THE ECONOMICS AND DEMOGRAPHICS OF MAINE

UMaine Faculty Fellows Opening Session

December 14, 2018

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Department of Administrative and Financial Services
Overview

- Demographics
- Employment and GDP
- Wages and Income
- Other Indicators
- Government
Demographics
Three counties had peak decennial population in a year other than 2010:
- Aroostook: 1960
- Piscataquis: 1920
- Washington: 1900
Total Population, Regions of Maine

Sources: U.S. Census Bureau; State Economist population projections
Maine

- 2017 Population Estimate: 1,335,907
  - 42nd largest in US

- 2010 – 2017 Population Change: +0.6%
  - 45th in US (ahead of WV, VT, IL, CT, and MS)

- 2017 Median age: 44.7 years
  - Oldest in US

- 93.3% White, Non-Hispanic
  - Highest percentage in US

Source: U.S. Census Bureau, Population Estimates Program
Median Age

Maine average = 44.7 years

Source: U.S. Census Bureau, 2017 Population Estimates
The Baby Boom Wave

Source: U.S. Census Bureau, Decennial Censuses and State Economist population projections
Births and Deaths per year in Maine

Sources: Maine Office of Data, Research, and Vital Statistics; U.S. Census Bureau Population Estimates Program
Components of Population Change, Maine

Net population change: +5,675

<table>
<thead>
<tr>
<th>Year</th>
<th>Domestic Migration</th>
<th>International Migration</th>
<th>Deaths</th>
<th>Births</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>+400</td>
<td>+133</td>
<td>-126</td>
<td>+928</td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td></td>
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<td>2013</td>
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<td>2014</td>
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<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>+2,445</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, Population Estimates Program
### 2017 State-to-State Migration Patterns

<table>
<thead>
<tr>
<th>Moved to Maine from:</th>
<th>Moved from Maine to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Massachusetts</td>
<td>7,567</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>4,274</td>
</tr>
<tr>
<td>Florida</td>
<td>3,059</td>
</tr>
<tr>
<td>New York</td>
<td>2,478</td>
</tr>
<tr>
<td>Connecticut</td>
<td>1,690</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>1,629</td>
</tr>
<tr>
<td>California</td>
<td>1,578</td>
</tr>
<tr>
<td>Georgia</td>
<td>1,241</td>
</tr>
<tr>
<td>Virginia</td>
<td>1,162</td>
</tr>
<tr>
<td>North Carolina</td>
<td>1,074</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>4,099</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>3,950</td>
</tr>
<tr>
<td>Florida</td>
<td>2,960</td>
</tr>
<tr>
<td>California</td>
<td>2,578</td>
</tr>
<tr>
<td>New York</td>
<td>1,611</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>1,156</td>
</tr>
<tr>
<td>Virginia</td>
<td>1,135</td>
</tr>
<tr>
<td>North Carolina</td>
<td>1,014</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>904</td>
</tr>
<tr>
<td>Texas</td>
<td>648</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, 2017 American Community Survey 1-year estimates
Who are the people moving to Maine?

- **Age:**
  - 25-29: net gain of 2,658 (annual migration rate 3.5%)
  - 30-34: +1,565 (2.0%)

- **Educational attainment:**
  - Bachelor’s Degree: net gain of 2,966
  - Graduate or Professional Degree: +1,896

Source: U.S. Census Bureau, 2017 American Community Survey 1-year estimates
Employment and GDP
Projected Population Change and Participation Rates by Age Group in Maine

Source: Maine Department of Labor, Employment Outlook to 2026;
Monthly Unemployment Rate
(Seasonally Adjusted)

Source: Maine Department of Labor, Center for Workforce Research and Information
Maine Wage and Salary Employment by Industry (in thousands)

- Education and Health Services
- Manufacturing
- Professional and Business Services

Source: Maine Department of Labor, Center for Workforce Research and Information
Manufacturing has changed over time

“All Other” in 2016:
- Fabricated metal product (7.7%)
- Beverage and tobacco product (5.2%)
- Plastics and rubber products (4.7%)
- Chemical (4.2%)
- Machinery (4.2%)
- And more!
2017 Maine Employment and GDP by Industry

Sources: Maine Department of Labor, Center for Workforce Research and Information and U.S. Bureau of Economic Analysis
Maine Real GDP by Industry, 1997-2017
(in millions of chained 2012 dollars)

Source: U.S. Bureau of Economic Analysis
Tourism is an important part of Maine’s economy (it’s just hard to measure)

In 2017, there were over 5.3 million first-time visitors to Maine

Source: Maine Office of Tourism
Wages and Income
Percent Change in Real Personal Income, Maine
2008-2017 and forecast to 2023

Latest Personal Income Release

- Total personal income growth for Maine in 2017 was revised up from 2.7% (ranking 31st) to 4.2% (ranking 20th)

- Preliminary estimate of growth in 2018:Q2 is 4.2% (ranking 25th)
  - Largest contributor was net earnings, which saw growth of 5.1%, highest in New England and 15th nationally

Source: U.S. Bureau of Economic Analysis
Household Income and Benefits, 2017

Source: U.S. Census Bureau, 2017 American Community Survey 1-year estimates
Other Indicators
Educational Attainment of Population Age 25+

Source: U.S. Census Bureau, Decennial Census and American Community Survey 1-year estimates
<table>
<thead>
<tr>
<th>Maine Retail Sales</th>
<th>% Change from September 2017 to September 2018</th>
<th>% Change last three months / same 3 month period one year ago</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Supply</td>
<td>2.1%</td>
<td>6.3%</td>
</tr>
<tr>
<td>Food Store</td>
<td>3.5%</td>
<td>3.7%</td>
</tr>
<tr>
<td>General Merchandise</td>
<td>-3.8%</td>
<td>-2.5%</td>
</tr>
<tr>
<td>Other Retail</td>
<td>11.5%</td>
<td>13.7%</td>
</tr>
<tr>
<td>Restaurant</td>
<td>3.6%</td>
<td>4.9%</td>
</tr>
<tr>
<td>Lodging</td>
<td>3.2%</td>
<td>2.9%</td>
</tr>
<tr>
<td>Auto Transportation</td>
<td>1.0%</td>
<td>6.0%</td>
</tr>
<tr>
<td>Total</td>
<td>2.8%</td>
<td>5.4%</td>
</tr>
<tr>
<td>Business Operating</td>
<td>4.9%</td>
<td>11.1%</td>
</tr>
<tr>
<td>Personal Consumption</td>
<td>2.5%</td>
<td>4.8%</td>
</tr>
</tbody>
</table>
Percent of Housing Units by Type of Primary Heating Fuel (2017)

Source: U.S. Census Bureau, 2017 American Community Survey 1-year estimates
Weekly New England Retail Gasoline Prices (Dollars per Gallon)

Dec 10, 2018, $2.62

Source: U.S. Energy Information Administration
Government
Original General Fund Budgeted Appropriations through the 128th 2nd Special Session for the FY 2018-2019 biennium were $7,215.3 million.

Source: Maine Bureau of the Budget
Contact Information

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