

Utah Demographics

*Understanding Where We Are, Where We've
Been, and Where We May Be Headed*

Presented By:

Utah Governor's Office of Planning and Budget

April 18, 2000

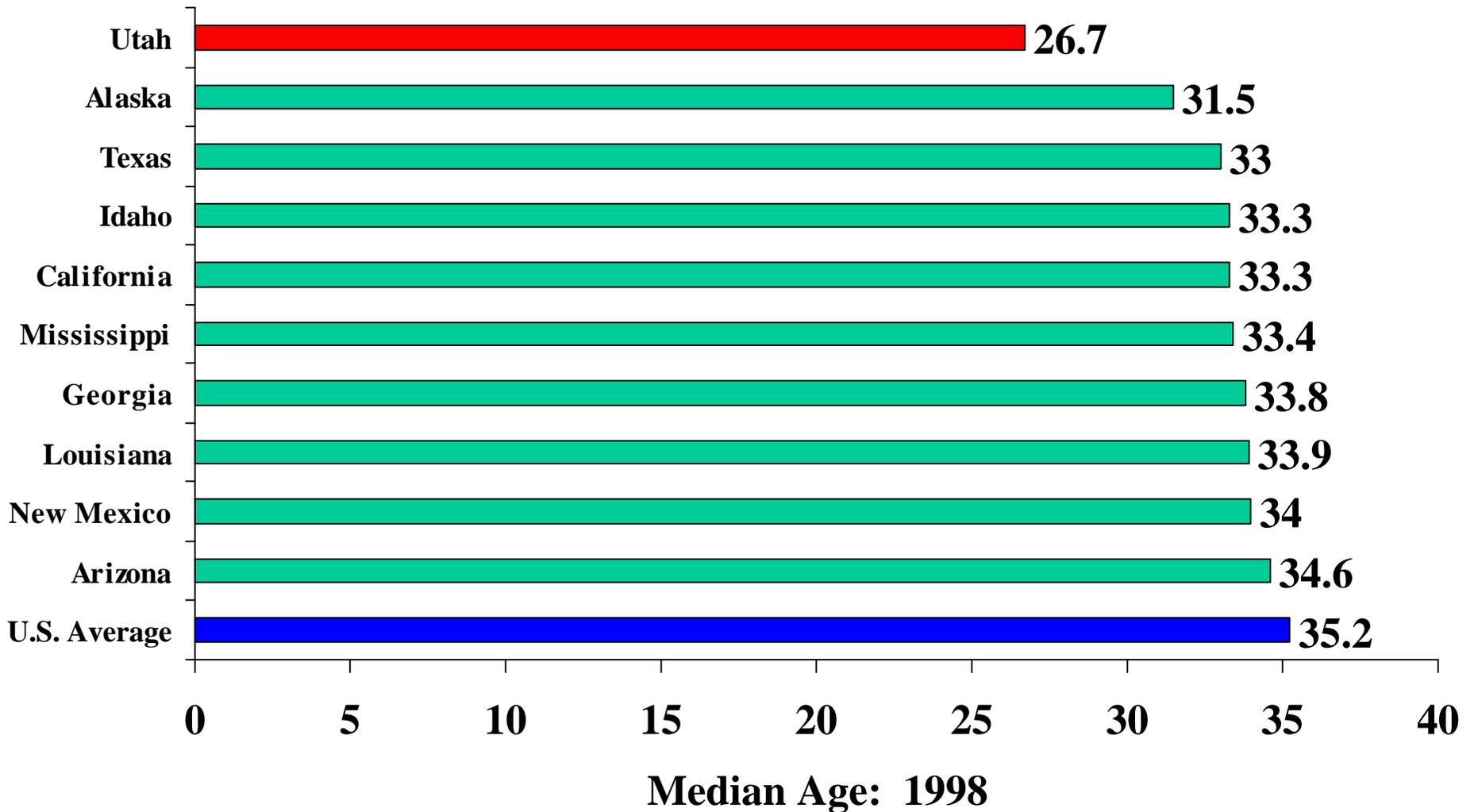
*“Demographics is
destiny”*

- Ben Wattenberg

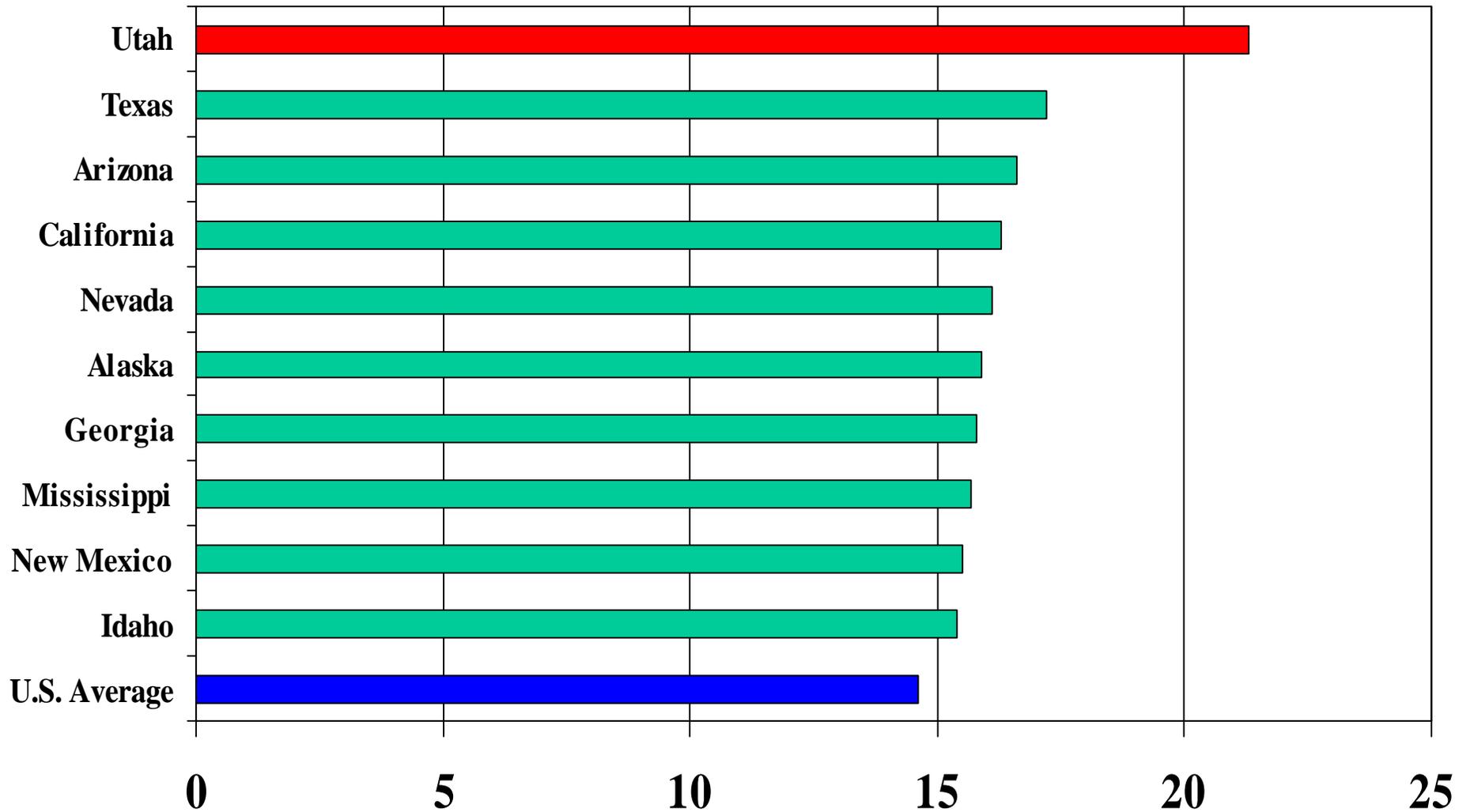
Thumbnail Sketch of Utah Demographics

- Young
 - High fertility
 - Large household size
- Healthy
 - Long life expectancy
- Rapidly Growing
 - Population
 - Economy

Utah has the Youngest Median Age in the Nation

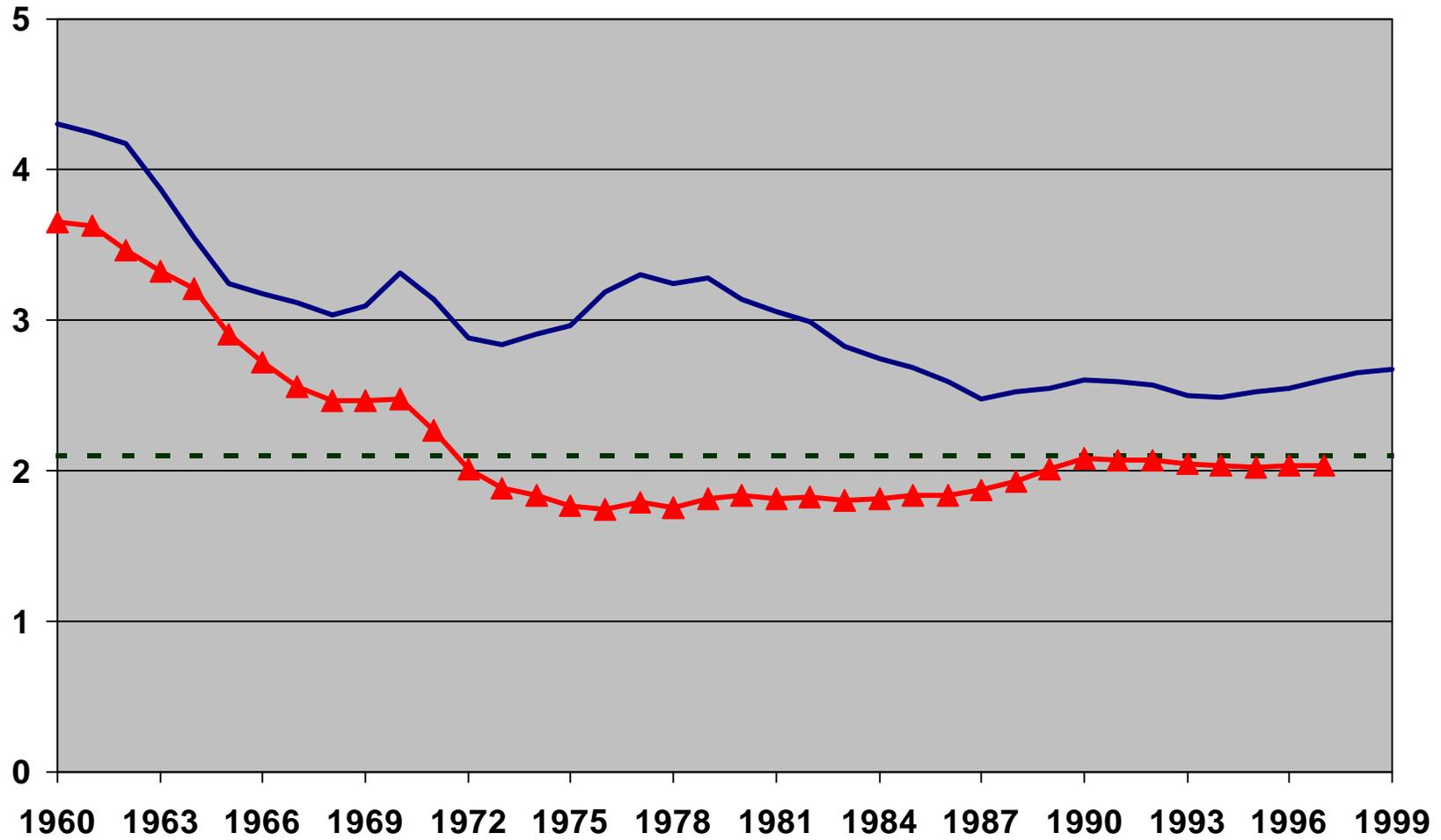


Utah has the Highest Birth Rate in the Nation



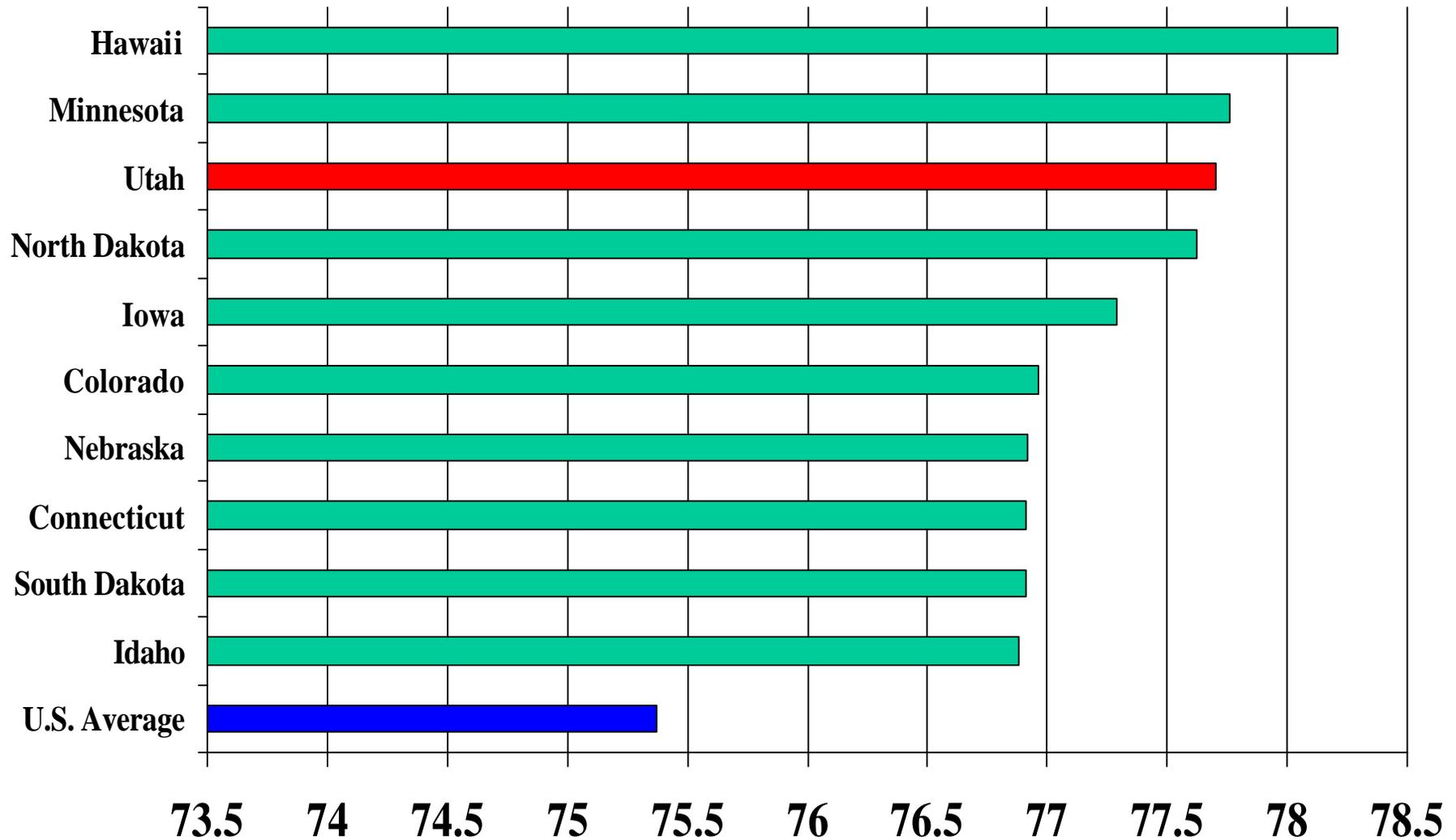
Births per 1,000 Population: Top 10 States 1997

Total Fertility for the U.S. and Utah: 1960 to 1999



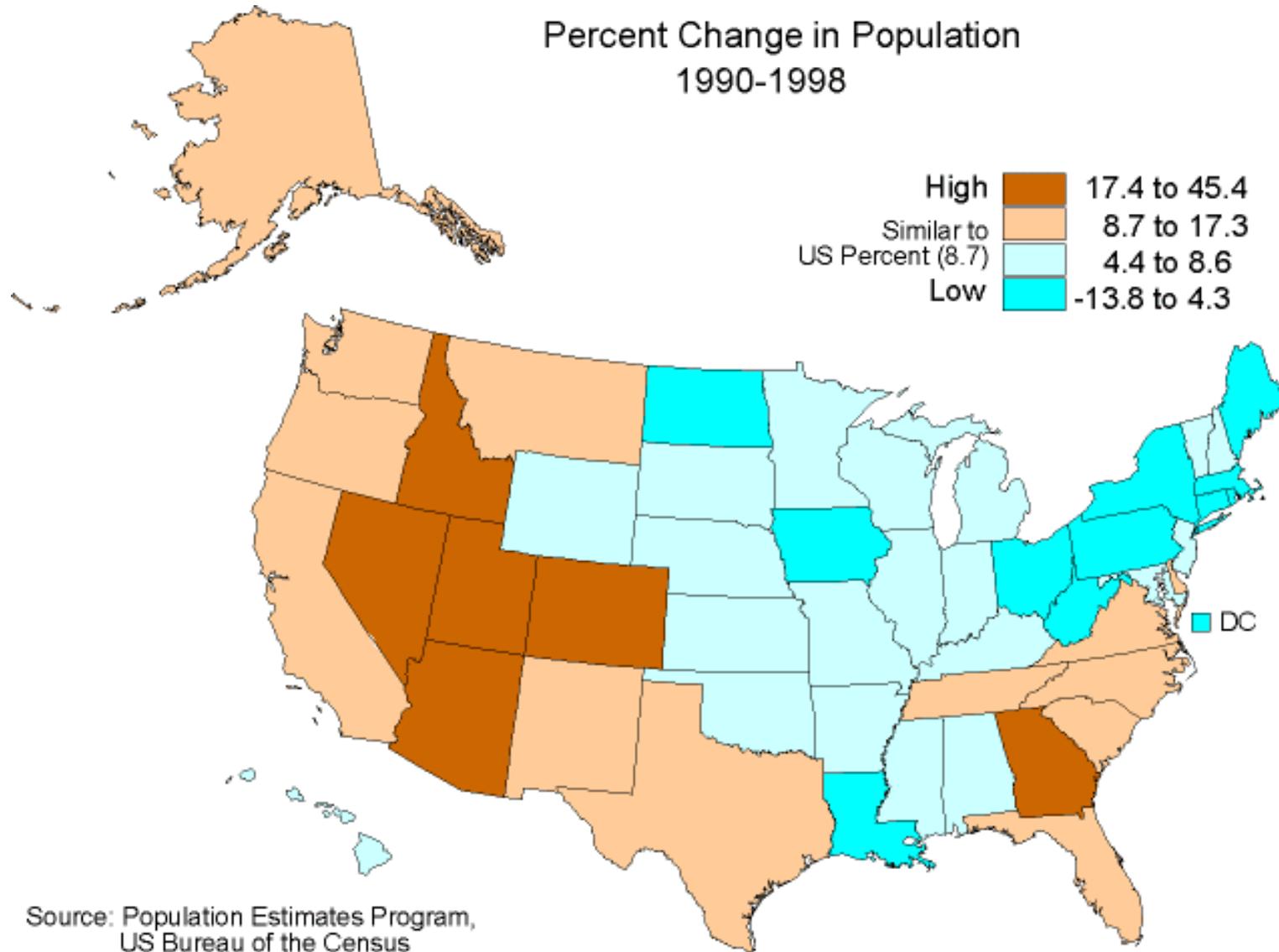
- - - Replacement Level * ▲ U.S. — Utah

Utahn's Have a Long Life Expectancy



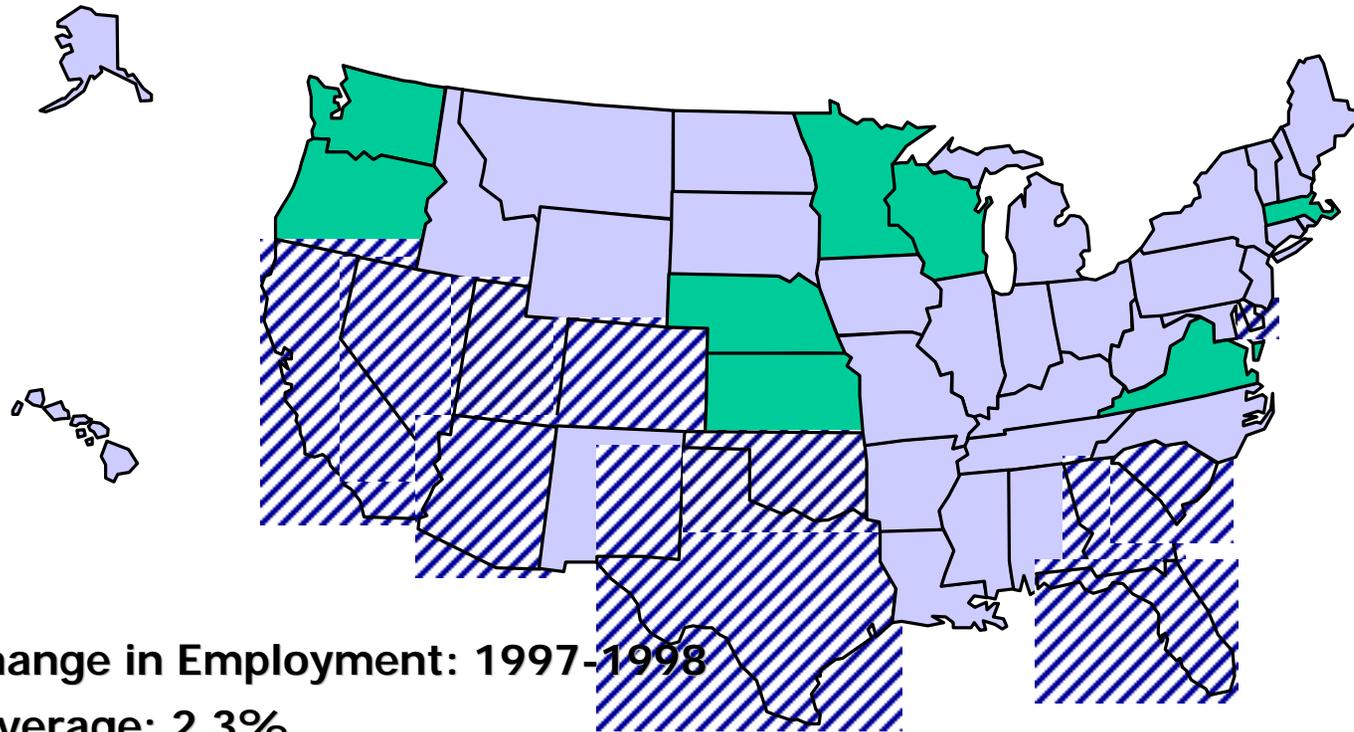
Average Lifetime in Years: Top Ten States

Utah is Right in the Center of the Nation's Fastest Growing Area



Utah's Economy is Performing Well

Job Growth Rates by State: 1998



Percent Change in Employment: 1997-1998

National Average: 2.3%

Below National Average

At or Above National Average

Above National Average and 3% and Above

Source: Bureau of Labor Statistics





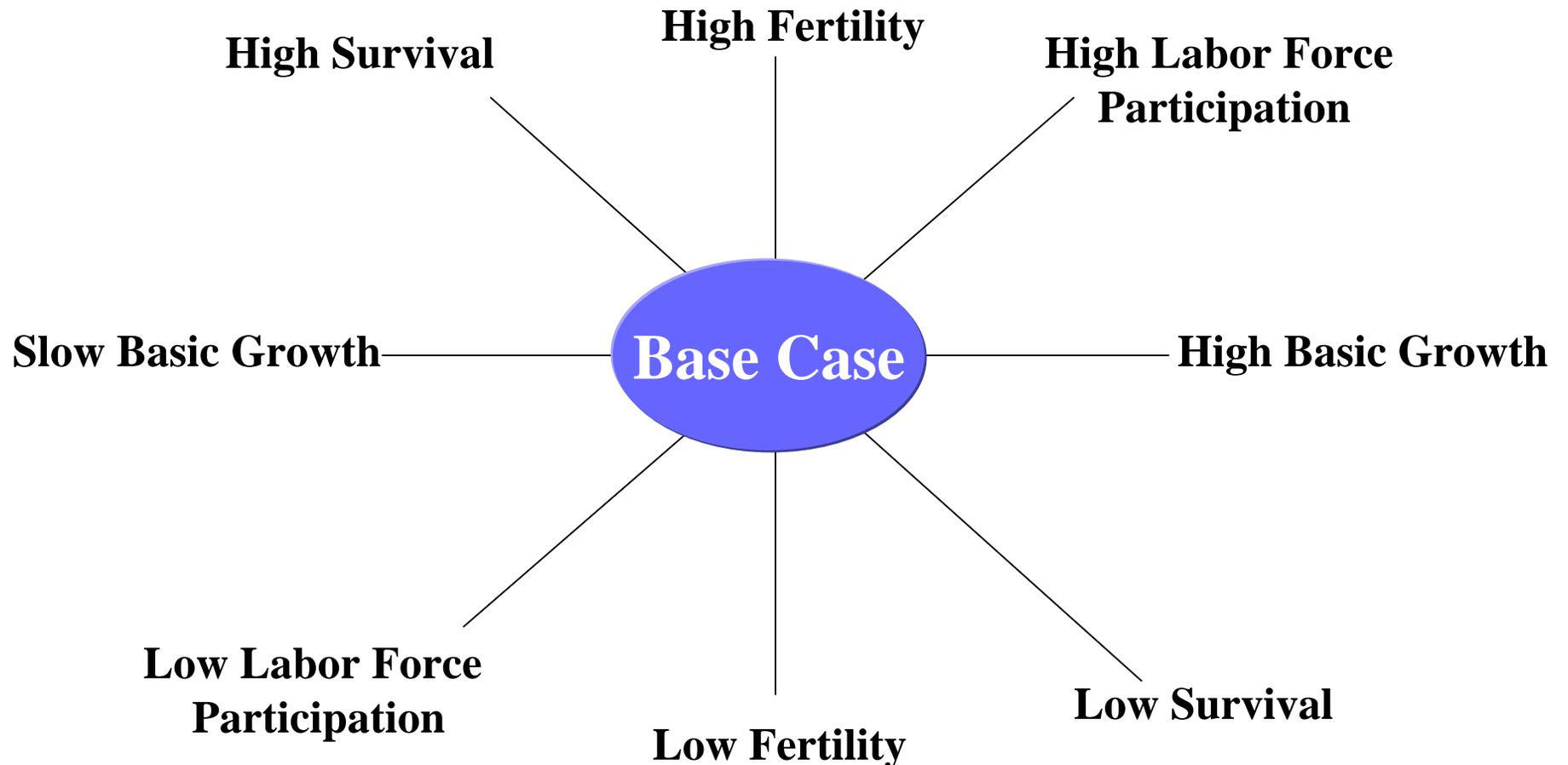


*In Utah the issue is not growth,
but quality. Stopping or
controlling growth is unrealistic.
Growth will happen. Our
generation's objective is to
preserve quality.*

Planning for the Future

- **Utah has the most distinctive demographic profile in the nation**
- **Decision makers must recognize the opportunities and challenges Utah's demographic characteristics present and plan carefully for the future**

Potential Future Scenarios

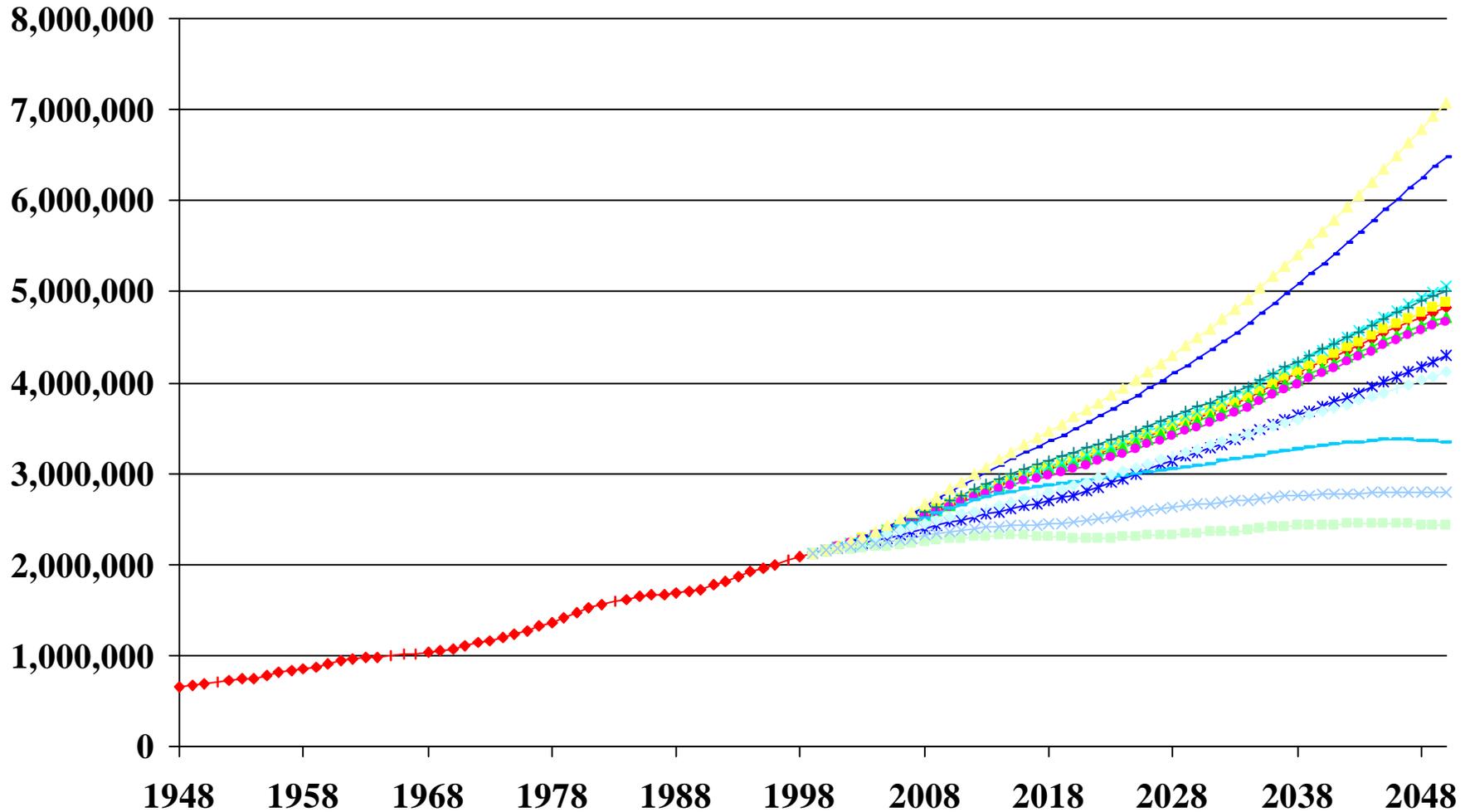


Ceterus Paribus Around the Base Case

Thirteen Scenarios

- **Base Case**: Medium fertility, mortality, economic growth, and labor force participation rates
- **Eight Ceterus Paribus Change Cases**: Around base case, as illustrated in previous slide
- **Zero Migration**: Economic Growth just sufficient so there is zero net employment related in-migration
- **Zero Economic Growth**: No growth in basic (export sector) employment
- **High Population Case**: High Fertility, Survival, Economic Growth, & Low Labor Force Participation
- **Low Population Case**: Low Fertility, Survival, Economic Growth, & High Labor Force Participation

Population Scenarios: Band Around 4.0 to 5.0 Million in 2050

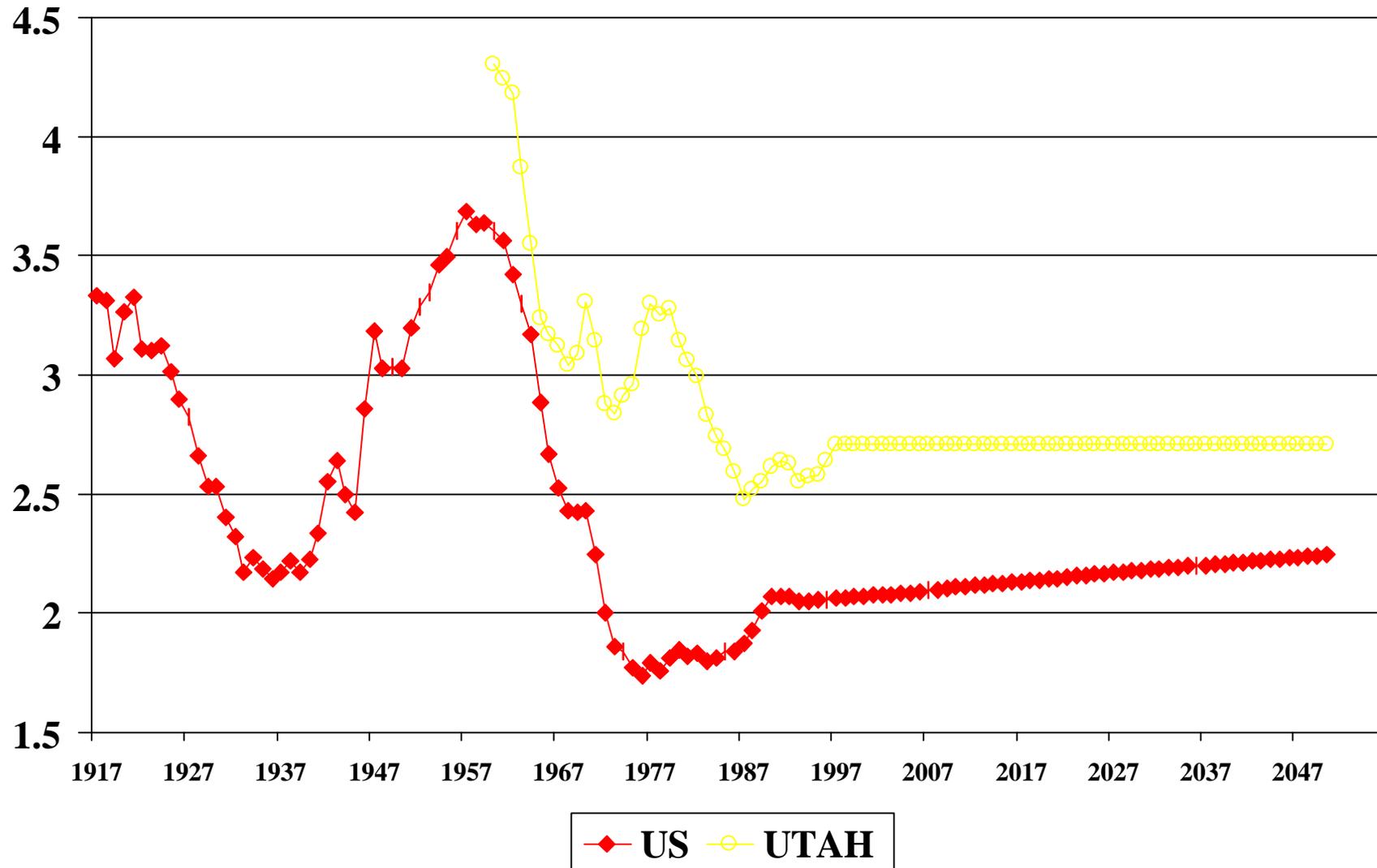


◆ Base	◆ Hi Surv	◆ Lo Surv	◆ Hi Fert	◆ Lo Fert
◆ Hi LFPR	◆ Lo LFPR	◆ Hi Bas Gr	◆ Lo Bas Gr	◆ Zero Mig
◆ Zero Gr	◆ Hi-Hi	◆ Lo-Lo		

Fertility Assumption

- Hold fertility constant at 1998 rates
- 1998 rate for Utah was 2.6
- 1998 rate for the U.S. was 2.0

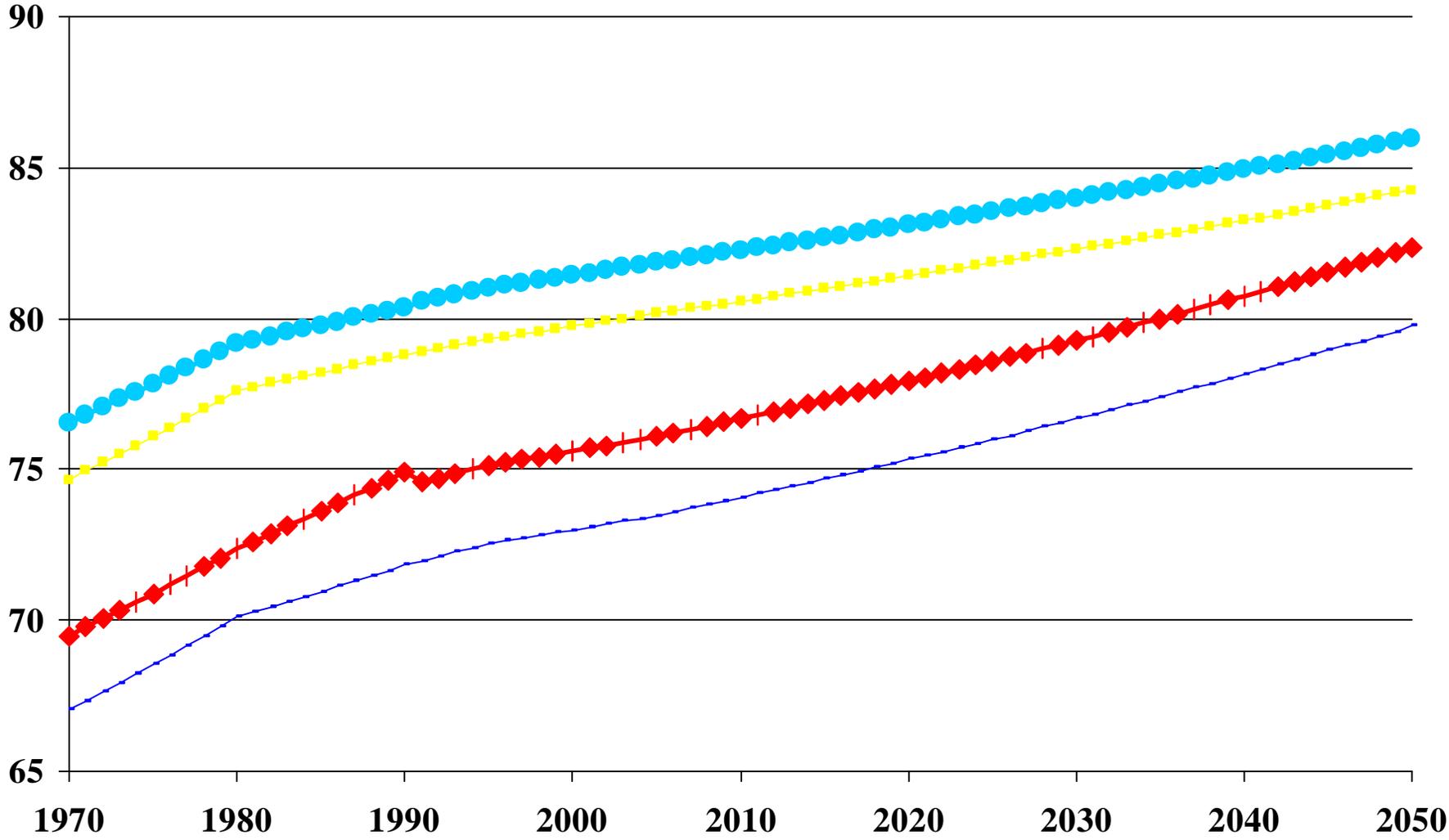
Historical and Projected Total Fertility Rates



Survival Assumption

- Maintain mean difference in life expectancy observed in 1970, 1980, and 1990 over projection interval.
- The projected US series is Census middle series.

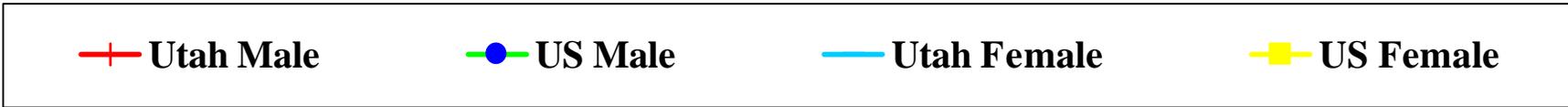
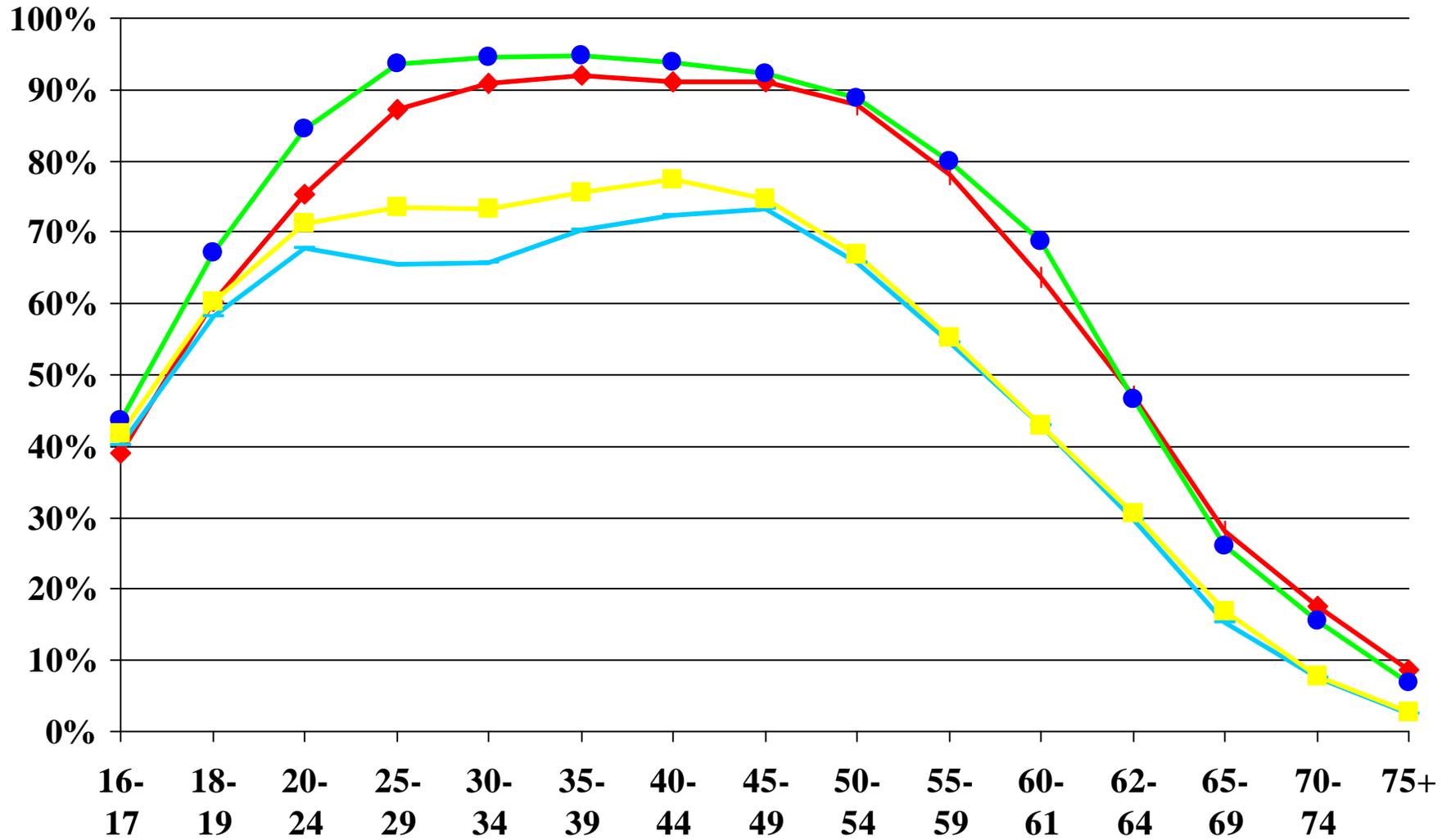
Life Expectancy at Birth: Utah vs. US



Labor Force Participation Rate Assumption

- Maintain relative differences with US projected series.

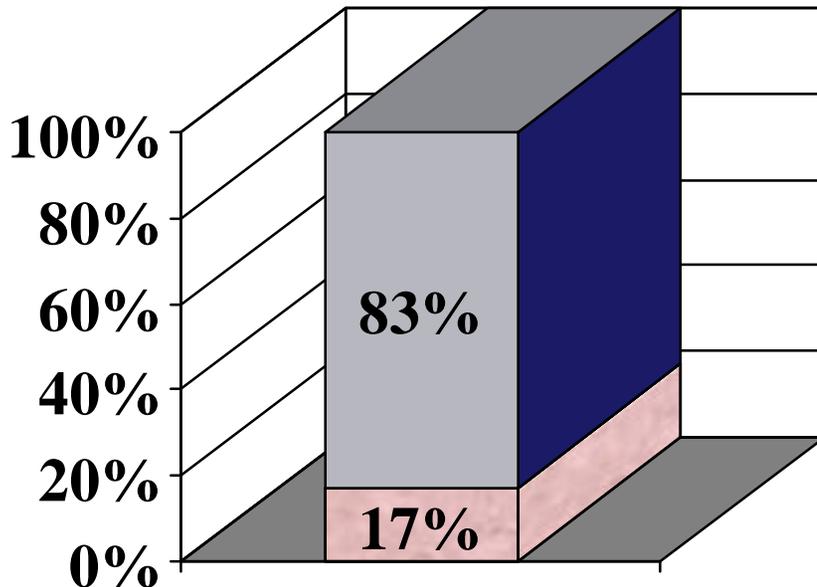
Labor Force Participation Rates by Age Group: 1990 For Utah & US



Economic Growth Projections

- Employment growth is the driver of the long run population path in the UPED model.
- These employment projections combine “top down” and “bottom up” methods.

Long Term Employment Growth



**Shares of
Population
Change**



- Net in-migration contributed 17% of population increase from 1948 - 1998.
- Long term employment growth is sufficient to generate the same relative component contributions for 1999 - 2050.

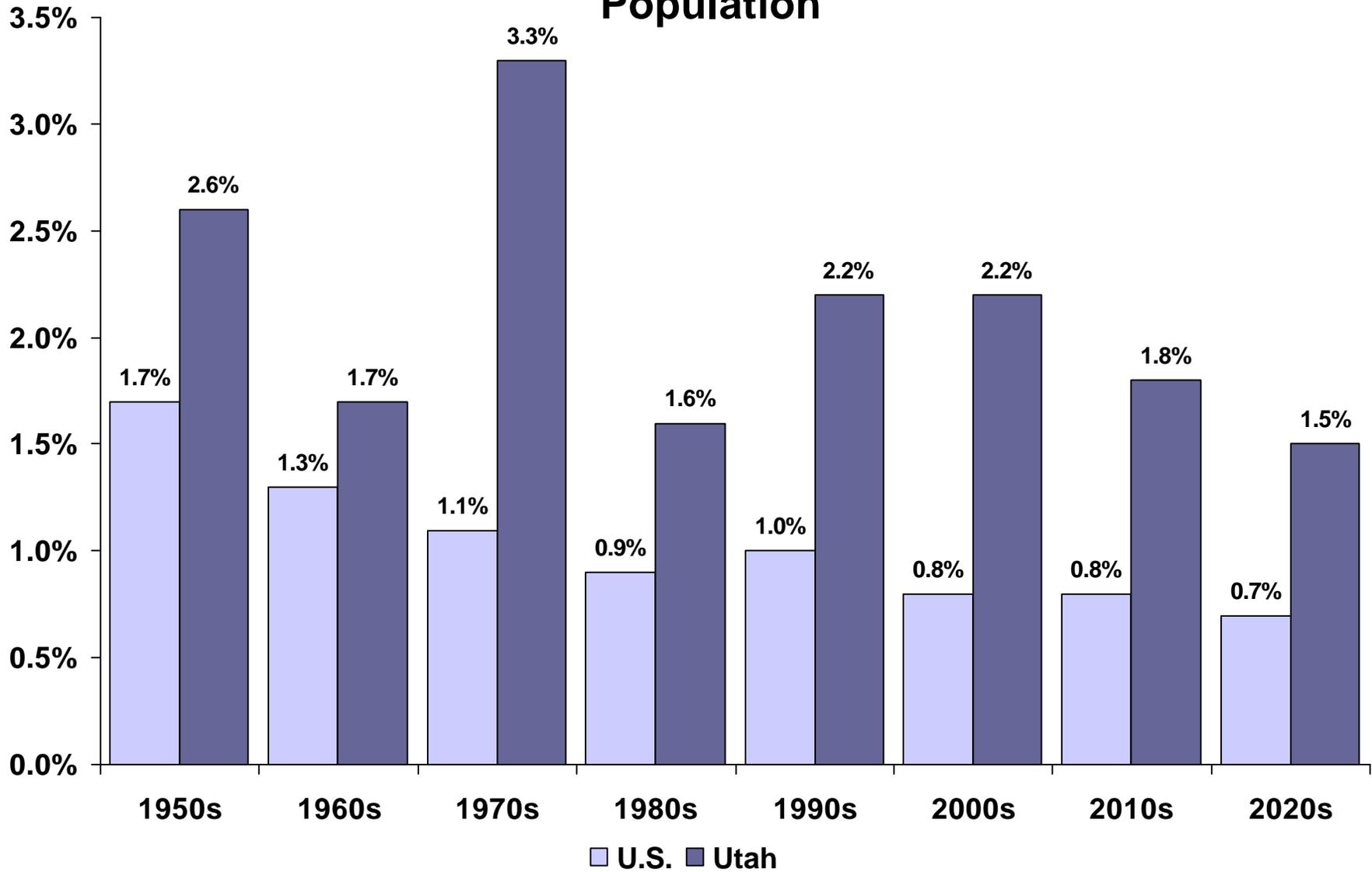
Short Term Employment Growth

- State level major industry employment for 1999 through 2004 is controlled to the results of the state's short term models.
- The results of the GOPB Olympic impact study are included.

Employment Projections

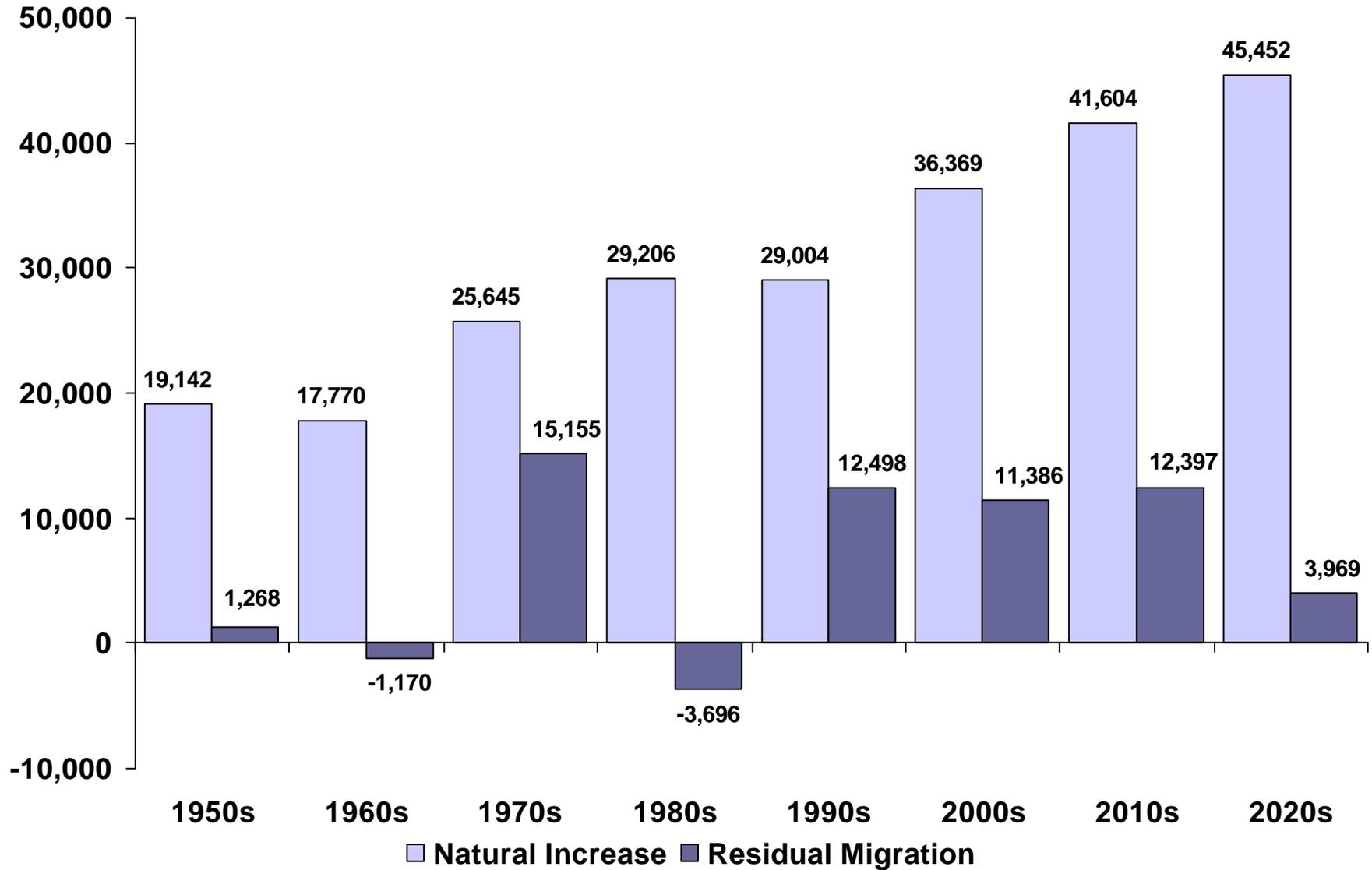
- Firm and industry specific assumptions have been produced by analysts at
 - Workforce Information, DWS
 - Associations of Government
 - Metropolitan Planning Organizations
 - Department of Natural Resources
 - Governor's Office of Planning and Budget

Decade Average Annual Rates of Change of Population



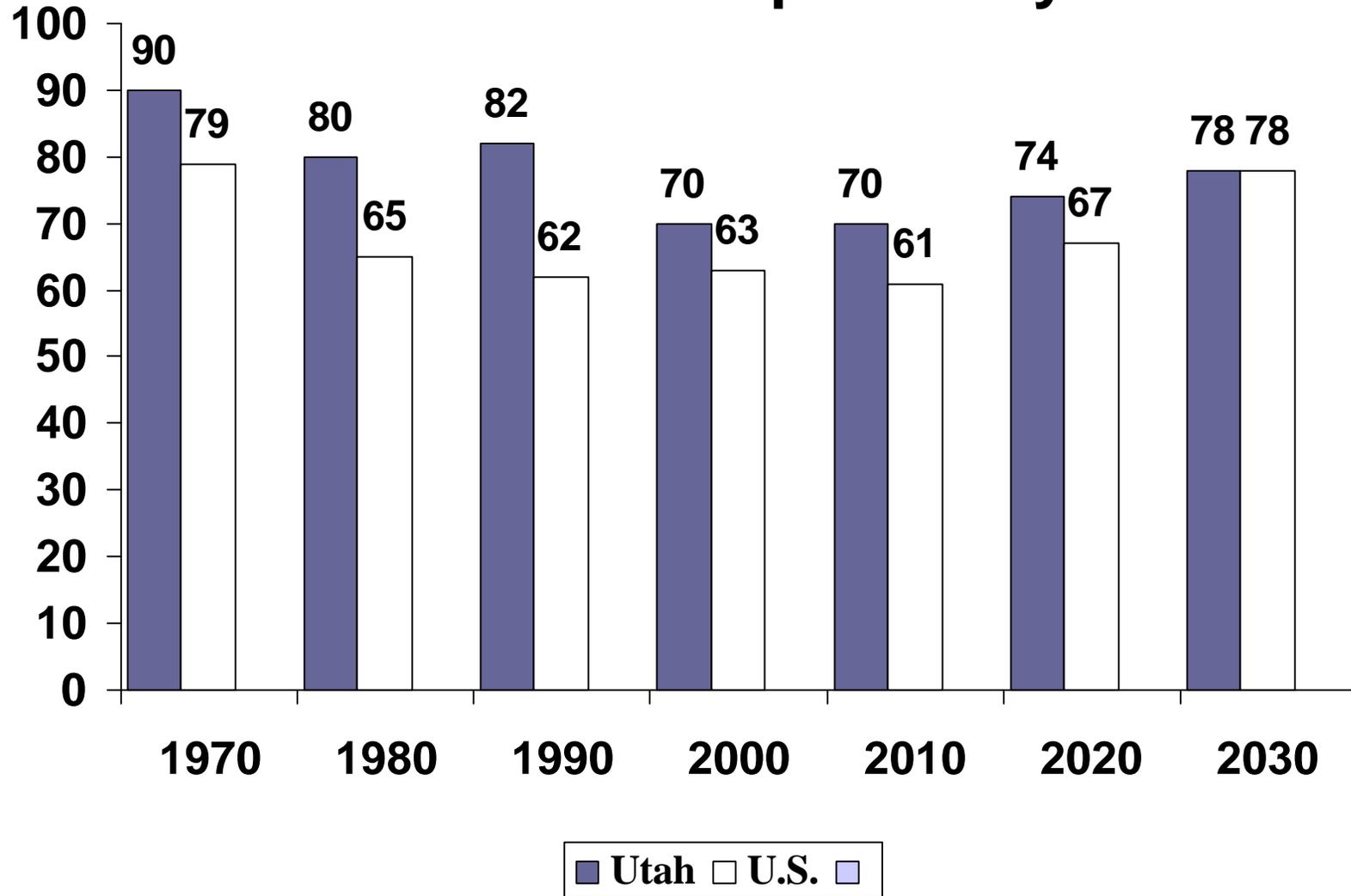
Source: Governor's Office of Planning and Budget, UPED Model

Utah Historical and Projected Population Increases: Components of Change (Number)



Source: Governor's Office of Planning and Budget, UPED Model

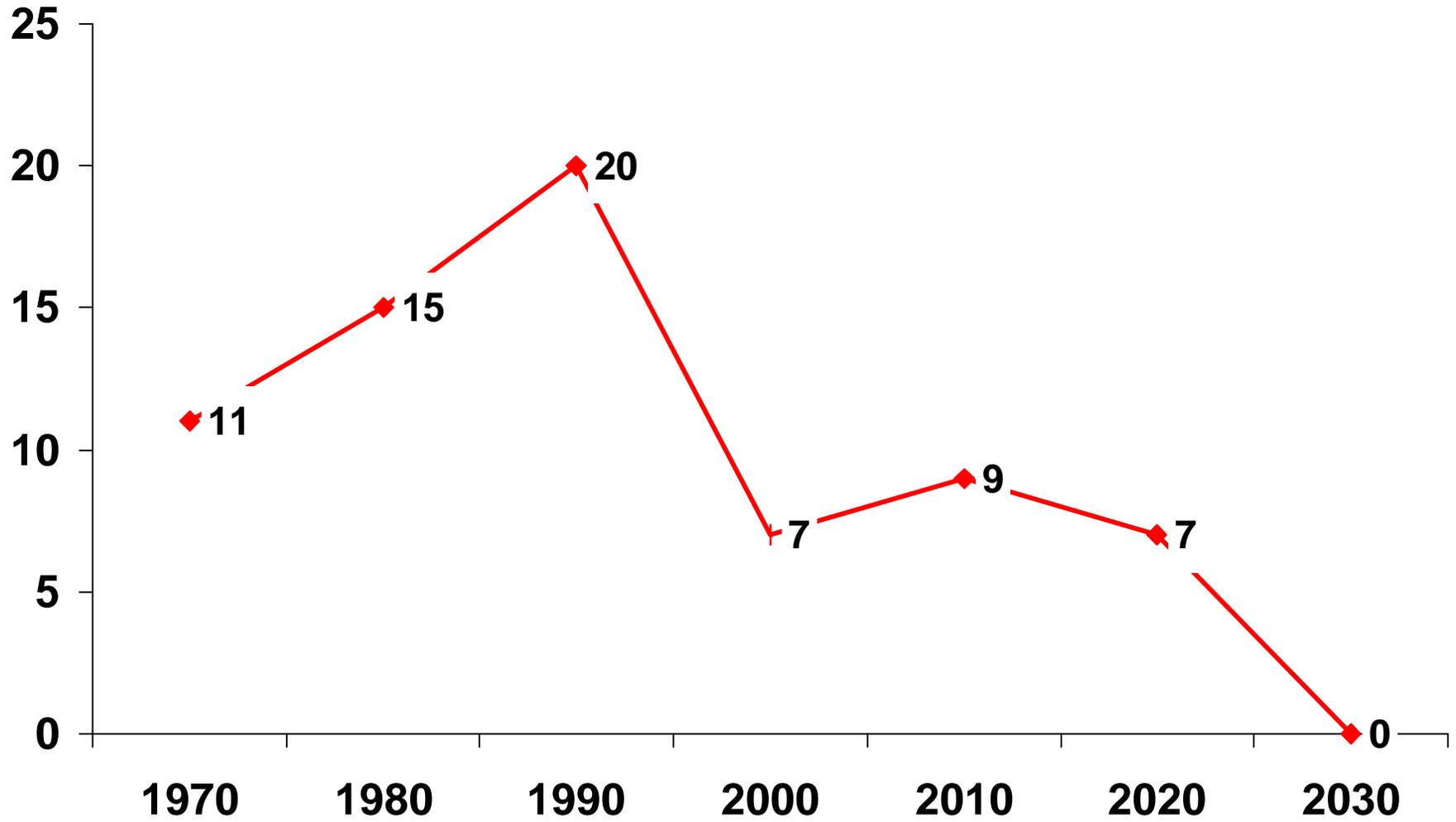
Utah and U.S. Dependency Ratios



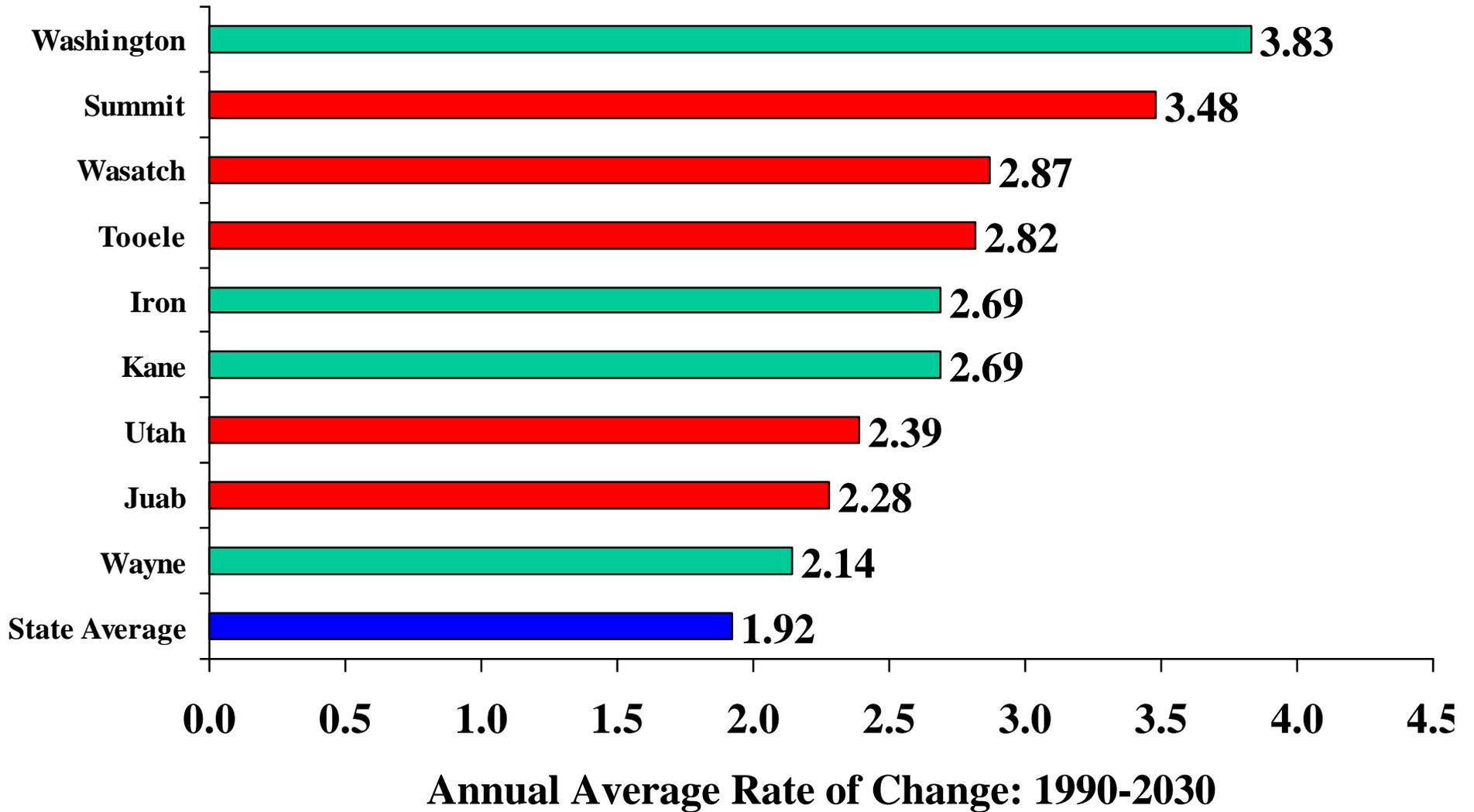
Note: These ratios show the number of non-working age persons for every one hundred persons of working-age (ages 16 through 64).

Source: Governor's Office of Planning and Budget, UPED Model

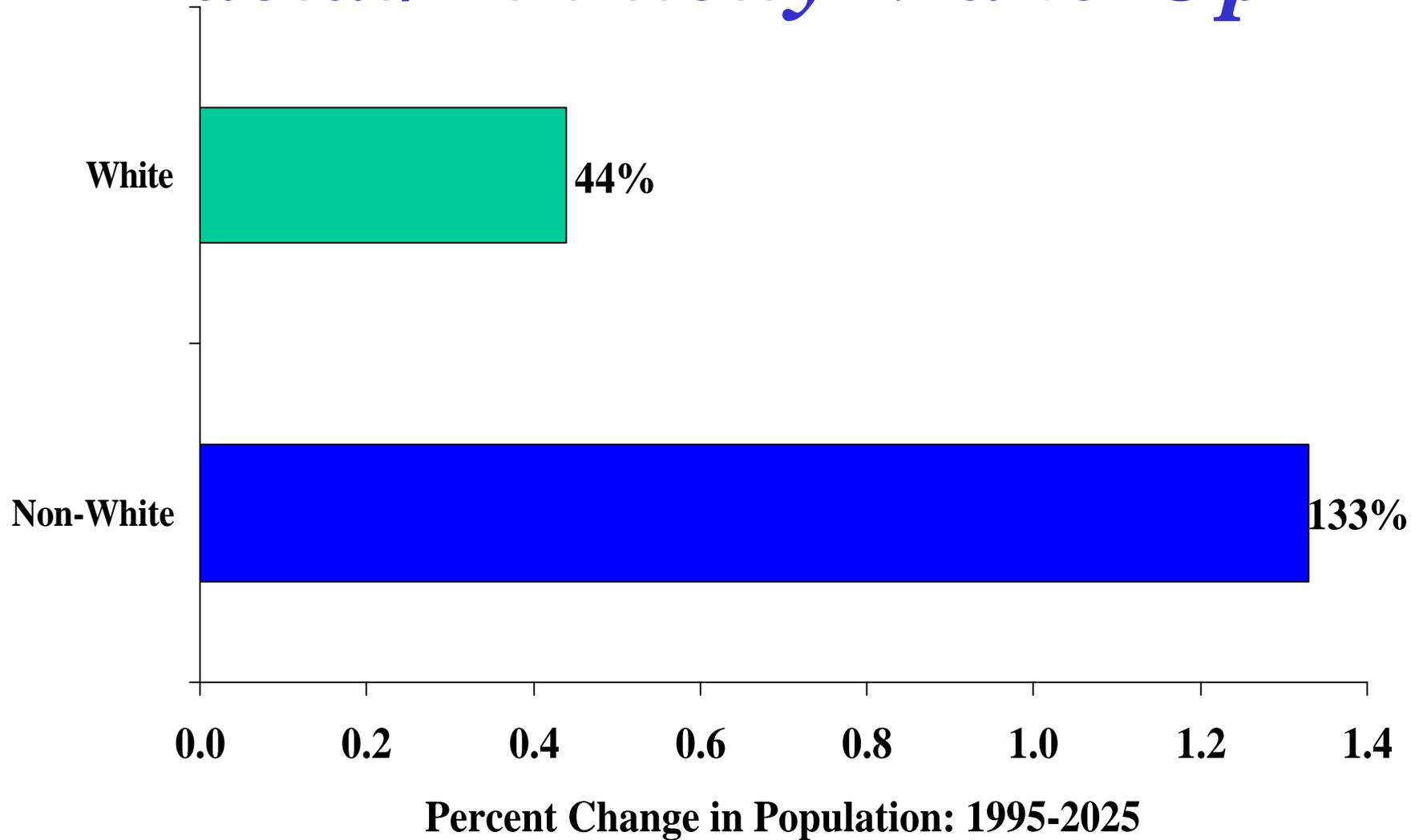
Spread Between Utah and U.S. Dependency Ratios



Utah's Fastest Growing Counties



Utah's Changing Racial/Ethnicity Make-Up



Source: Bureau of the Census

www.governor.state.ut.us/dea