Labor Market Trends in the Southeast Region

By Robert Clifford

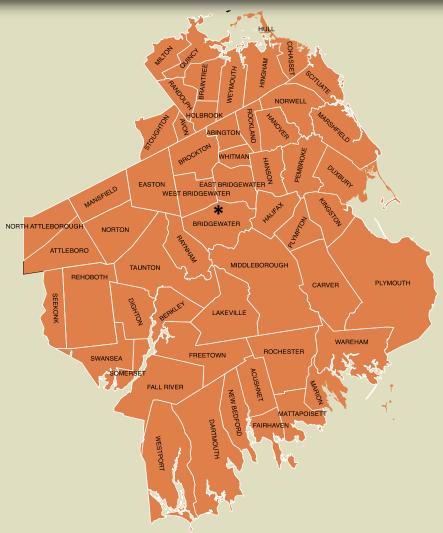
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A joint project of Commonwealth Corporation and New England Public Policy Center of the Federal Reserve Bank of Boston

Motivation

- Promote better public policy by conducting objective research and analysis of regional economic/policy issues.
- Understand the long-term labor force challenges facing the regional labor markets in Massachusetts.
- Provide detailed data on labor supply and demand trends to support workforce development policy discussions at a local level.
- Build off the labor market work of Harrington and Fogg (2008) and the demographics research of Sasser Modestino (2009, 2010).

The Southeast Region



Summary

- The Southeast region was one of the hardest hit regional labor markets in the Great Recession, resulting in the highest unemployment rate of all regional labor markets.
- Despite gains in the educational attainment of its labor force in the past decade, the region still has one of the highest shares of individuals with a High School Degree or less.
- Addressing the barriers to full employment facing the regions unemployed, particularly among the young and less educated, is key to the recovery of the Southeast region.
- Public institutions in the region play a sizeable role in the supply of post-secondary educated labor.

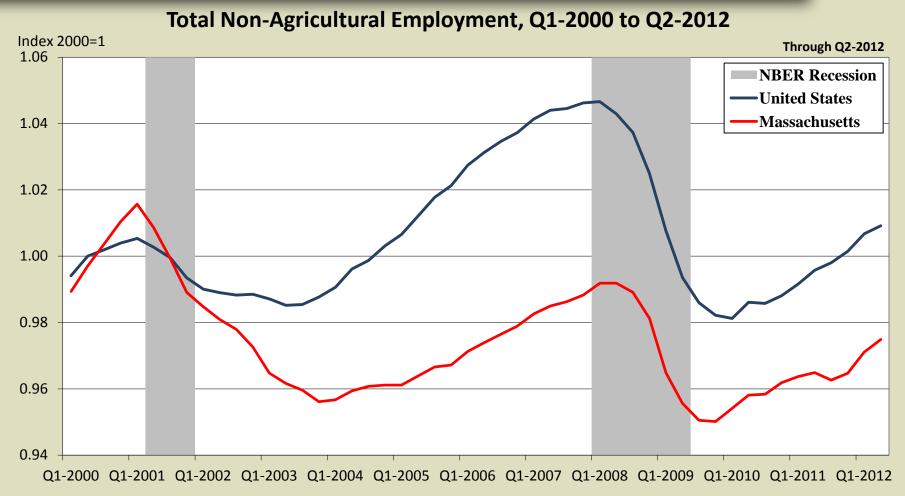
Outline

- Labor Market Performance
- Labor Supply
- Labor Demand
- The Pipeline: Educational Supply of Post-Secondary Degrees

Labor Market Performance

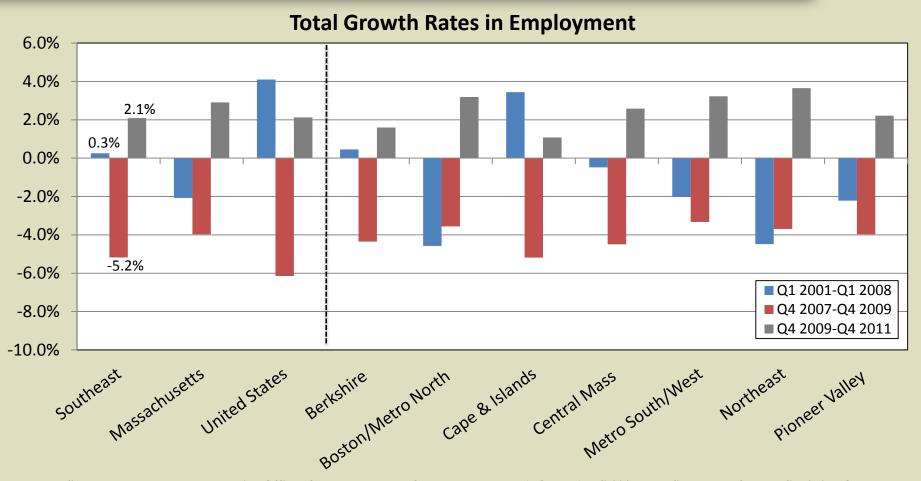
- National and State Employment Trends
- Performance of Regional Labor Markets
- Employment Trends by Industry in the Southeast Region and Massachusetts

Massachusetts is still far below its peak employment levels of the early 2000's.



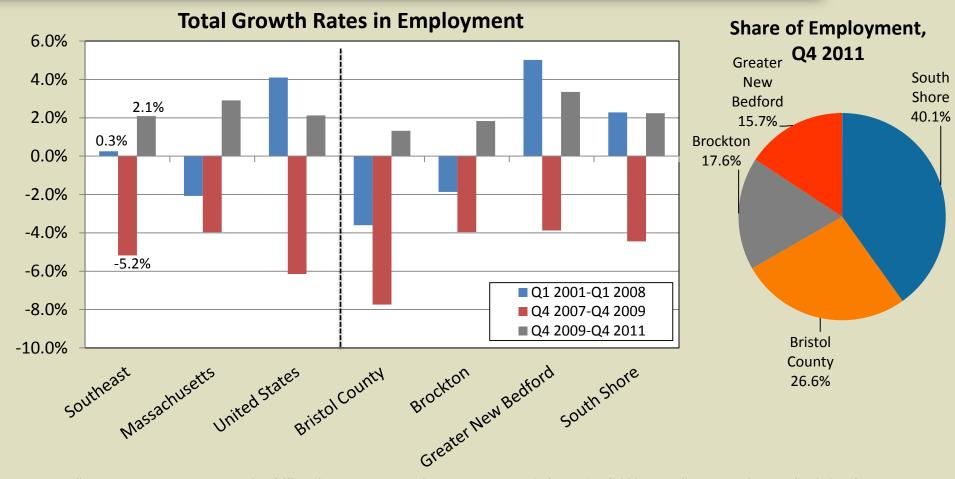
Sources: U.S. Bureau of Labor Statistics, Current Employment Statistics.

The Southeast region was one of the hardest hit regional labor markets in the Great Recession and is recovering modestly.



Sources: Massachusetts Executive Office of Labor and Workforce Development (EOLWD), ES-202 and U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW).

Greater New Bedford and the South Shore have fared better than Bristol County and Brockton.



Sources: Massachusetts Executive Office of Labor and Workforce Development (EOLWD), ES-202 and U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW).

The region has stronger concentrations in Construction, Manufacturing, and Trade, Transportation, & Utilities.

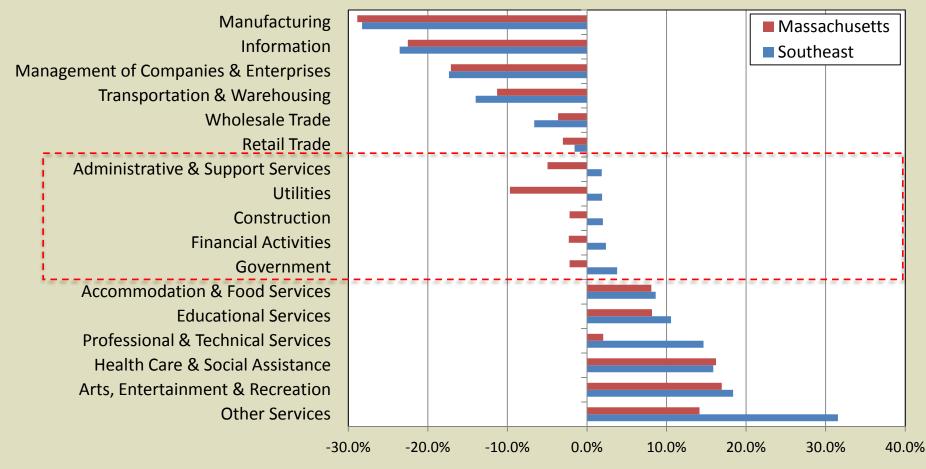
100% .8% 2.8% 2.2% Information 5.0% 4.5% 3.9% 4.1% 5.3% 90% 5.8% Construction 4.3% 3.6% 3.5% 6.5% 5.8% 5.9% 80% Other services 7.9% 8.3% 9.1% 70% Government 9.8% 10.3% 10.5% 60% Financial Activities 10.0% 15.2% 13.6% 50% Manufacturing 40% 23.3% Leisure & Hospitality 18.3% 20.7% 30% Professional & Business Services 20% Trade, Transportation & 27.2% 26.5% Utilities 24.3% 10% Education & Health Services 0% Southeast Massachusetts **United States**

Employment Distribution by Supersector, Q4 2011

Sources: Massachusetts EOLWD, ES-202 and U.S. Bureau of Labor Statistics, QCEW.

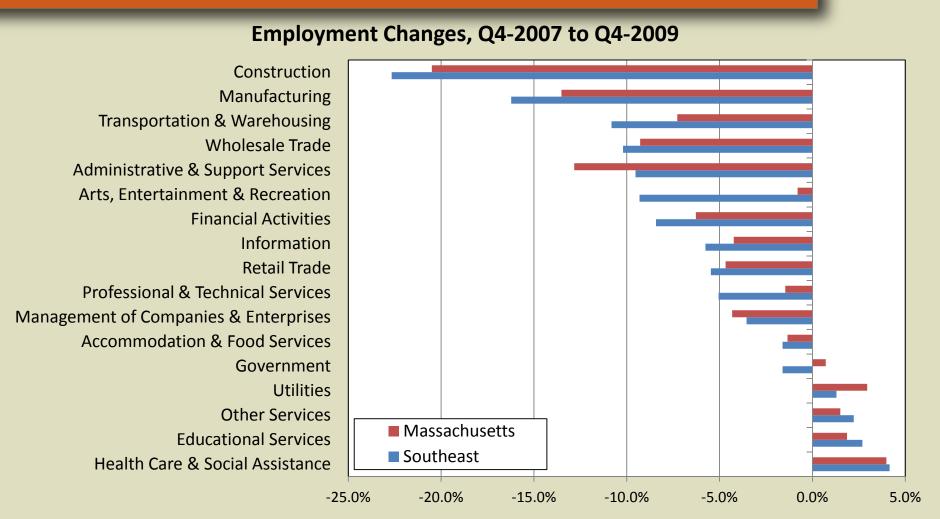
Between recessions, the Southeast region gained jobs in a number of industries which contracted statewide.

Employment Changes, Q1-2001 to Q1-2008



Sources: Massachusetts EOLWD, ES-202.

The Great Recession hit a number of industries in the region harder than it did statewide.



Sources: Massachusetts EOLWD, ES-202.

In the recovery, the region has continued to lose jobs in some industries and trails statewide employment gains in others.

Wholesale Trade Massachusetts **Financial Activities** Southeast Information Management of Companies & Enterprises Government Professional & Technical Services **Educational Services Transportation & Warehousing** Manufacturing Health Care & Social Assistance Accommodation & Food Services **Retail Trade** Arts, Entertainment, & Recreation Administrative & Support Services Other Services Construction Utilities -6.0% -4.0% -2.0% 0.0% 2.0% 4.0% 6.0% 8.0% 10.0%

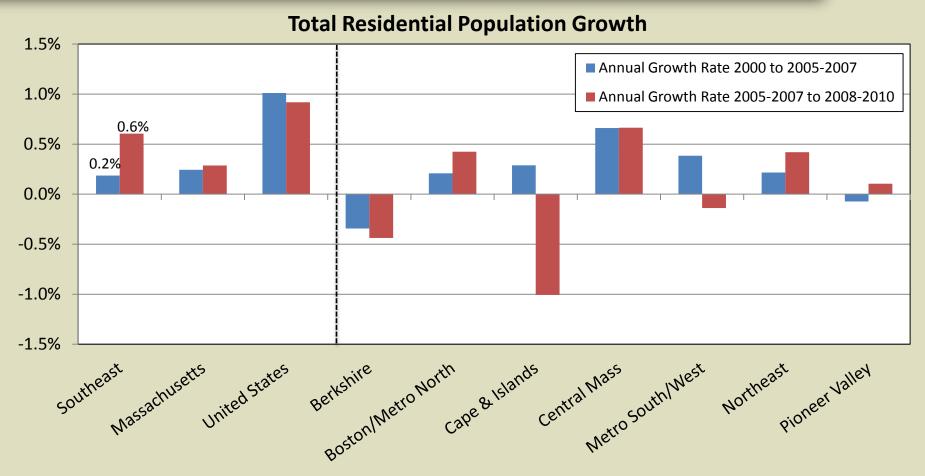
Employment Changes, Q4-2009 to Q4-2011

Sources: Massachusetts EOLWD, ES-202.

Labor Supply

- Residential Population Changes and Characteristics
- Age and Education of the Civilian Labor Force
- Trends and Characteristics of the Unemployed
- Commuting Patterns

The Southeast region experienced one of the fastest growing residential populations of all regions in the past decade.



Source: U.S. Census Bureau 2000 Decennial Census Public Use Microdata Samples (PUMS) data files, 2005-2007 and 2008-2010 American Community Survey (ACS) Public Use Micro Sample (PUMS) data files.

Growth in immigrant and minority populations accounted for nearly all of the growth in the residential population.

Demographic Characteristics of the Southeast

	2000	2008-2010	Absolute Change	Annual Growth Rate
Resident Population	1,281,613	1,319,715	38,102	0.3%
<u>Gender</u>				
Male	618,463	635,944	17,481	0.3%
Female	663,150	683,771	20,621	0.3%
<u>Nativity</u>				
Native Born	1,135,918	1,142,325	6,407	0.1%
Immigrant	145,695	177,390	31,695	2.2%
Race/Ethnicity				
White, non-Hispanic	1,124,396	1,096,965	-27,431	-0.3%
Black, non-Hispanic	43,735	82,958	39,223	7.4%
Asian, non-Hispanic	31,600	49,362	17,762	5.1%
Hispanic	35,313	55,012	19 <i>,</i> 699	5.0%
Other race, non-Hispanic	46,569	35,418	-11,151	-3.0%

The civilian labor force in the Southeast region is slightly older than that of Massachusetts and the United States.

100% 3.6% 3.3% 3.6% 4.0% 4.6% 4.7% 10.2% 10.8% 90% 11.2% 14.7% 16.3% 15.8% 80% 21.8% 22.4% 23.1% 70% 23.3% Age 65+ 23.9% 24.8% Age 55-64 60% Age 45-54 26.8% 50% 27.0% 27.2% 22.3% Age 35-44 22.0% 22.7% 40% Age 25-34 Age 16-24 30% 22.7% 21.5% 23.3% 21.9% 20.2% 17.9% 20% 10% 15.2% 14.2% 13.6% 13.1% 12.9% 13.2% 0% 2000 2008-2010 2008-2010 2008-2010 2000 2000 Southeast Massachusetts **United States**

Age Distribution of the Civilian Labor Force

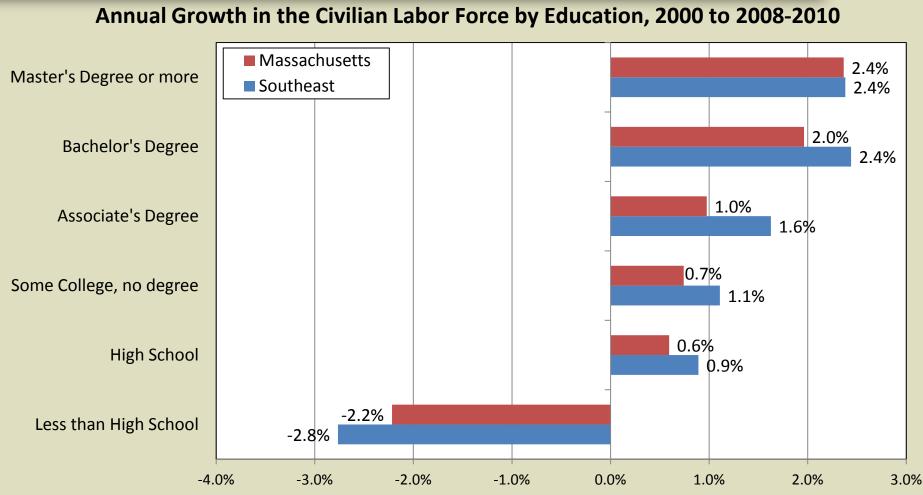
The region's labor force has one of the highest concentrations of individuals with a High School Degree or less in the state.

100% 9.2% 9.4% 10.5% 10.4% 14.8% 16.8% 90% 17.2% 80% 19.4% 19.1% 21.9% 22.3% 24.4% 70% 7.2% 9.1% 8.3% 9.6% 60% 7.9% 7.9% 23.9% 20.5% 50% 24.0% 20.7% 19.1% 18.7% 40% 30% 26.9% 27.9% 26.3% 27.5% 24.3% 20% 23.5% 10% 15.5% 13.8% 11.8% 11.5% 9.8% 8.7% 0% 2000 2008-2010 2000 2008-2010 2000 2008-2010 Southeast Massachusetts **United States**

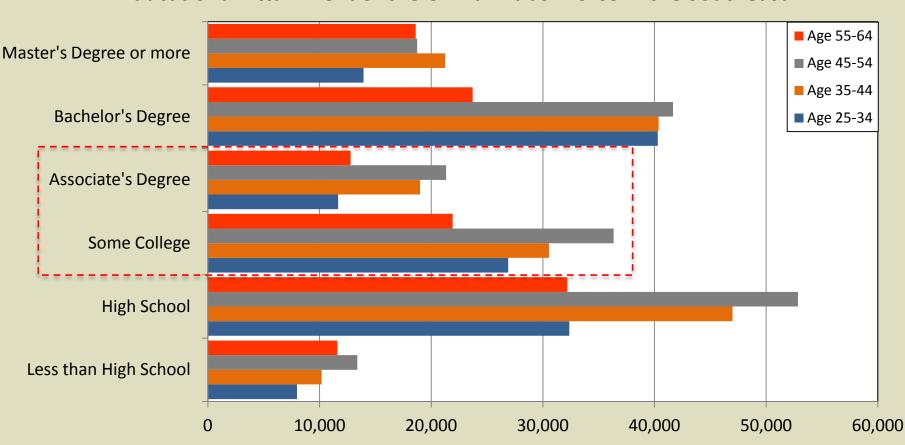
Educational Attainment of the Civilian Labor Force



In the past decade the Southeast region has seen progressively stronger growth the higher the level of educational attainment.



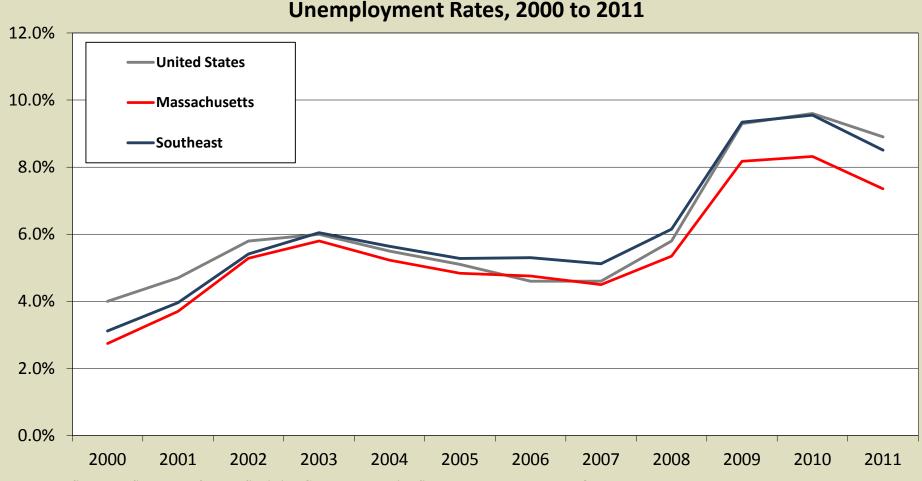
The trends in educational attainment and aging leave the region with potential shortfalls of workers in nearly every category.



Educational Attainment of the Civilian Labor Force in the Southeast

Source: U.S. Census Bureau 2008-2010 ACS PUMS data files.

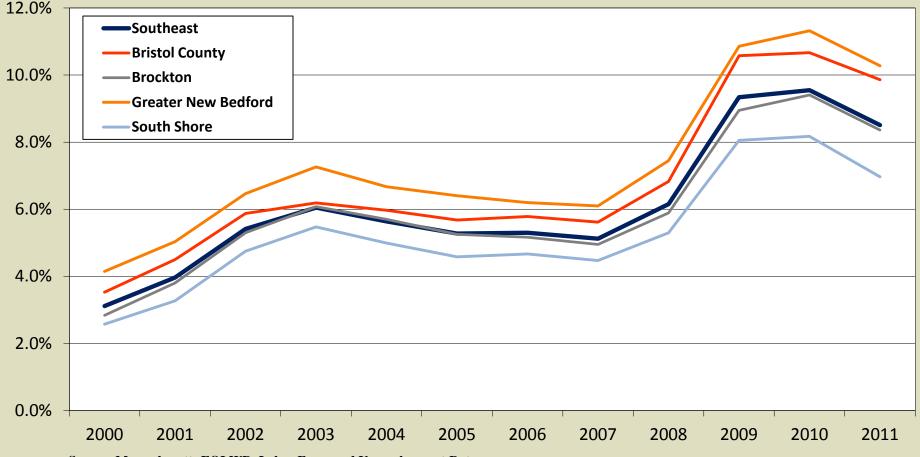
In the Great Recession the unemployment rate reached 9.6 percent in the Southeast region, highest among all regions.



Source: U.S. Bureau of Labor Statistics, Current Population Survey and Massachusetts EOLWD, Labor Force and Unemployment Rates.

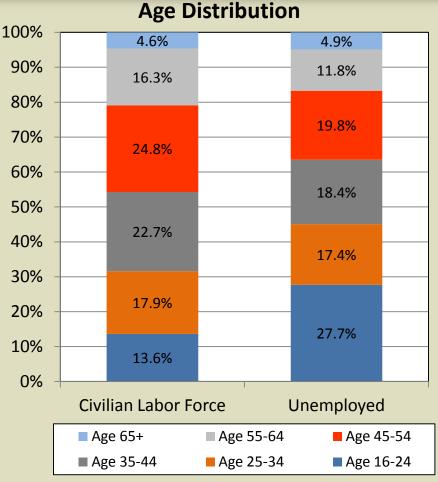
The highest unemployment rates were reached in Greater New Bedford (11.3 percent) and Bristol County (10.7 percent).

Unemployment Rates, 2000 to 2011

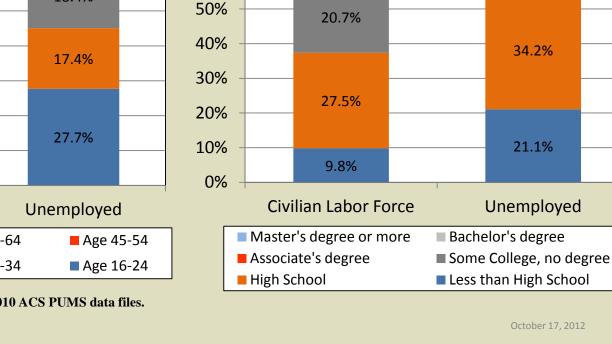


Source: Massachusetts EOLWD, Labor Force and Unemployment Rates.

The unemployed in the Southeast region are disproportionately younger and have lower levels of educational attainment.



Source: U.S. Census Bureau 2008-2010 ACS PUMS data files.



100%

90%

80%

70%

60%

Education Distribution

10.4%

21.9%

9.6%

3.7%

13.9%

6.5%

20.7%

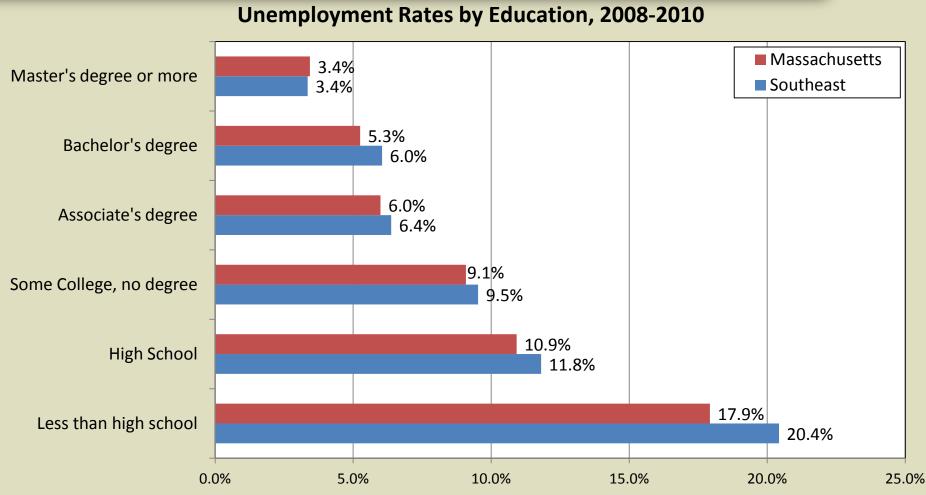
34.2%

21.1%

Unemployed

Labor Market Trends in the Southeast Region

In both the region and statewide individuals with lower levels of educational attainment face significant barriers to employment.



Source: U.S. Census Bureau 2008-2010 ACS PUMS data files.

The Southeast region is closely tied to neighboring labor markets, with large shares of residents working elsewhere.

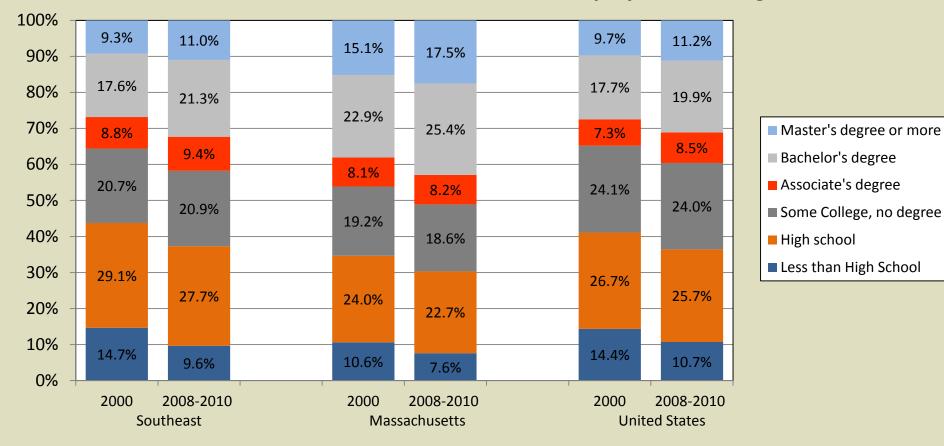
	Number	Percent of Total
Total number of employed persons living in the Southeast region	652,693	100.0%
that work in:		
Southeast	441,244	67.6%
Boston/Metro North	106,686	16.3%
Metro South/West	57,855	8.9%
Cape & Islands	7,195	1.1%
Other parts of Massachusetts	6,915	1.1%
Rhode Island	28,110	4.3%
Other places outside Massachusetts	4,688	0.7%
Total number of persons working in the Southeast region	535,070	100.0%
that live in:		
Southeast	441,244	82.5%
Boston/Metro North	20,692	3.9%
Metro South/West	26,439	4.9%
Cape & Islands	6,770	1.3%
Other parts of Massachusetts	7,512	1.4%
Rhode Island	27,964	5.2%
Other places outside Massachusetts	4,449	0.8%
Net in-commuting	-117,623	-

Source: U.S. Census Bureau 2008-2010 ACS PUMS data files.

Labor Demand

- Educational Attainment of Employed
- Educational Attainment and Composition of Industries and Occupations
- Demand for Workers with Post-Secondary Education Pre- and Post-Recession

The educational attainment of those employed in the Southeast region is closer to the nationwide workforce than statewide.



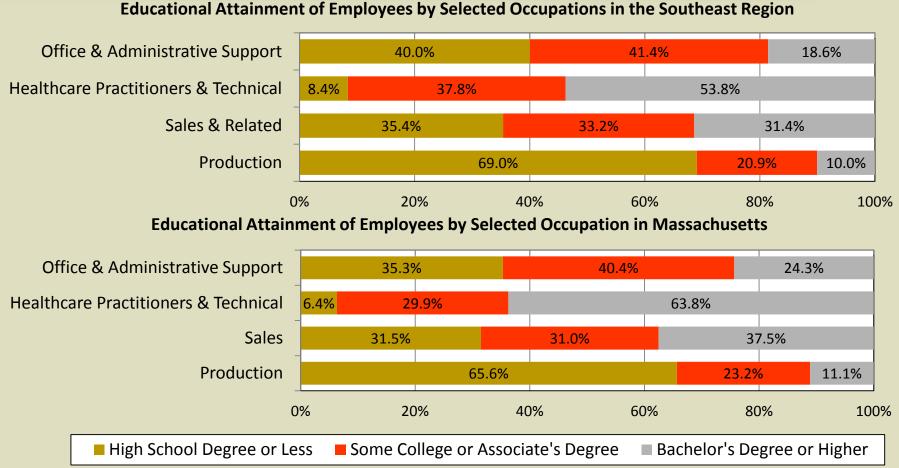
Educational Attainment of Individuals Employed in the Region

Industries in the region have small shares of employees with a Bachelor's Degree or Higher, but large shares with "middle-skills".

Educational Attainment of Employees by Selected Major Industries in the Southeast Region Health Care & Social Assistance 26.9% 38.9% 34.1% **Retail Trade** 44.5% 34.2% 21.3% Manufacturing 49.4% 23.2% 27.4% 0% 20% 40% 60% 80% 100% **Educational Attainment of Employees by Selected Major Industries in Massachusetts** Health Care & Social Assistance 23.0% 33.2% 43.8% **Retail Trade** 42.1% 33.1% 24.8% Manufacturing 37.3% 23.8% 38.8% 0% 20% 40% 60% 80% 100% Some College or Associate's Degree ■ Bachelor's Degree or Higher High School Degree or Less

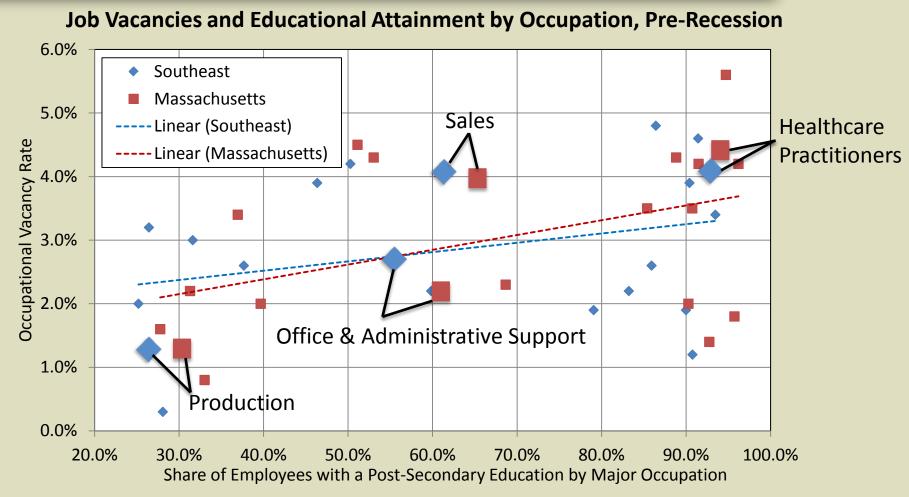
Source: U.S. Census Bureau 2008-2010 ACS PUMS data files.

The pattern persists across occupations, although the difference in post-secondary educational attainment is not as large.



Source: U.S. Census Bureau 2008-2010 ACS PUMS data files.

Prior to the recession there were higher vacancy rates in the more highly educated occupations than in the less educated.

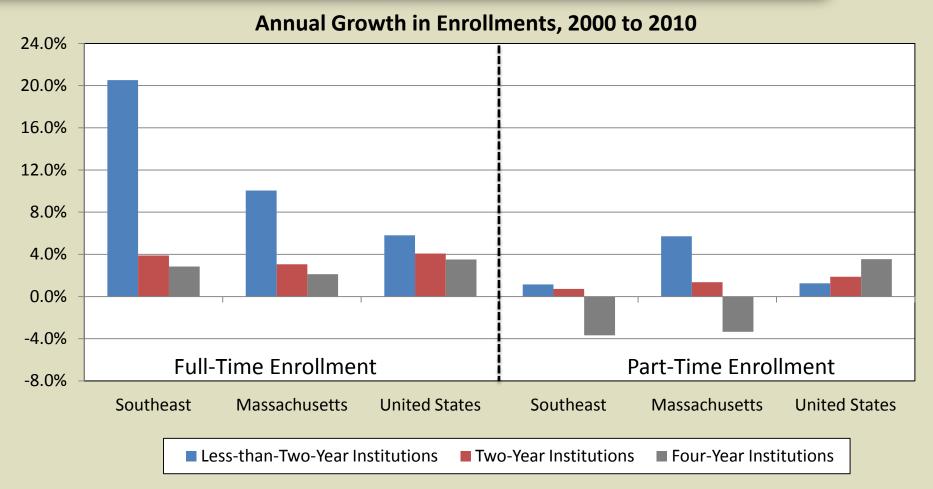


Source: Massachusetts EOLWD, Job Vacancy Survey and U.S. Census Bureau 2008-2010 ACS PUMS data files.

The Pipeline: Educational Supply of Post-Secondary Degrees

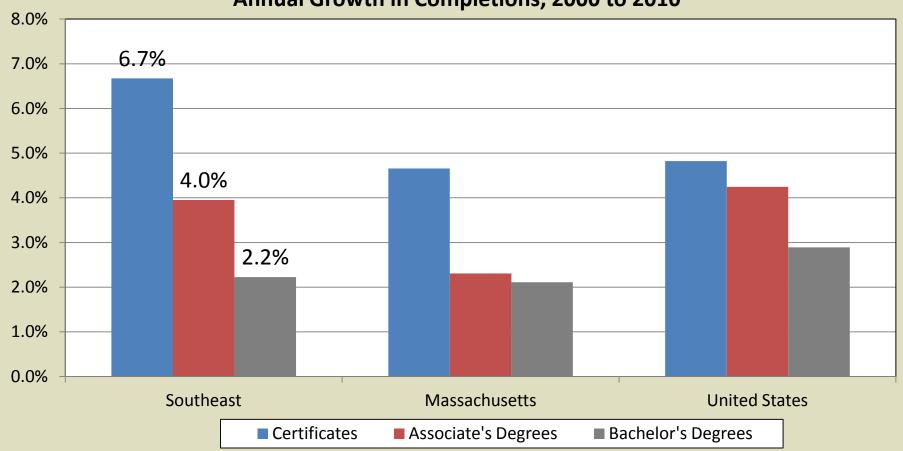
- Enrollment Patterns
- Degree Completions
- Major Fields of Study by Degree Type

Enrollment at higher educational institutions in the region has varied by type of institution and enrollment status.



Source: National Center for Education Statistics, Integrated Post-Secondary Educational Data System.

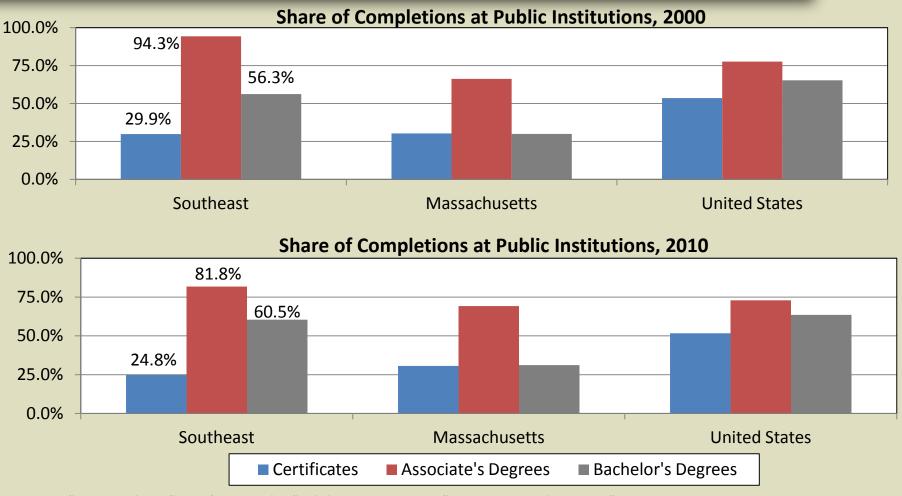
Growth in certificate and degree completions in the region exceeded statewide trends in the past decade.



Annual Growth in Completions, 2000 to 2010

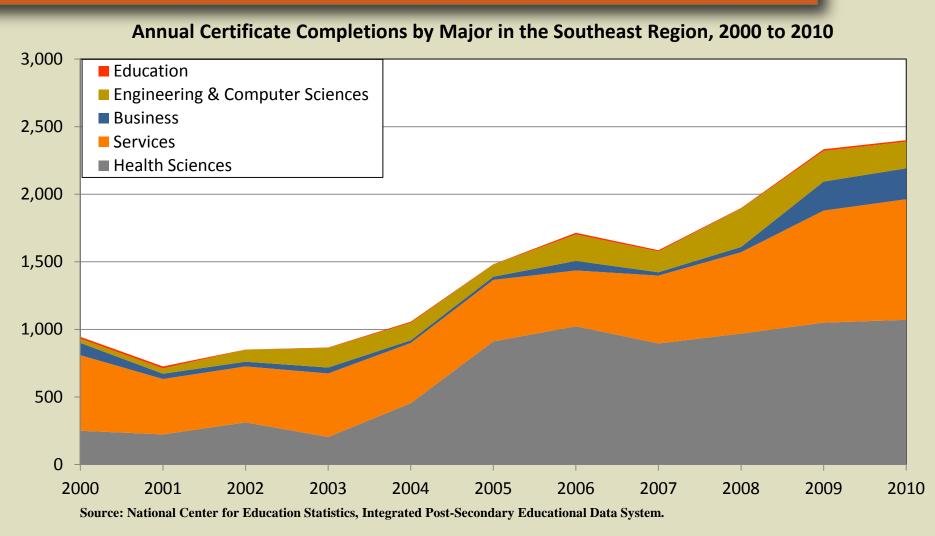
Source: National Center for Education Statistics, Integrated Post-Secondary Educational Data System.

Public institutions account for a larger share of Associate's and Bachelor's Degrees completions in the region than statewide.

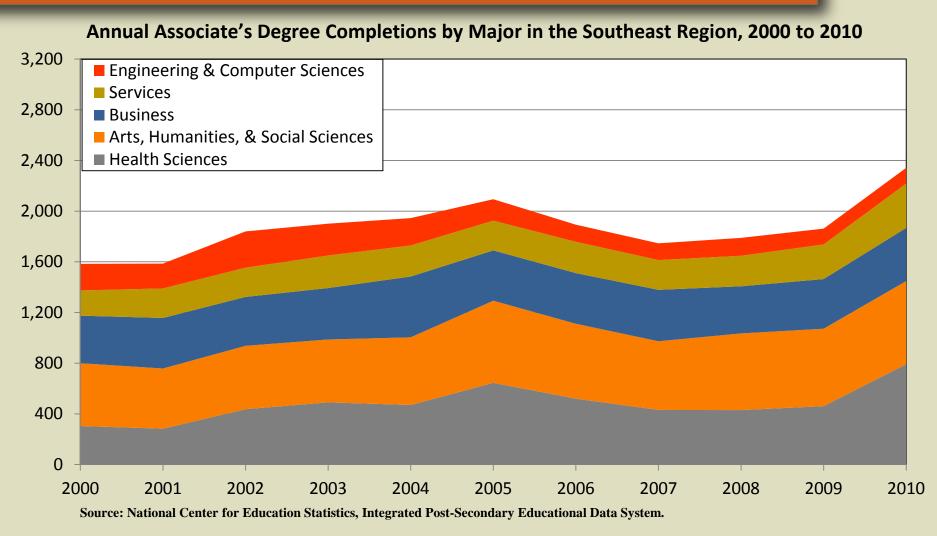


Source: National Center for Education Statistics, Integrated Post-Secondary Educational Data System.

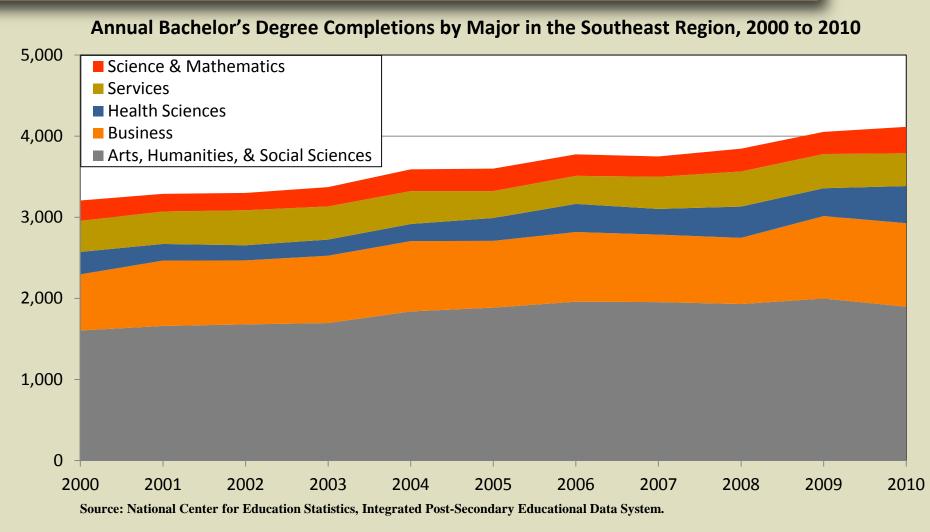
Health Sciences and Services have accounted for most of the Certificates completed in the Southeast region.



Associate's Degree completions have been in a number of fields of study, with more coming in Health Sciences in recent years.



Art, Humanities, & Social Sciences accounted for nearly half of all Bachelor's Degrees completed in the Southeast region.



Summary

- In the Great Recession, the region experienced a steep decline in employment and large increase in unemployment that positioned the region for a tough labor market recovery.
- While educational attainment of the region's labor force has increased more rapidly in the Southeast region than statewide in the past decade, it still has one of the highest shares of individuals with a High School Degree or less.
- Addressing the employment barriers facing the region's unemployed, particularly among the young and less educated, is one key to the recovery of the Southeast region.
- Given such trends, what should be done to ensure the future economic vitality of the Southeast region moving forward?

Thank You



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