The Coming Boom in Utah's School Age Population

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Utah's Youthful Population

- Demographic Characteristics
  - Fertility rate (2000): 2.76 (US = 2.13)
  - Median Age (2000): 27.1 (US = 35.3)
  - Household Size (2000): 2.59 (US=3.13)
  - School Age Dependency Ratio: 38.5 (US=30.5)
- Educational Implications
  - Per-pupil funding: $4,200 (lowest in nation)
  - Class size: 22.1 (highest in nation)

Projection Summary

- The number of school age persons will increase significantly, especially from 2004 thru 2016.
  - This wave will then impact higher education, particularly from 2016 through 2025.
- Given a range of reasonable growth and fertility assumptions, the boom will occur. Only the timing and magnitude are affected.
- The boom will mostly run its course by 2020.

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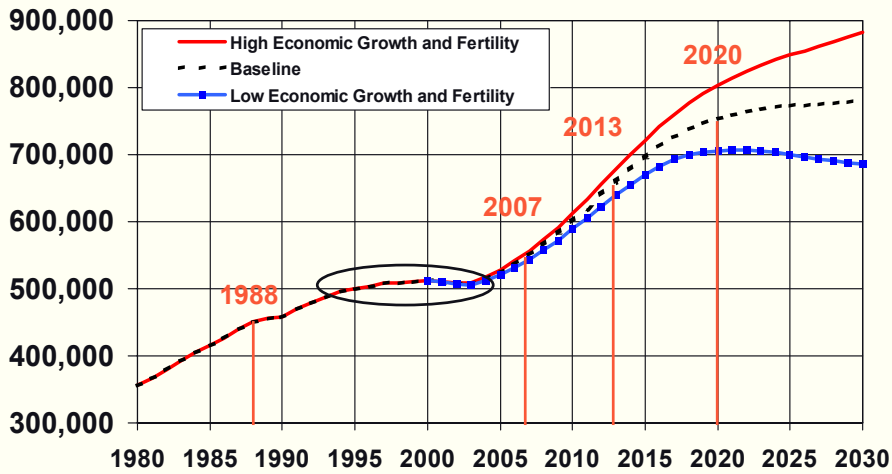
Historical and Projected Utah School Age Population:

Increments of 100,000 Since 1988 (450,000)



Source: GOPB UPED Model System, 2002 Baseline

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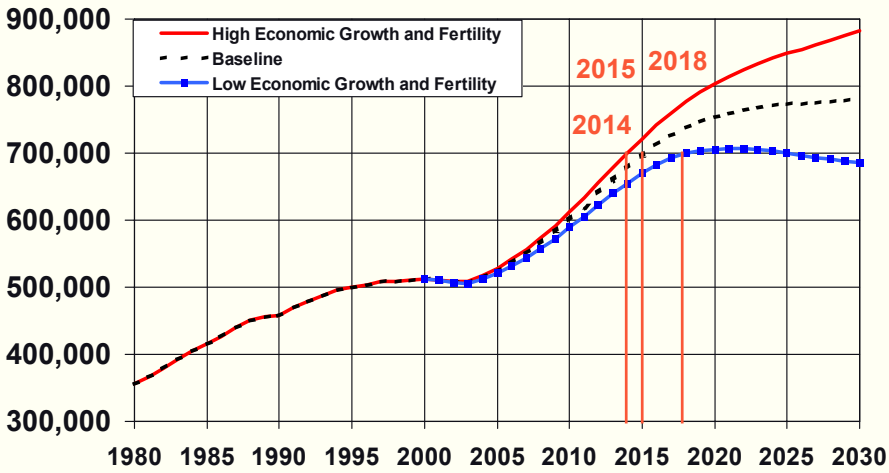
Historical and Projected Utah School Age Population:

Scenarios Reach 700,000 in 2014, 2015, and 2018



Source: GOPB UPED Model System, 2002 Baseline

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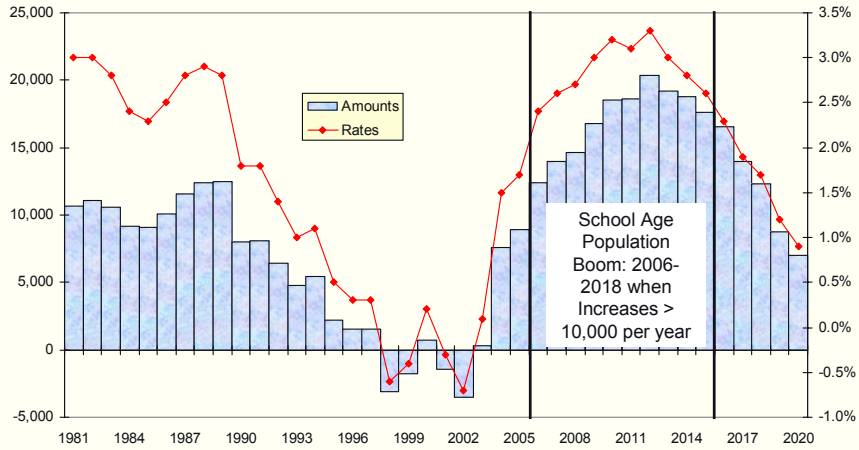
Year-Over Amounts and Rates of Change in the Utah School Age Population



Source: UPED Model System, 2002 Baseline

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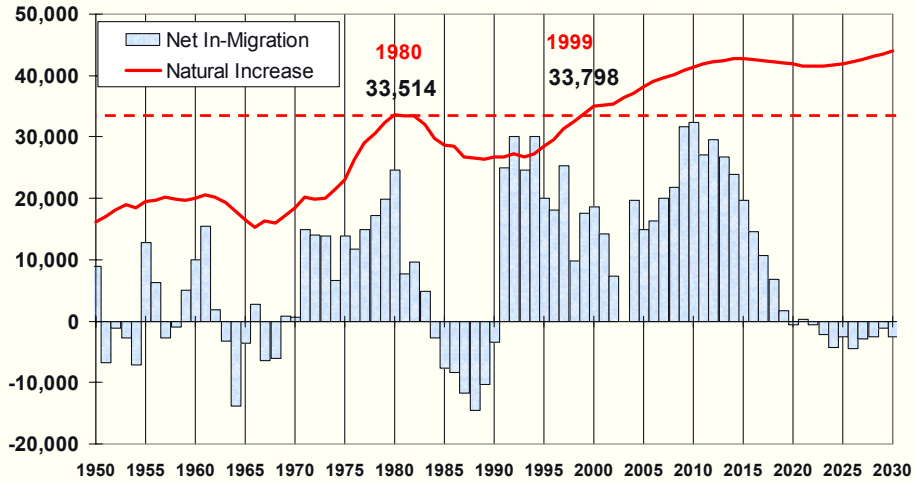
Utah Components of Population Change: 1950-2030



Source: Utah Population Estimates Committee, 2002 UPED Baseline

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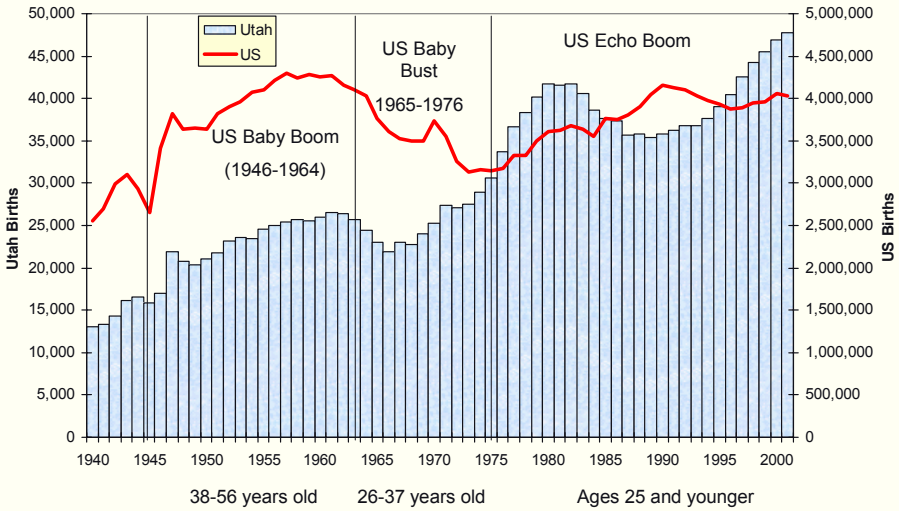
Utah & US Annual Births: 1940-2001



Source: Utah Population Estimates Committee, National Center for Health Statistics

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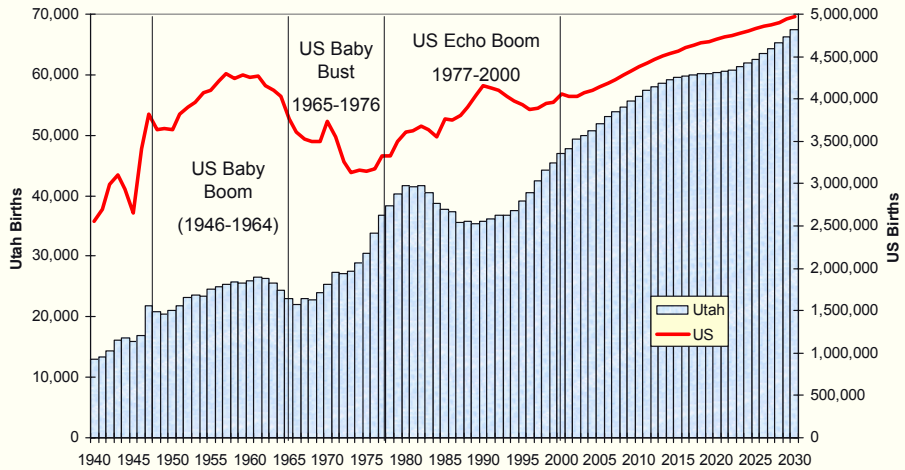
Utah & US Annual Births: 1940-2030



Source: UPEC, GOPB, NCHS, Bureau of the Census

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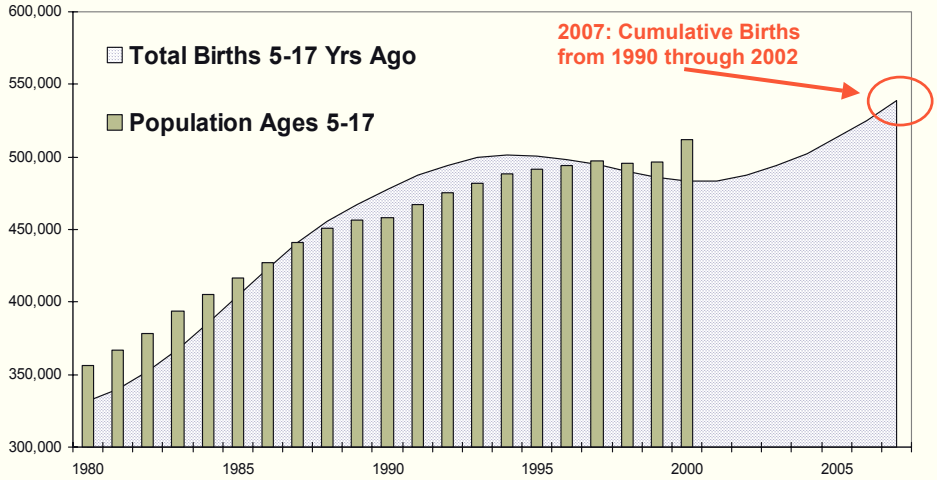
Utah: School Age Population and Births 5 through 17 Years Ago



Source: UPED Model System, 2002 Baseline; Utah Population Estimates Committee

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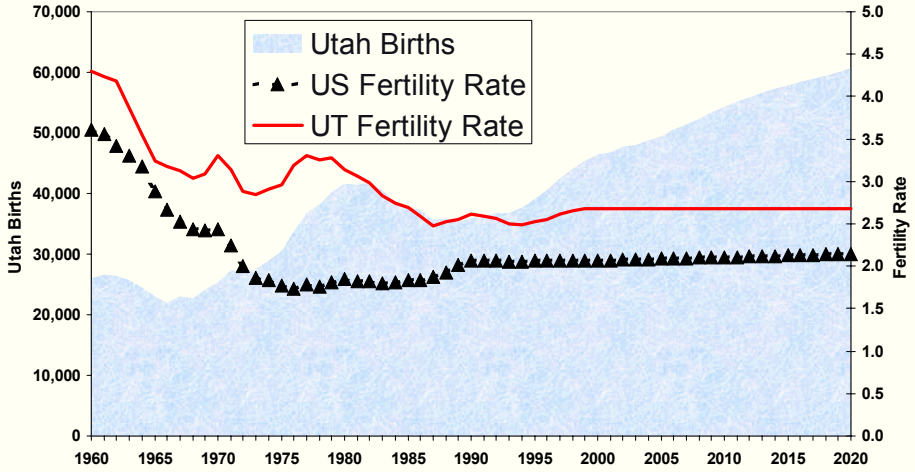
US and Utah Fertility Rates and Utah Births: 1960-2020



Source: Utah Bureau of Vital Record, National Center for Health Statistics, Bureau of the Census, UPED Model System

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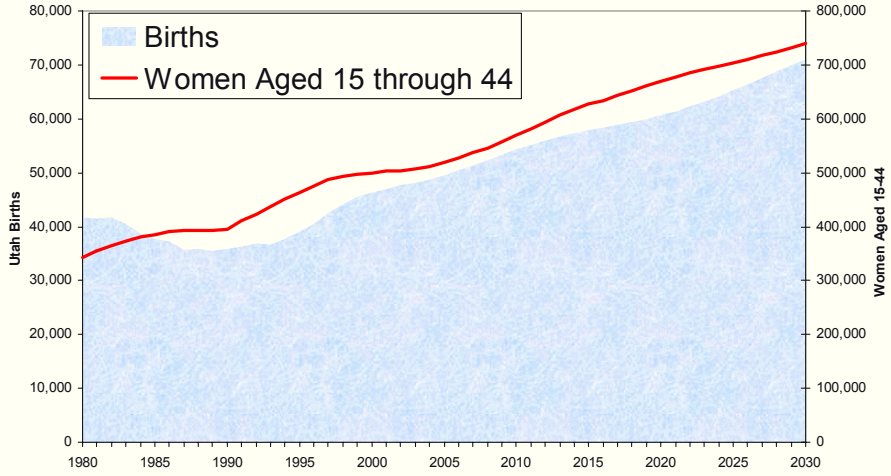
Utah Births and Women Aged 15-44



Source: Utah Bureau of Vital Record, UPED Model System

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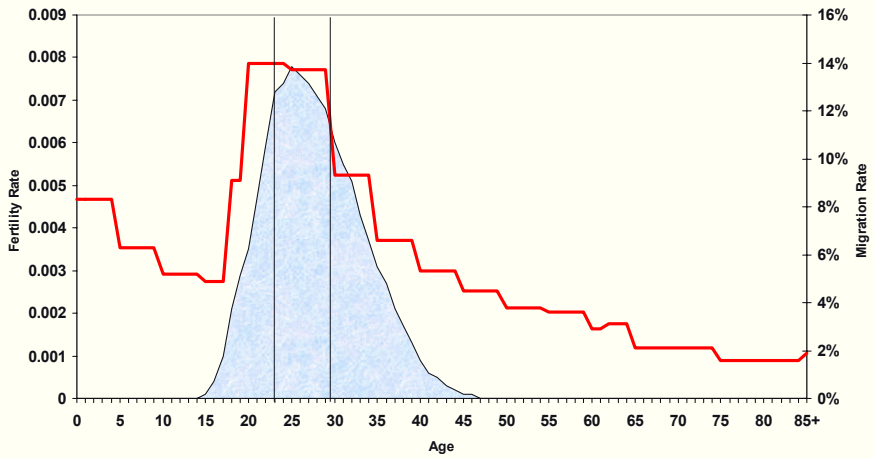
Age Specific Fertility and Migration Rates: 2000

Coincidence of High Rates for Ages 24 - 29



Source: Utah Bureau of Vital Records, Bureau of Labor Statistics (CPS)

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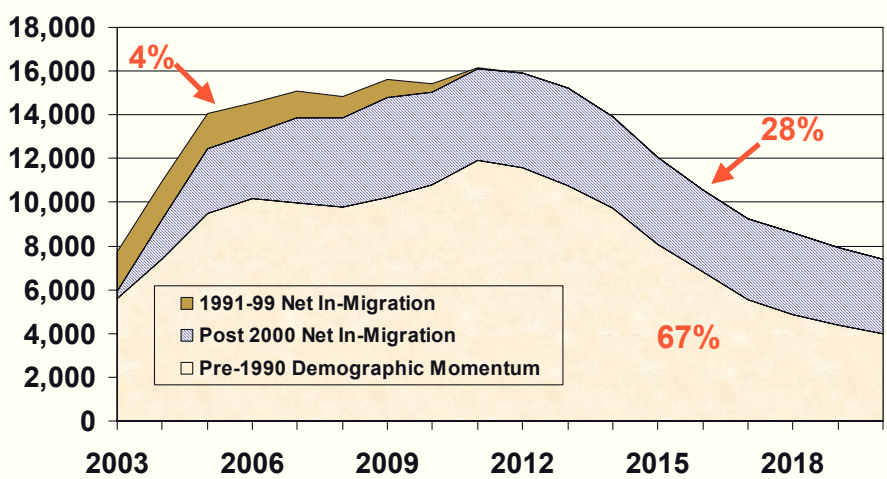
Contributions to the Growth in the Utah School Age Population: 2003-2020



Source: BEBR Analysis of UPED Model System data

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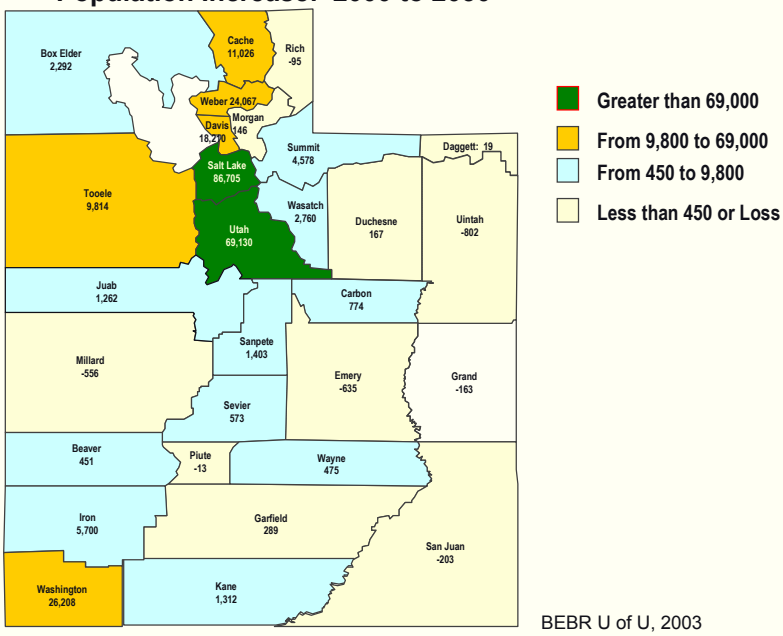
Projected Cumulative School Age Population Increase: 2000 to 2030



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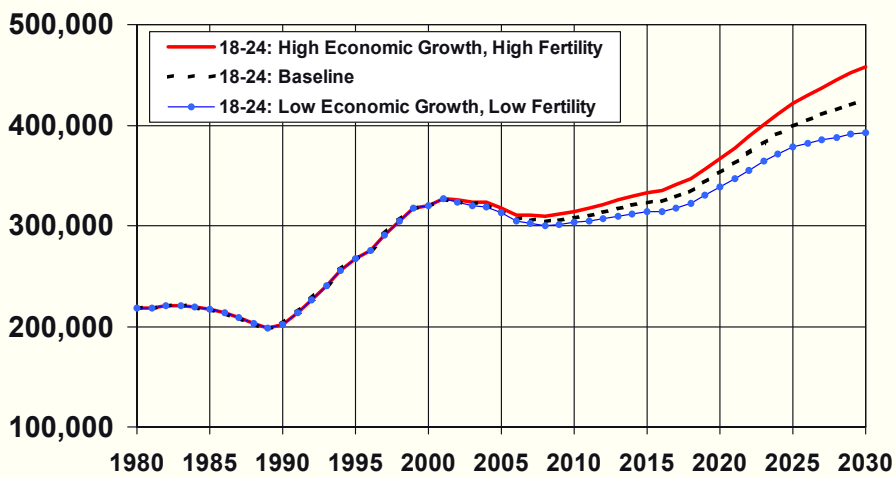
Source: BEBR Analysis of UPED Model System data

Historical and Projected Utah College Age (18 through 24 years old) Population



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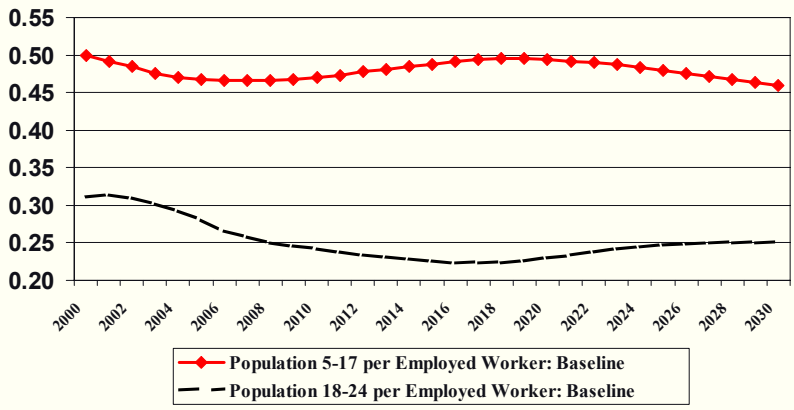
Source: GOPB UPED Model System, 2002 Baseline

Utah Projected School Age (5-17) Population and College Age (18-24) Population per Employed Worker



Source: GOPB UPED Model System, 2002 Baseline

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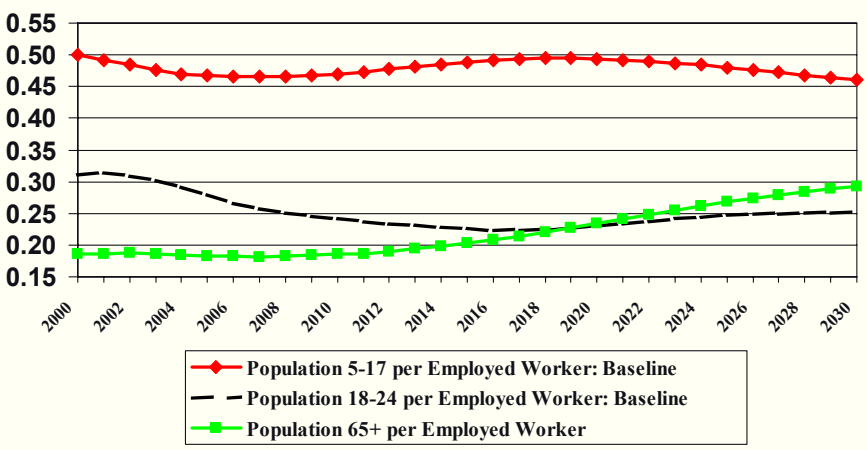
Utah Projected School Age, College Age, and Retirement Age Populations per Employed Worker



Source: UPED Model System, 2002 Baseline

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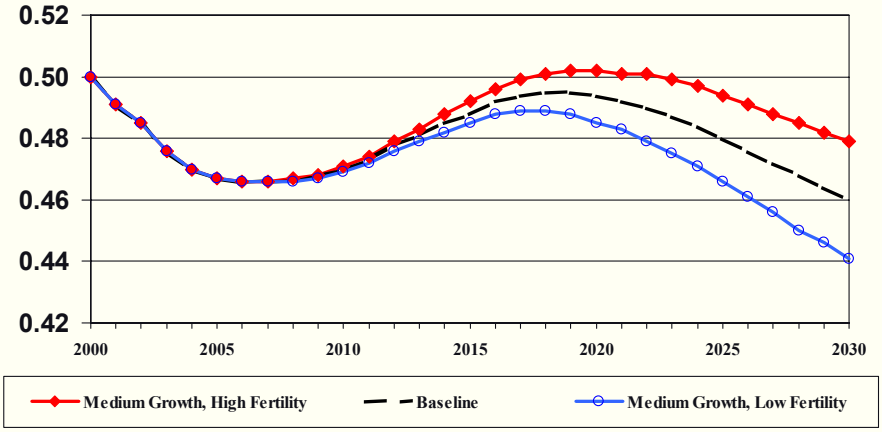
Utah Projected School Age (5-17) Population per Employed Worker: Fertility Scenarios



Source: GOPB UPED Model System, 2002 Baseline

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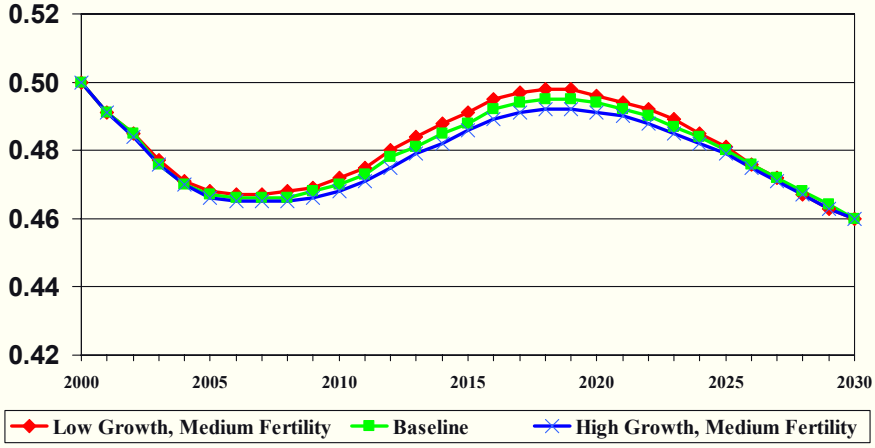
Utah Projected School Age (5-17) Population per Employed Worker: Economic Growth Scenarios



Source: GOPB UPED Model System, 2002 Baseline

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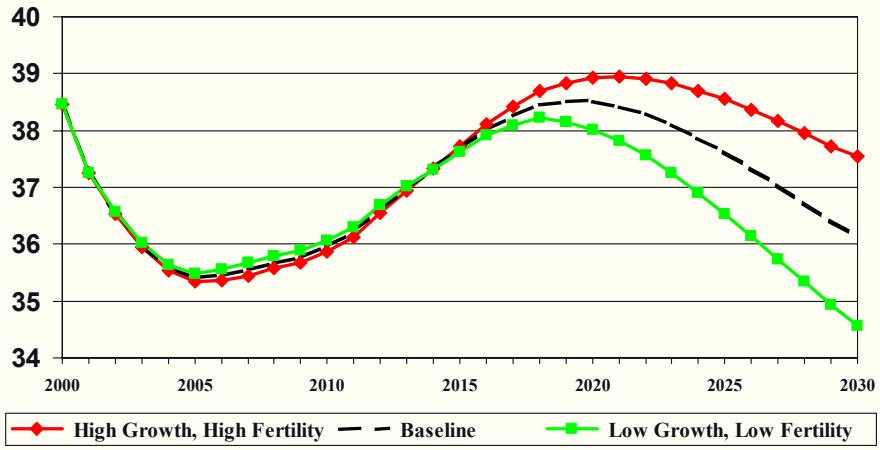
Utah Projected School Age (5-17) Population Dependency Ratio: Fertility & Growth Scenarios



Source: UPED Model System, 2002 Baseline

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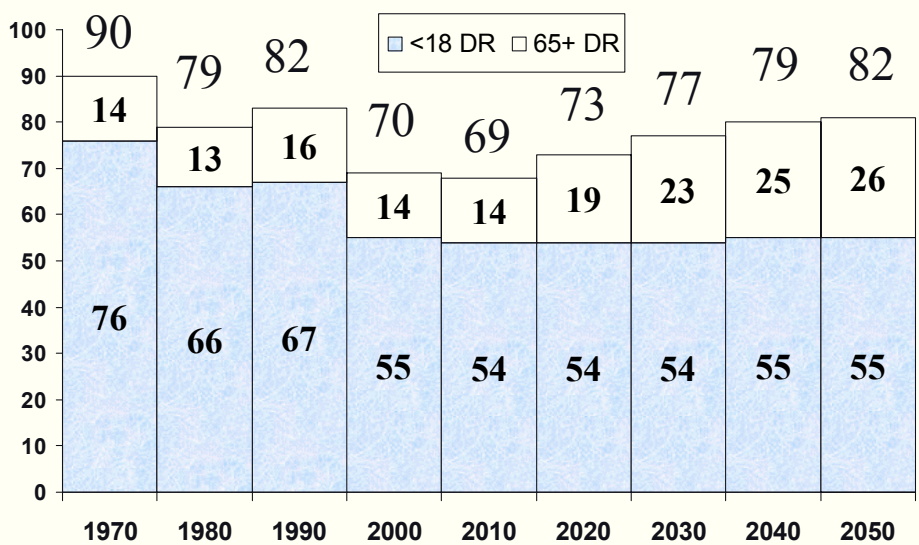
Utah Dependency Ratios: 1970 - 2050 (Base Case)



Source: UPED Model System

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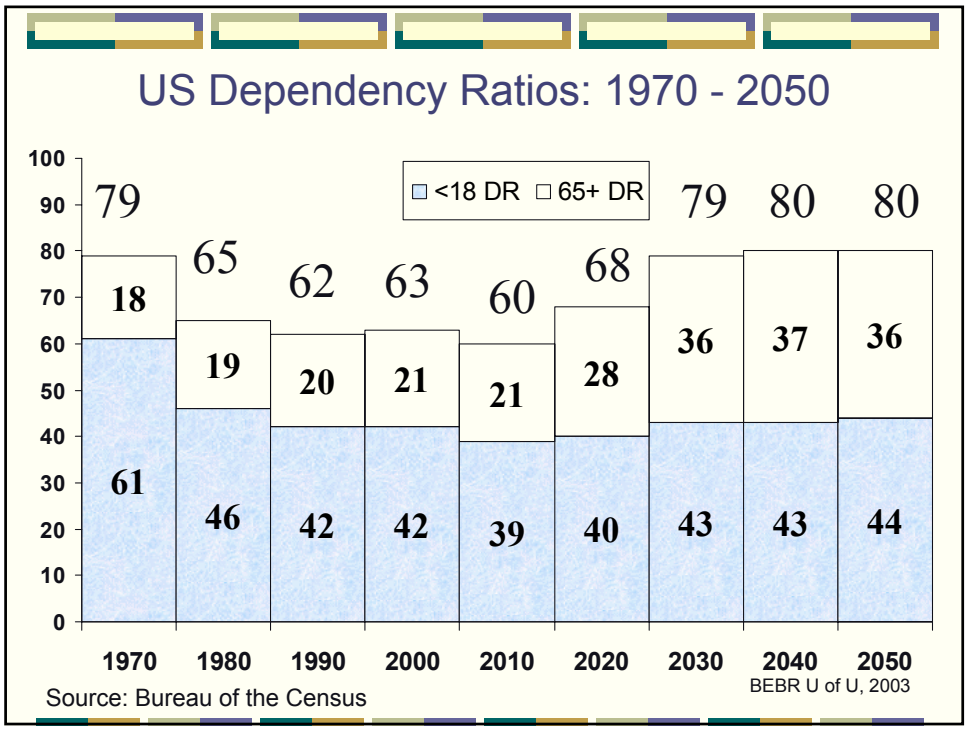
US Dependency Ratios: 1970 - 2050
<18 DR
65+ DR
100
90
80
70
60
50
40
30
20
10
0
79
65
62
63
60
68
79
80
80
18
19
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21
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61
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42
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40
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43
44
1970
1980
1990
2000
2010
2020
2030
2040
2050
Source: Bureau of the Census
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