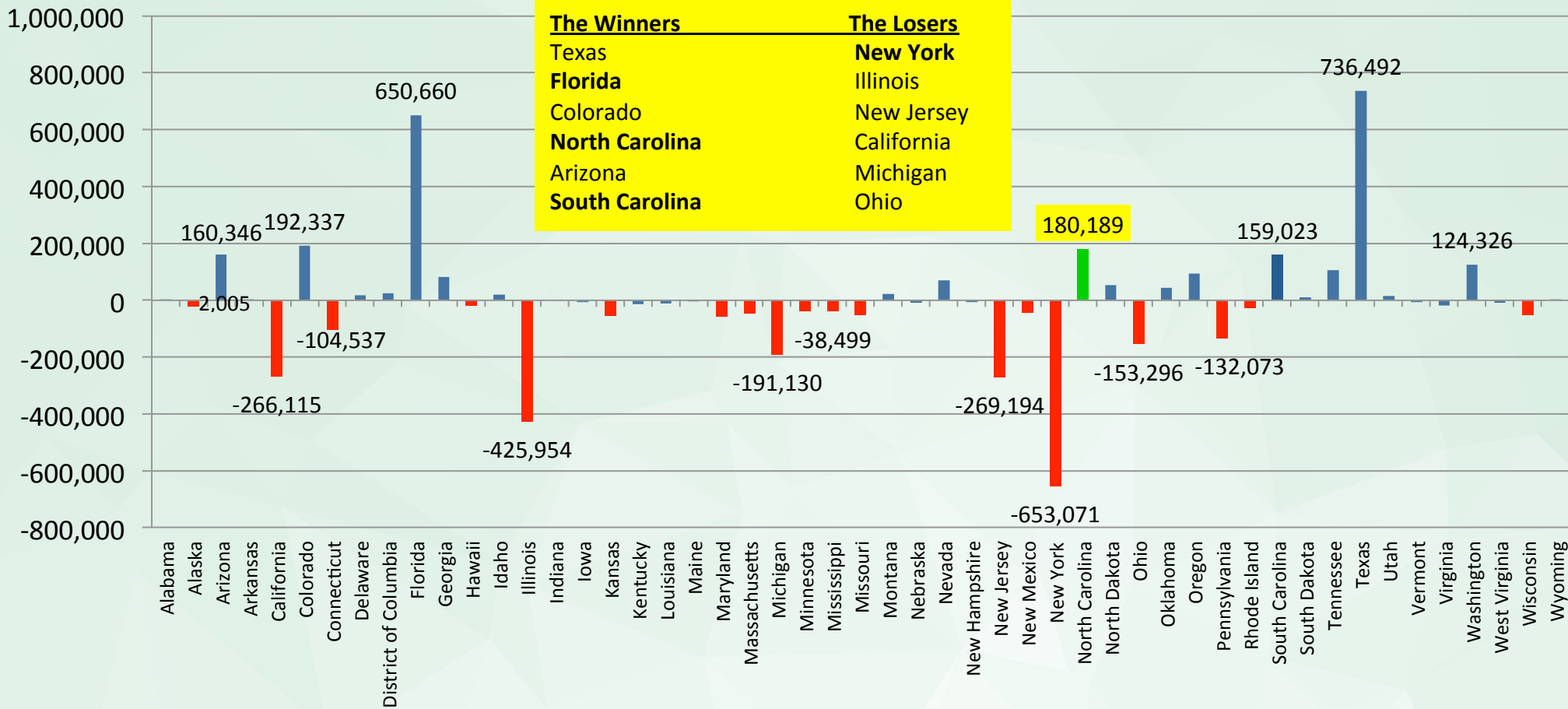
Figure 15: U.S. versus global demographic changes
Working-age population growth



Source : The United Nations Data



Domestic Migration of all States

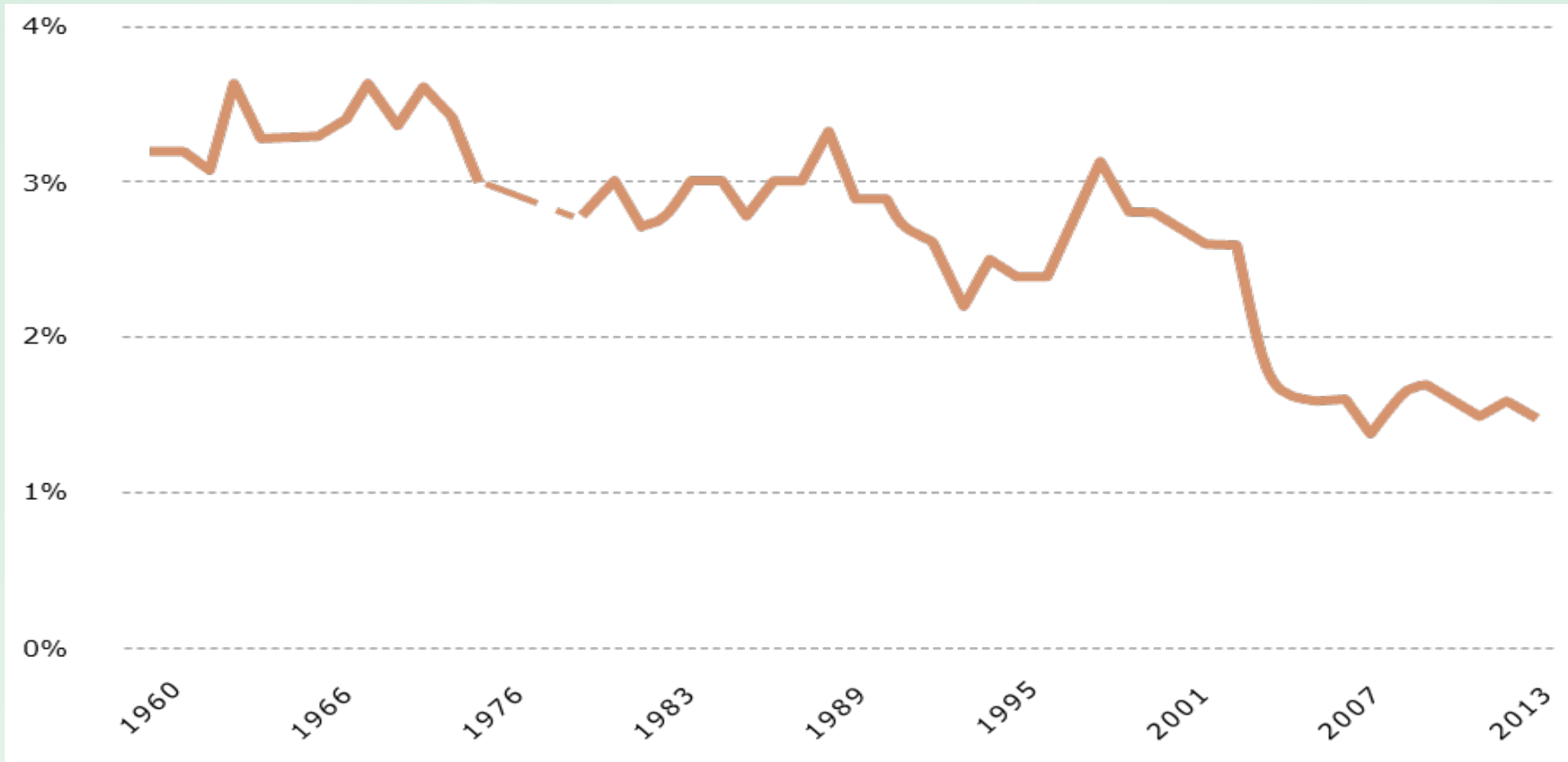


Source: U.S. Census

% of Population Moving Across State Lines Annually

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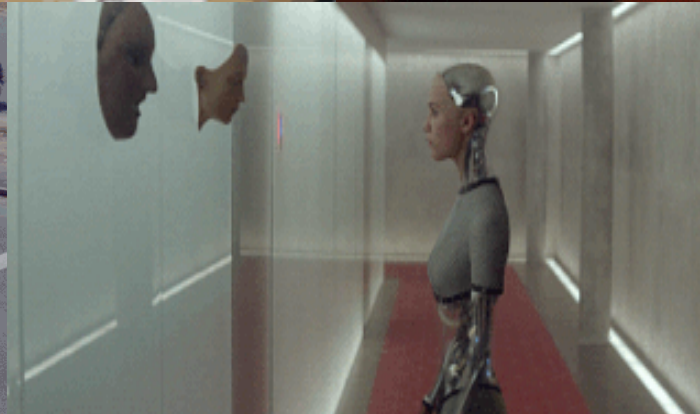
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TOGETHER

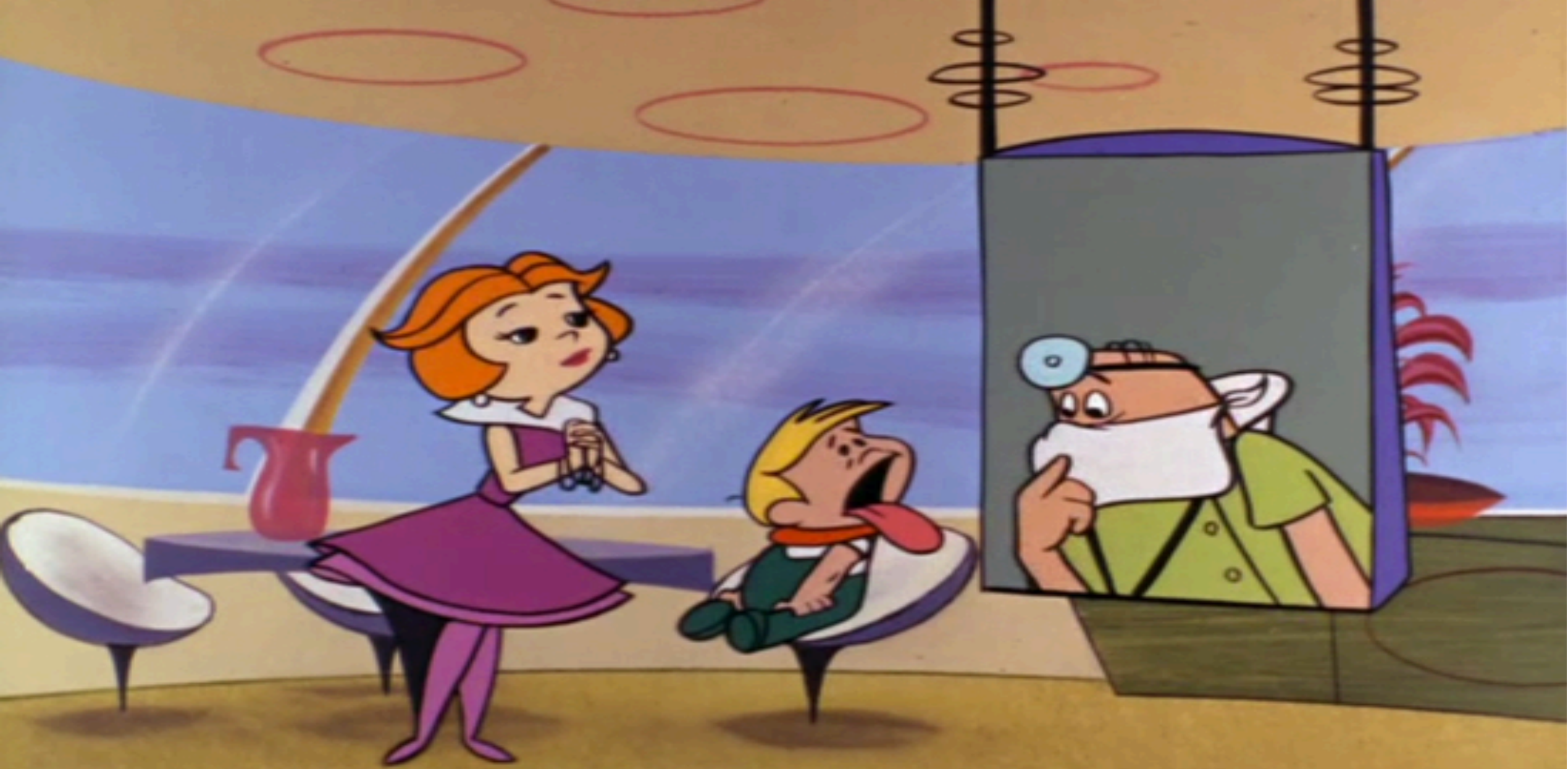


Technology

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TOP FACTORS FOR COMPANIES CONSIDERING NEW INVESTMENT

- (1) Availability of skilled labor
- (2) Highway accessibility
- (3) Labor costs
- (3) Proximity to major markets
- (3) State & local incentives
- (3) Available land
- (3) Tax exemptions
- (8) Energy availability and costs
- (9) Proximity to suppliers
- (10) Training programs/Technical schools
- (11) Availability buildings
- (12) Accessibility to a major airport

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Site Selection Consultants

Combined score for factors judged as very important or important





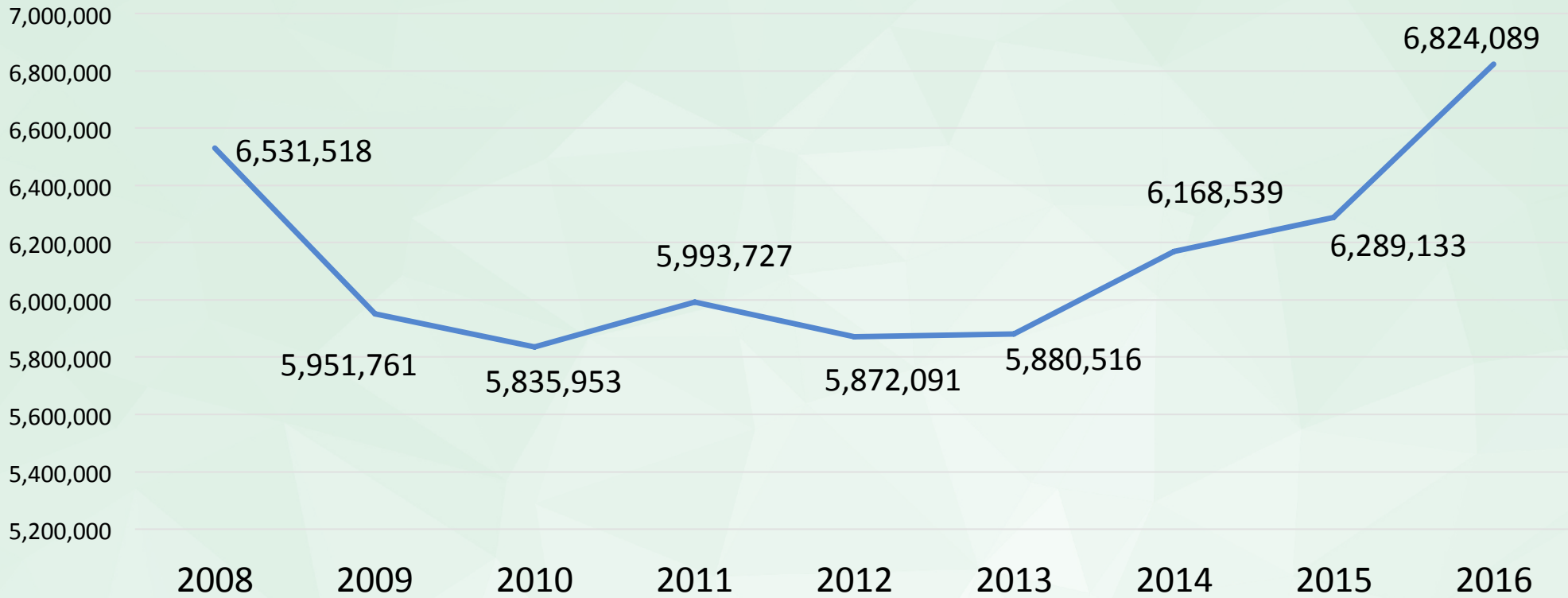
Infrastructure Competitiveness



- ✓ Roads
- ✓ Rail
- ✓ Ports
- ✓ Energy
- ✓ Water
- ✓ Sewer
- ✓ Broadband
- ✓ Buildings & Sites
- ✓ Air Service



RDU Scheduled Seats 2008 - 2016

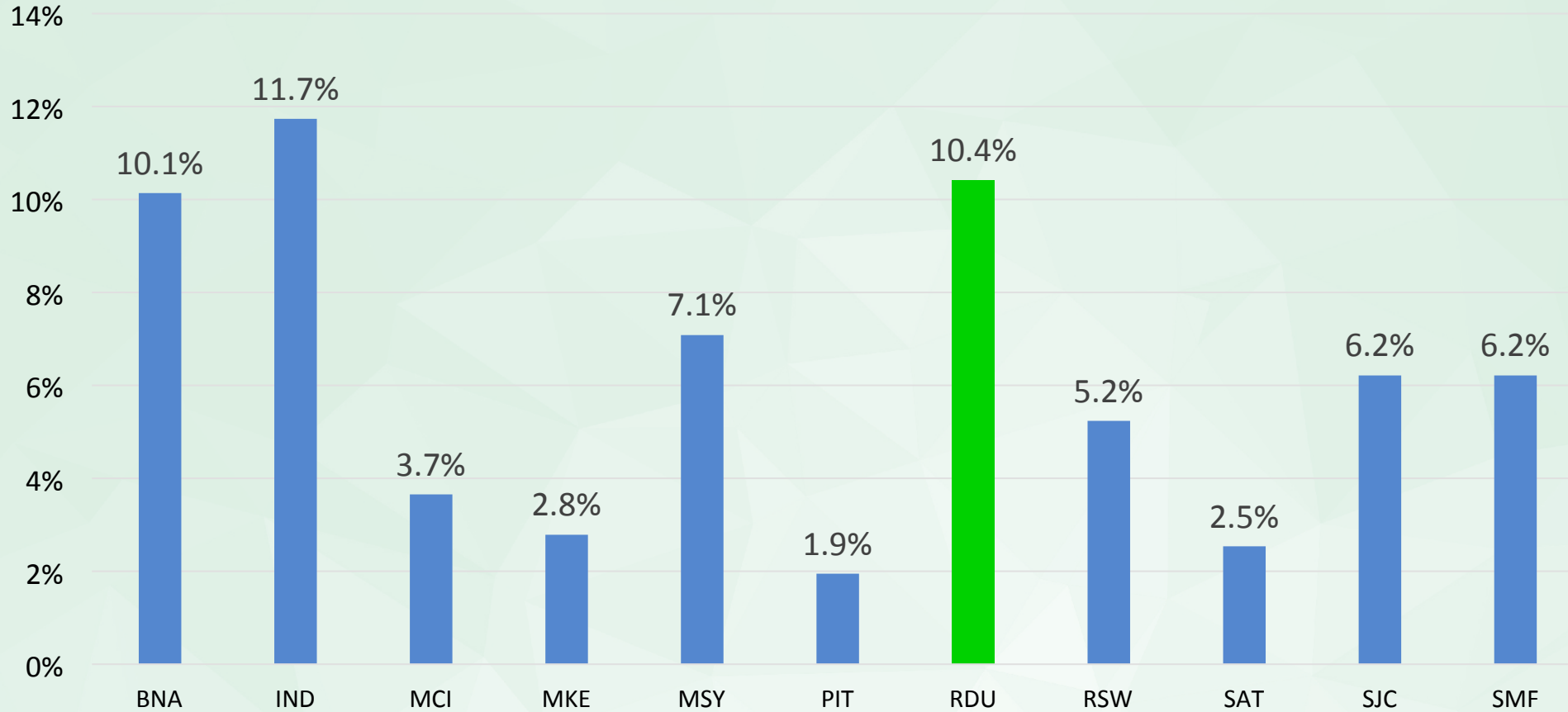


Source: RDU, April 2017

Enplanement Growth 2015 - 2016

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Source: Federal Aviation Administration (FAA)



Summary and Predictions

- ❑ The region continues strong job and population growth
- ❑ The drivers of the economic growth continue to evolve
- ❑ GDP growth is good
- ❑ Average wage growth has been slow
- ❑ Global trends will continue to impact the region
- ❑ Worker skills and infrastructure are growing in importance