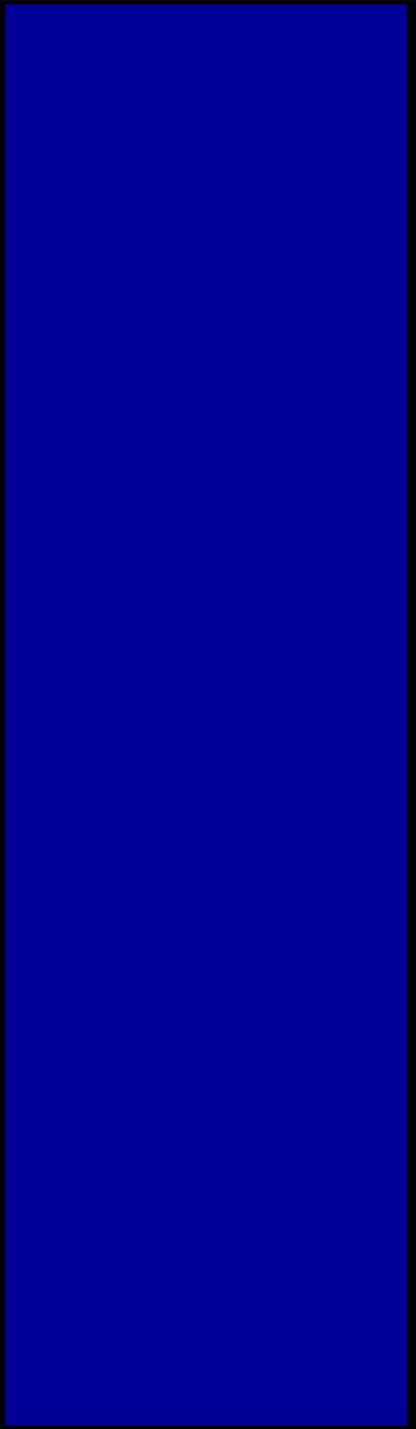


**State of Utah
Long Term
Projections
2005-2050**

**2005
Baseline
Projections**

**Demographic and Economic Analysis
Governor's Office of Planning and Budget**



Presentation Overview

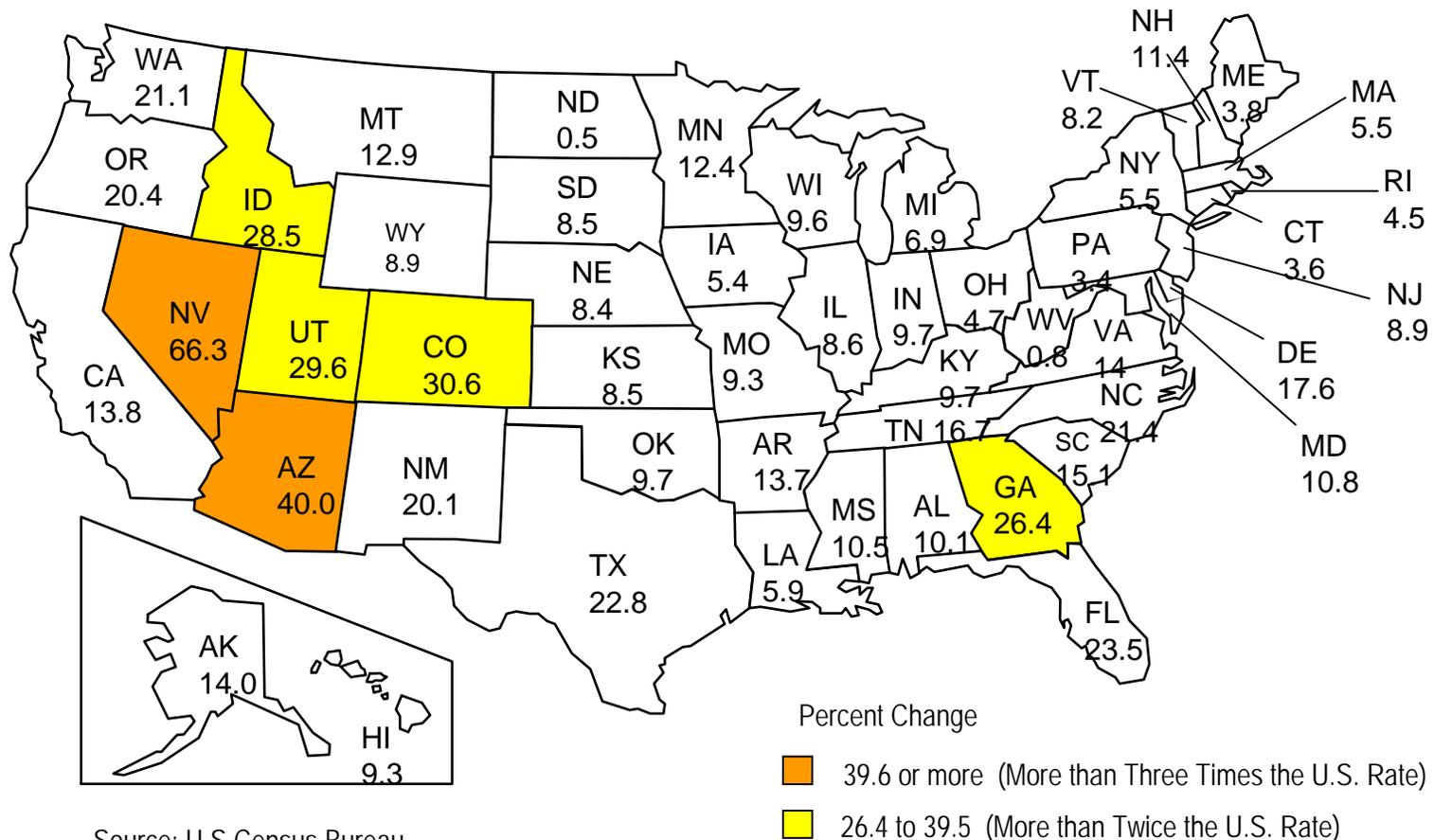
- Historical Data
- Assumptions
- REMI Model Overview
- Results



Historical Data

Utah is in the Center of the Fastest Growing Area of the Country

Percent Change in Population for States: 1990 to 2000
U.S. Rate = 13.2%



Source: U.S. Census Bureau

Utah was the 4th Fastest Growing State from 1990 to 2000

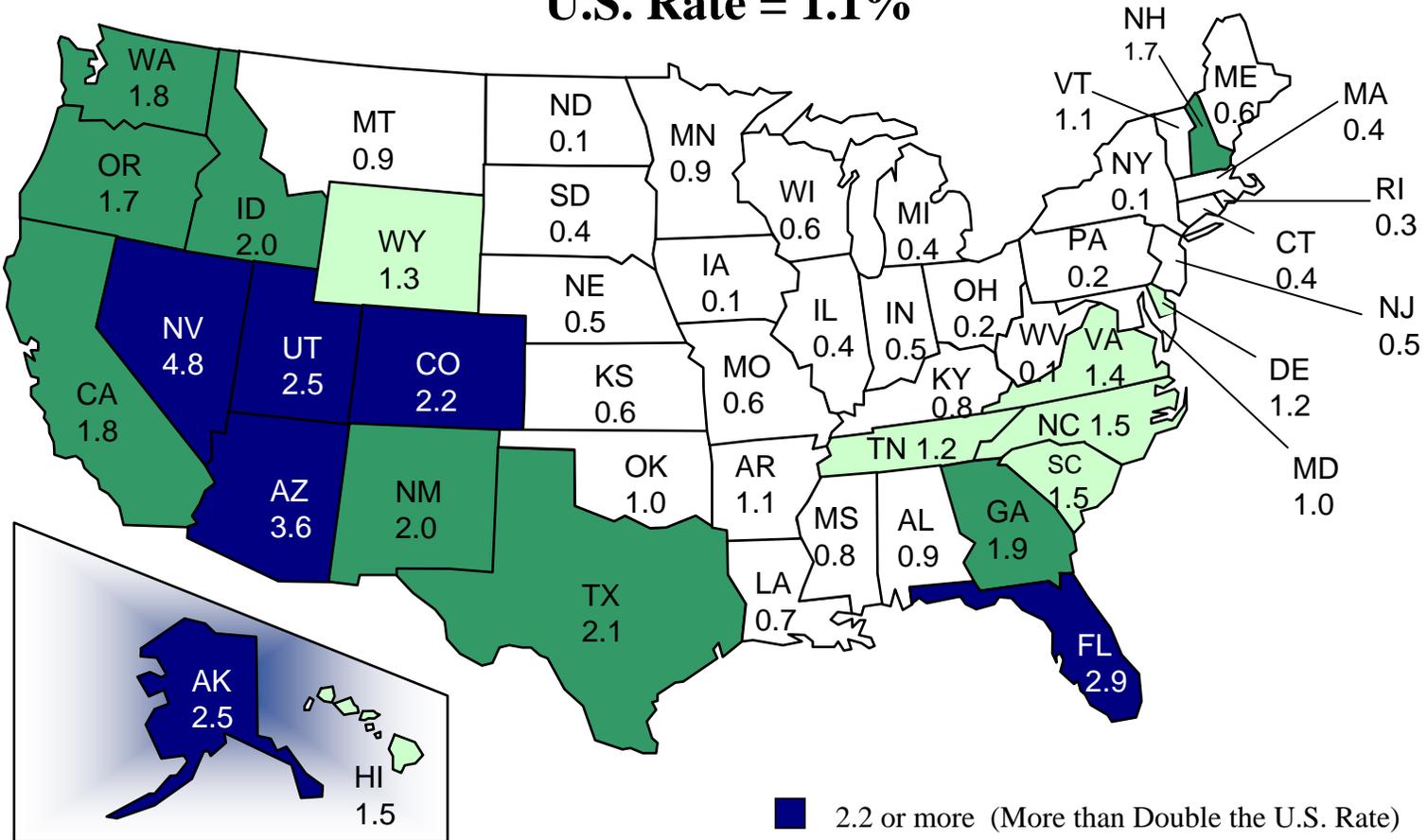
1. Nevada..... 66.3%
2. Arizona.....40.0%
3. Colorado.....30.6%
4. **Utah.....29.6%**
5. Idaho..... 28.5%
6. Georgia.....26.4%
7. Florida.....23.5%
8. Texas.....22.8%
9. North Carolina.....21.4%
10. Washington.....21.2%

Seven of the top ten fastest growing states are located in the West.

Even in the Long Term, Utah's Population Growth is Among the Fastest in the Nation

Annual Average Percent Change in Population for States : 1970 to 2000

U.S. Rate = 1.1%

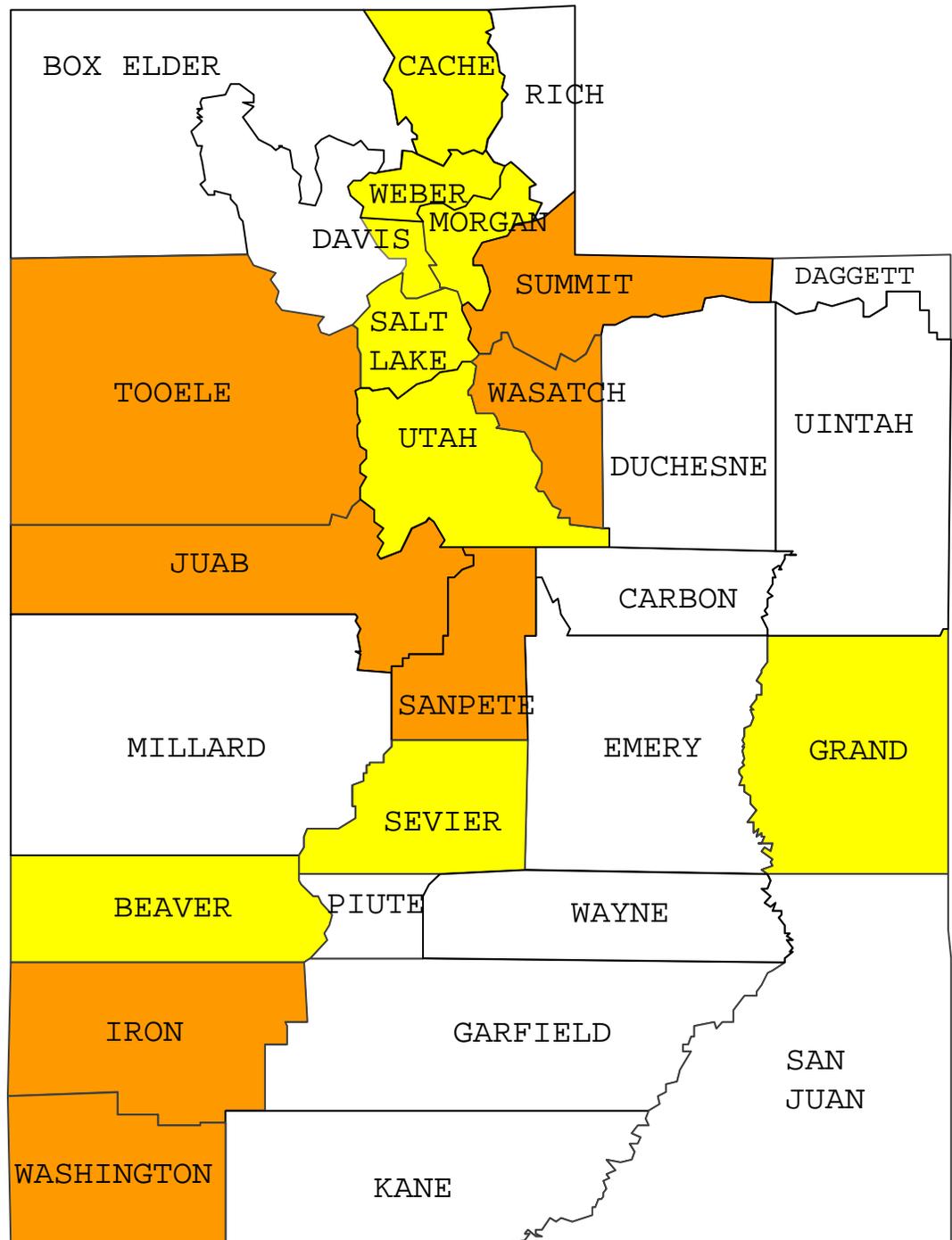
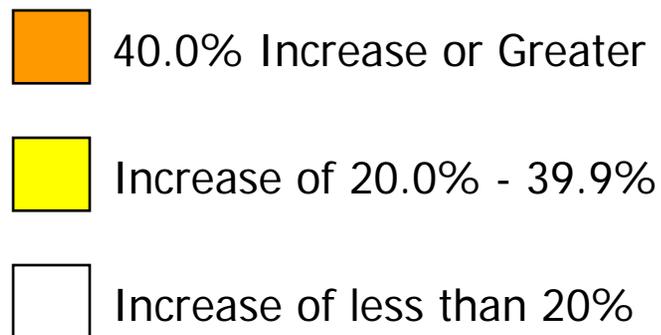


Source: U.S. Census Bureau

Utah was the 4th Fastest Growing State from 1970 to 2000

| | | |
|-----|-------------|---------------|
| 1. | Nevada | 308.9% |
| 2. | Arizona | 189.0% |
| 3. | Florida | 135.3% |
| 4. | Utah | 110.8% |
| 5. | Alaska | 107.2% |
| 6. | Colorado | 94.7% |
| 7. | Texas | 86.2% |
| 8. | Idaho | 81.5% |
| 9. | New Mexico | 78.9% |
| 10. | Georgia | 78.4% |

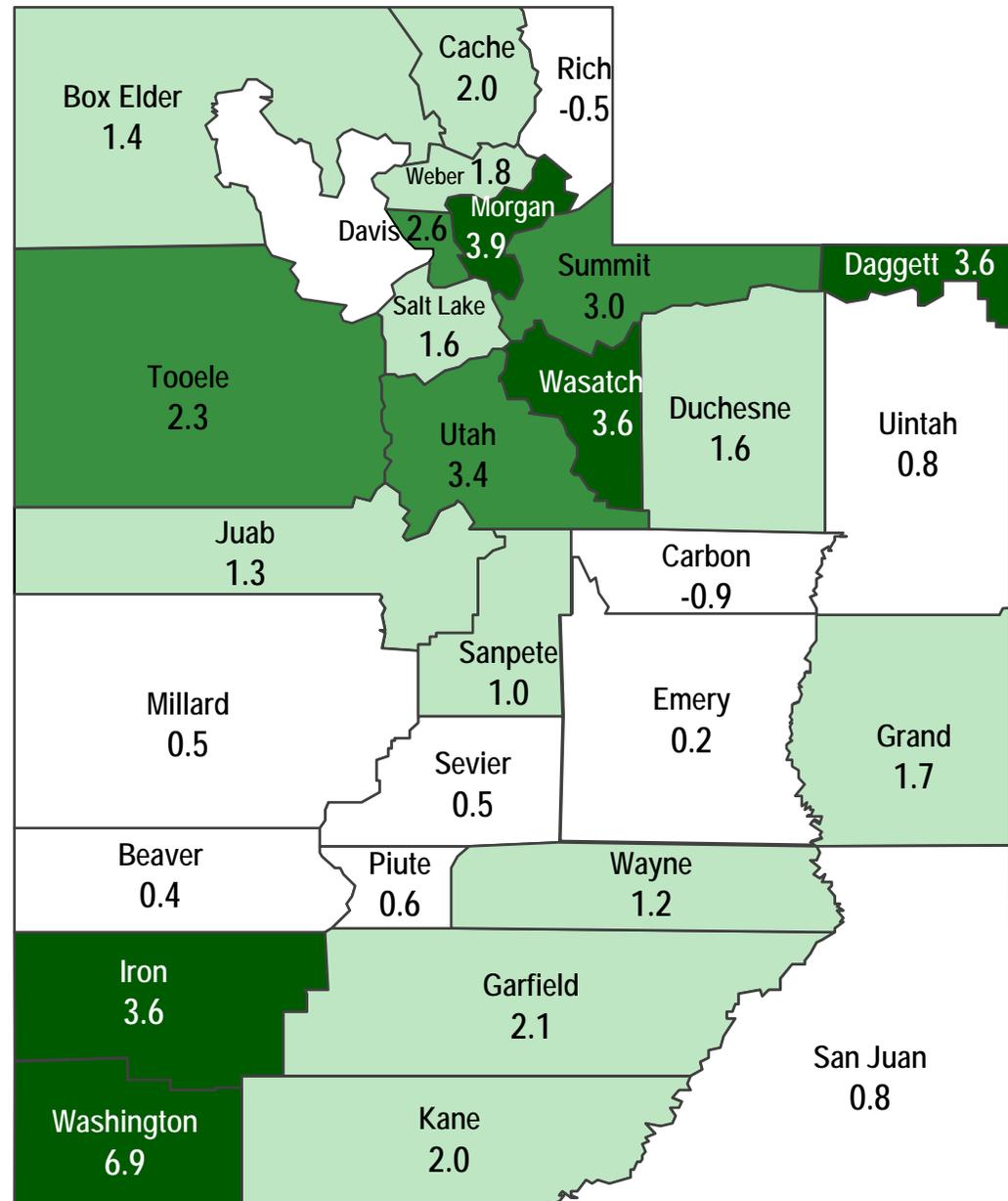
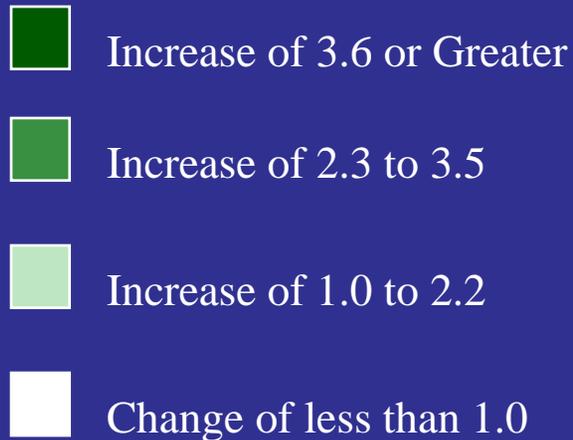
Utah's Fastest Growing Counties 1990 - 2000



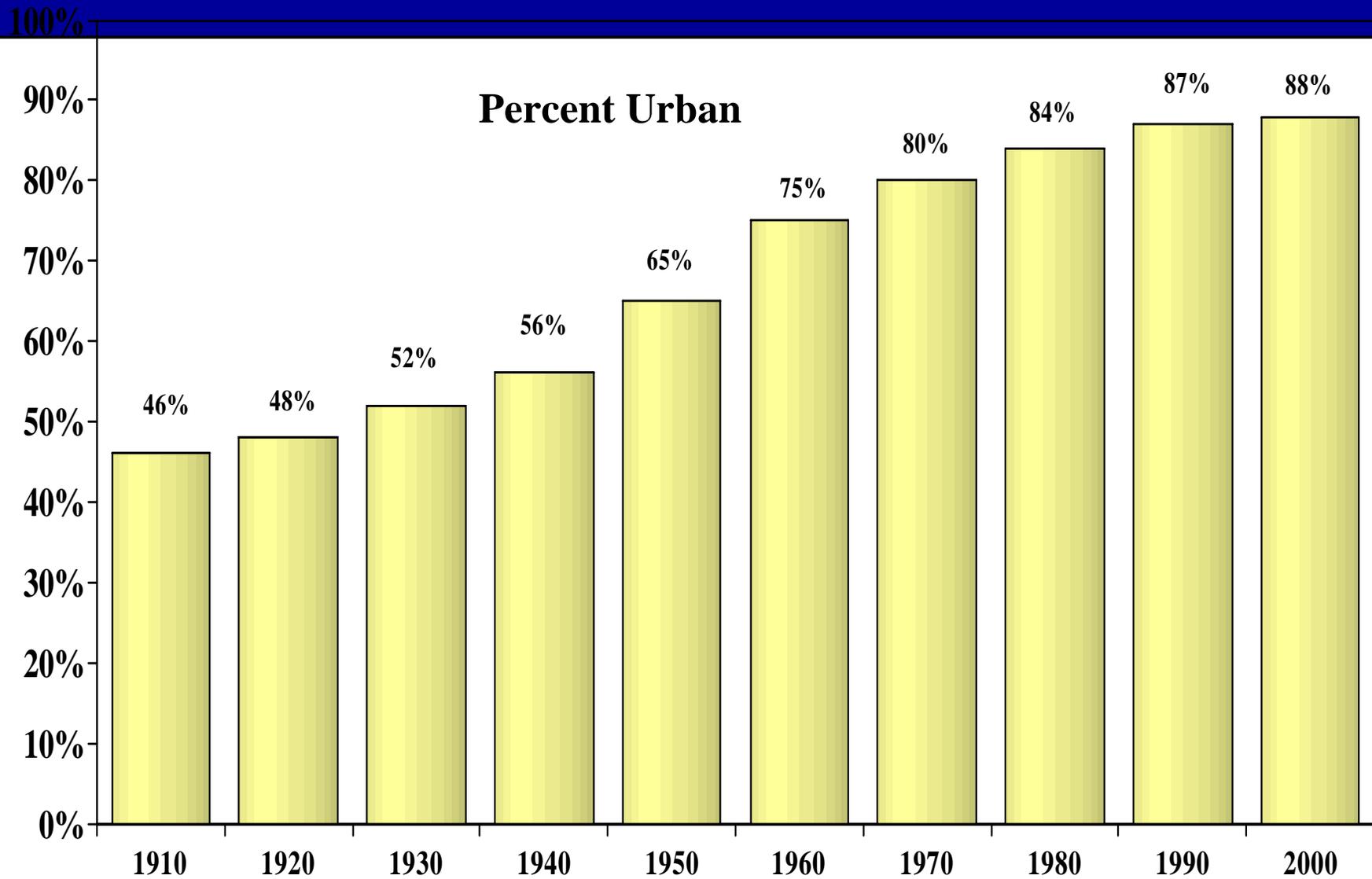
Source: US Census Bureau

Utah Population Growth Rates By County 2003 to 2004

State Average = 2.3%



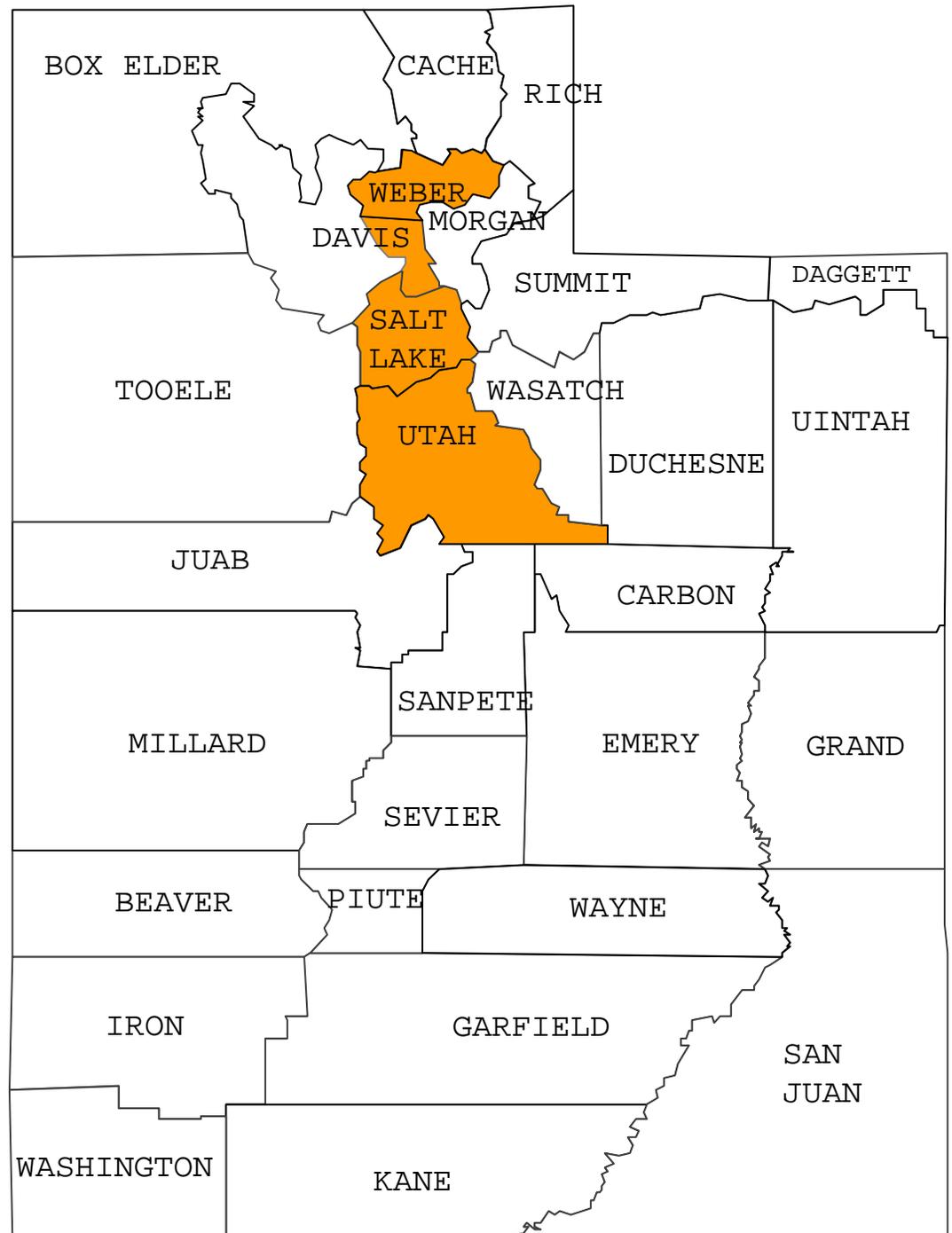
Utah is an Urban State



Source: U.S. Census Bureau

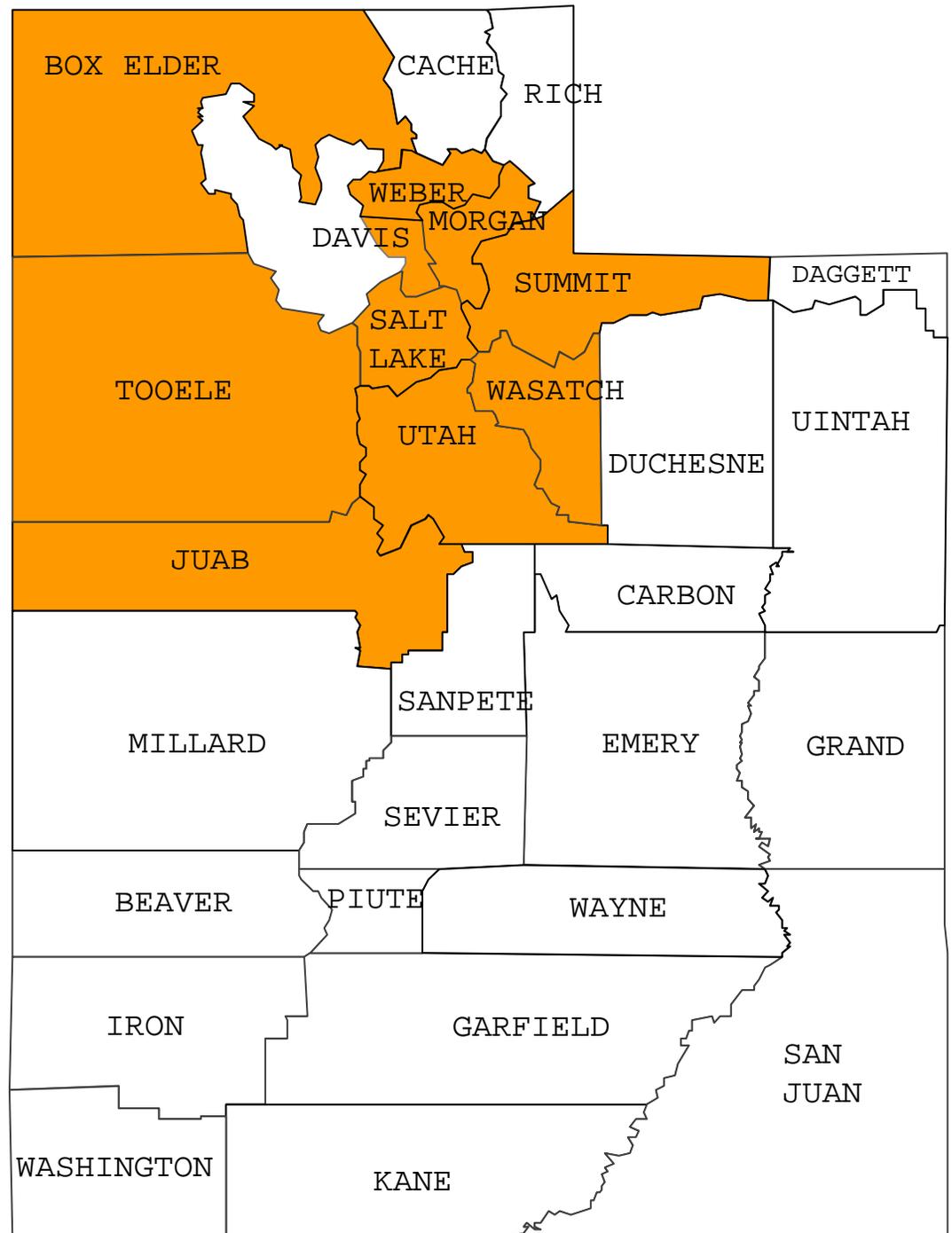
Utah's Population Centers

- **These counties are home to 1,813,669 residents, or 76% of the state's population.**
- **Three out of every four people in Utah live along the Wasatch Front.**



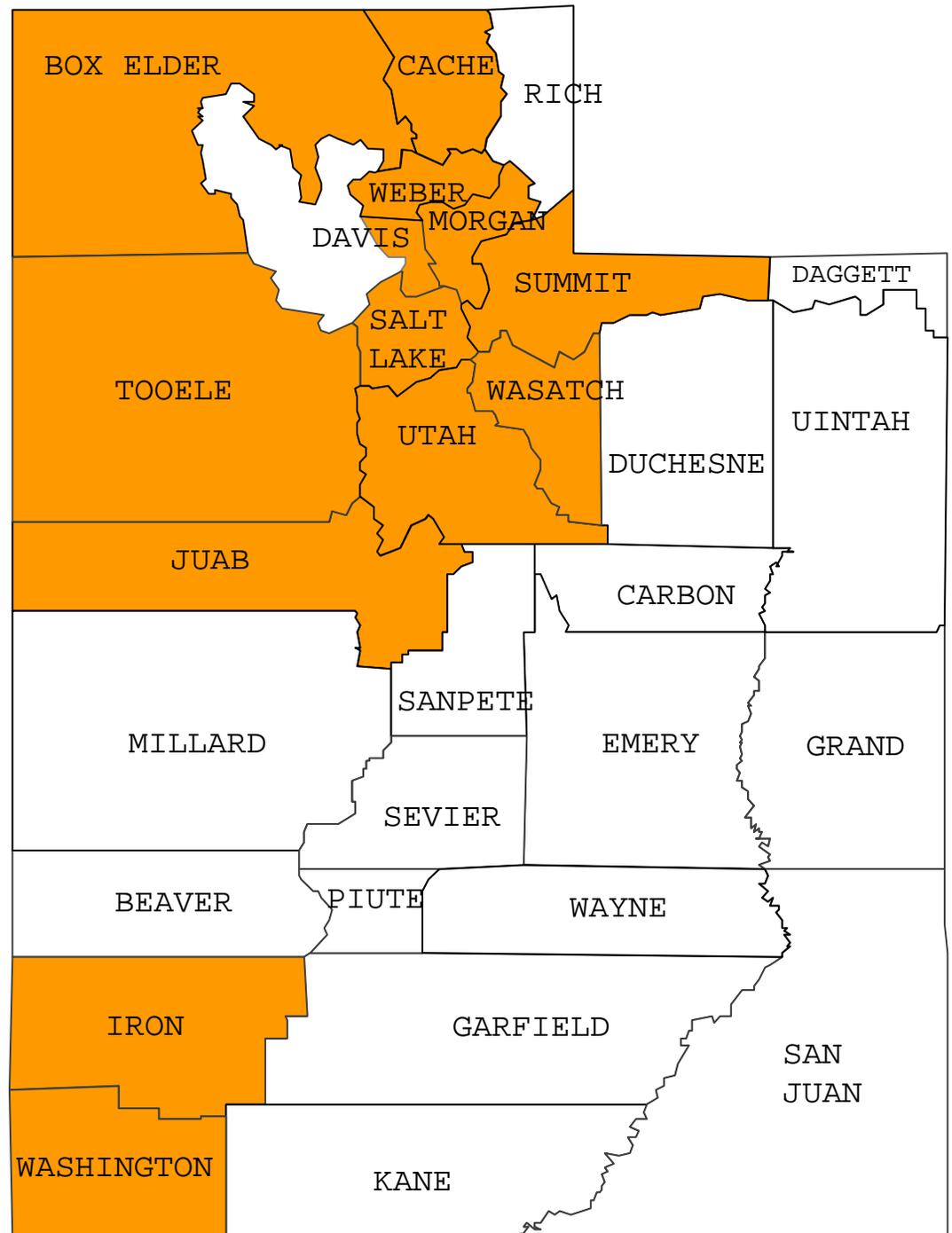
Utah's Population Centers

- **These counties are home to 1,973,207 residents, or 83% of the state's population.**



Utah's Population Centers

- **These counties are home to 2,169,373 residents, or 91% of the state's population.**

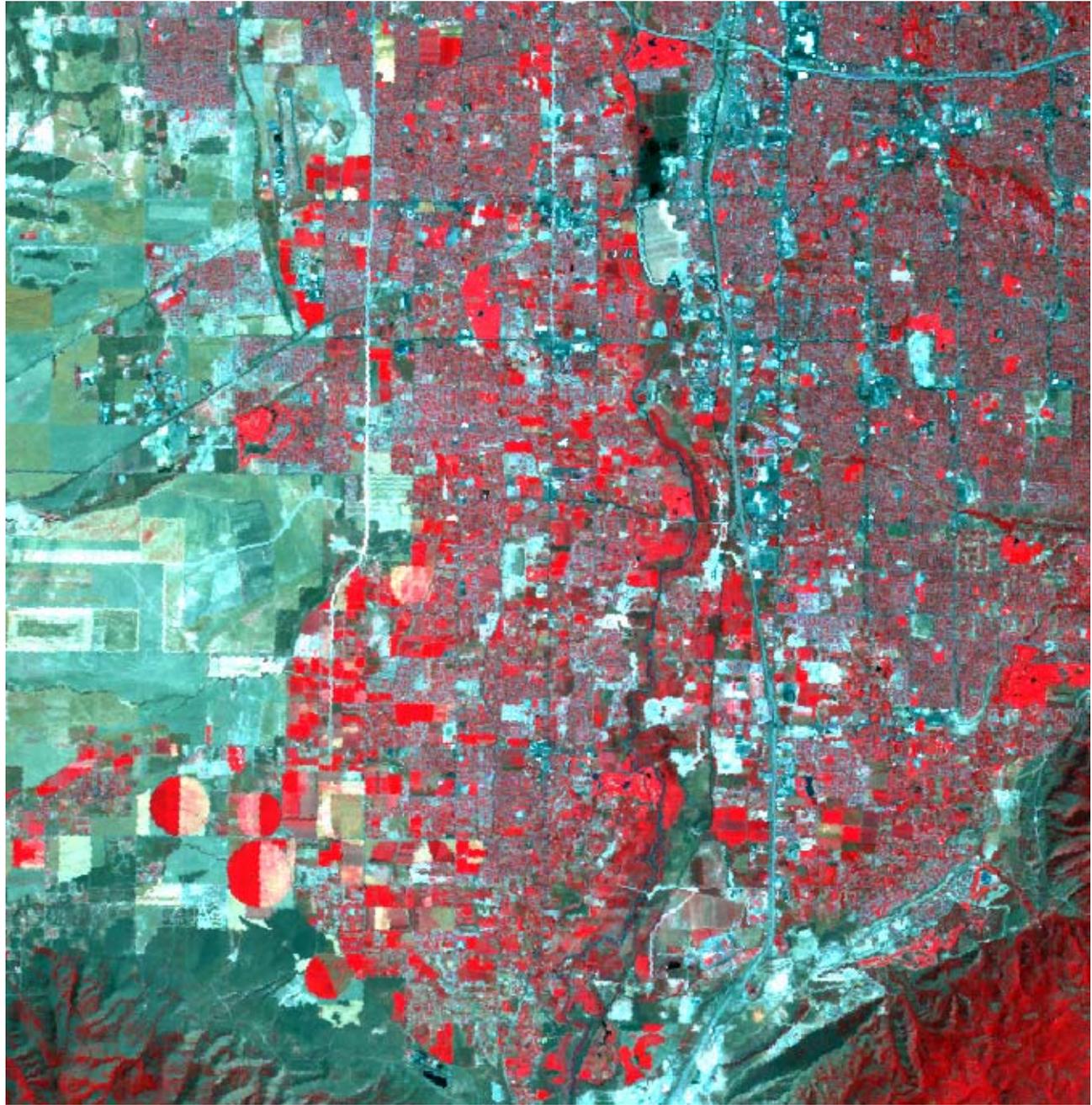


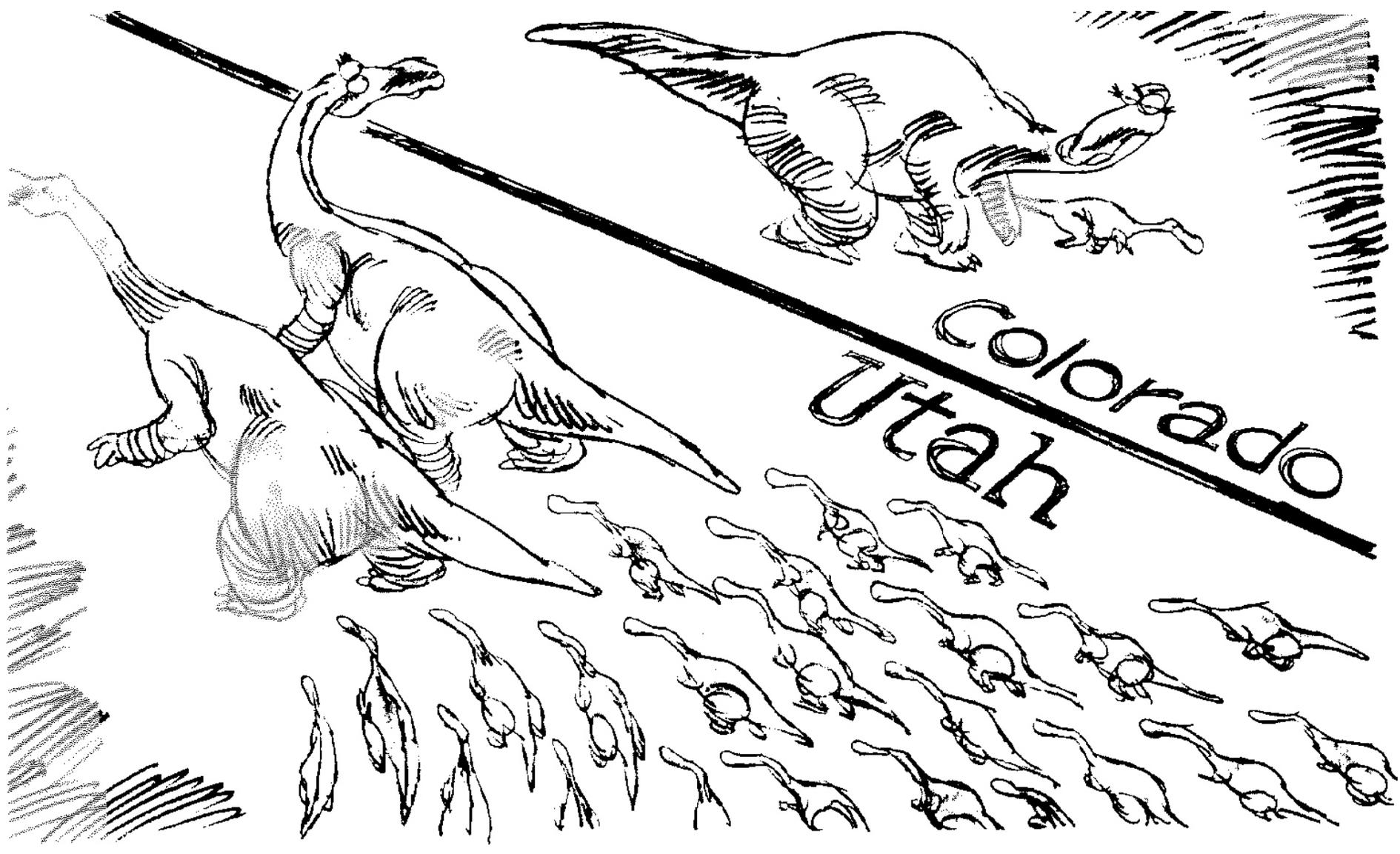
1972

1982

1993

1997





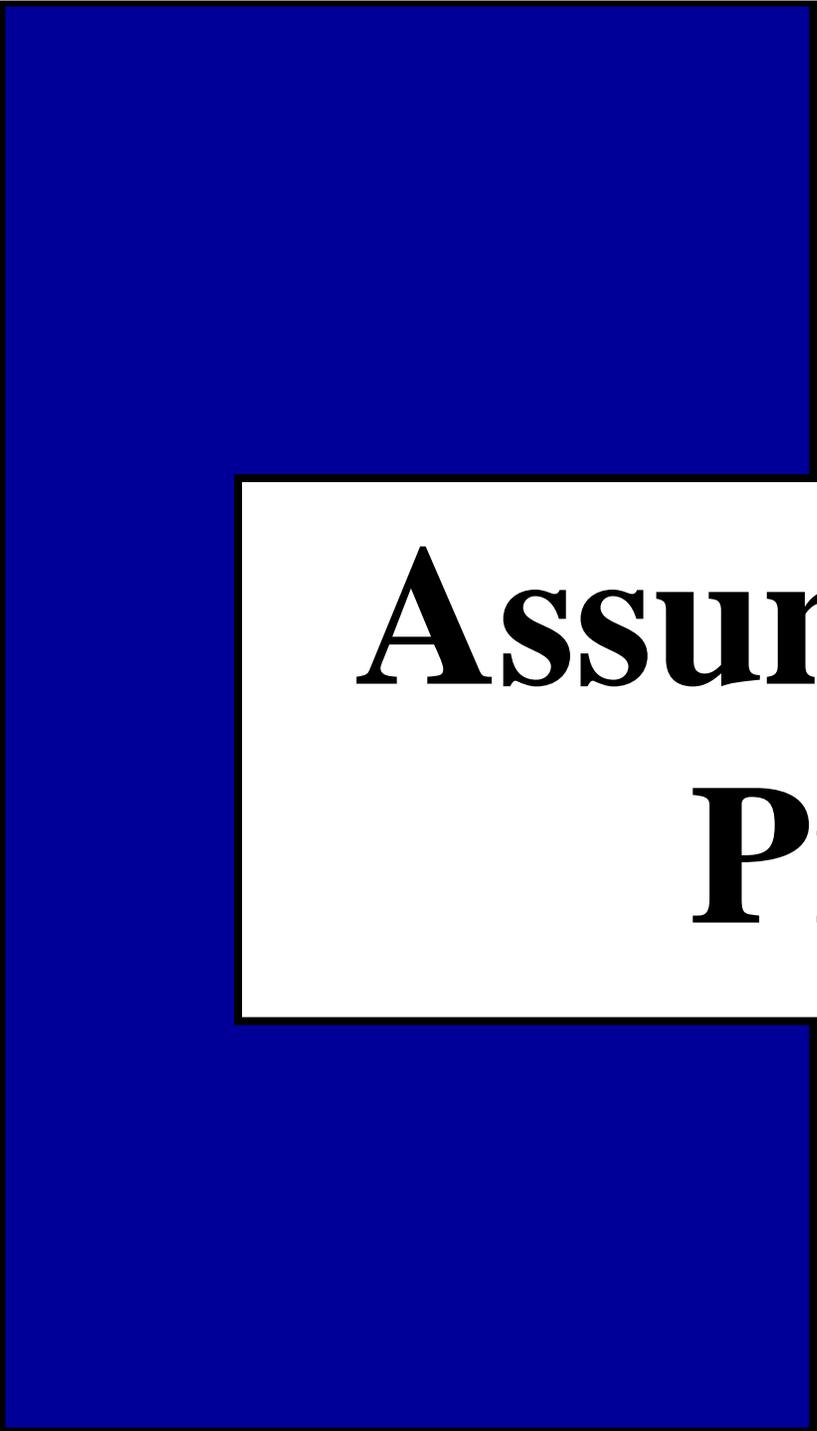
Utah
Colorado

Utah has the Largest Households in the Nation

Average U.S. Household Size: 2.59

| | |
|-------------------------|-------------|
| Utah | 3.13 |
| Hawaii | 2.92 |
| California | 2.87 |
| Alaska | 2.74 |
| Texas | 2.74 |
| Maine | 2.39 |

A “household” is a person or group of persons who live in a housing unit. These equal the count of occupied housing units in a census.



Assumptions & Process

2005 Baseline

- Last Baseline was in 2002
- 2005 Baseline was released in the 2005 Economic Report to the Governor
- Produced with REMI Model

Growth Analysis

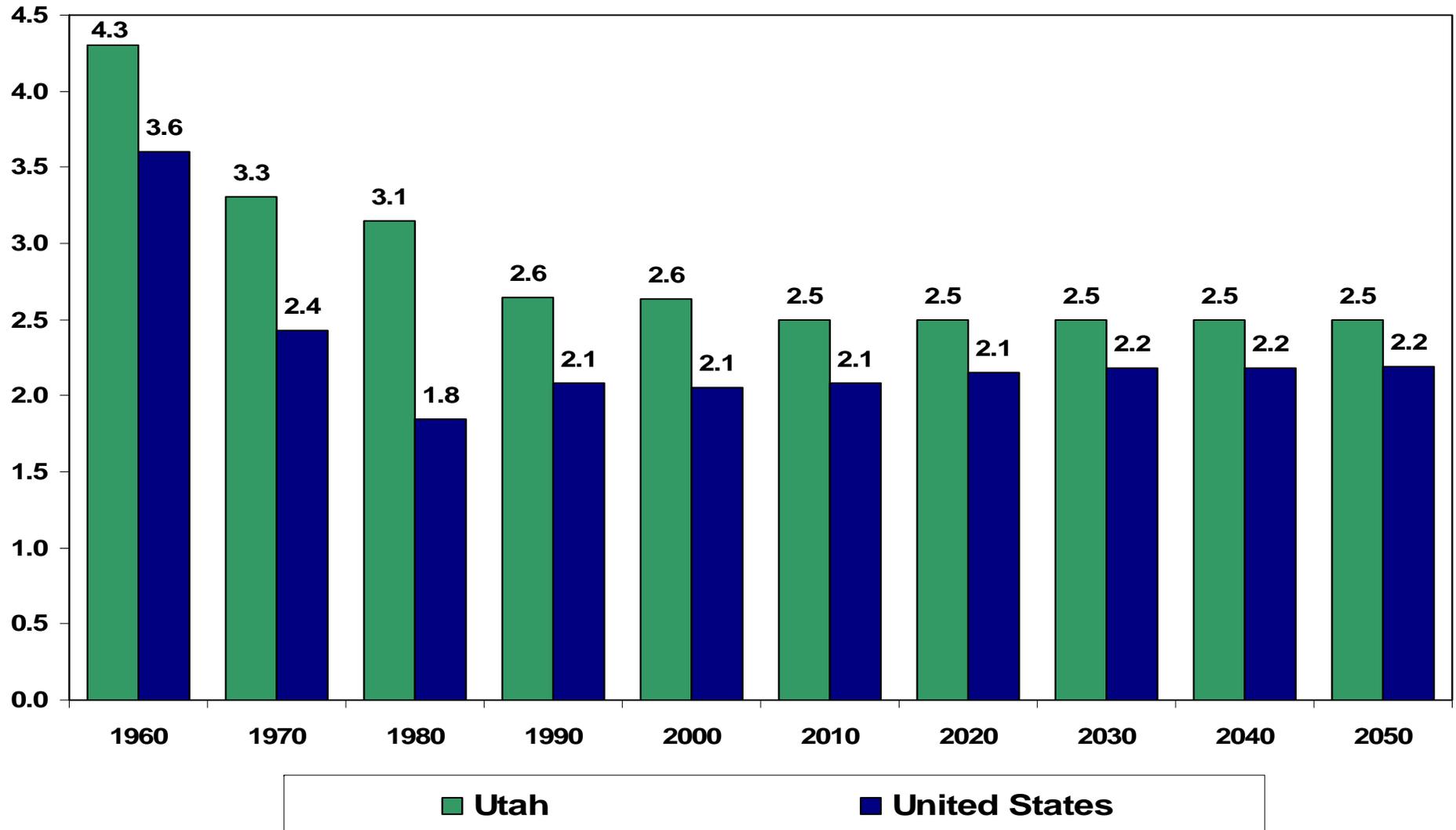
- Population growth is a combination of migration and natural increase.
- Employment drives migration.
- National employment is projected based on U.S. Census Bureau population projections.

Long-Run Assumptions

- Survival
 - Survival Rates are assumed to increase along with projected U.S. survival rates
- Fertility
 - State level birth probabilities by age are assumed to remain constant to their current estimated levels

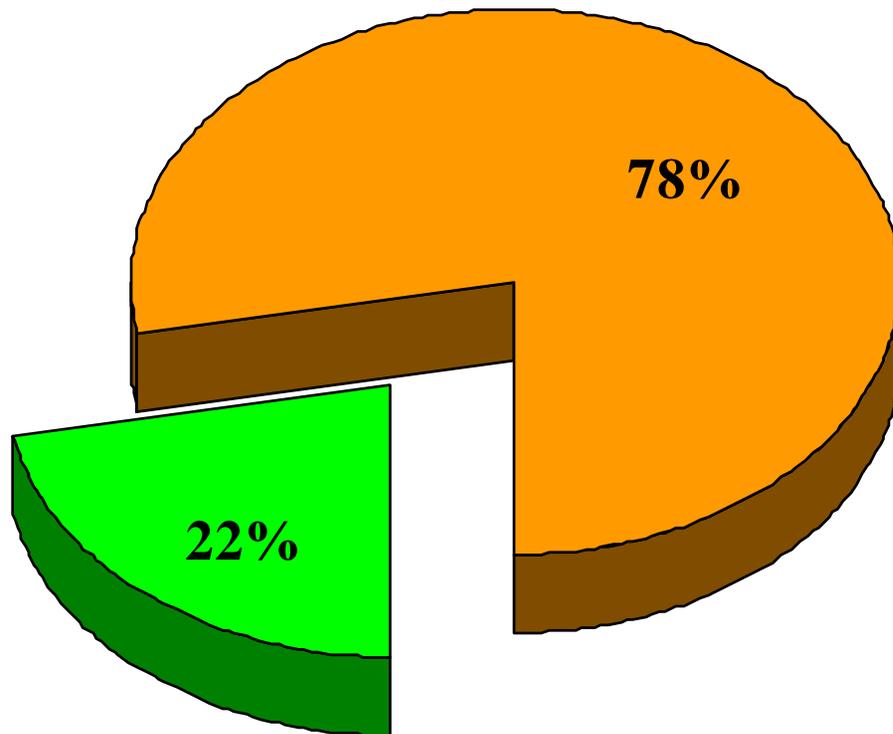
Long-Run Assumptions

Fertility Rates for Utah and the U.S.



Components of Change

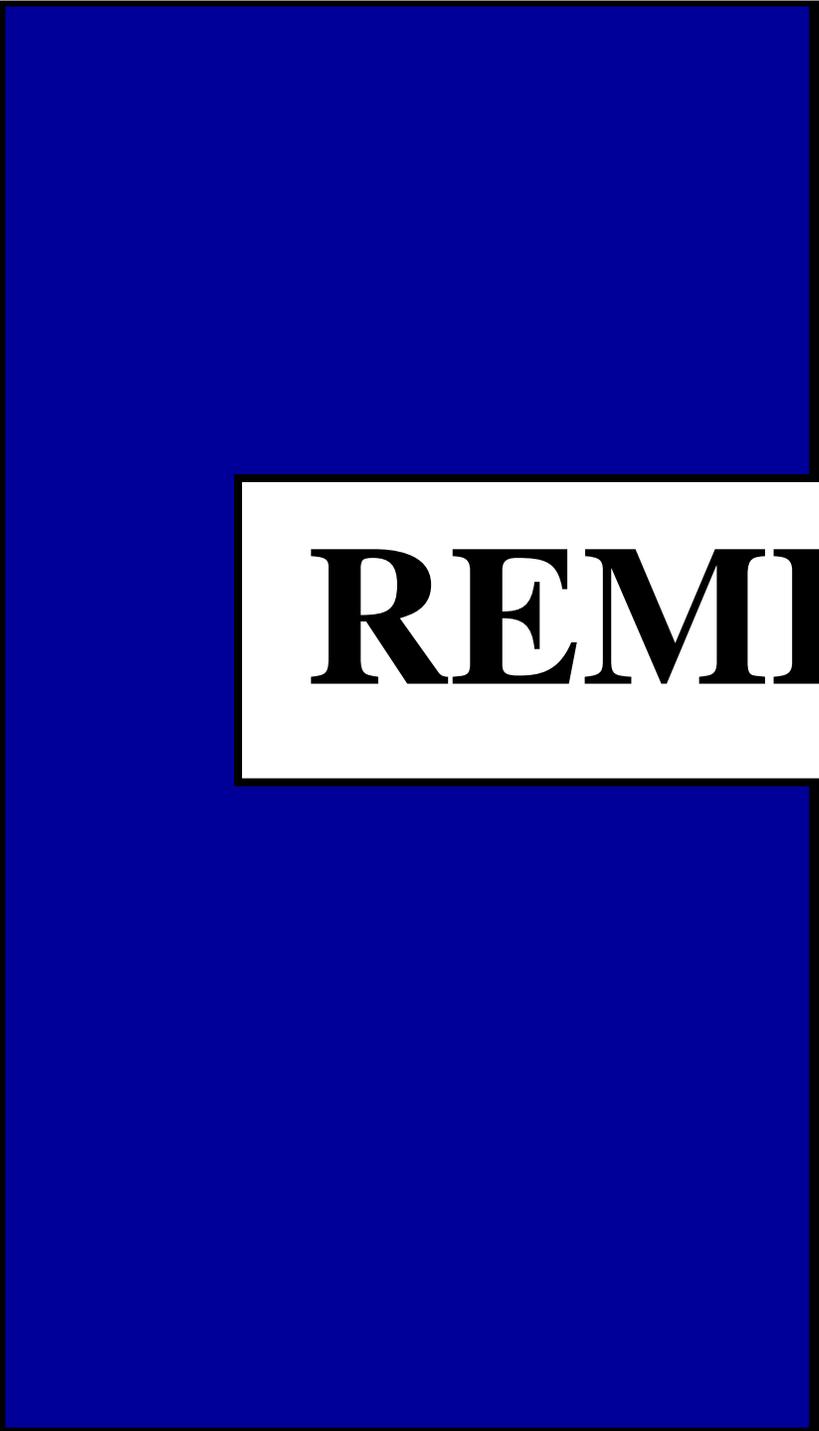
1950-2004



■ Migration

■ Natural Increase

- Migration contributed 22% of population increase from 1950 – 2004
- During the 1990s, migration rose to 36%.
- Migration projected to be 26% from 2005 – 2035



REMI Overview

What is REMI Policy Insight?

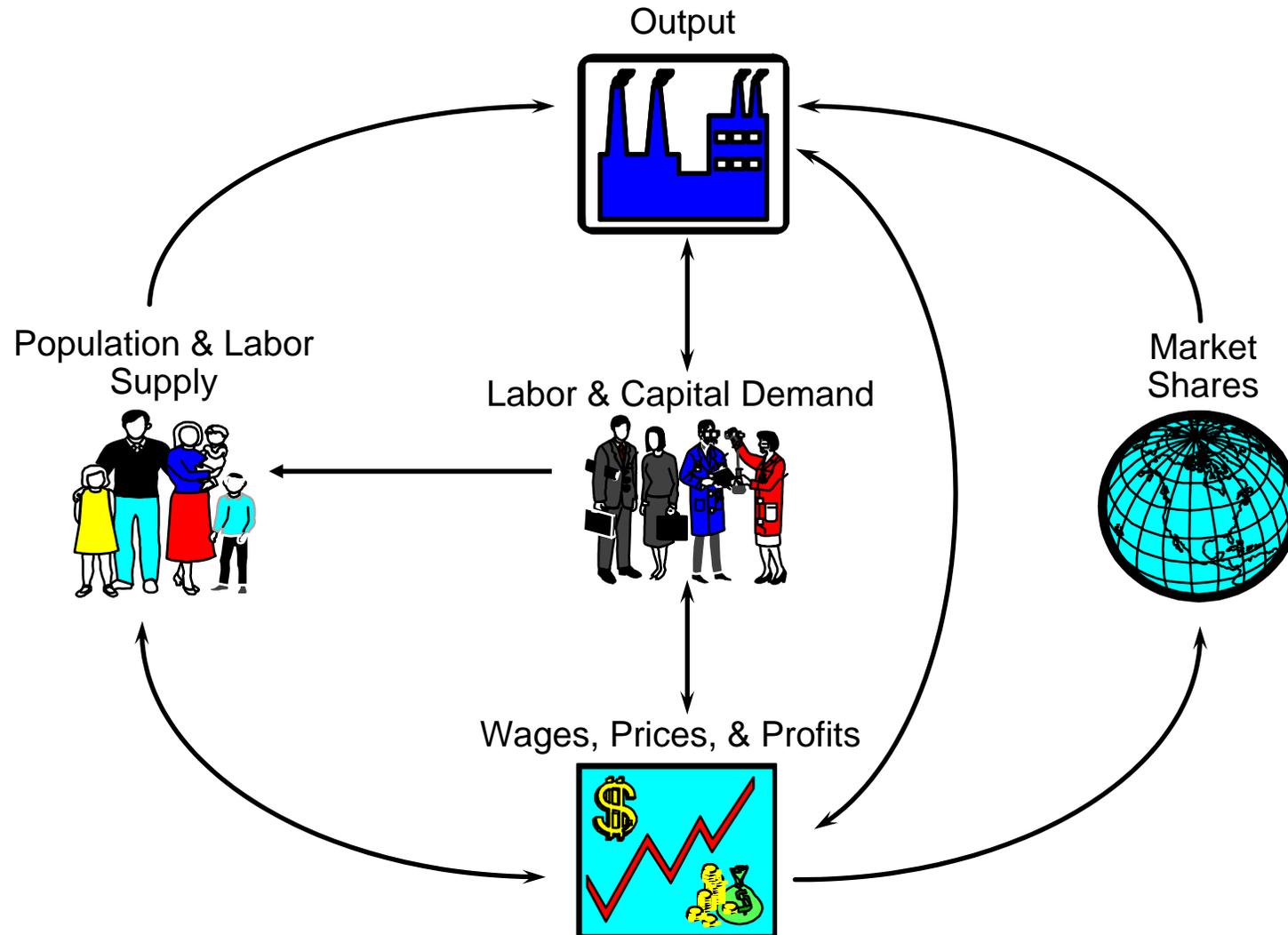
- A valuable tool for economic and demographic forecasting
- The REMI model can be customized by
 - Sector
 - Geographic configuration

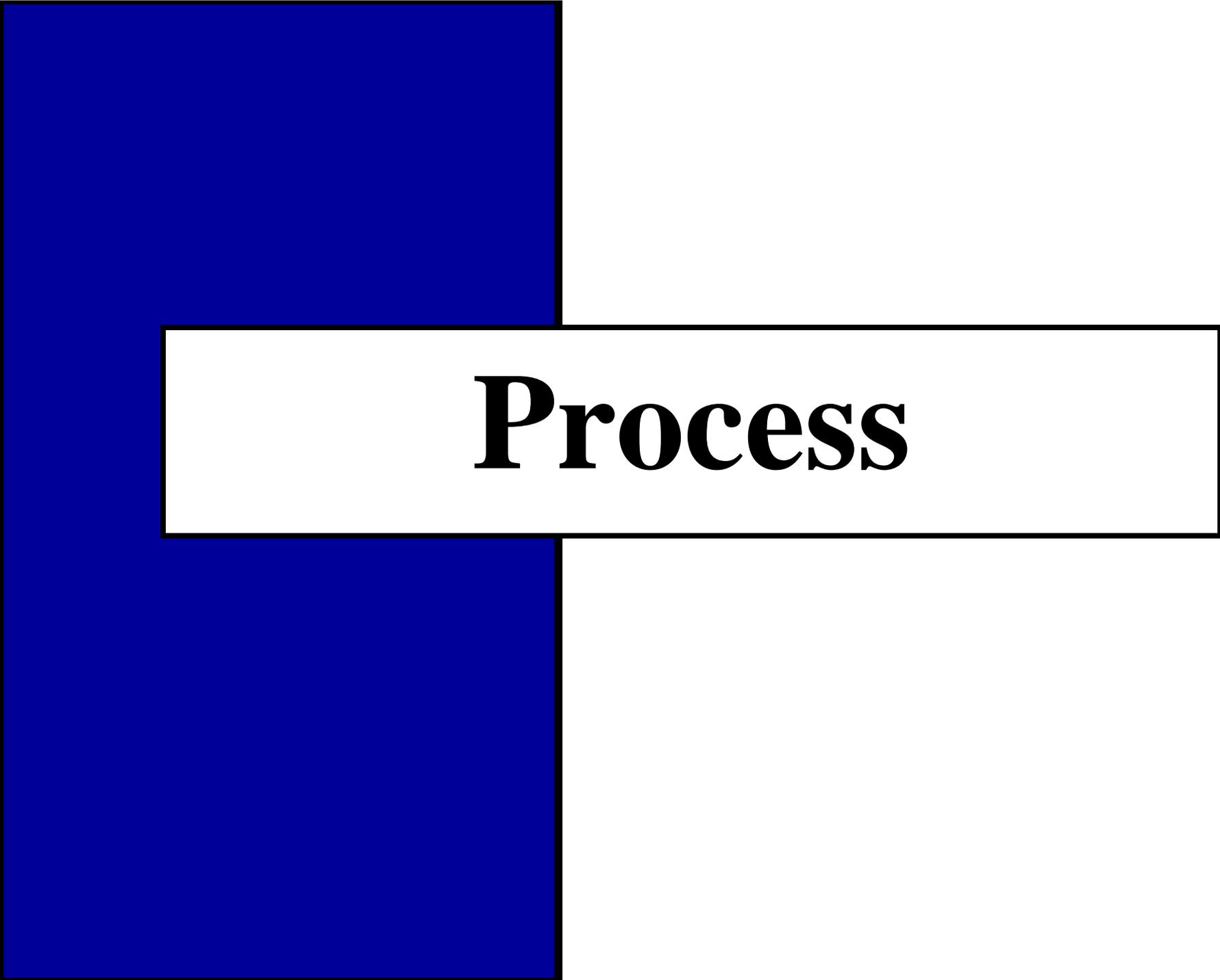
Key REMI Policy Insight Features

Based on Economic Theory and all inter-industry linkages

- ✓ Includes New Economic Geography Theory
- ✓ Is calibrated and estimated using regional data
- ✓ Is dynamic and predicts when results will occur
- ✓ Structural cause & effect relationships explain results
- ✓ Optional alternative structures allow sensitivity tests
- ✓ Is the leading Policy Analysis model in the U.S.

REMI Model Structure



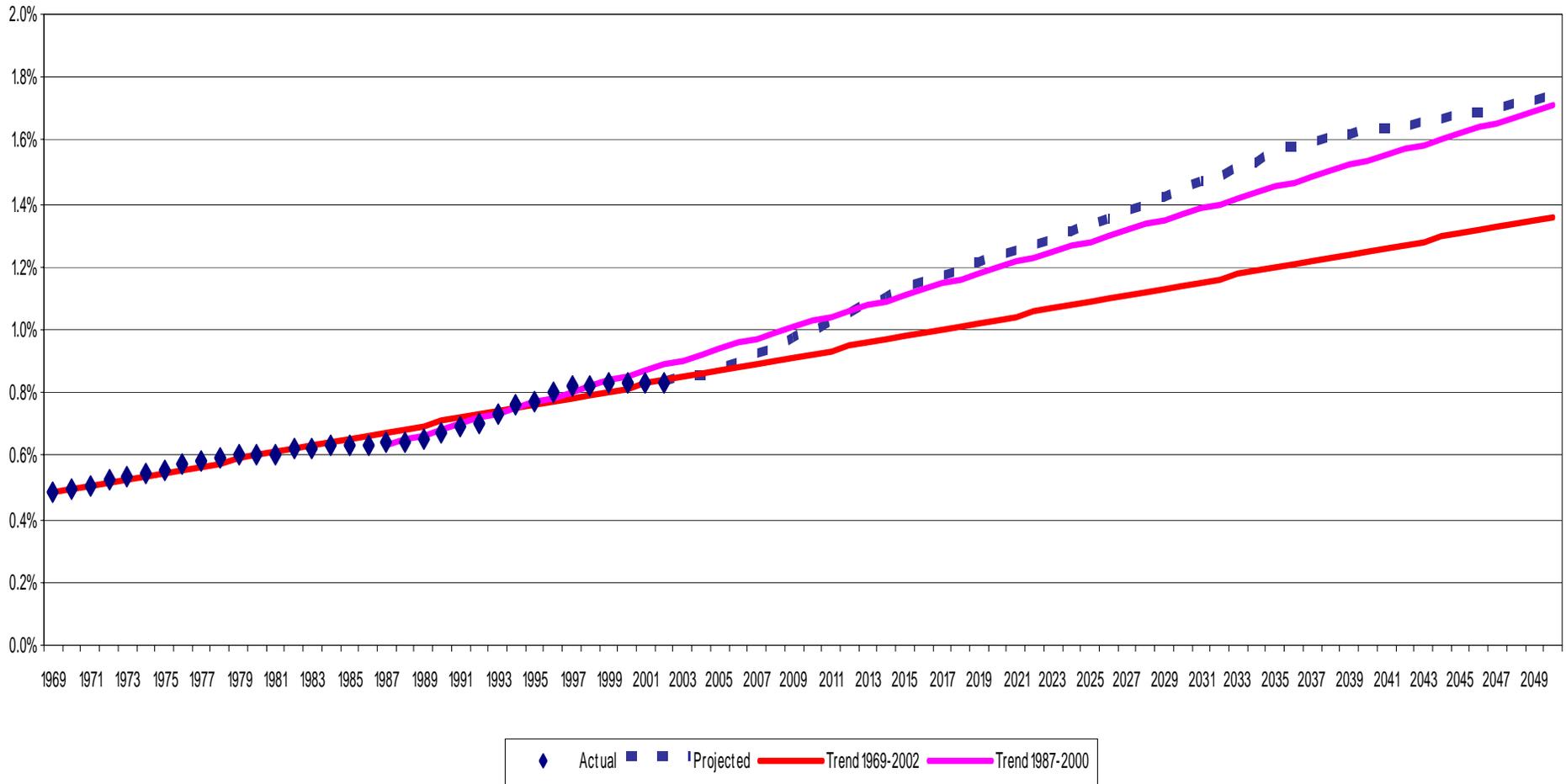


Process

2005 Baseline Process

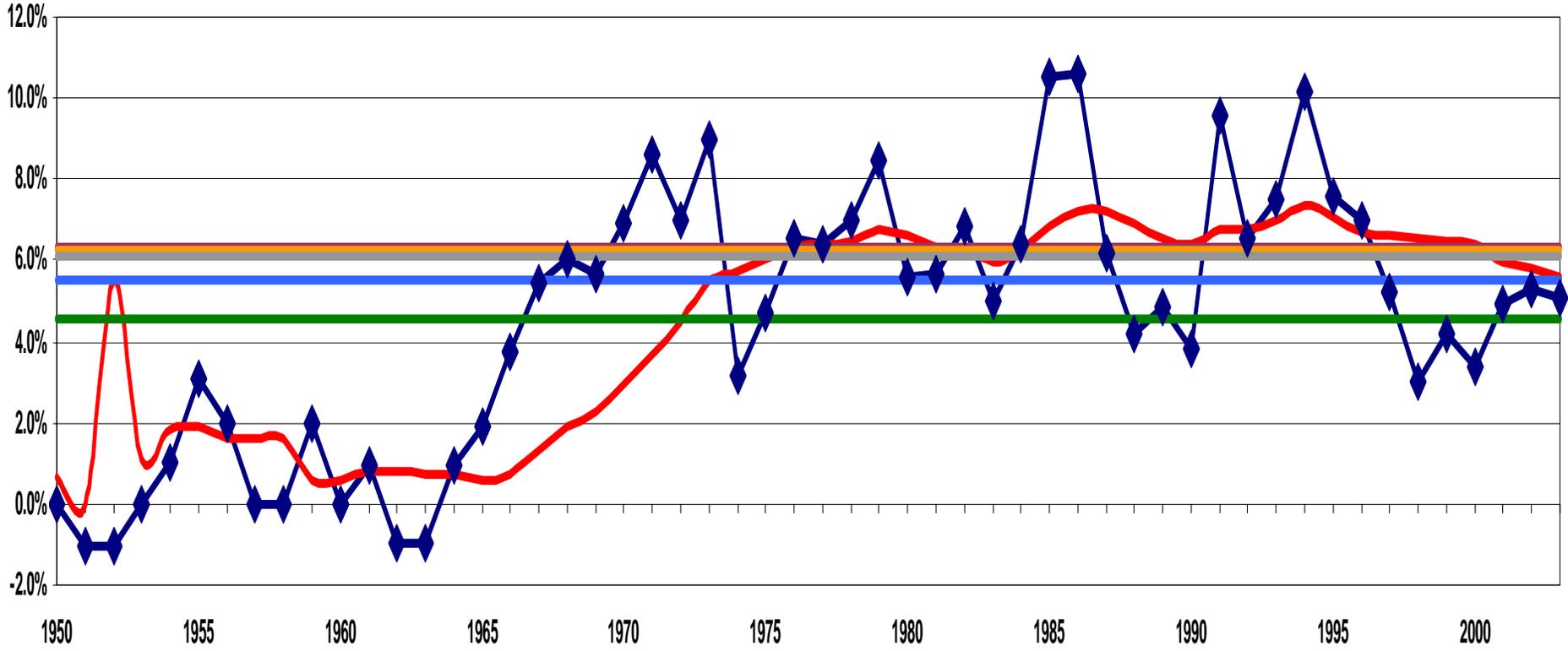
- Begin with the state model
 - Incorporate employment using employment update
 - Incorporate fertility assumptions using policy variable selection
- Disaggregate to the counties using the multi region county model
- Testing and review to assure believability

Utah's Share of US Employment NAICS

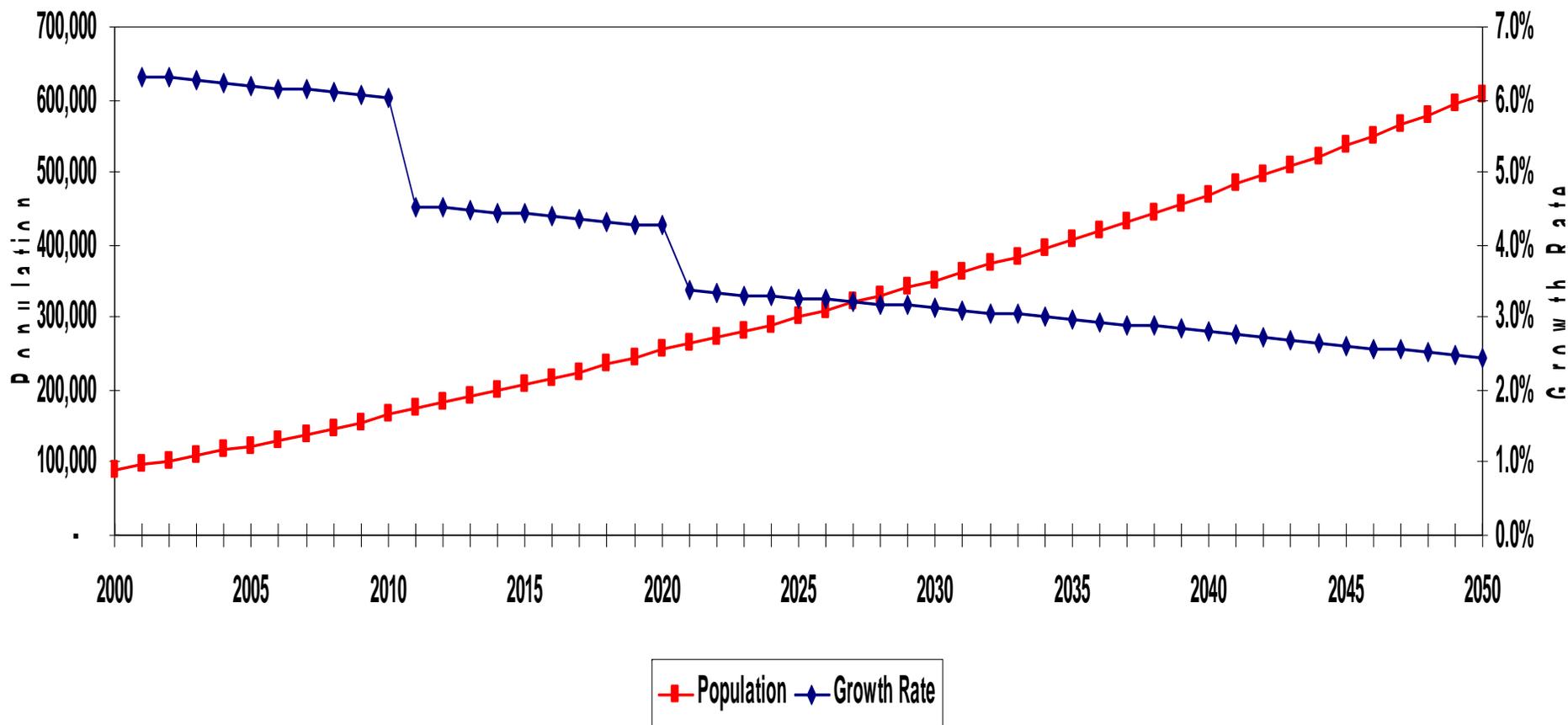


The employment projection is based on a trend analysis of Utah's historical share of national employment.

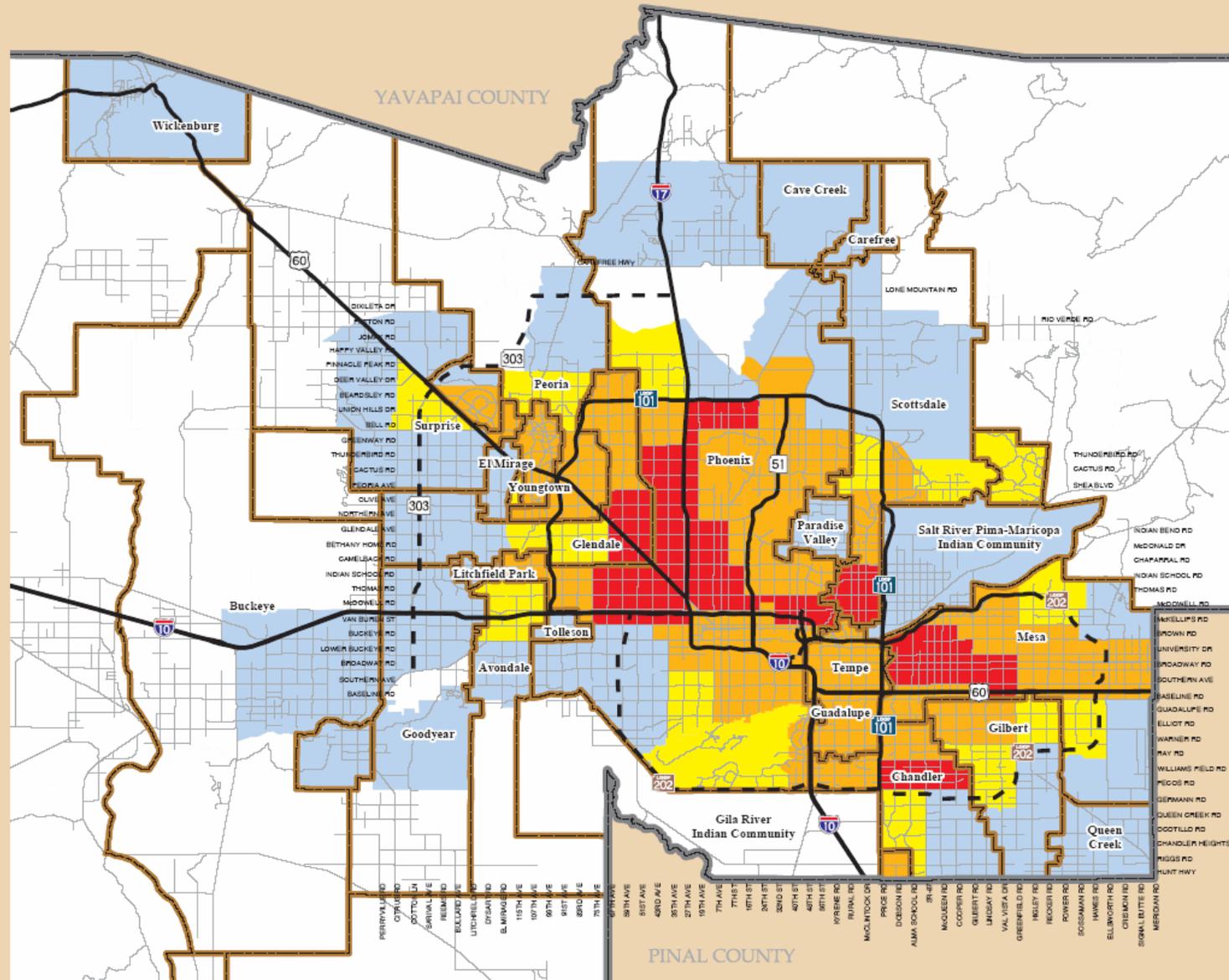
Washington County Population Growth Analysis



Washington County Population Projection



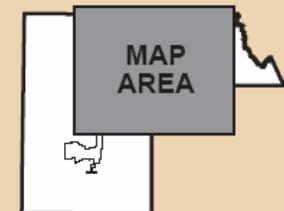
2000 Population Density for Interim Socioeconomic Projections by RAZ*



People Per Square Mile
(Maricopa County Average = 336)

- 0 - 50
- 50 - 1000
- 1000 - 2000
- 2000 - 5000
- More than 5000

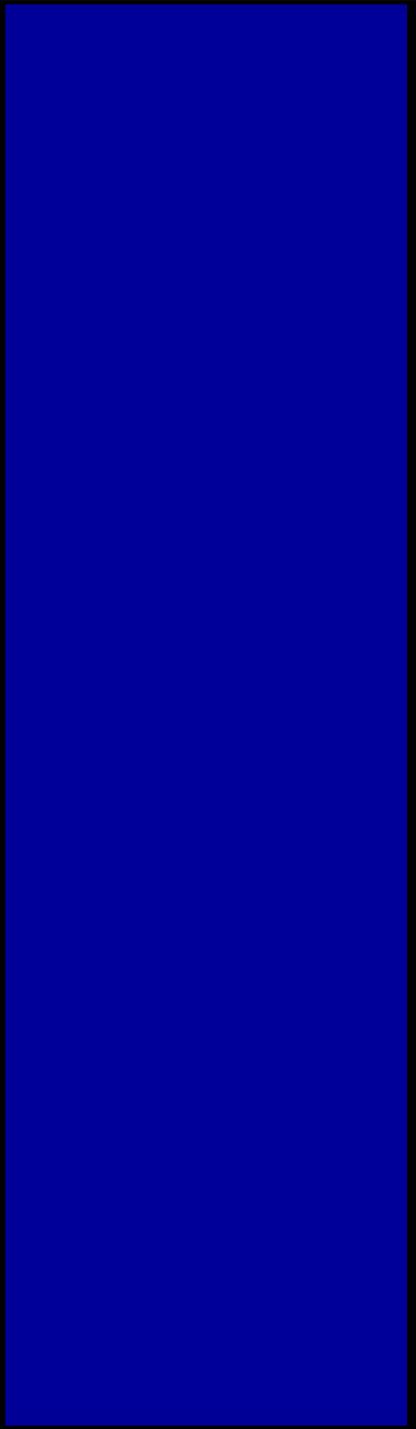
- County Boundary
- MPA Boundaries
- Existing Freeways/Expressways
- Planned Freeways/Expressways
- Major Roads



While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

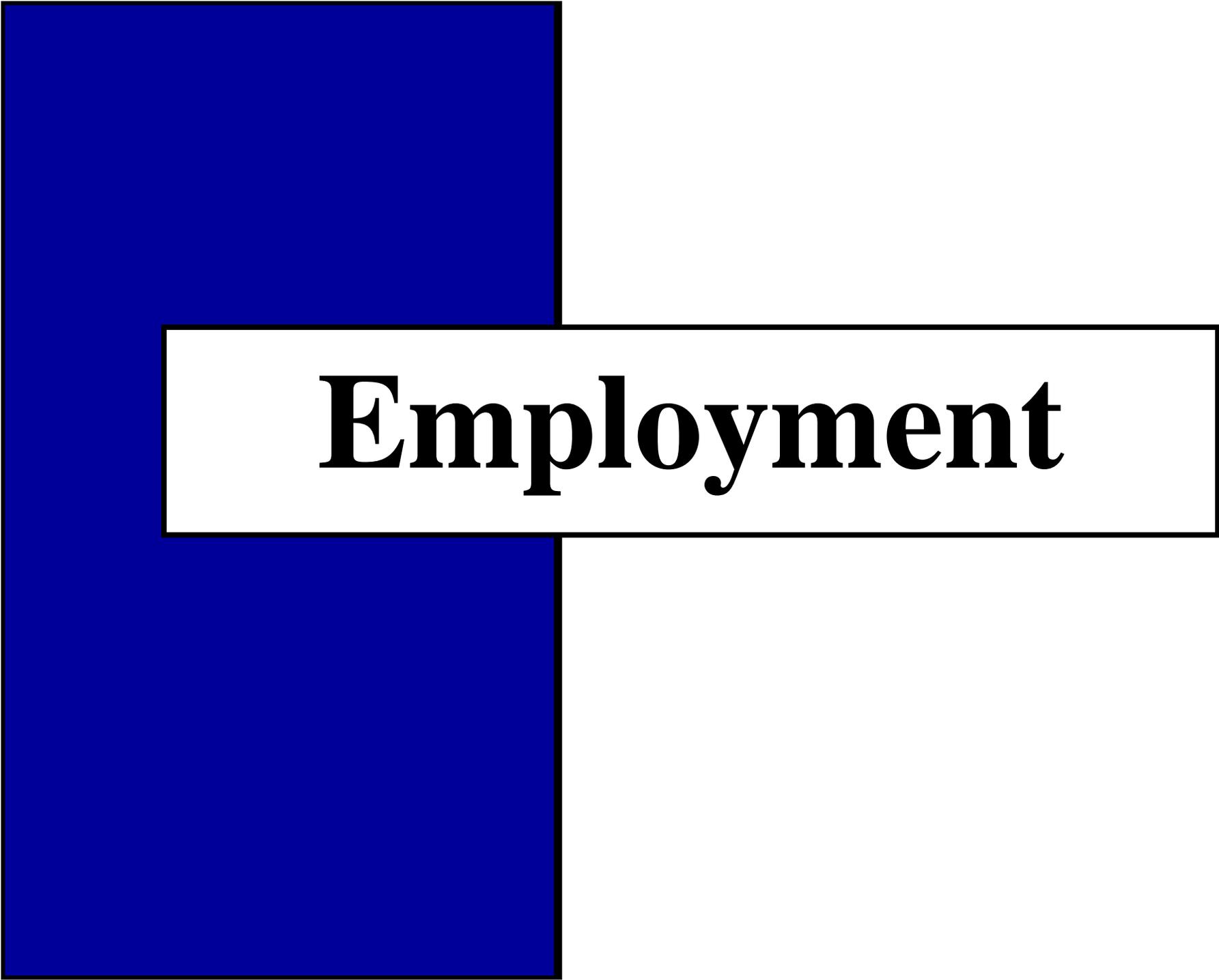


*Based on Interim projections by Municipal Planning Area (MPA) and Regional Analysis Zone (RAZ) for 2010, 2020, 2025 and 2030 accepted by MAG Regional Council on June 25, 2003.



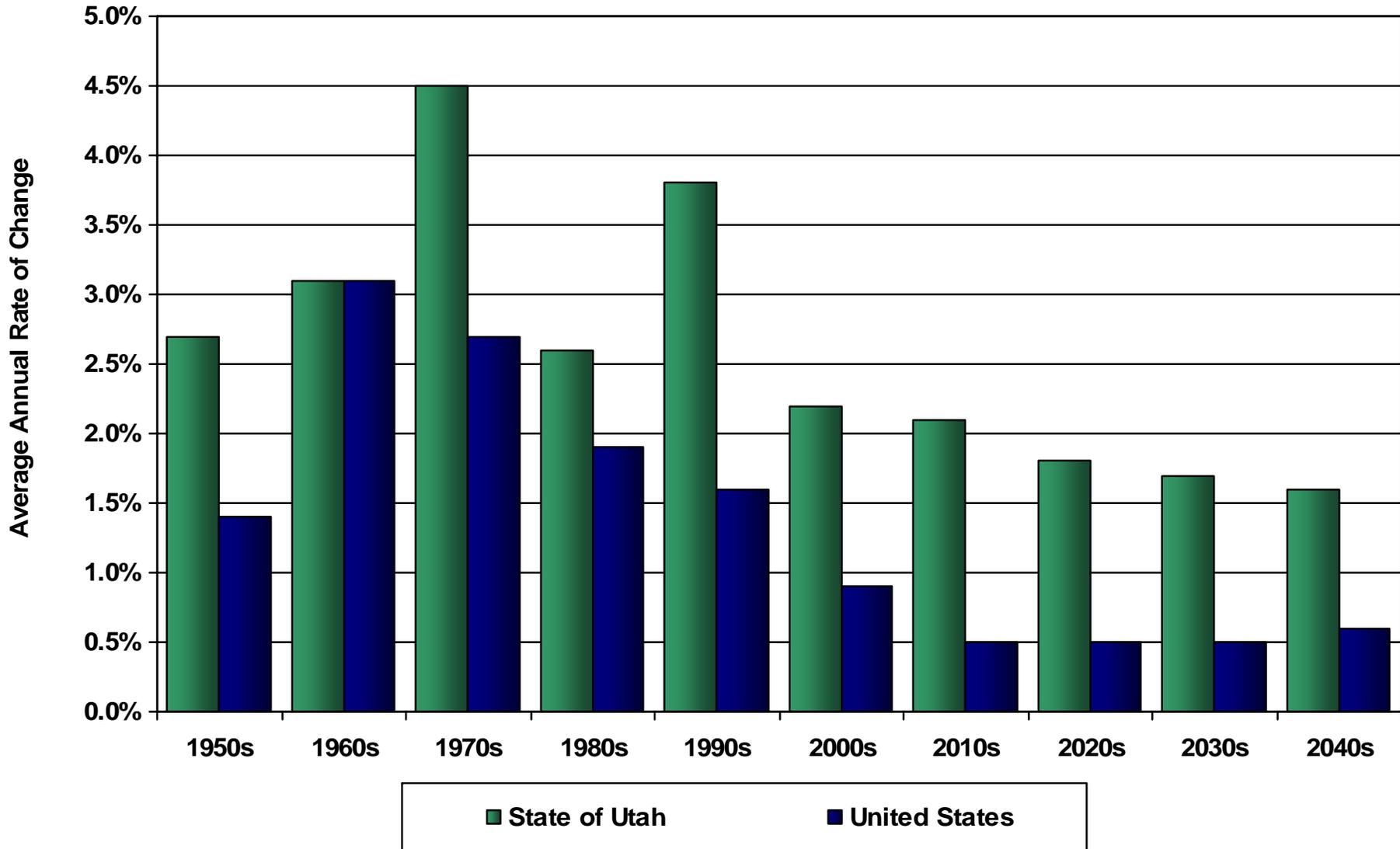
Results

- Employment
- Demographics

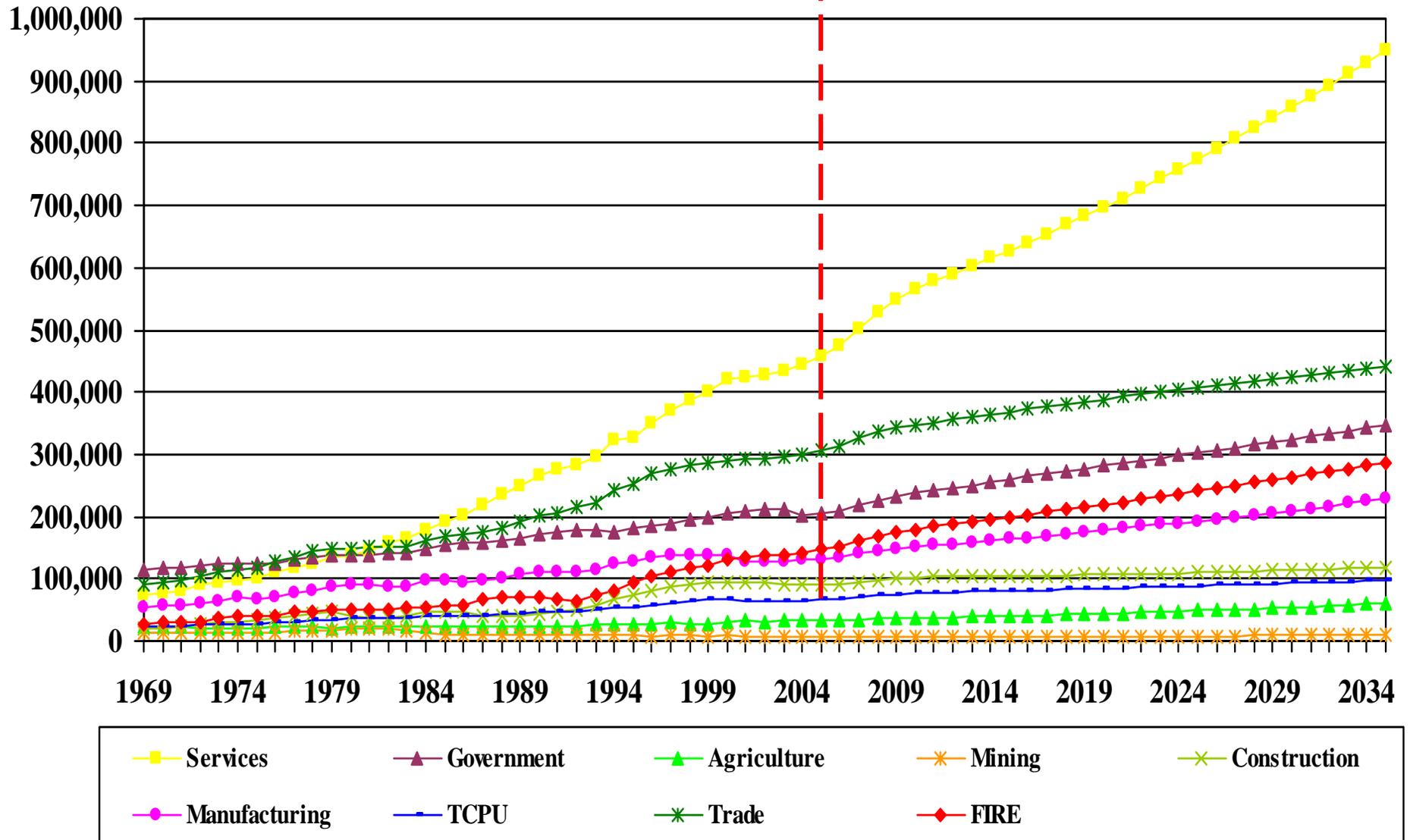


Employment

Total Employment Growth by Decade for Utah and the U.S.

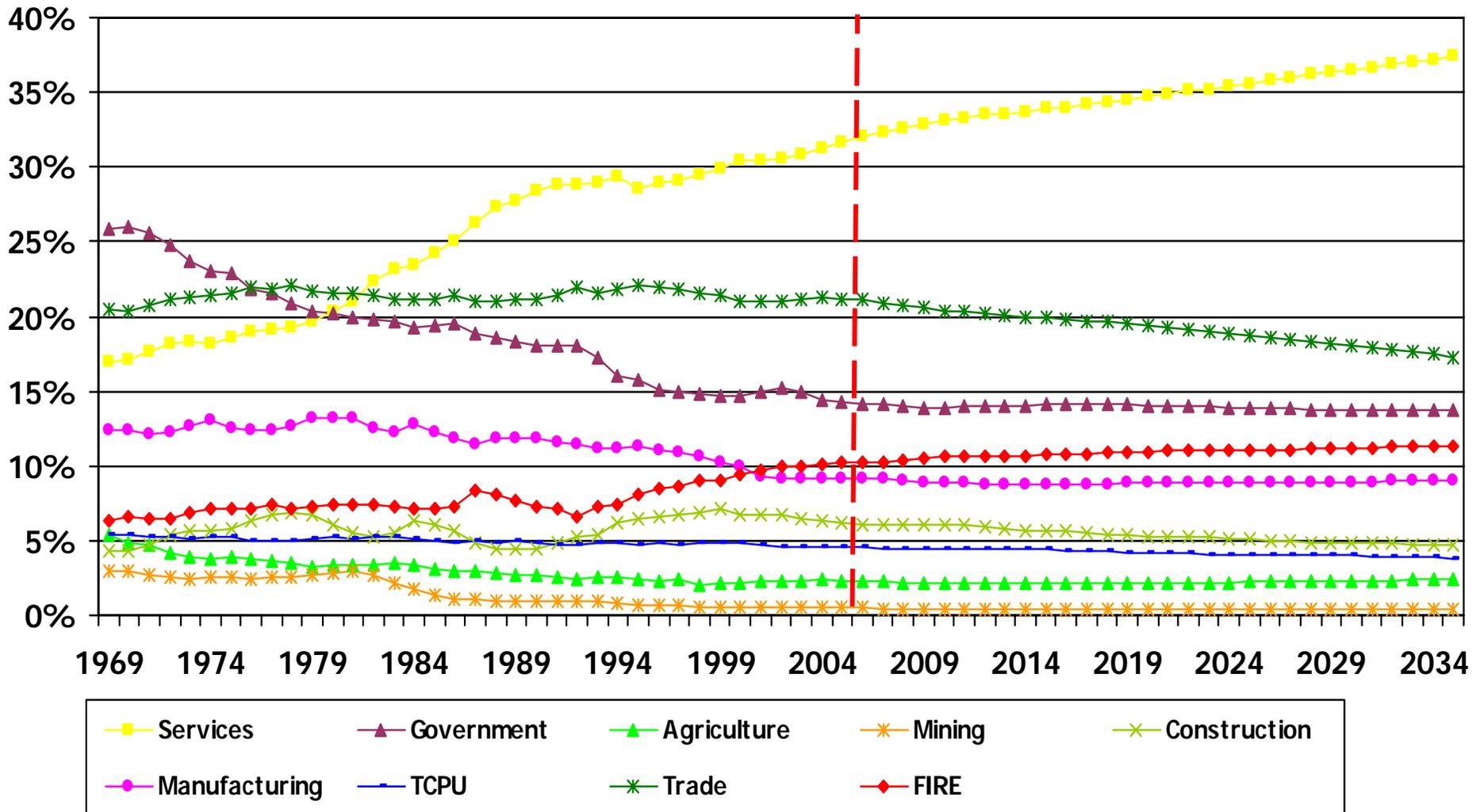


SIC Major Industries in Utah: 1969 to 2035



Source: Provisional 2004 Baseline Projections, Governor's Office of Planning and Budget

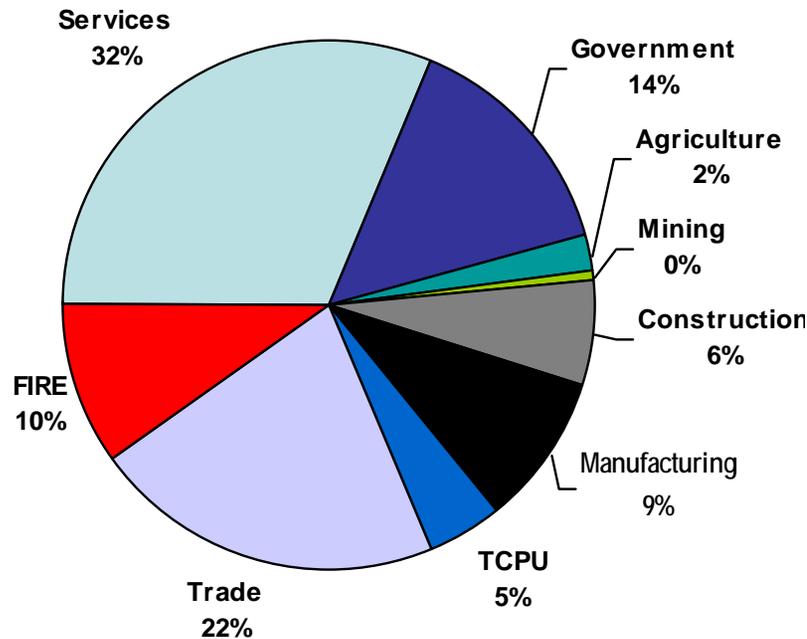
SIC Industry Employment as a Share of Total State Employment



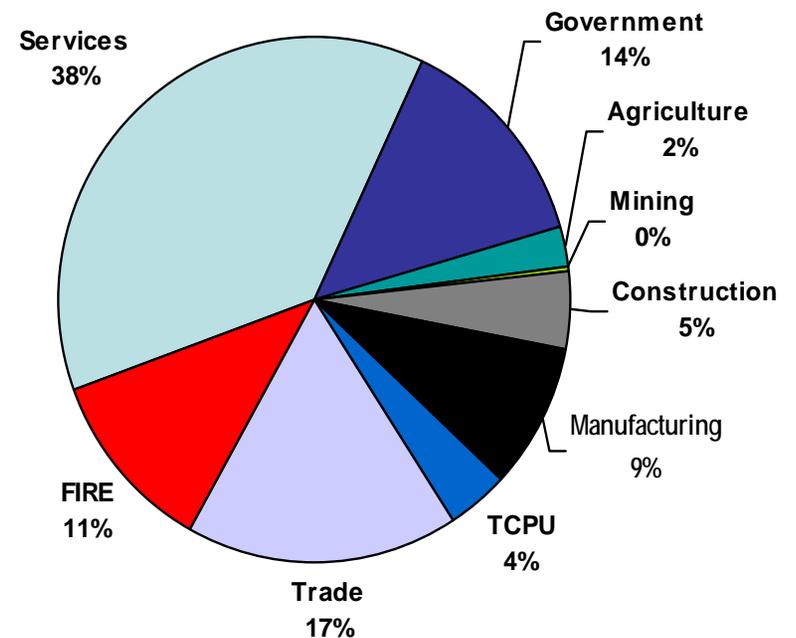
Source: Provisional 2004 Baseline Projections, Governor's Office of Planning and Budget

SIC Industry Employment as a Share of Total State Employment

2004

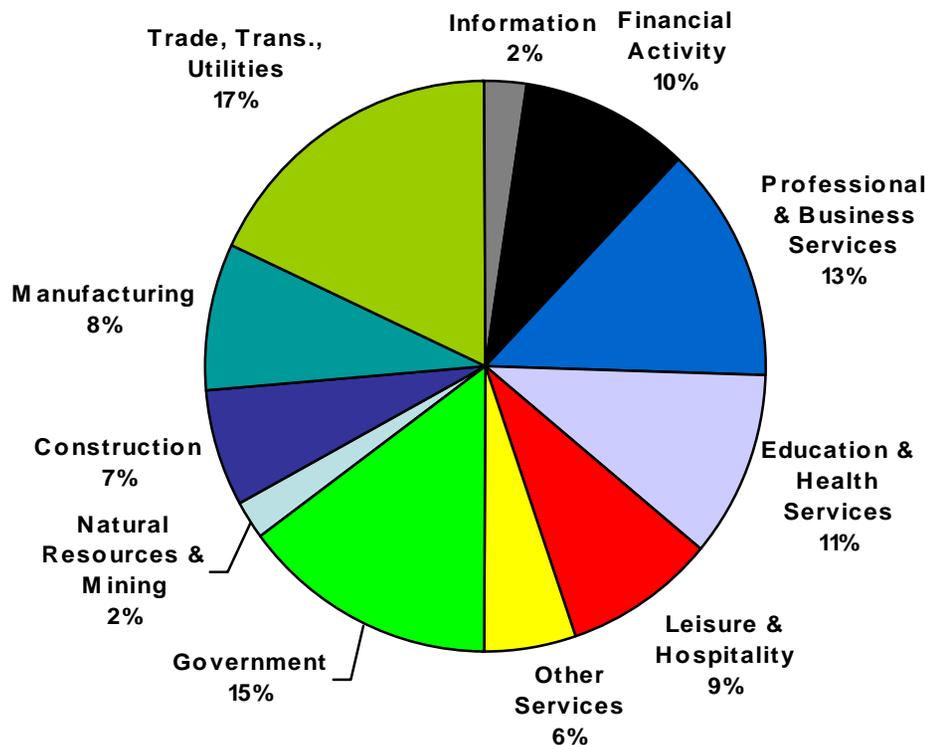


2035

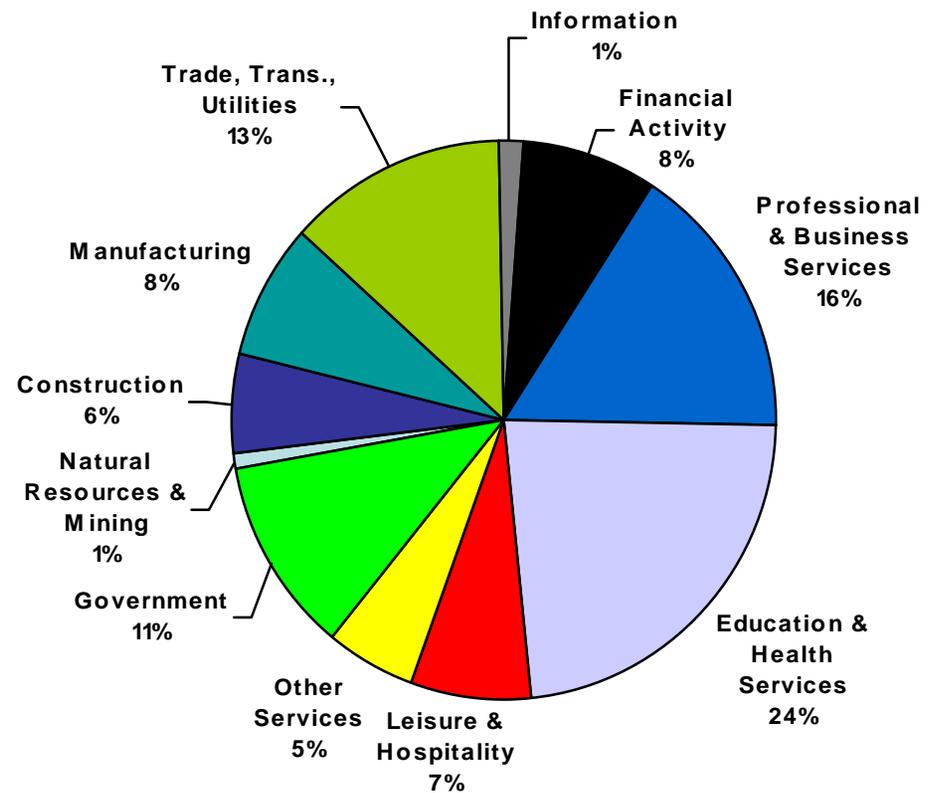


NAICS Utah Employment by Industry as a Share of Total State Employment

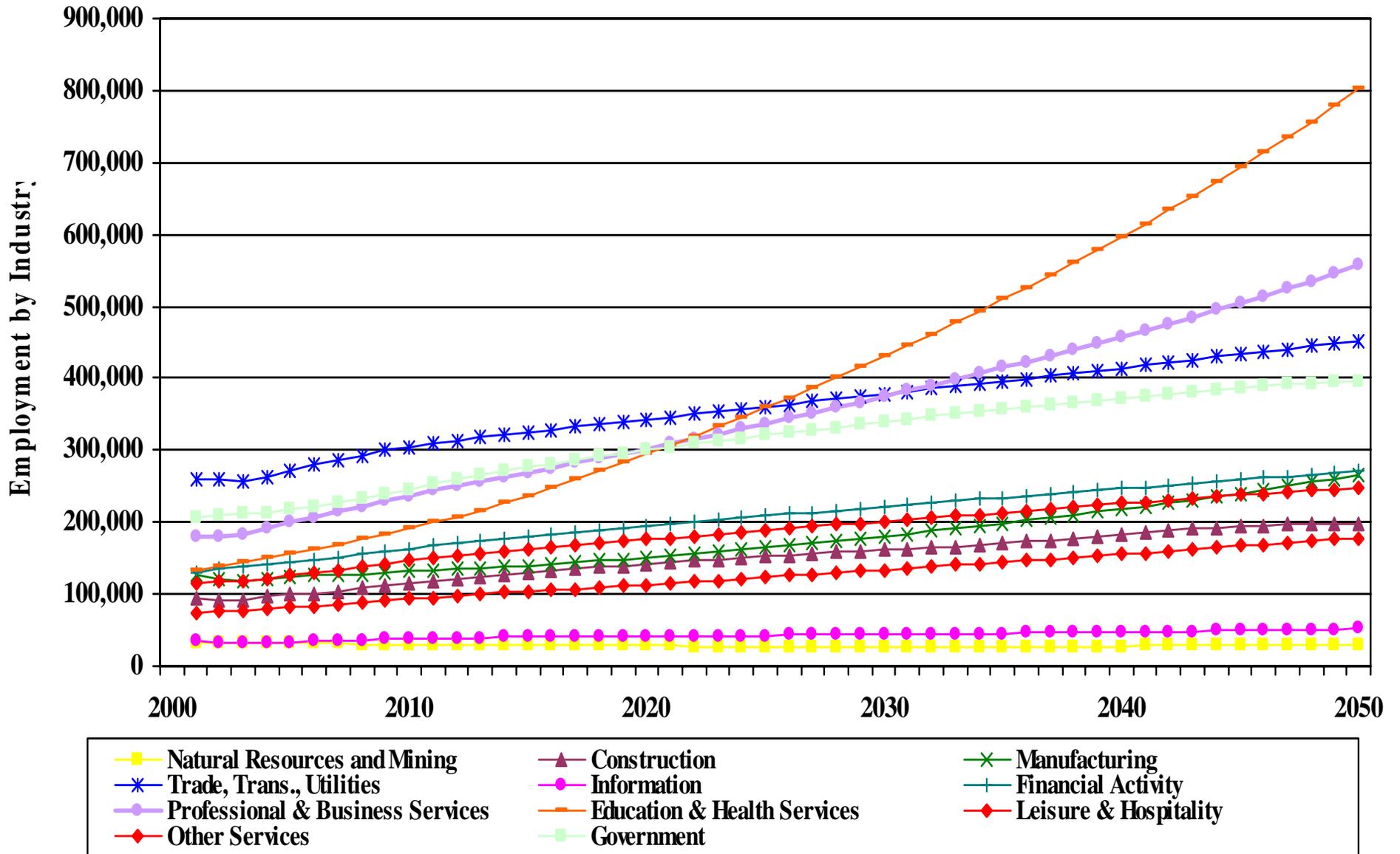
2005



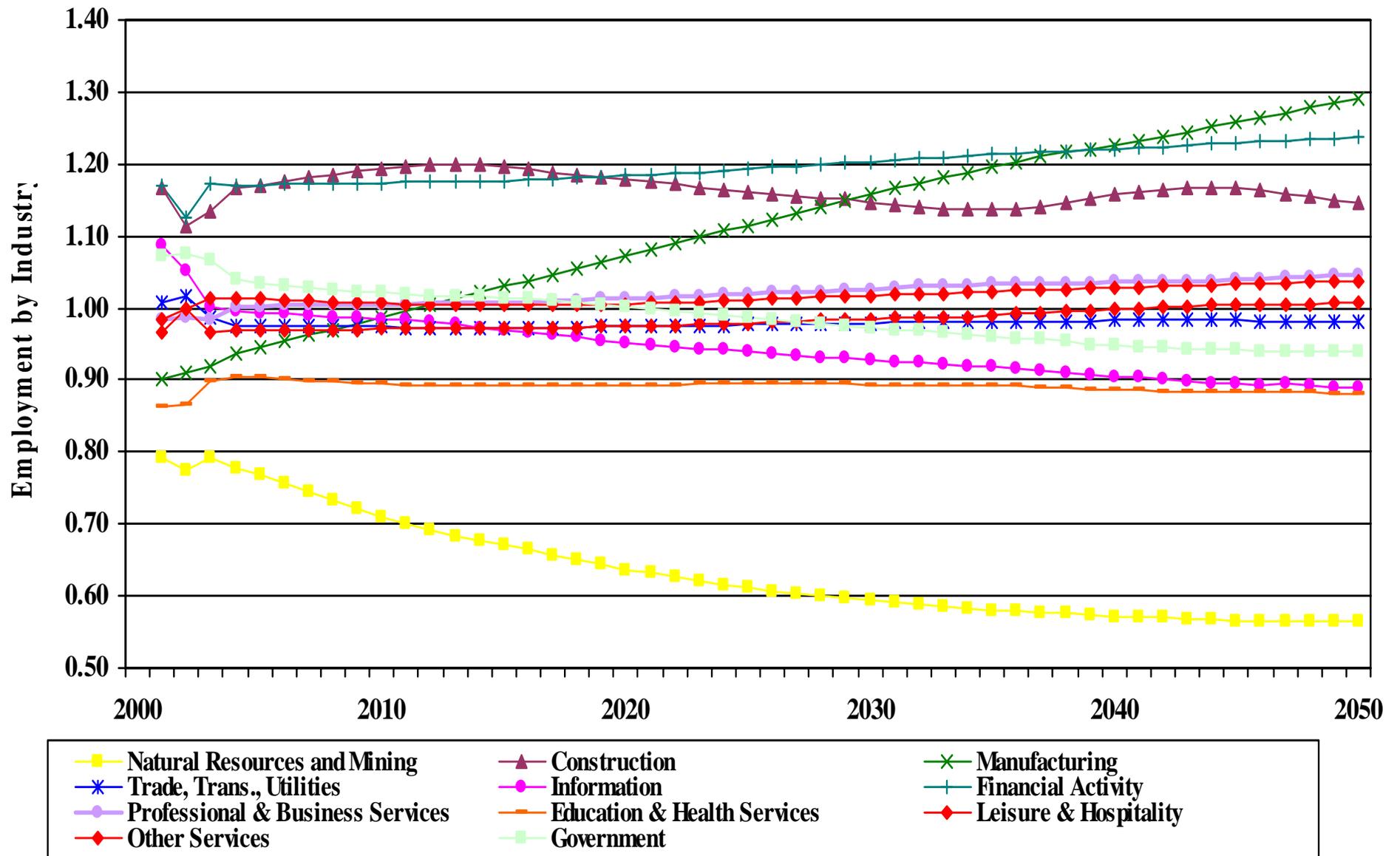
2050



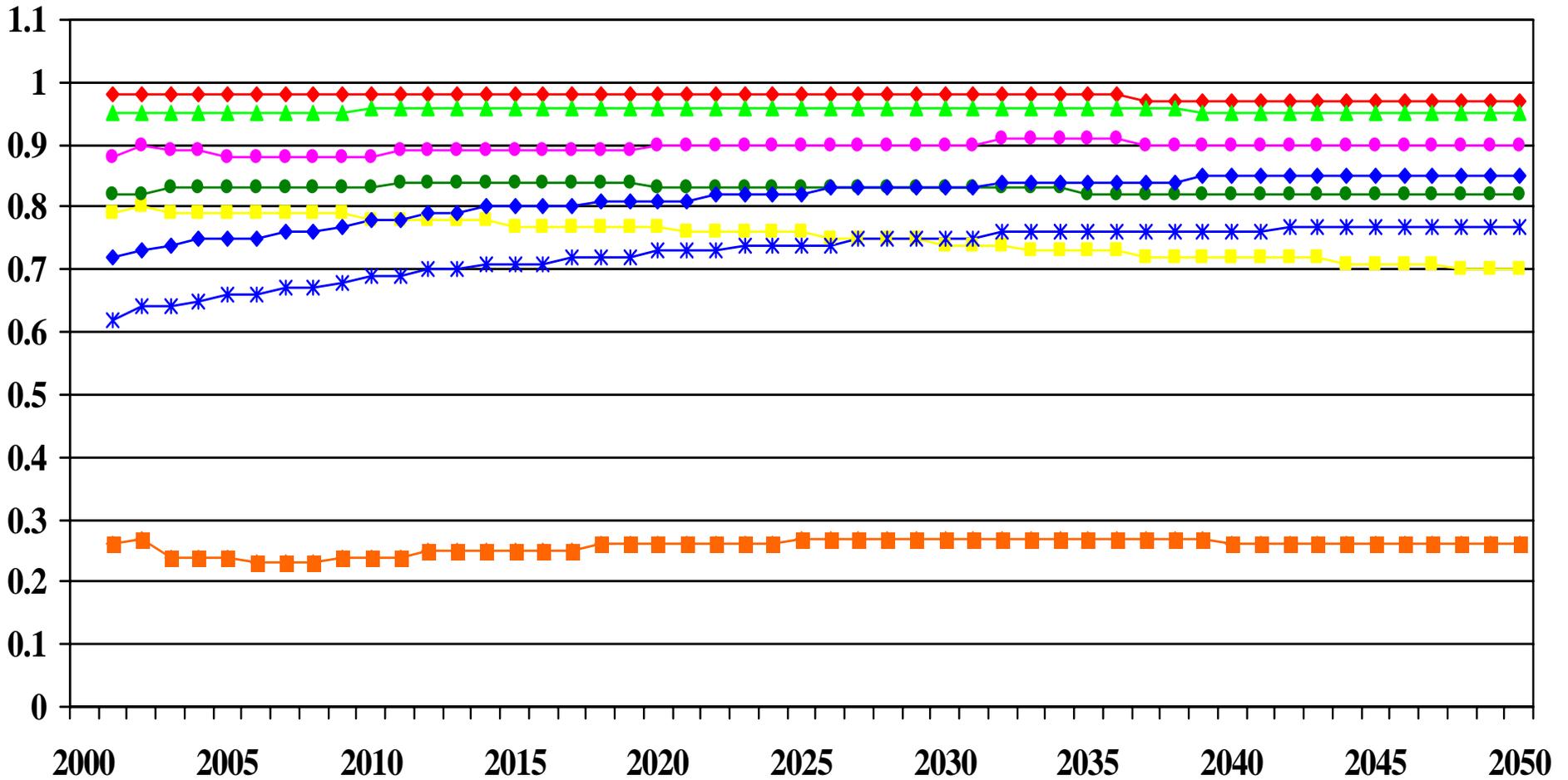
NAICS Major Industries in Utah: 2001-2050

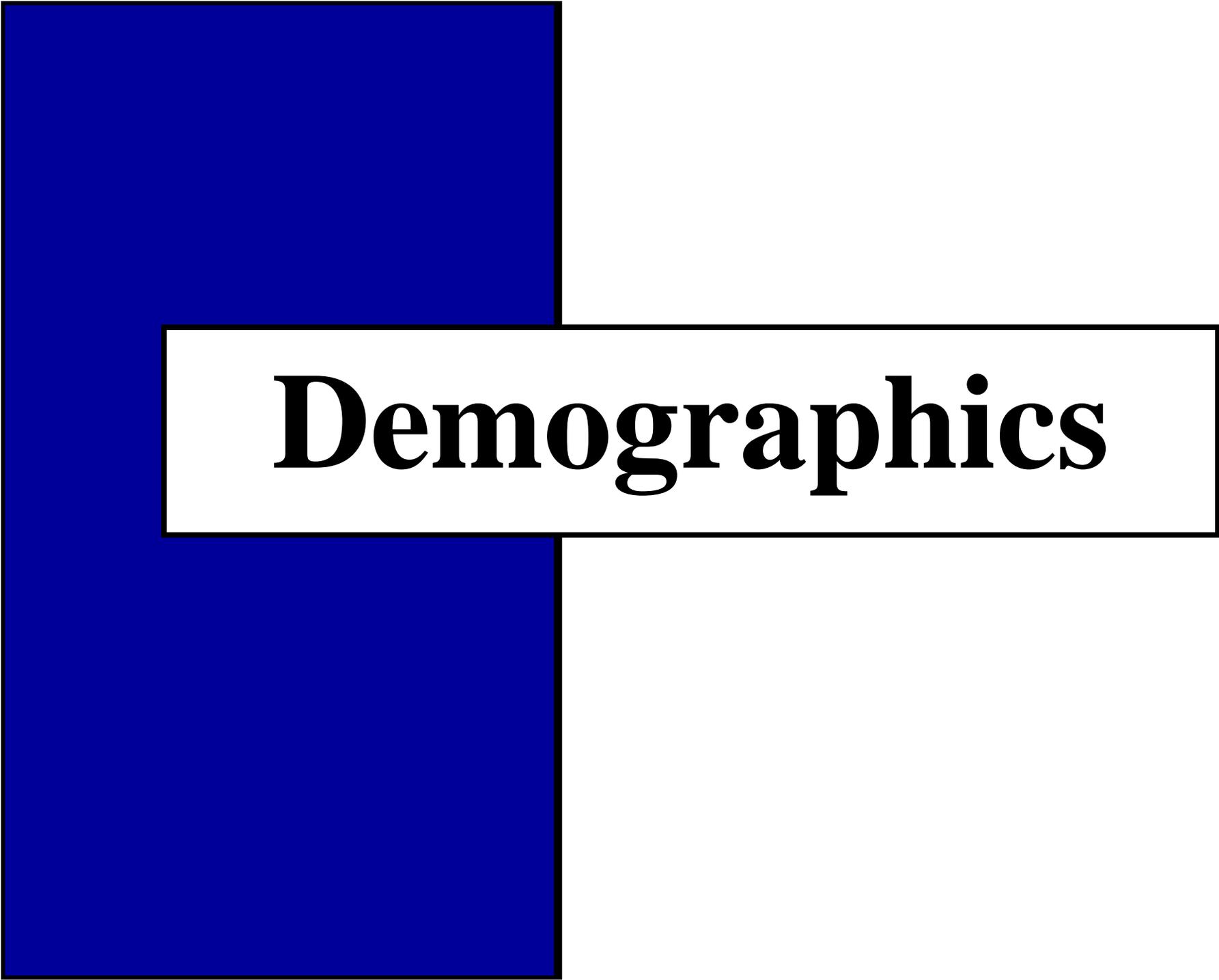


Location Quotients: State Employment: 2001 to 2050



Region's Hachman Index Relative to the Nation



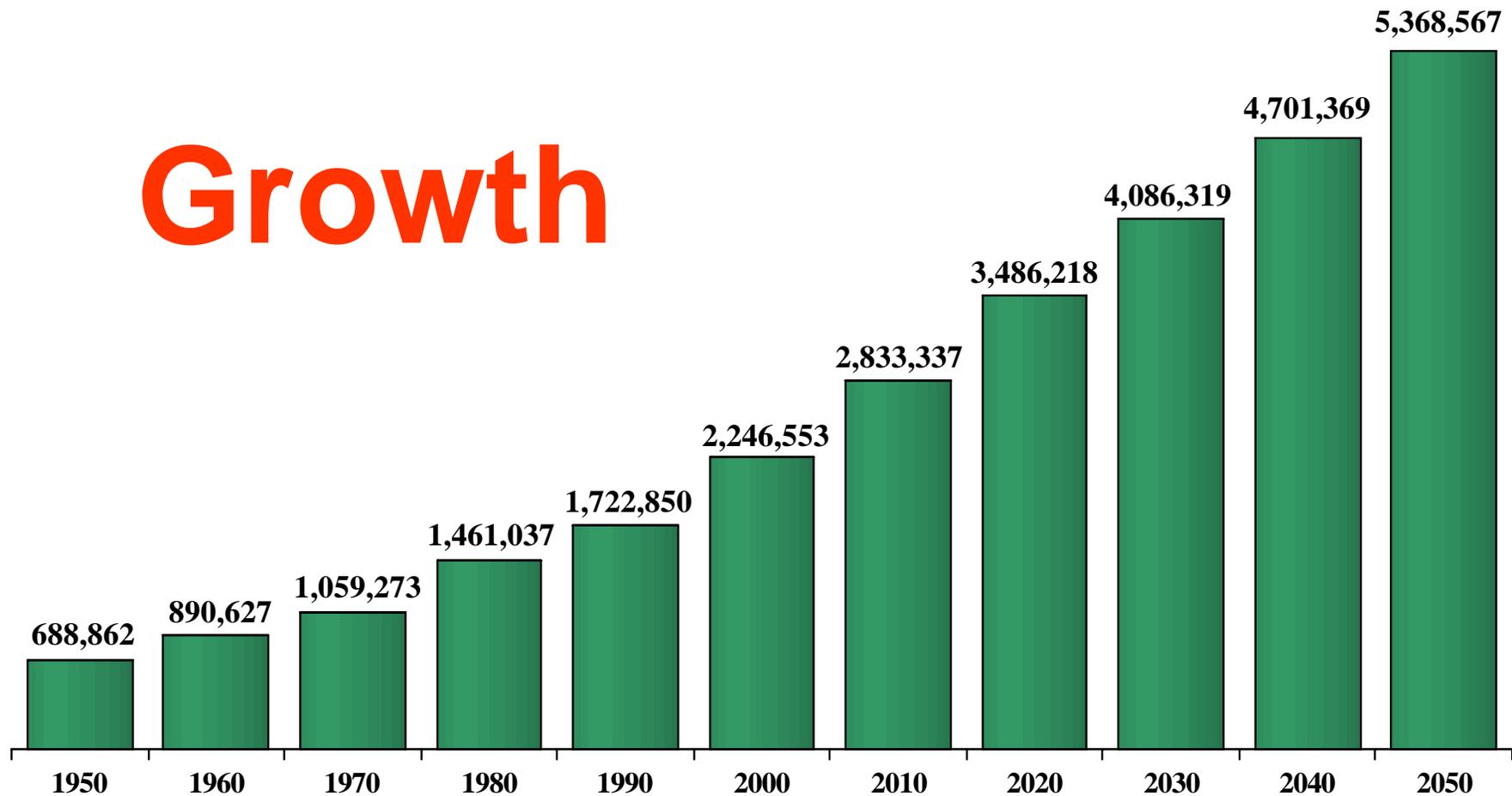


Demographics

A 100 Year Look at Utah's Population

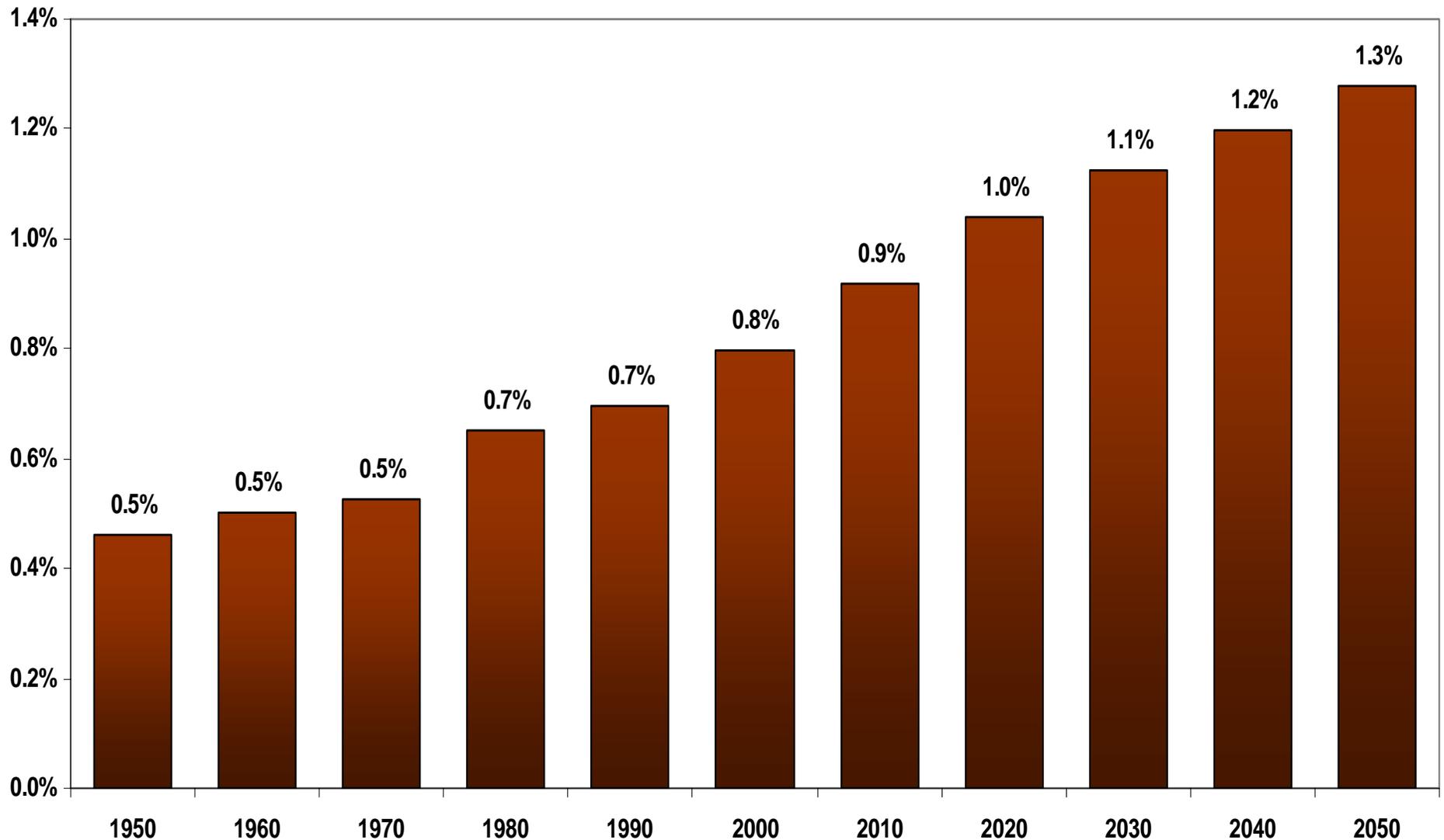
Utah Population 1950 to 2050

Growth

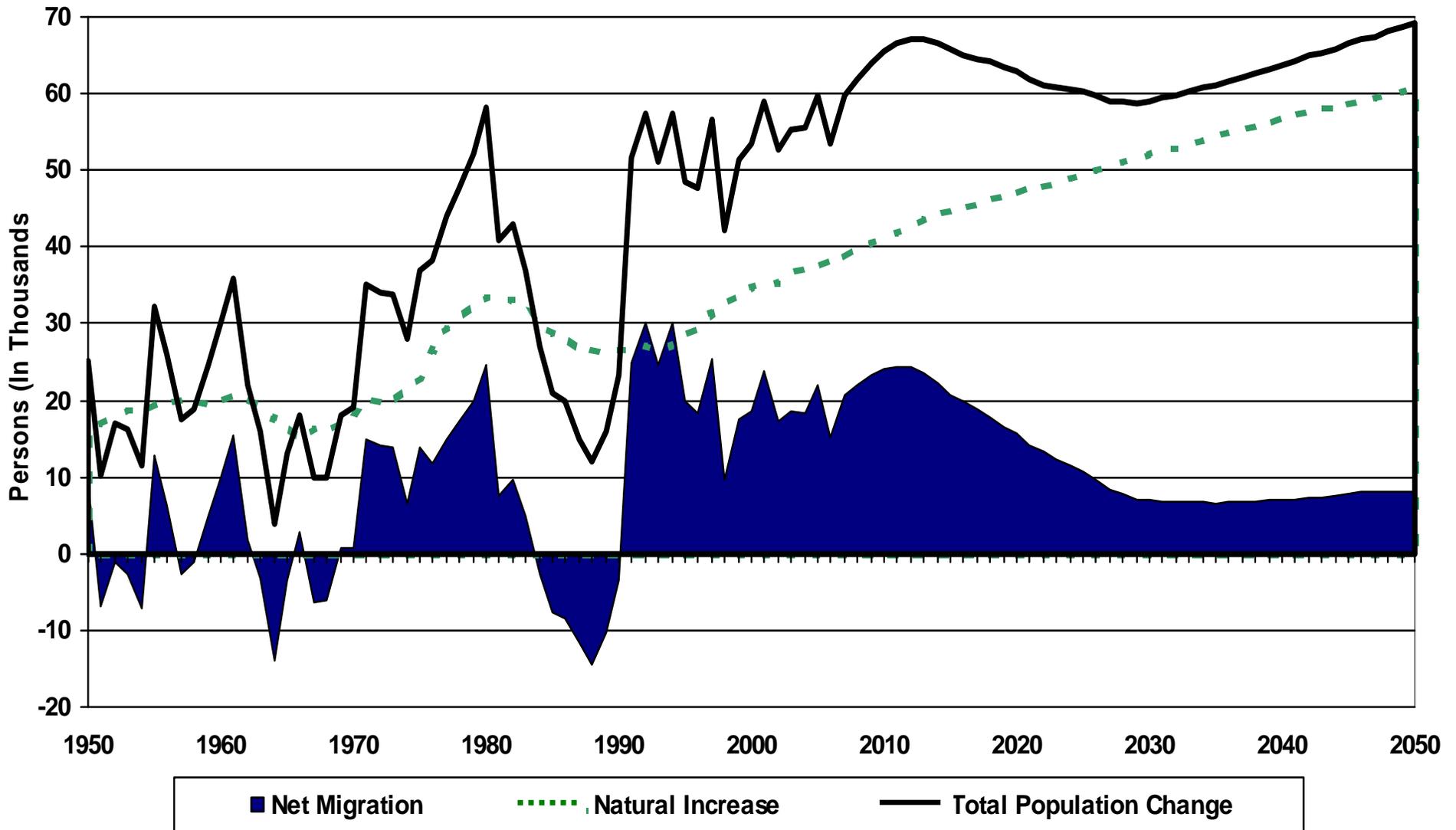


Sources: Historical, U.S. Census Bureau; Projected, 2005 Baseline Projections

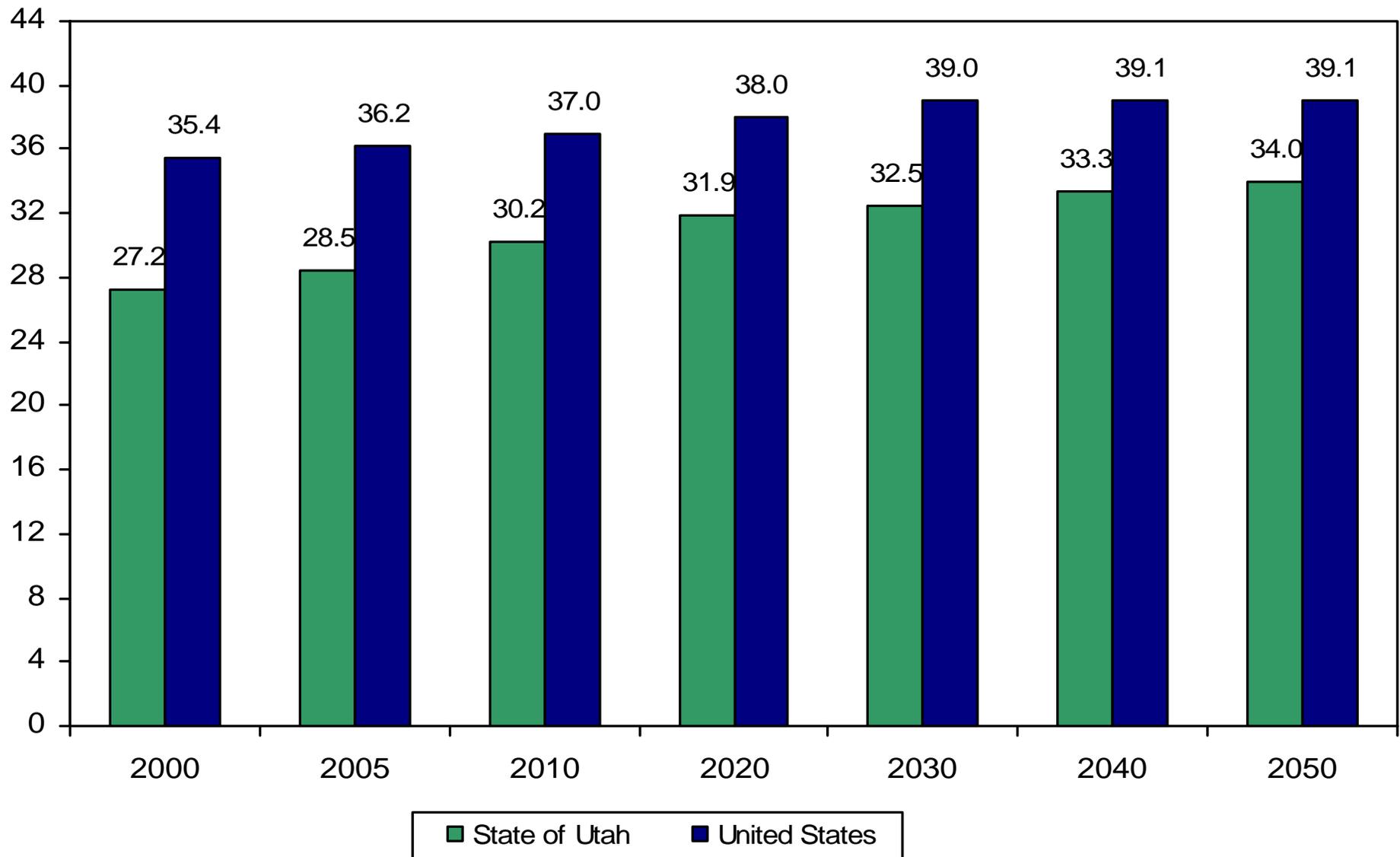
Utah Population as a Percent of Total U.S. Population



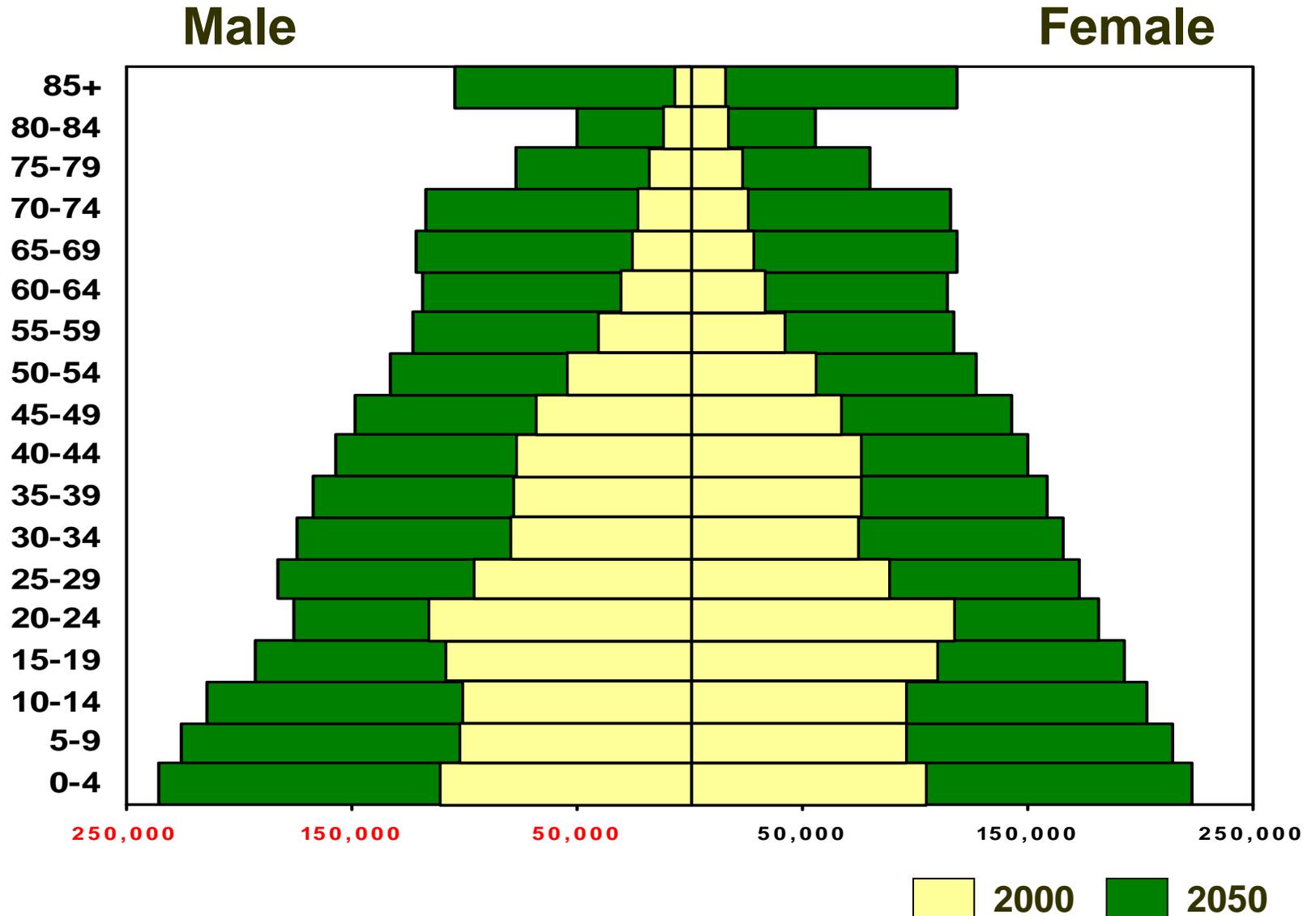
State of Utah Components of Population Change



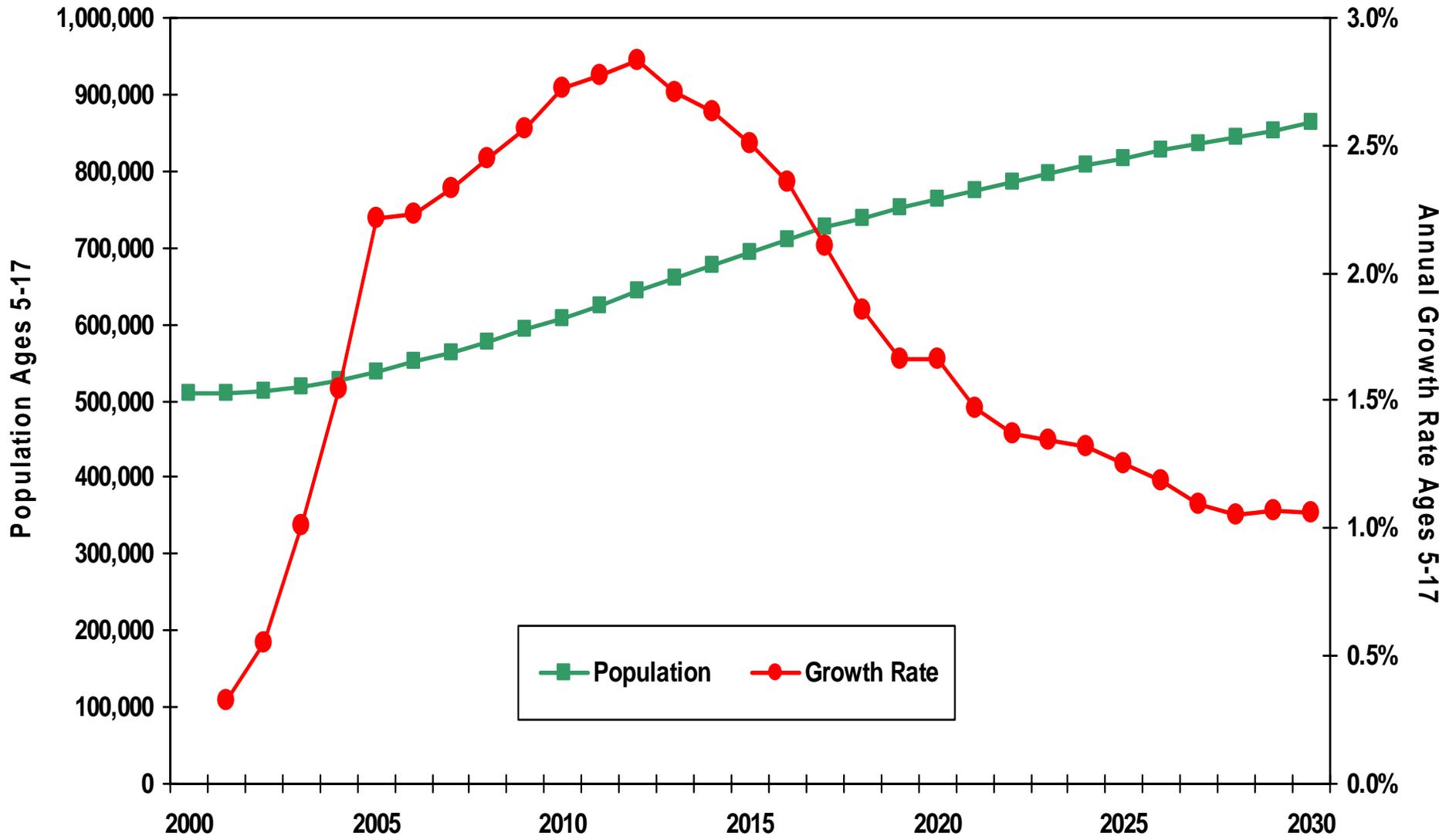
Projected Median Age for Utah and the United States



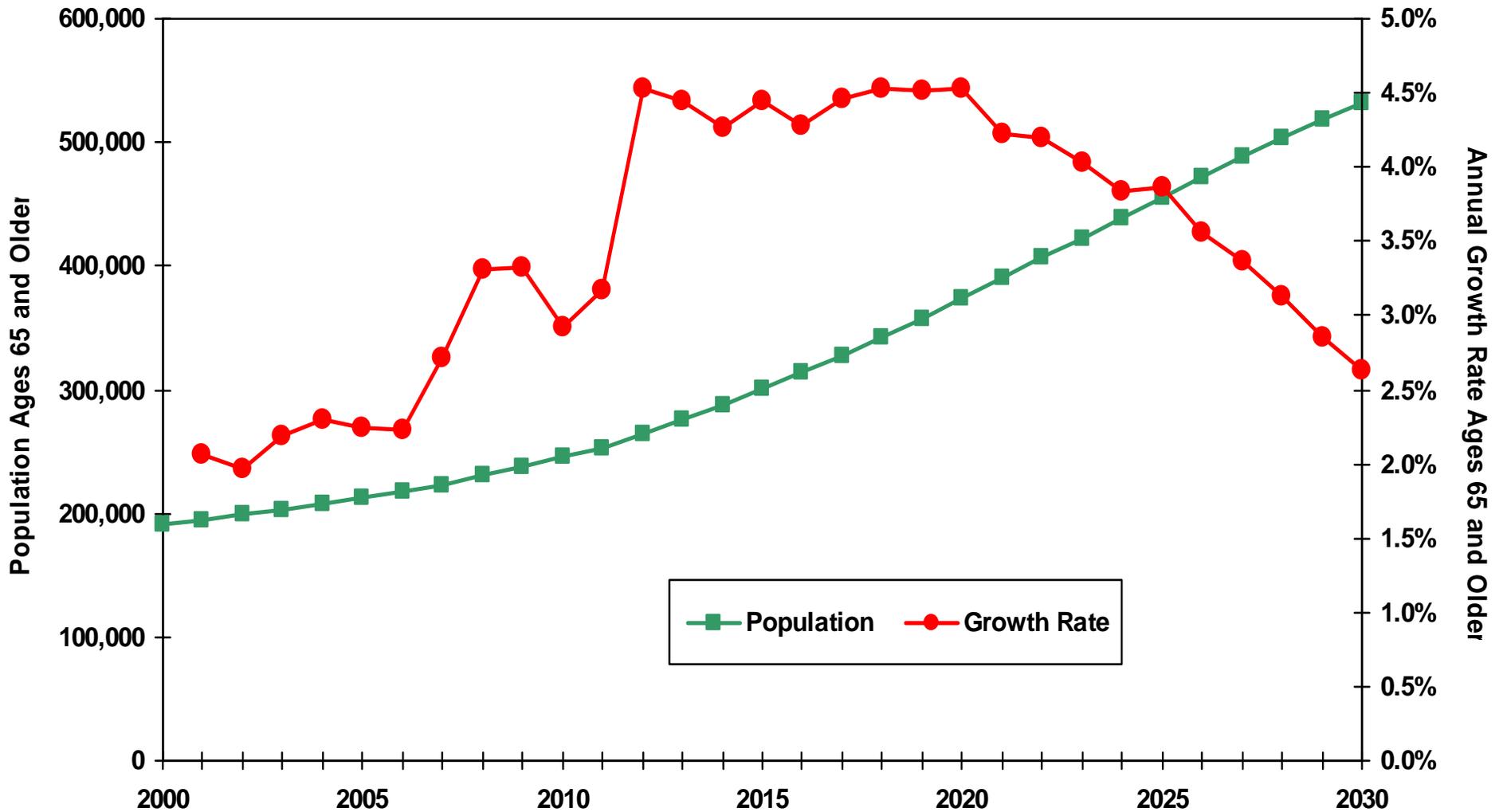
Utah's Changing Age Structure



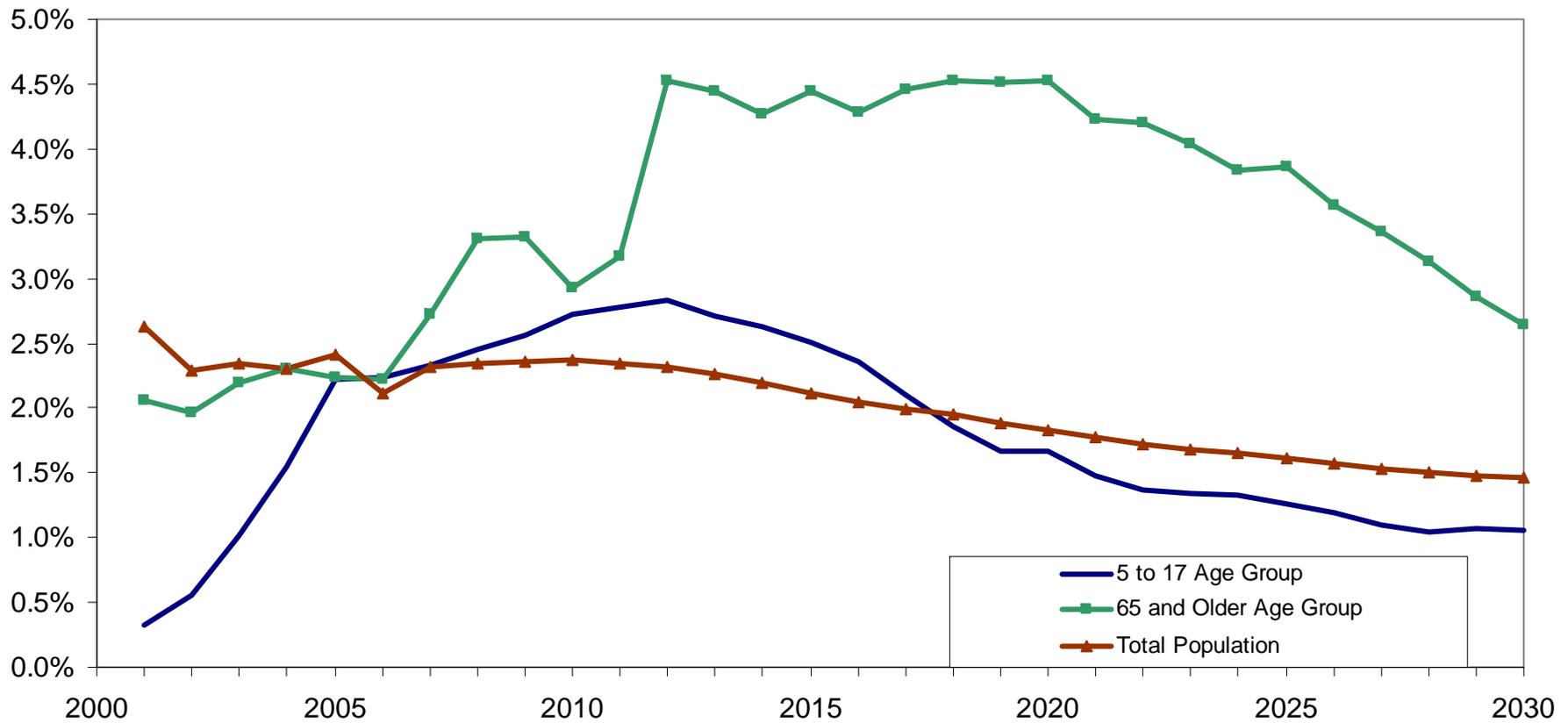
Growth of School-Age Population: 2000 to 2050



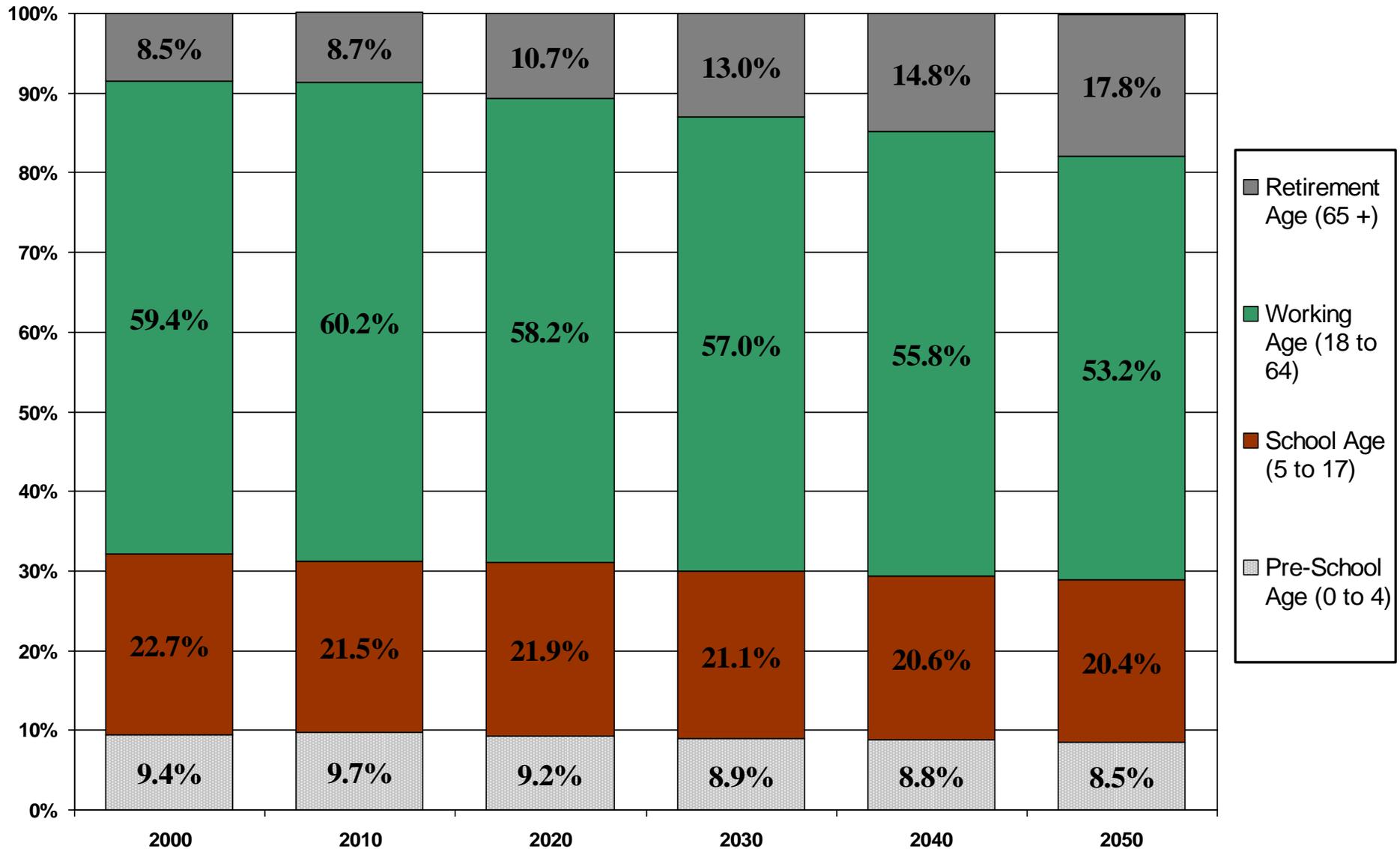
Growth of Retirement-Age Population: 2000 to 2050



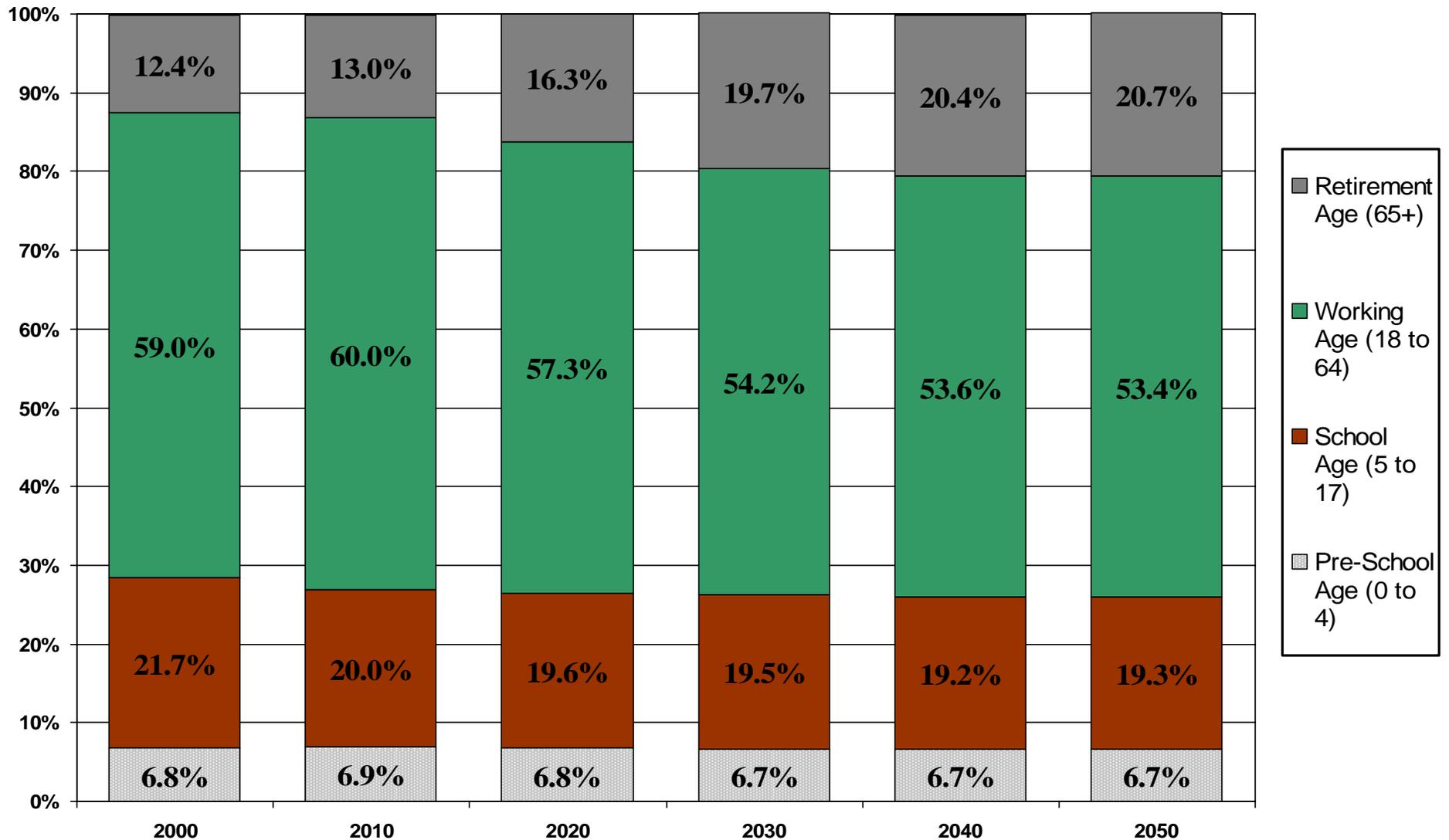
Growth Rates by Selected Age Group



Utah Proportion of Population Projections

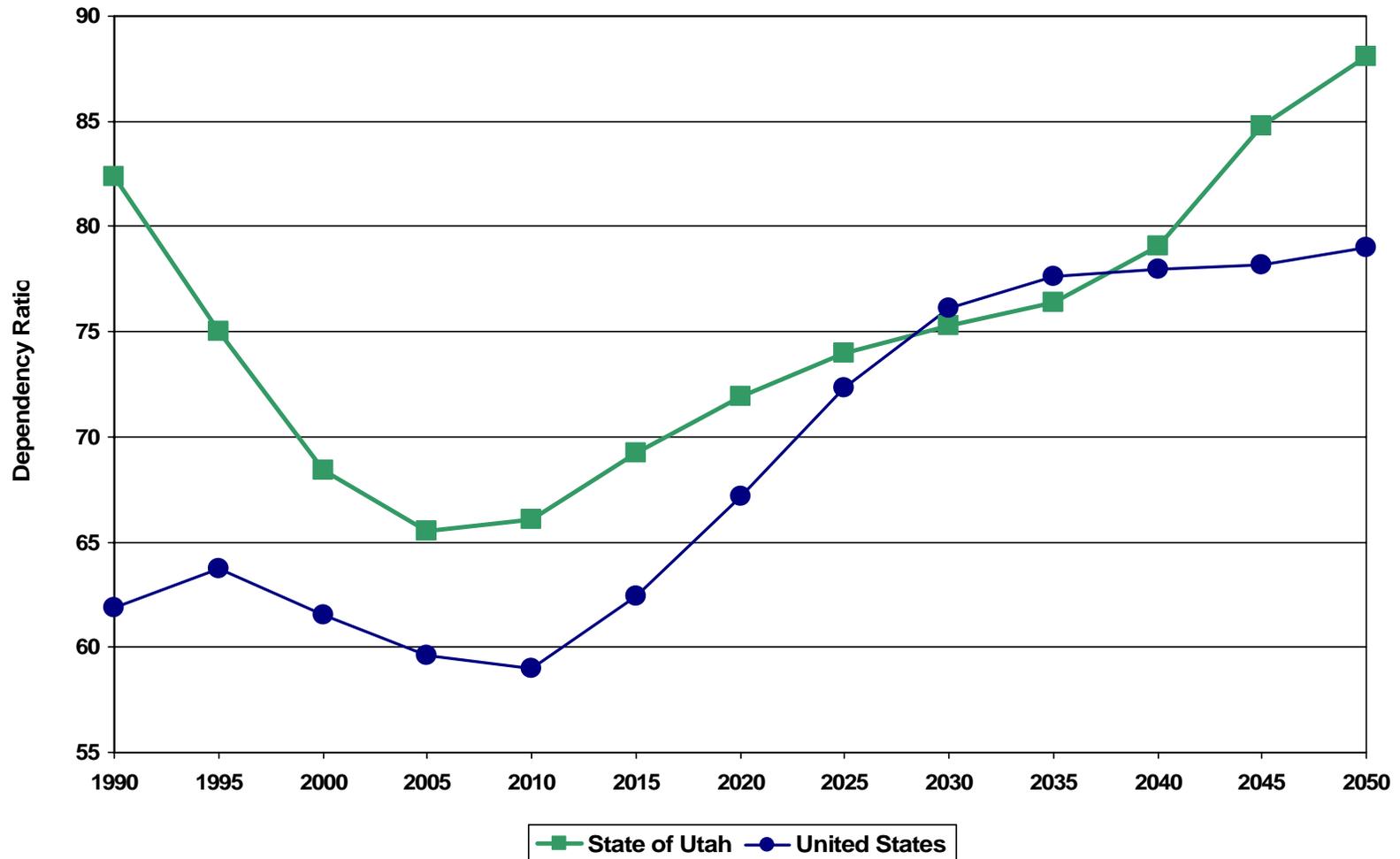


U.S. Proportion of Population Projections

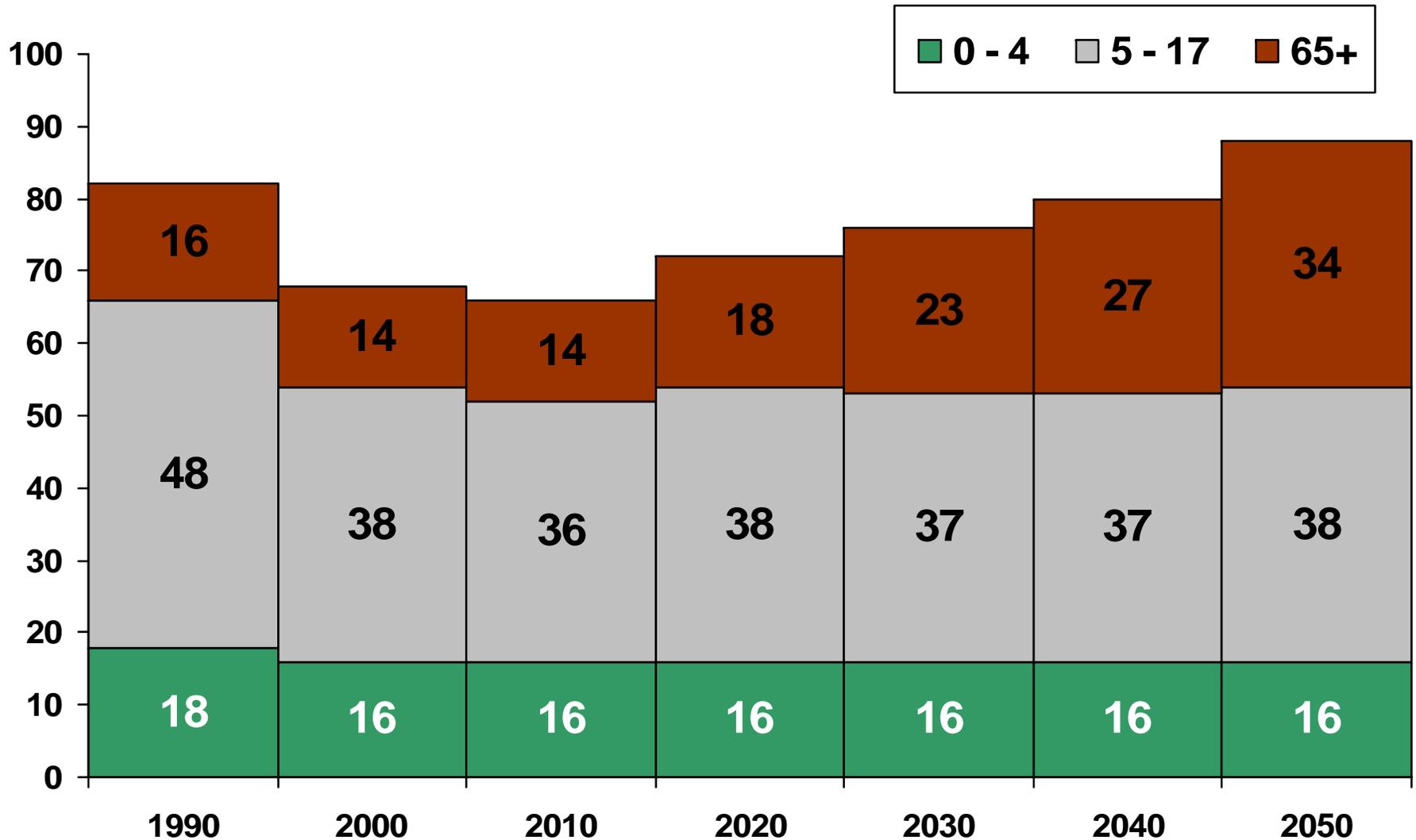


Source: U.S. Census Bureau

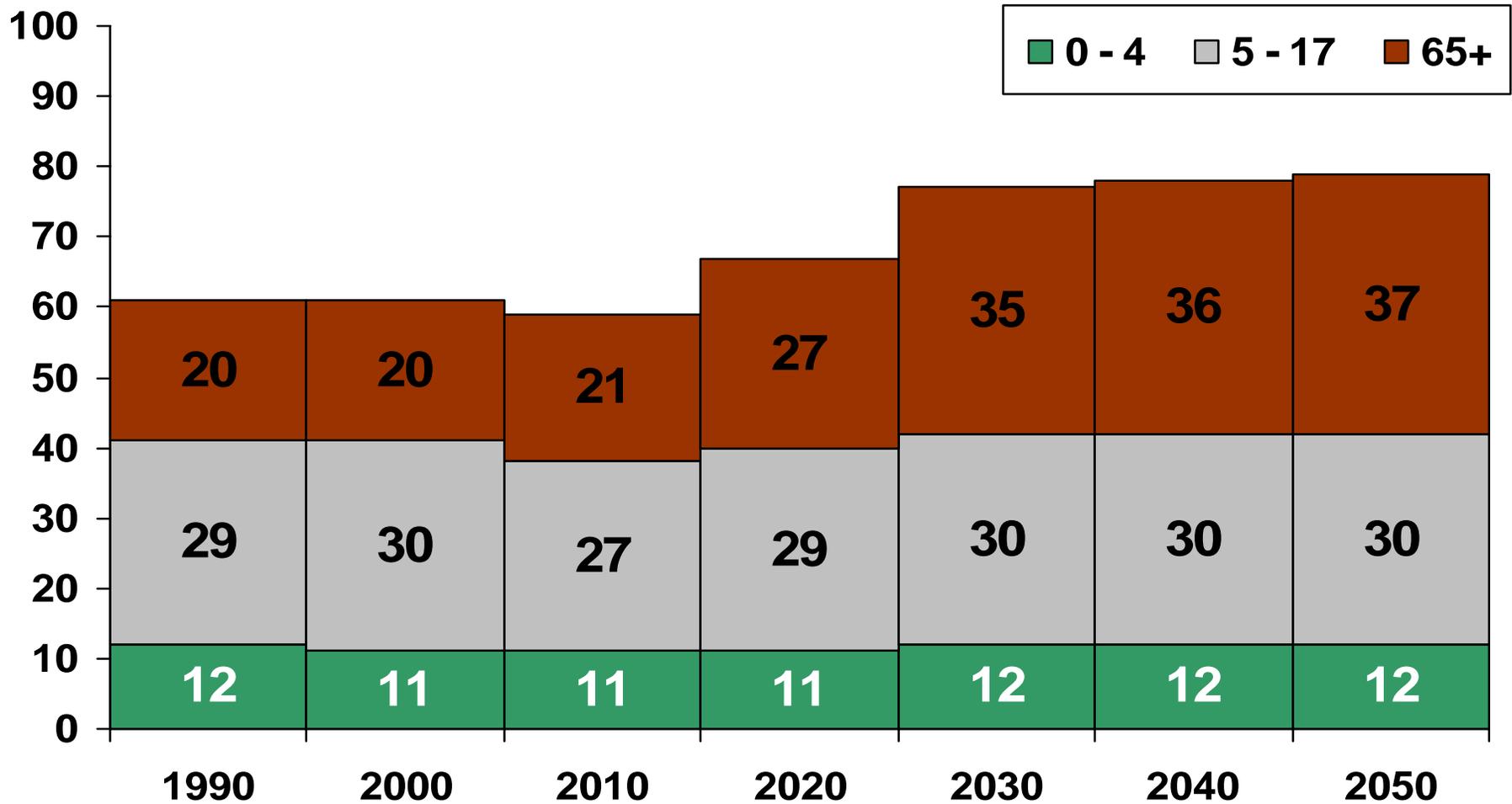
Dependency Ratios for Utah and the U.S. 1990 to 2050



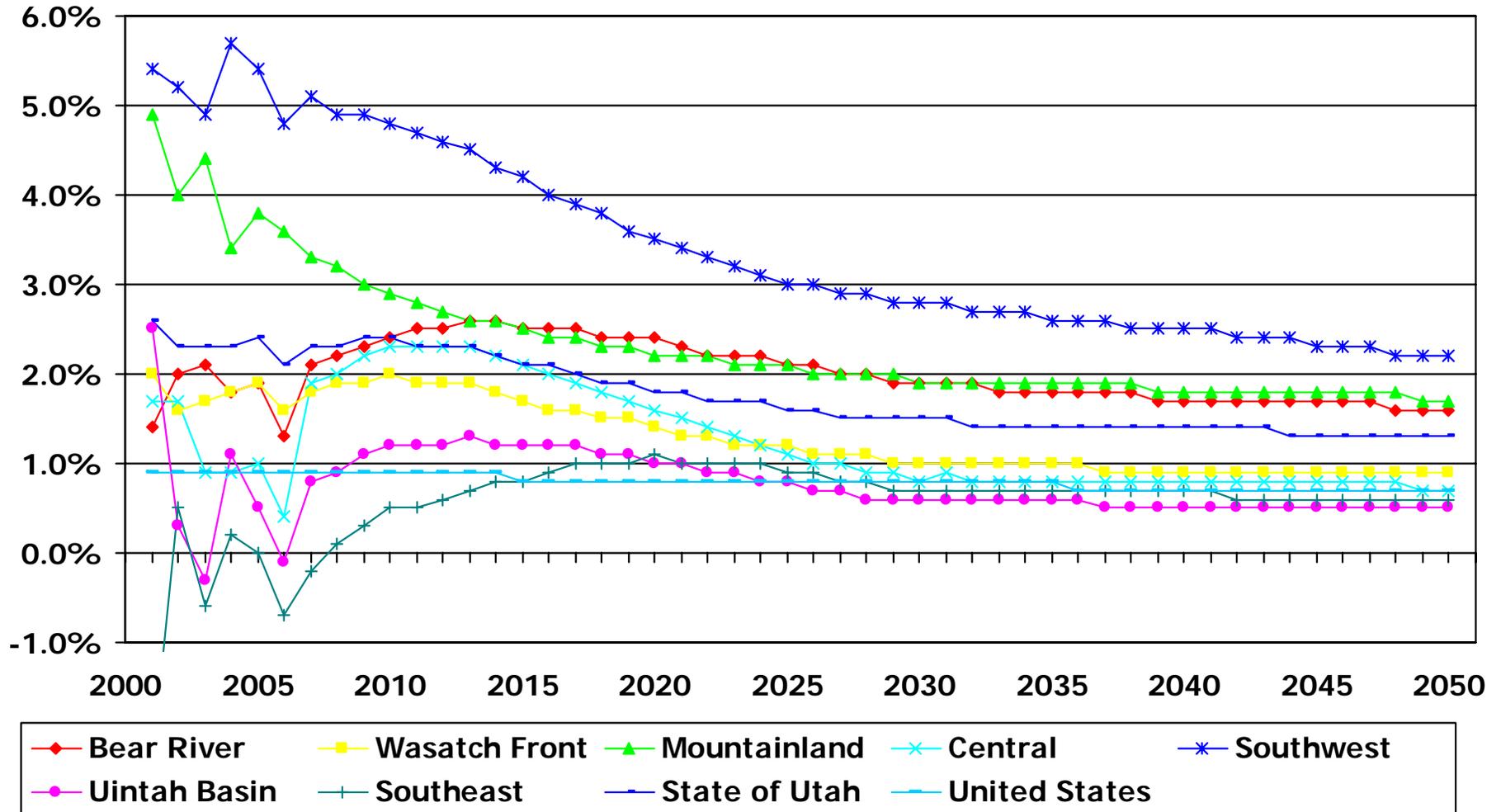
Dependency Ratios for Utah: 1990 to 2050



U.S. Dependency Ratios: 1990 to 2050



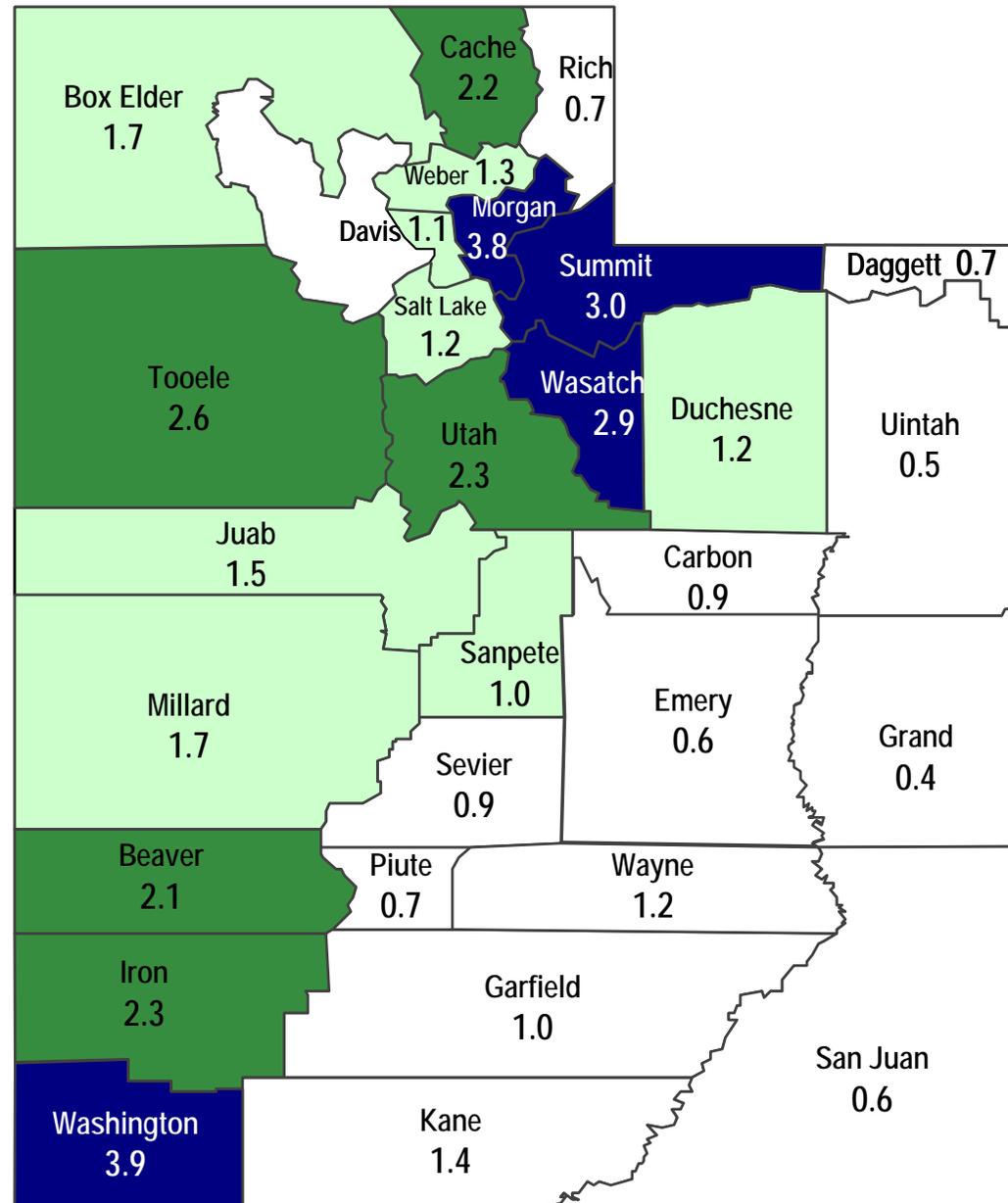
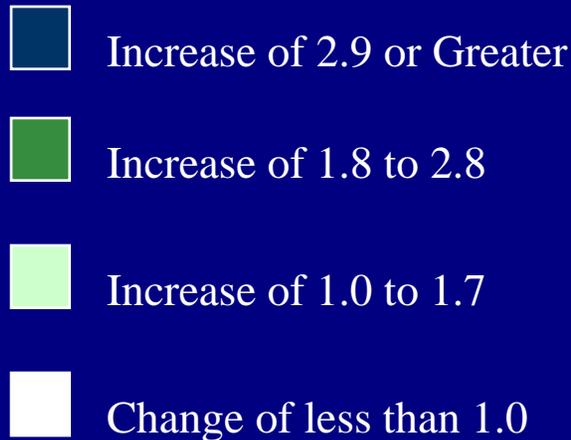
Population Growth Rates by Multi-County District: 2000 to 2050



Source: Provisional 2004 Baseline Projections, Governor's Office of Planning and Budget

Utah Population Annual Average Growth Rates By County 2000 to 2050

State Average = 1.8%



Summary

- Utah has a long history of producing timely and accurate long term economic and demographic projections
- Utah has higher rates of economic and population growth than the nation.
- While Utah is becoming more like the nation, it will continue to have unique demographic characteristics that set it apart.

Governor's Office of Planning & Budget

Demographic and Economic Analysis

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