Workforce Skills in Massachusetts - the Importance of Regional Planning

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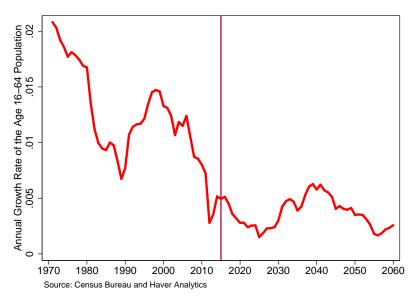
Outline of presentation

Labor supply

2 Labor demand

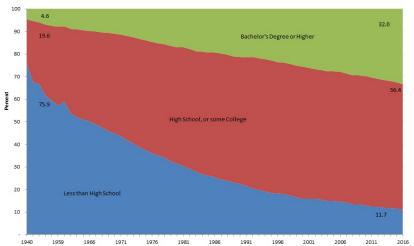
3 Importance of Regional Planning

Our population is aging, and labor force growth has slowed.



Educational attainment has increased over time...

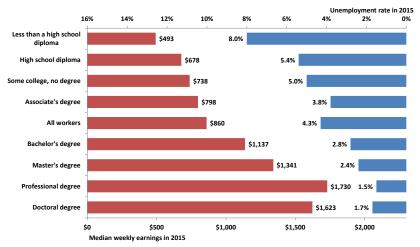
Educational attainment of the U.S. population age 25+



Census

.. and the economic return to education has increased.

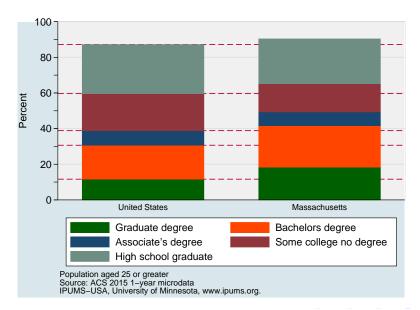
Earnings and unemployment rates by educational attainment, 2015



Note: Data are for persons age 25 and over. Earnings are for full-time wage and salary workers.

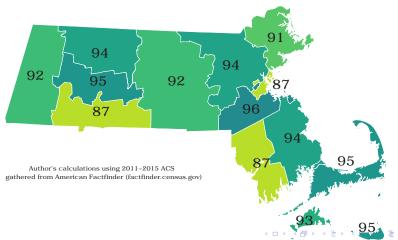
Source: U.S. Bureau of Labor Statistics, Current Population Survey, http://www.bls.gov/emp/ep_table_001.htm

Overall, Massachusetts is a very highly educated state.

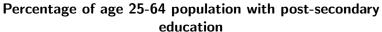


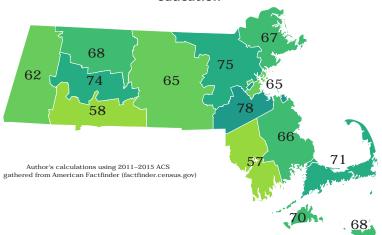
Regional differences in high school graduation are fairly modest...

Percentage of age 25-64 population with at least a high school diploma or GED



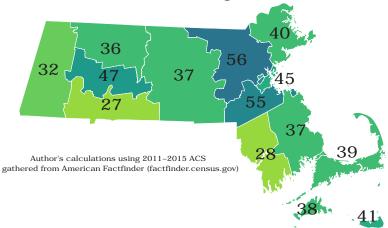
...differences in post-secondary schooling are more pronounced...





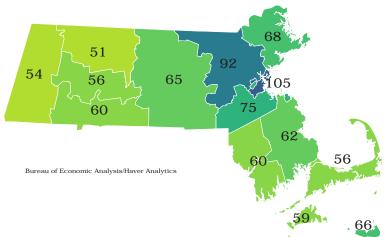
.. and differences in 4-year college are greater still.

Percentage of age 25-64 population with at least a bachelor's degree



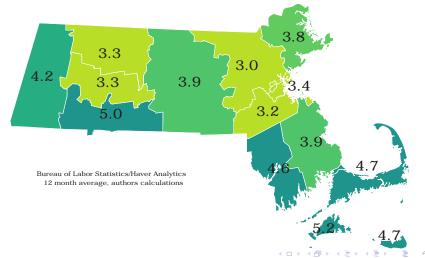
Greater educational attainment is associated with greater earnings.

Average annual compensation per job (\$ thousands), 2015



Differences in unemployment across counties are currently fairly modest.

Mean unemployment rate over past 12 months

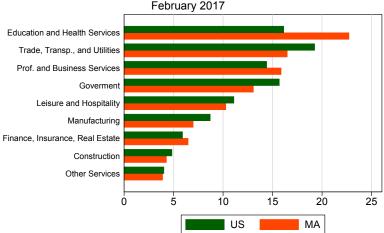


Employment growth since the onset of the Great Recession has been uneven.

Percentage employment change by county, January 2007 -January 2017 Bureau of Labor Statistics/Haver Analytics authors calculations

Massachusetts specializes in high-skill sectors.

Massachusetts and U.S. employment shares by supersector

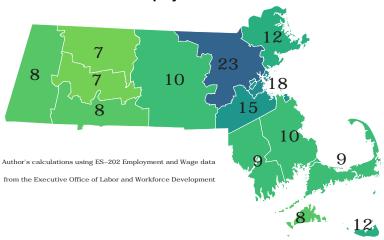


Seasonally adjusted

Source: Bureau of Labor Statistics Establishment Survey and Haver Analytics

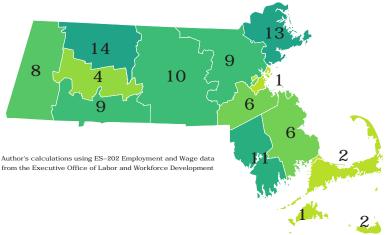
Professional services are centered around Boston ...

Professional and business services as a percentage of total employment, 2015



.. while manufacturing has a larger share elsewhere.

Manufacturing as a percentage of total employment, 2015



Implications for workforce skills planning

- The economic return to training and education depends on the quality of the job match.
- It is important to match training and credentials to regional labor demand.
- The economic prospects of regions depend on the availability of an educated workforce.