



Identifying Transportation Alternatives for an Aging Population

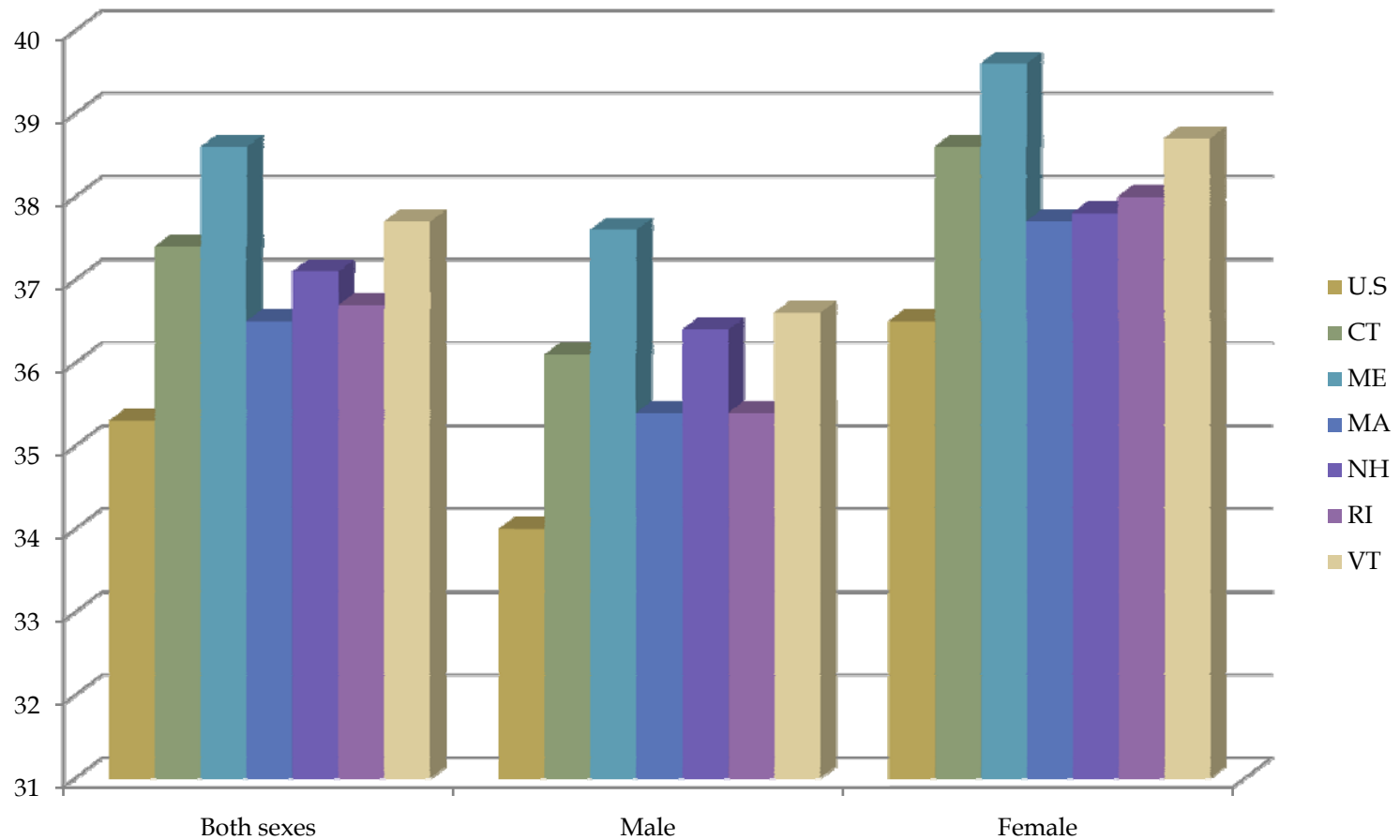
Looking Forward Track
2008 NNECAPA
Annual Conference
5 September 2008
Woodstock, VT

The background of the slide features a photograph of a multi-story brick building with many windows, situated on a city street. The sky is overcast and grey. The text is overlaid on a white rectangular area in the center of the image.

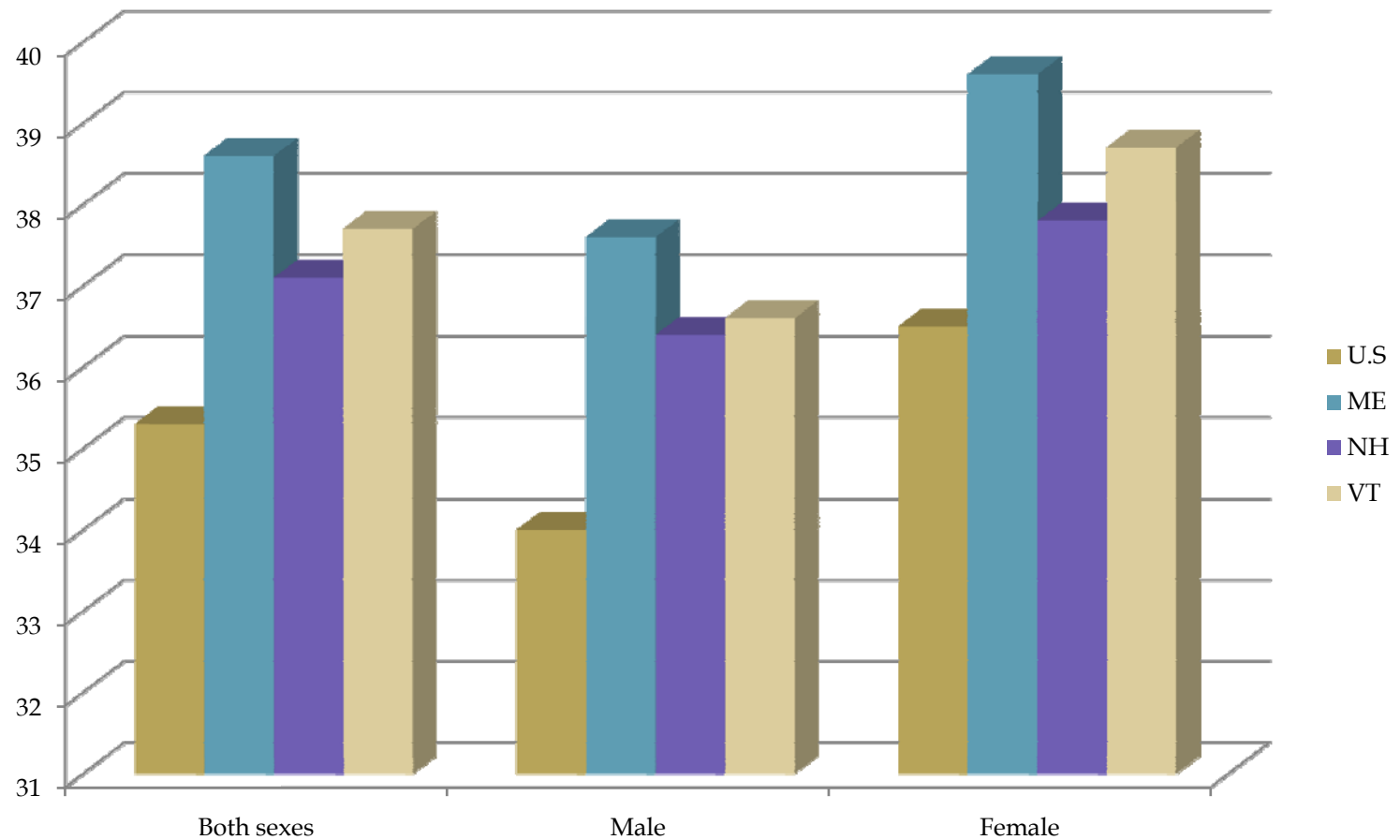
Overview

- Introduction
- Population and Socioeconomic Characteristics
- Strategies for Coordination and Increasing Ridership
- Summary

Median Age: 2000

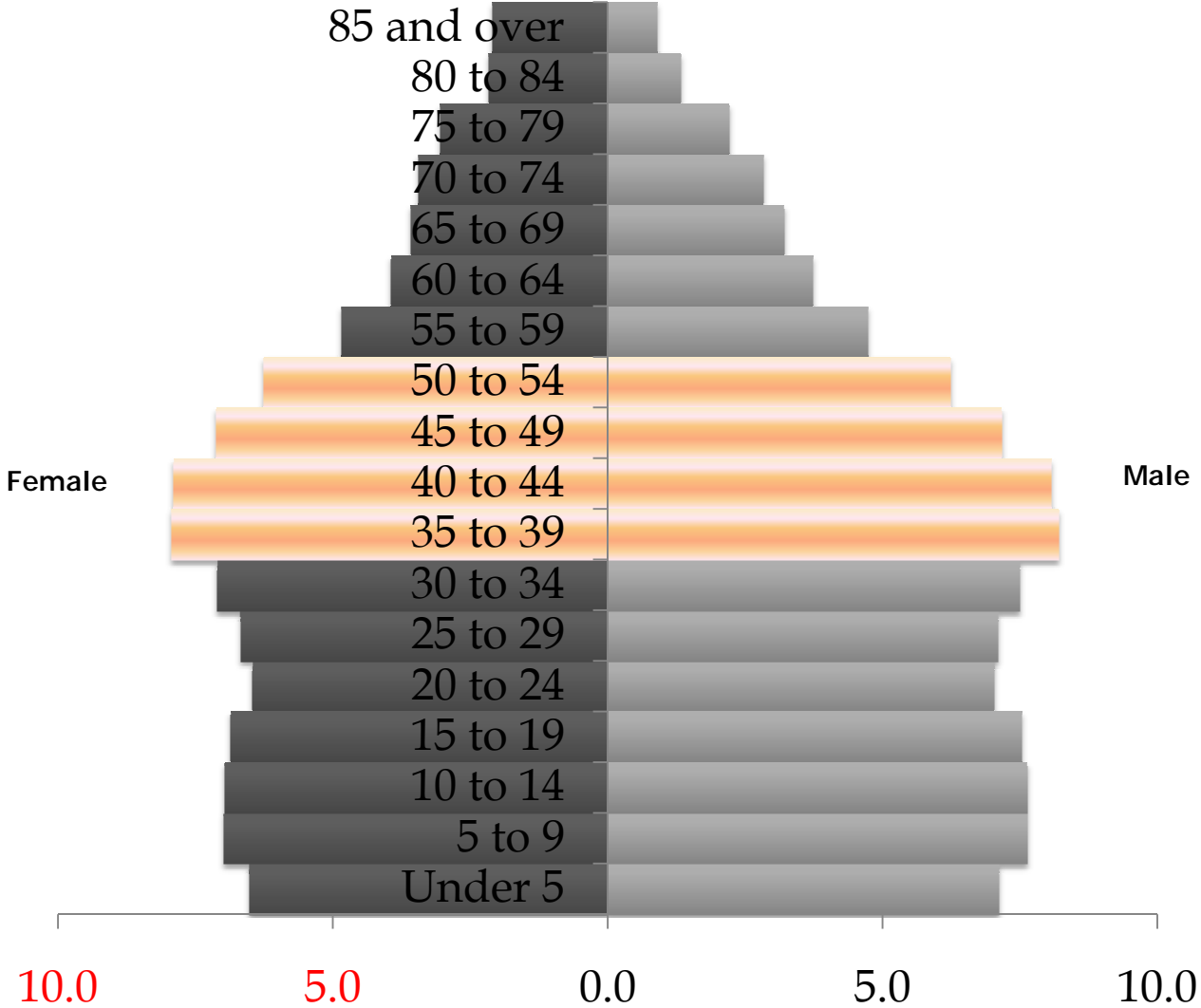


Median Age: 2000



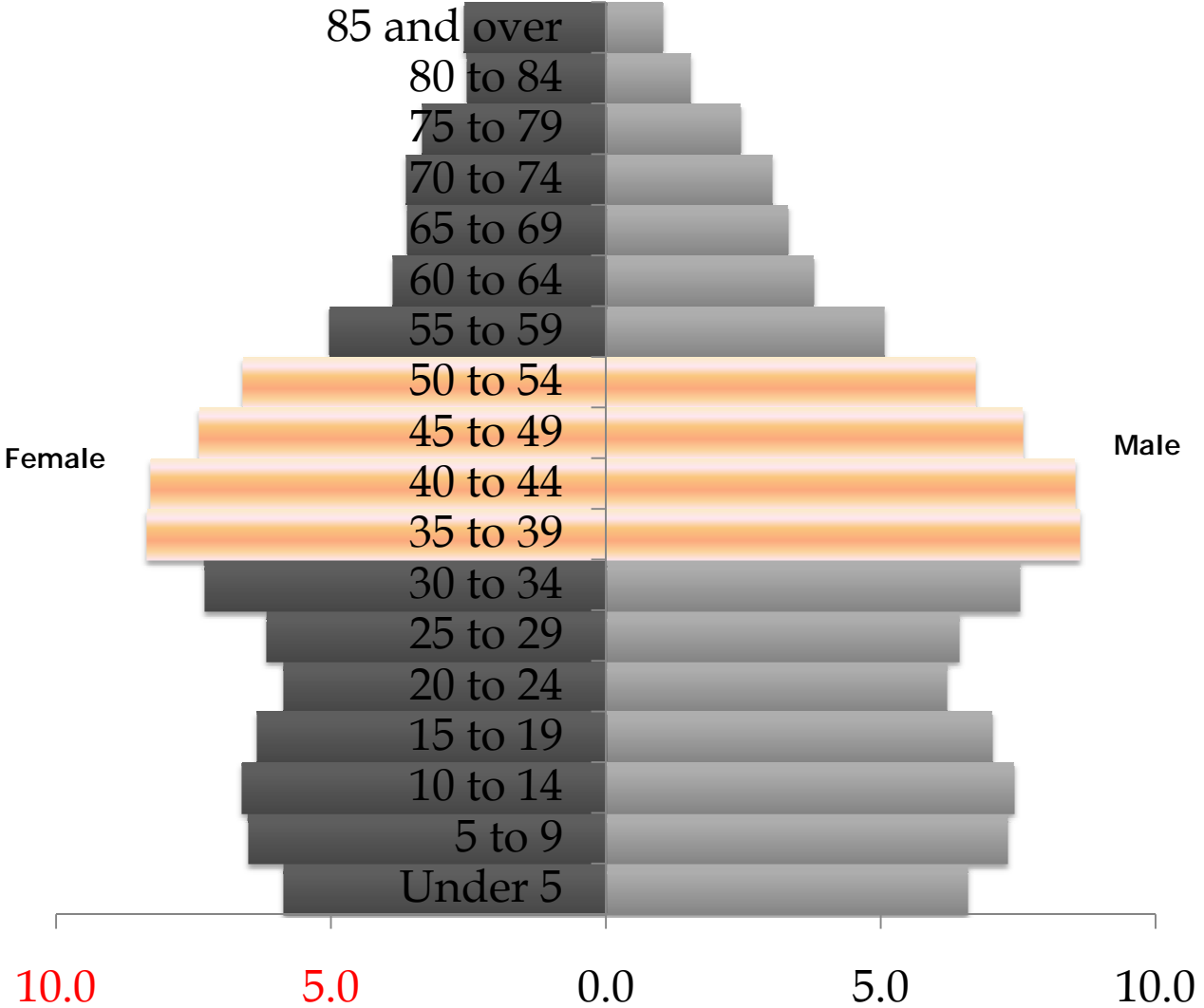
2000 Census Population Pyramids

U.S.



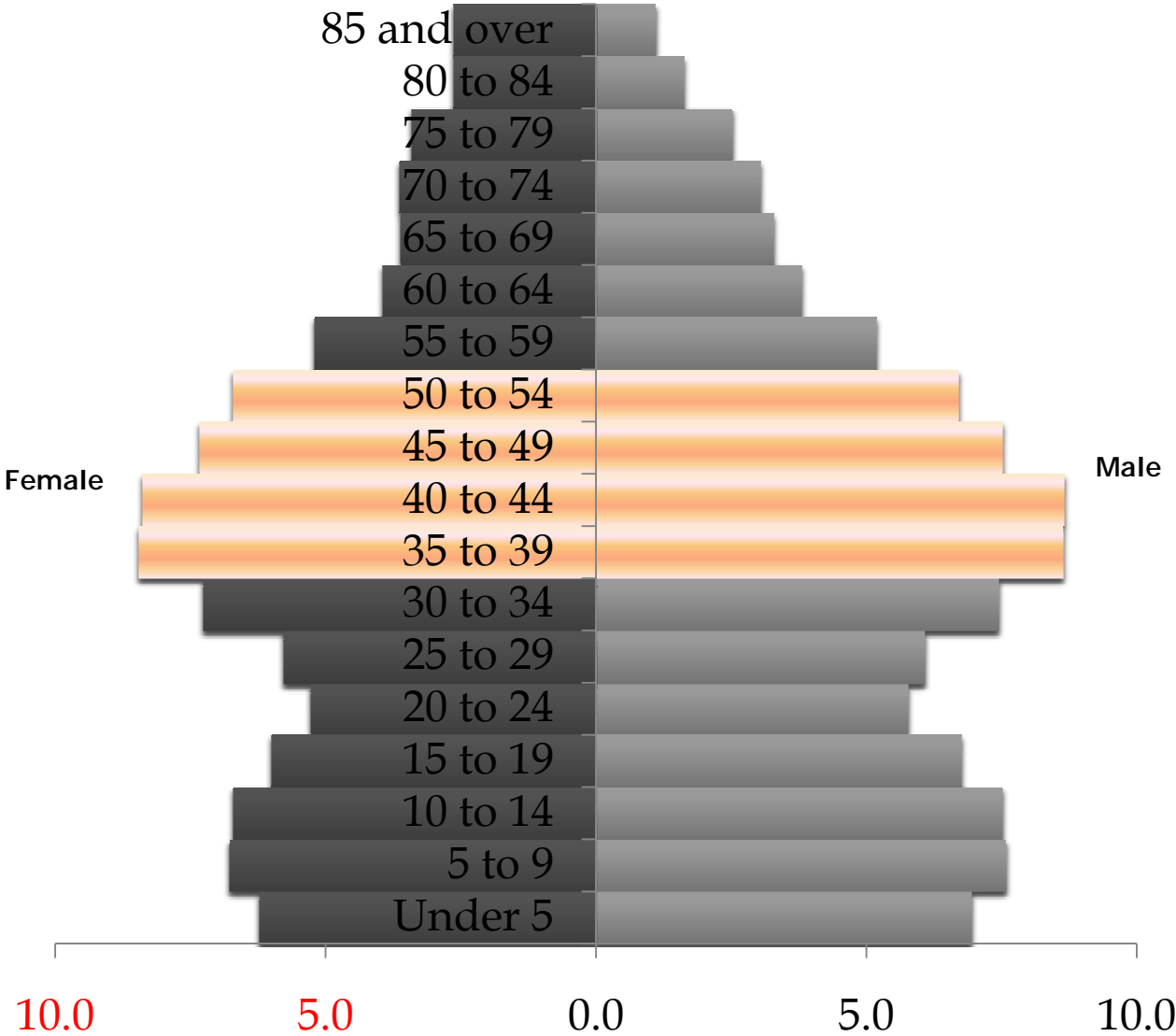
2000 Census Population Pyramids

Region 1



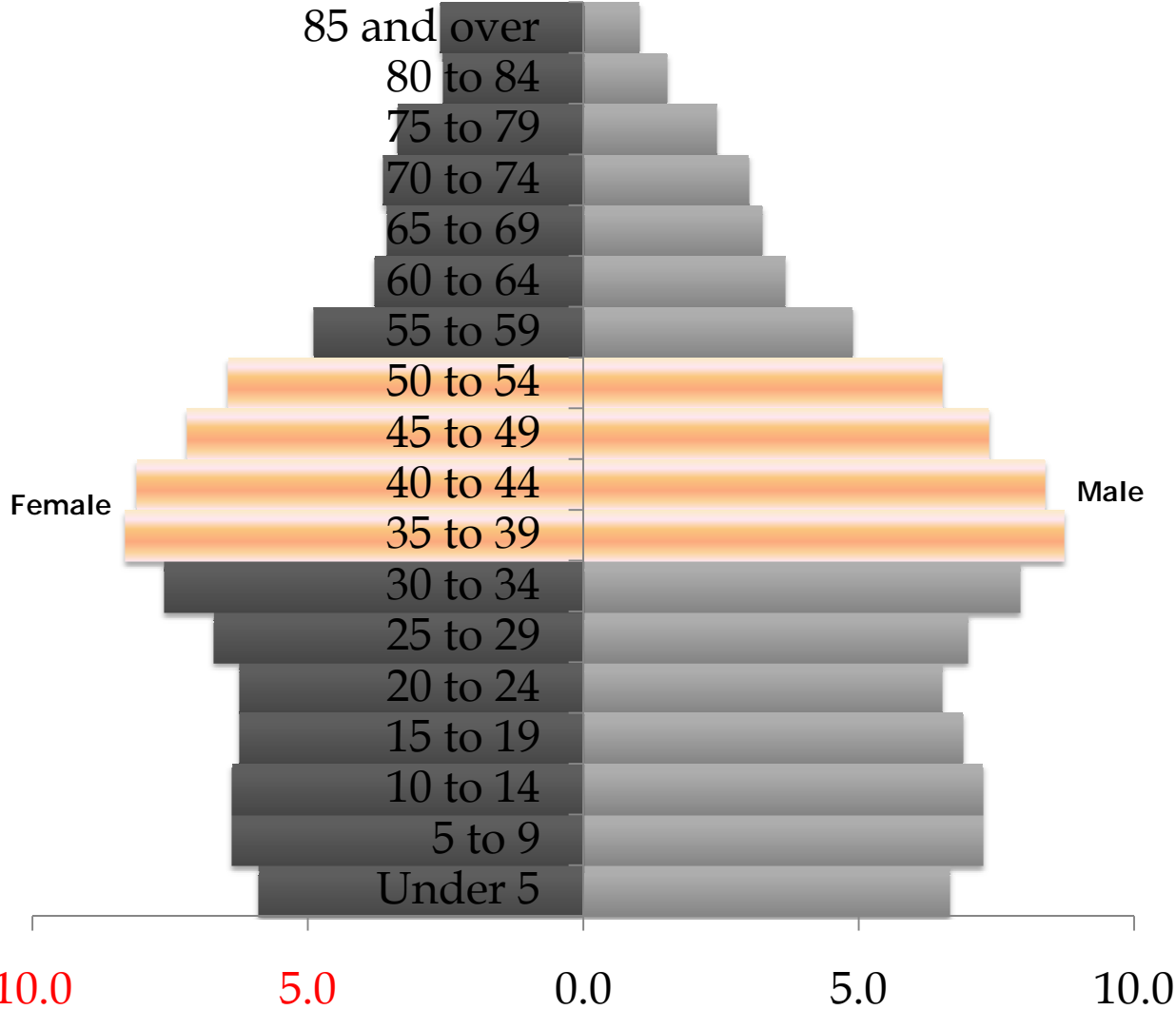
2000 Census Population Pyramids

Connecticut



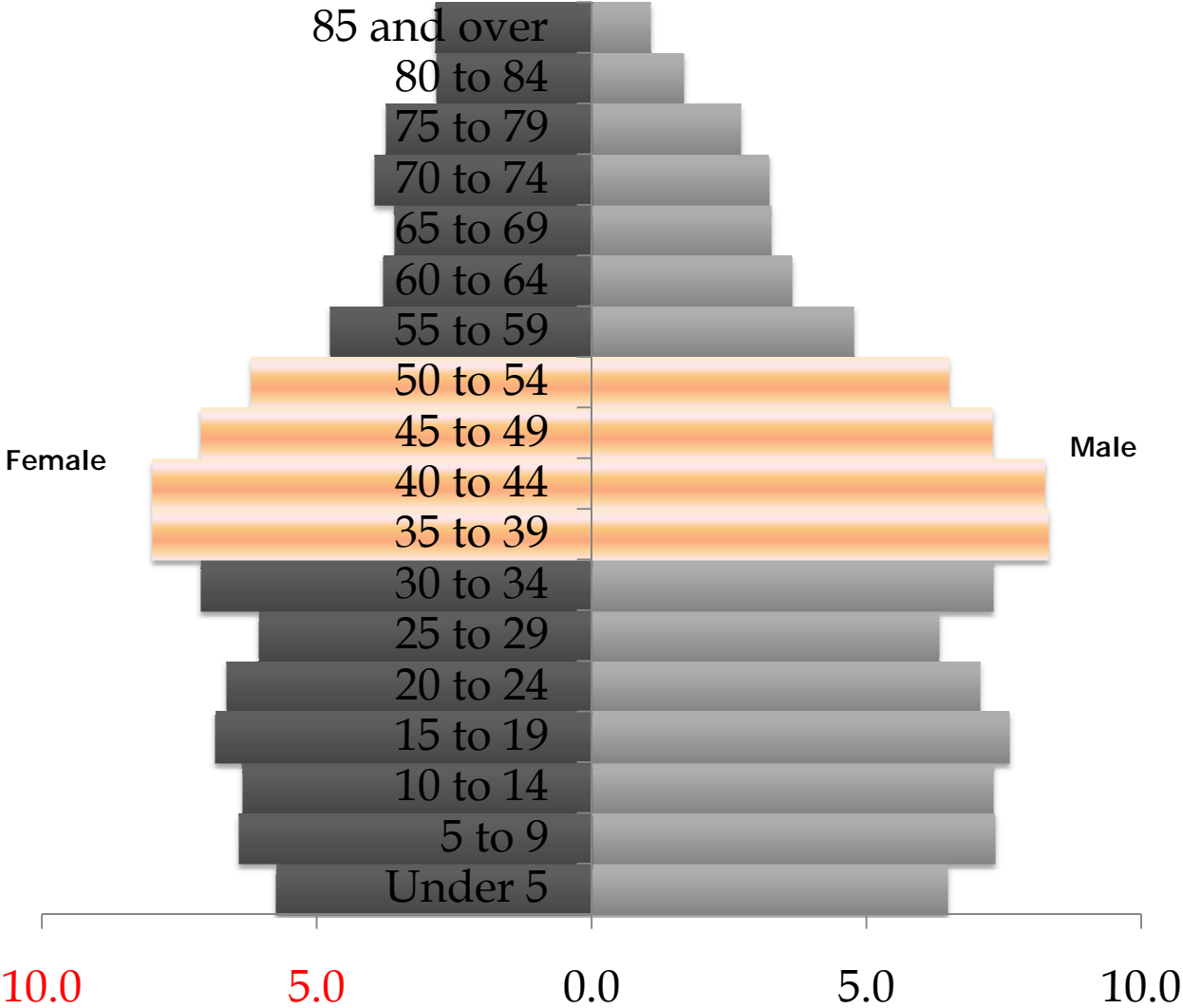
2000 Census Population Pyramids

Massachusetts



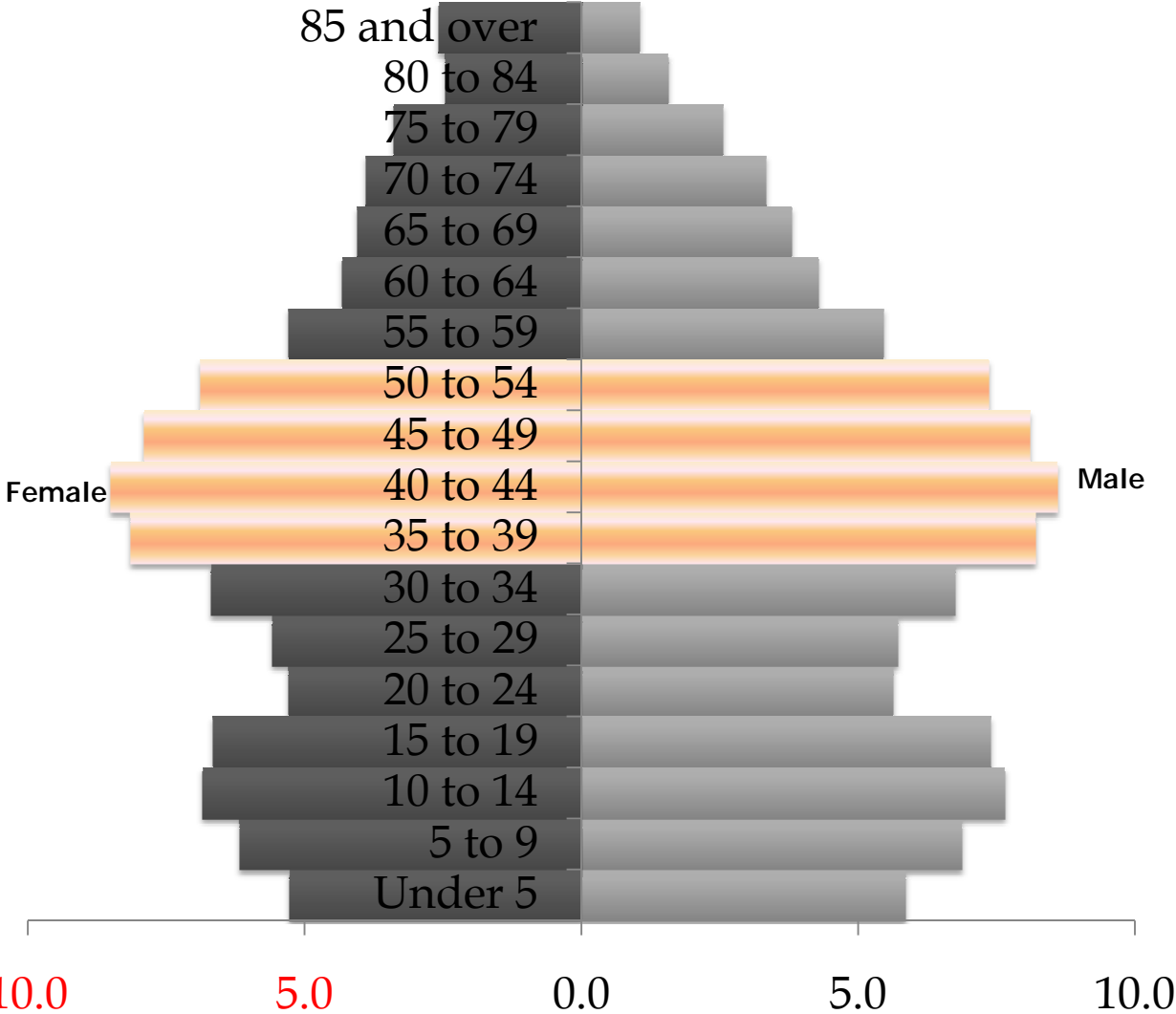
2000 Census Population Pyramids

Rhode Island



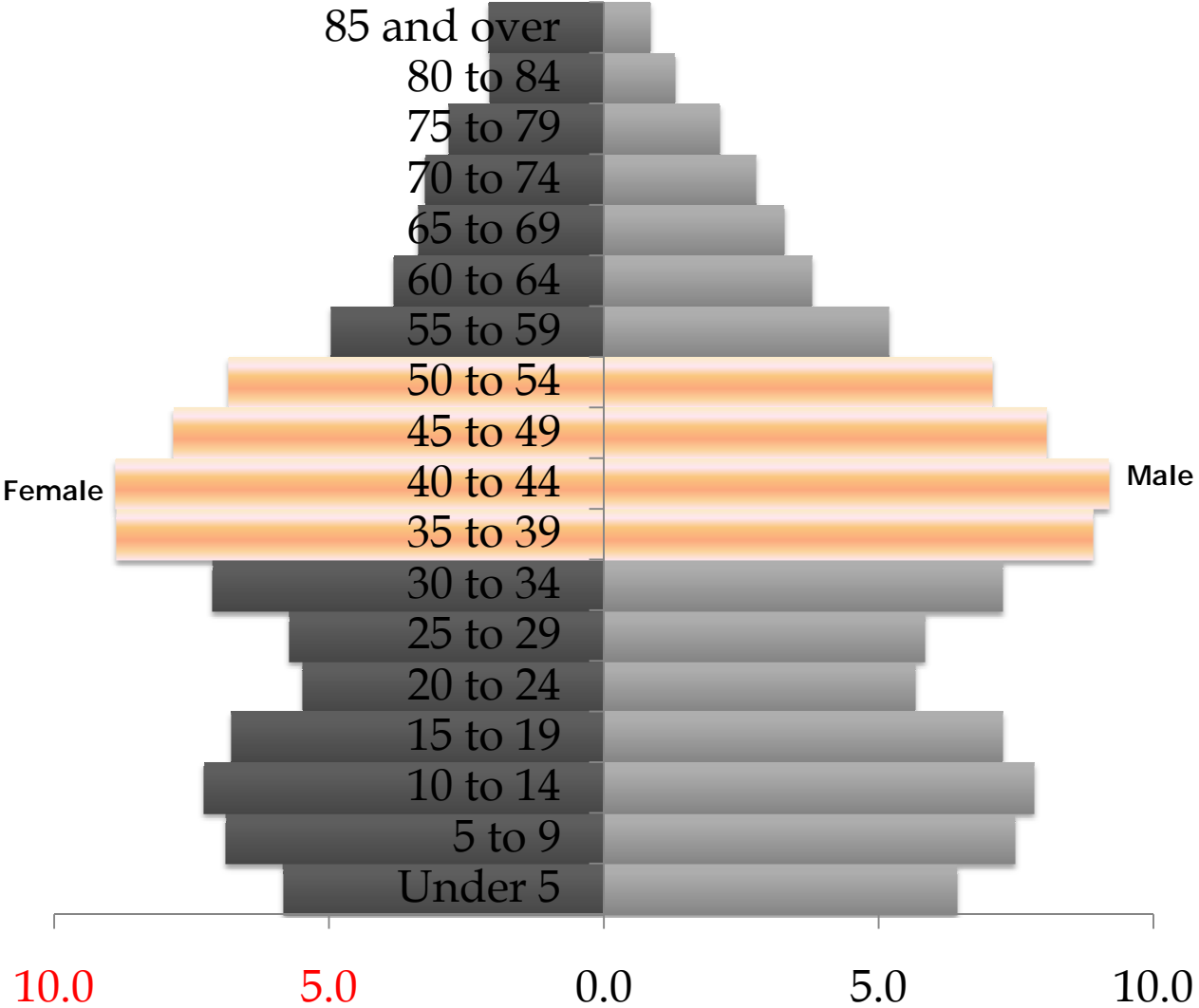
2000 Census Population Pyramids

Maine



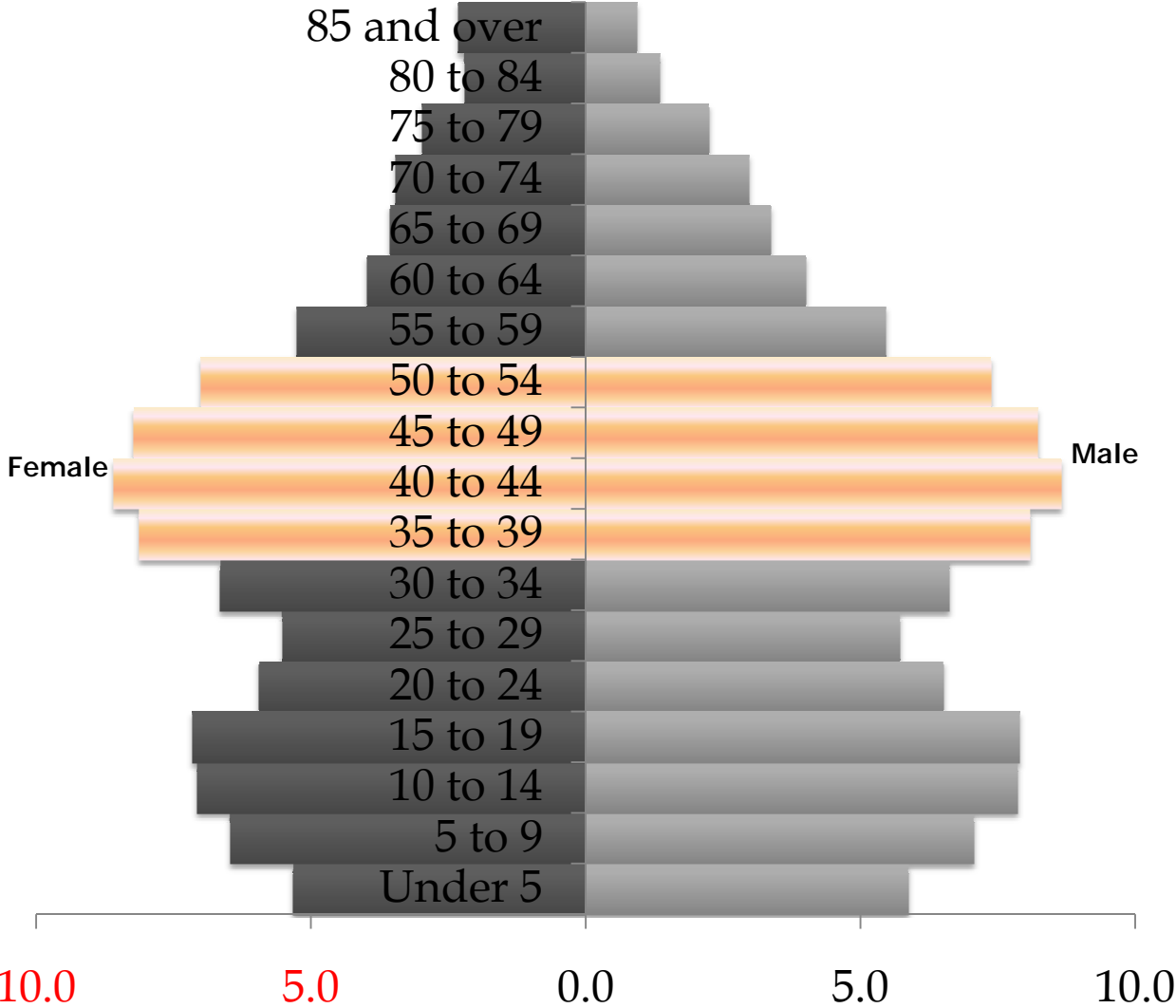
2000 Census Population Pyramids

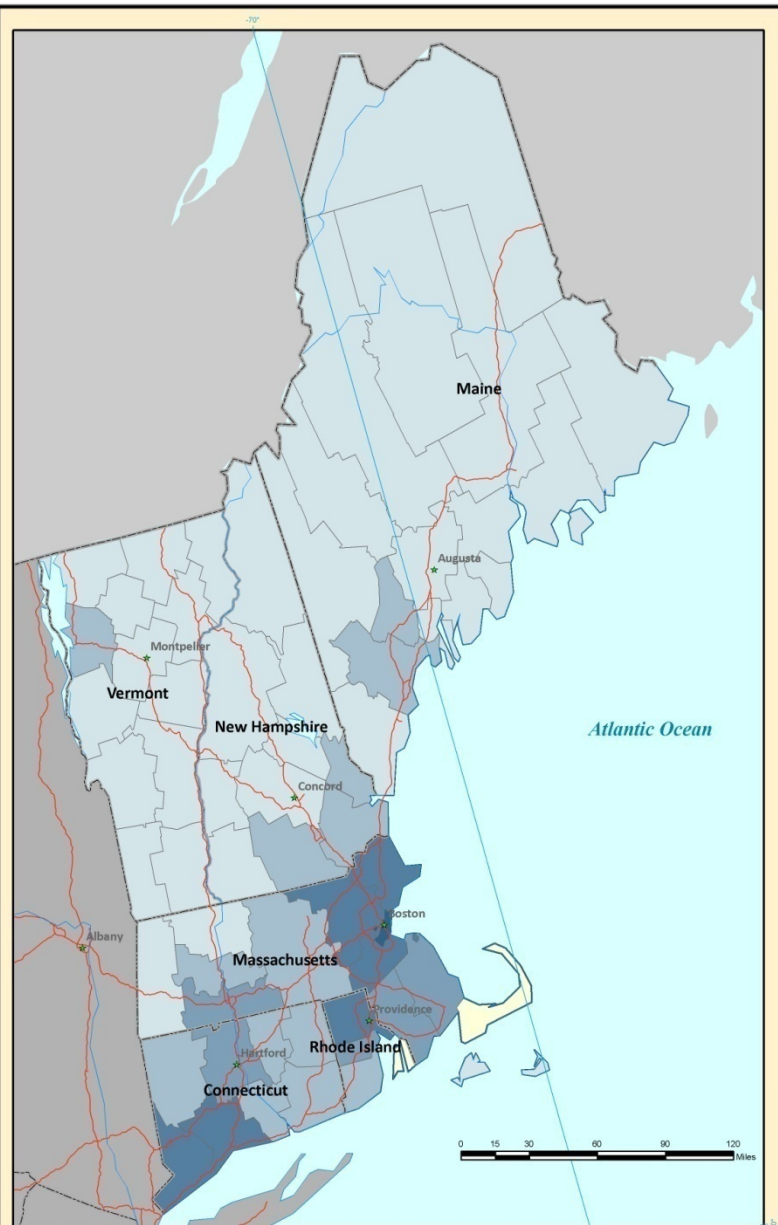
New Hampshire



2000 Census Population Pyramids

Vermont



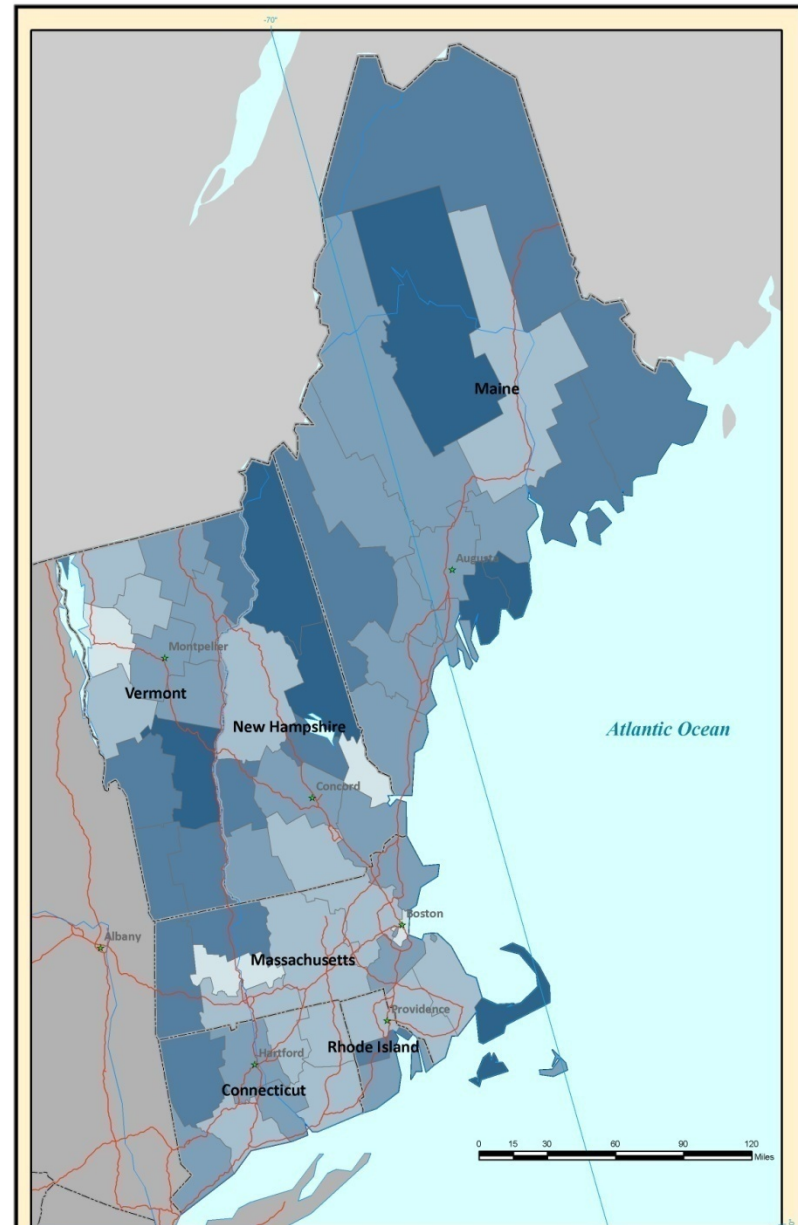


Legend
County

Population 2000 / Square Mile
41 - 192
190 - 470
480 - 1,100
1,200 - 2,100
2,200 - 9,300

Region I

Albers Projection
Central Meridian: -95
1st Std Parallel: 20
2nd Std Parallel: 60
Latitude of Origin: 40
Created by B. G. Ward
28 June 2007

Legend
County

% Population 35+ Years
44.1% - 49.3%
49.4% - 53.0%
53.0% - 56.4%
56.5% - 59%
59.1% - 64.6%

Region I

Albers Projection
Central Meridian: -95
1st Std Parallel: 20
2nd Std Parallel: 60
Latitude of Origin: 40
Created by B. G. Ward
28 June 2007



Population and Selected Socioeconomic Characteristics

Blue = Population Growth; Gold = Age Cohort Increase

Characteristic	2010							% Change 2000-2010 (Region)
	Region 1	CT	ME	MA	NH	RI	VT	
Total population	14,738,789	3,577,490	1,357,134	6,649,441	1,385,560	1,116,652	652,512	5.9%
Age								
% 35 to 44 years	13.5%	13.5%	12.9%	13.9%	13.4%	12.8%	12.3%	-20.0%
% 45 to 54 years	15.7%	15.8%	16.2%	15.4%	16.3%	15.0%	15.6%	10.8%
% 55 to 59 years	6.6%	6.4%	7.6%	6.4%	7.1%	6.4%	7.7%	32.0%
% 60 to 64 years	5.7%	5.5%	6.6%	5.5%	6.0%	5.4%	6.6%	48.4%
% 65 to 74 years	7.1%	7.1%	8.1%	6.8%	7.0%	6.8%	7.7%	3.7%
% 75 to 84 years	4.5%	4.7%	5.1%	4.5%	4.0%	4.6%	4.4%	-8.2%
% 85+ years	2.4%	2.6%	2.4%	2.4%	1.9%	2.7%	2.2%	32.2%

Selected Socioeconomic Characteristics (cont'd)

Characteristic	2000						
	Region 1	CT	ME	MA	NH	RI	VT
% Mobile Home	2.7%	0.8%	10.7%	0.9%	6.6%	1.0%	8.2%
% Nursing Home (GQ)	26.1%	29.9%	26.8%	25.2%	26.2%	23.8%	19.4%
% Widowed (15+ Yrs)	6.9%	7.0%	7.1%	7.0%	5.9%	7.5%	6.3%
Below Poverty Level							
% 18 to 64 years	56.1%	55.0%	57.2%	56.6%	57.2%	53.3%	58.9%
% 65 to 74 years	5.4%	5.0%	6.1%	5.5%	5.5%	5.1%	5.0%
% 75 years and over	7.0%	6.8%	7.1%	7.0%	7.2%	7.4%	6.2%
% HHs with SS income	26.7%	27.0%	28.9%	26.2%	24.7%	27.9%	26.5%
% HHs without Phone	1.1%	1.1%	1.3%	0.9%	1.1%	1.5%	1.5%
% HHs without Vehicle	10.5%	9.6%	7.6%	12.7%	5.8%	10.9%	6.8%

Implications of Socioeconomic Characteristics for the Future

- Projected growth
- Median age
- Desirable that persons “age-in-place”
- Vehicle ownership v. persons with disabilities, age, and population growth
- Global trends
 - Climate change
 - Economy
 - Energy

Additional Considerations

- Median age in the study area exceeds the U.S. average
- Disasters and emergencies
- Ethnicity and gender
- Household composition
- Retirement security
- Vehicle availability

Health Related Characteristics that Influence Mobility

- Obesity
- Alzheimer's disease
- Arthritis
- Cancer
- Diabetes
- Heart disease and stroke
- Hypertension
- Osteoporosis, and
- Sensory impairments



General Strategies

- Safe-Mobility Action Plan
- Transit operations
- Roadway design
- Other land use, infrastructure, and policy considerations
 - Emergency planning
 - Design of new communities
- Promotion of driving cessation counseling programs
- Partnering with agencies that provide these services

Strategies from AARP's *Livable Communities: An Evaluation Guide*

http://assets.aarp.org/rgcenter/il/d18311_communities.pdf

- Evaluate your service area or community
- Embrace “mobility management”: multiple options
 - Fixed Route
 - Paratransit
 - Conceirge services
 - Private operators
- Bicycling
- Walking

Summary

- Existing population demographics
 - Use FTA Circular 4702.1A to perform more discrete analyses
- Population forecasts leading to driving cessation/reduction needs
- Strategies for MPOs, providers, and human service agencies to consider
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