POPULATION, ECONOMIC, AND AGING OVERVIEW

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State Demography Office

Colorado Department of Local Affairs

May 2014

www.colorado.gov/demography

State Demography Office

- State agency
  - Responsible for population data needed by state agencies
- Department of Local Affairs
  - Prepare data and information in ways that account for local perspectives, needs
- Public information
  - Make data and information readily available to the public, including citizens, businesses and non-profit agencies
- Outreach
  - Work with local governments and others to understand what the numbers are saying

Big Picture 2012-2013 Pop Change

US – 316 million, + 2.2 million or .7%

Colorado

- 5,268,367
- Ranked 4th fastest 1.5% - ND, DC, UT
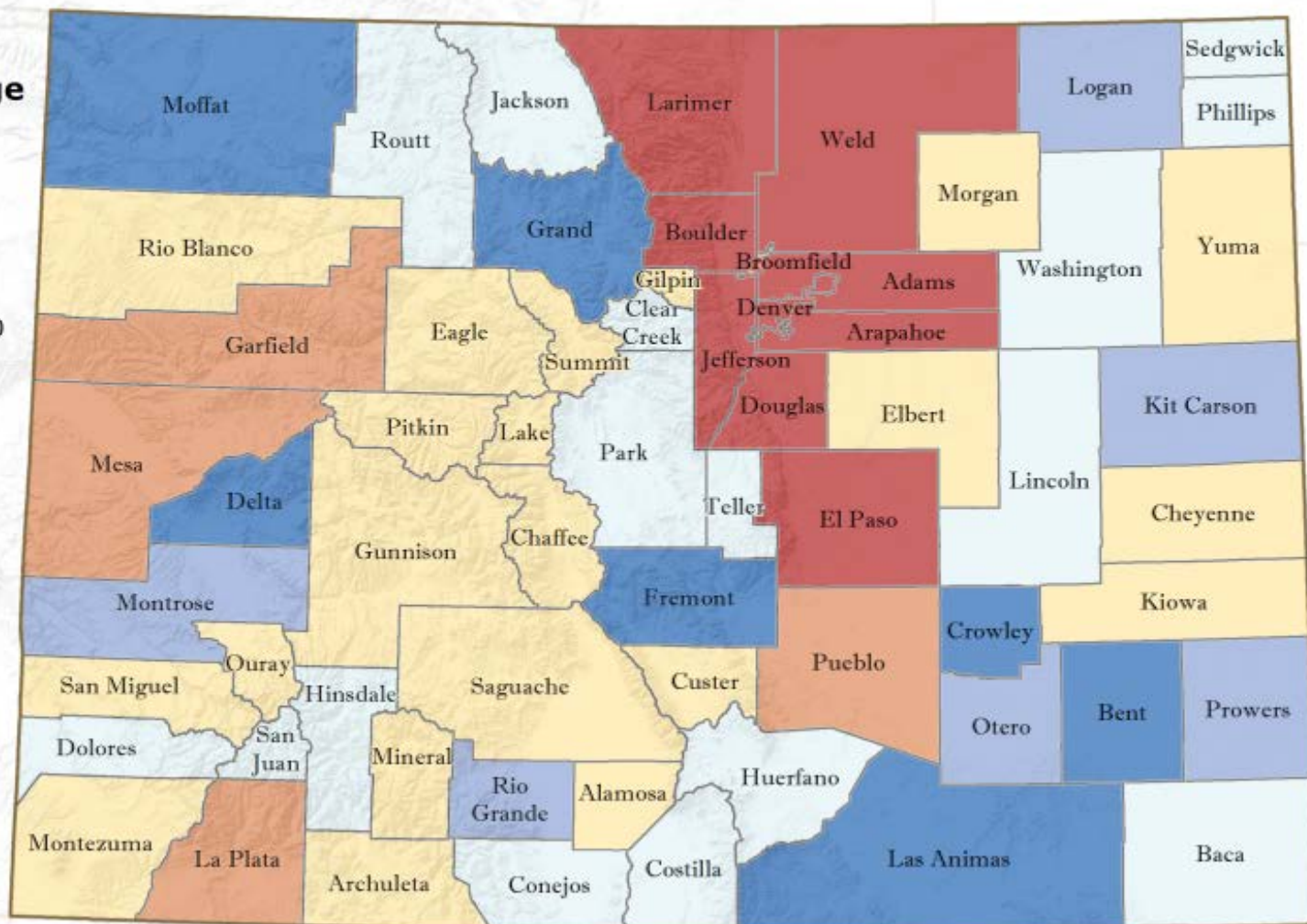- 5th absolute growth 78,909 – TX, CA, FL, NC

Range in Colorado
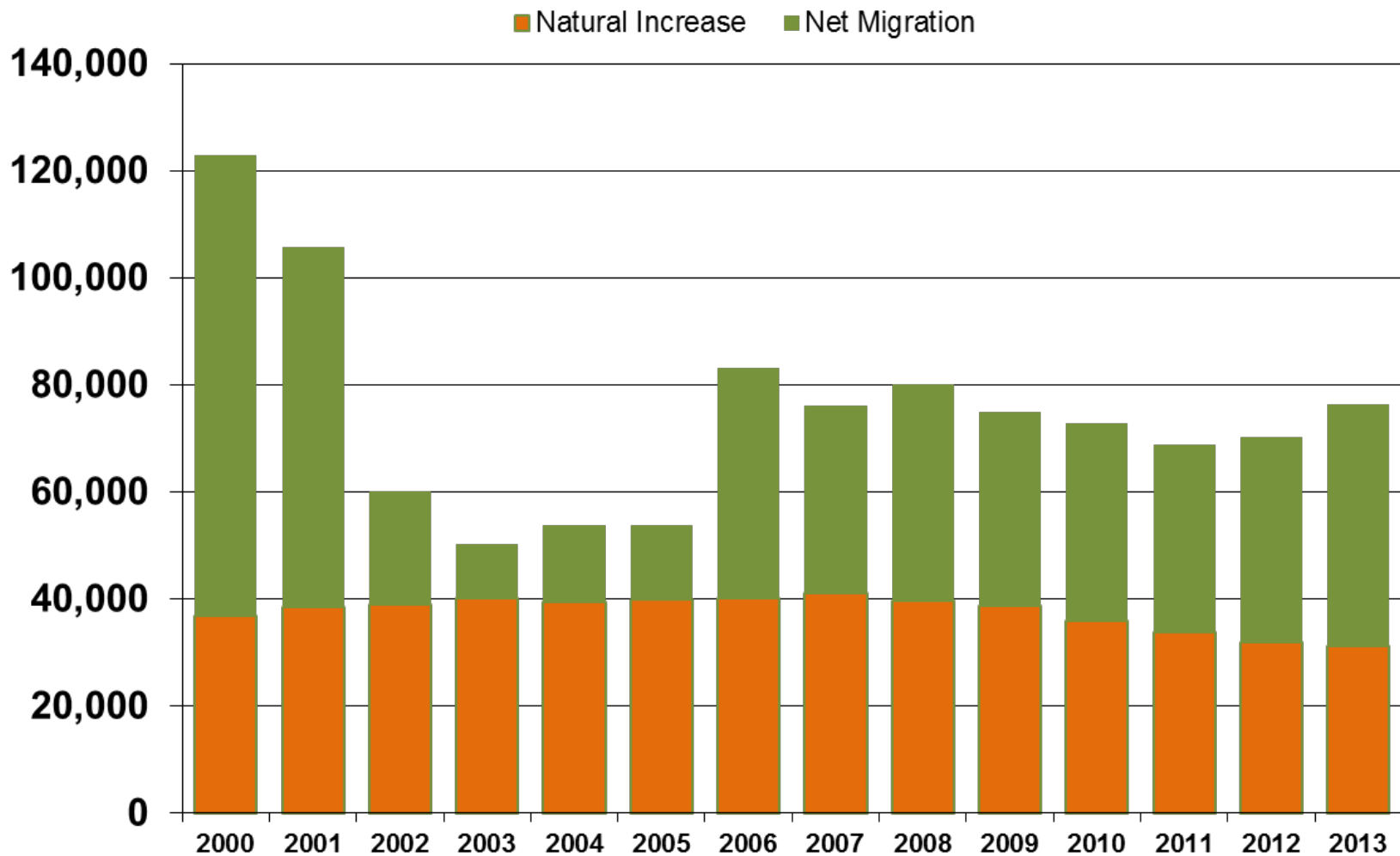
+14,000 to -680

Or +3% to -4%

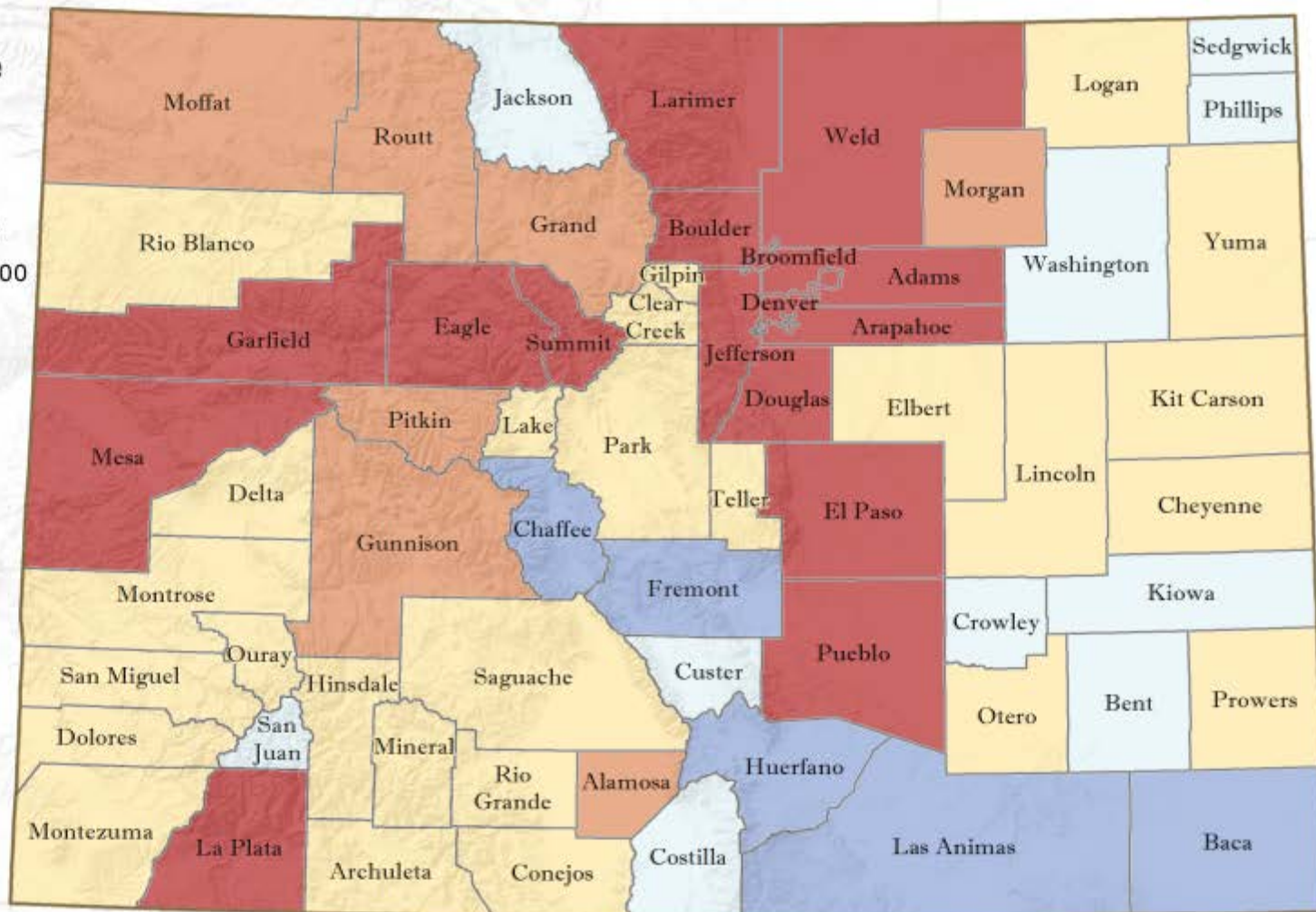# Colorado: Total Population Change
2010 - 2013

Population Change
2010 to 2013

- Loss > 500
- Loss: 201 to 500
- Loss: 0 to 200
- Gain: 1 to 1,000
- Gain: 1,001 to 10,000
- Gain > 10,000

Colorado State Demography Office, 04/23/2014

Sources: Esri, USGS, NOAA

Components of Colorado Population Change 2000-2013

Colorado: Natural Population Increase
2010 - 2013

Natural Increase
2010 to 2013

- Decline: > 50
- Decline: 0 to 50
- Increase: 1 to 150
- Increase: 151 to 600
- Increase: > 600

Data: Colorado State Demography Office
Created: 04/23/2014

Sources: Esri, USGS, NOAA

Colorado: Net Migration
2010 - 2013

Net Migration
2010 to 2013

- Loss: > 500
- Loss: 251 to 500
- Loss: 0 to 250
- Gain: 1 to 1,000
- Gain: 1,001 to 10,000
- Gain: > 10,000

Moffat, Routt, Jackson, Larimer, Weld, Logan, Sedgwick, Phillips, Morgan, Grand, Boulder, Broomfield, Gilpin, Clear Creek, Denver, Adams, Washington, Yuma, Rio Blanco, Eagle, Summit, Jefferson, Arapahoe, Garfield, Douglas, Kit Carson, Pitkin, Lake, Park, Elbert, Lincoln, Mesa, Teller, El Paso, Cheyenne, Delta, Chaffee, Gunnison, Fremont, Kiowa, Montrose, Crowley, Ouray, San Miguel, Hinsdale, Saguache, Custer, Pueblo, Otero, Bent, Prowers, Dolores, San Juan, Mineral, Rio Grande, Alamosa, Huerfano, Montezuma, La Plata, Archuleta, Conejos, Costilla, Las Animas, Baca

Data: Colorado State Demography Office
Created: 04/23/2014

Sources: Esri, USGS, NOAA

Net Migration by Age 2000-2010
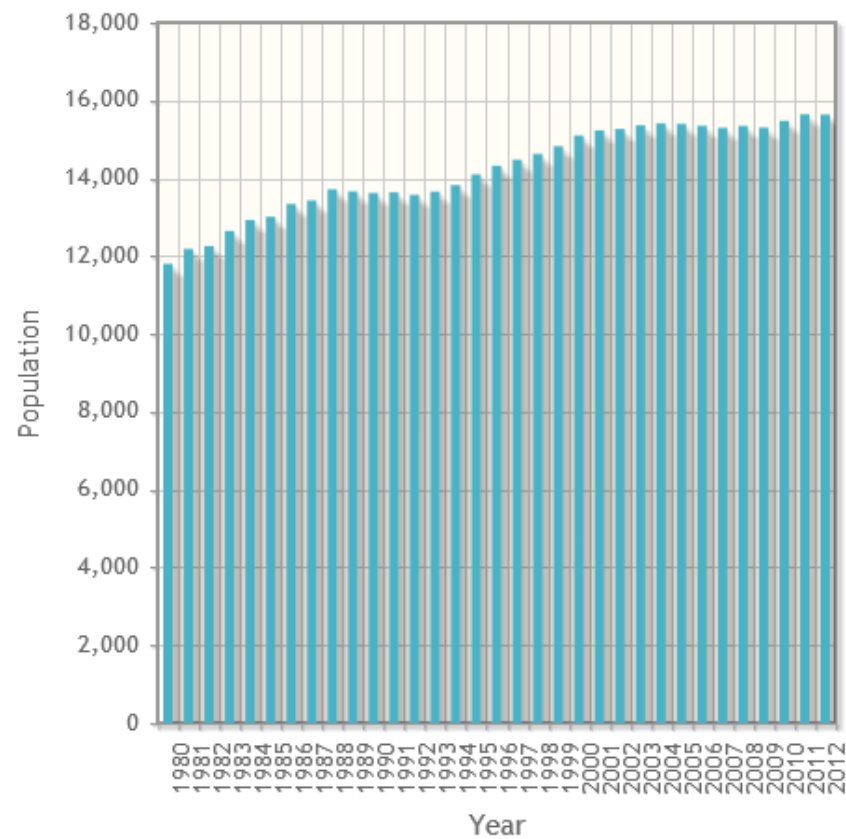Source: Census Bureau, State Demography Office
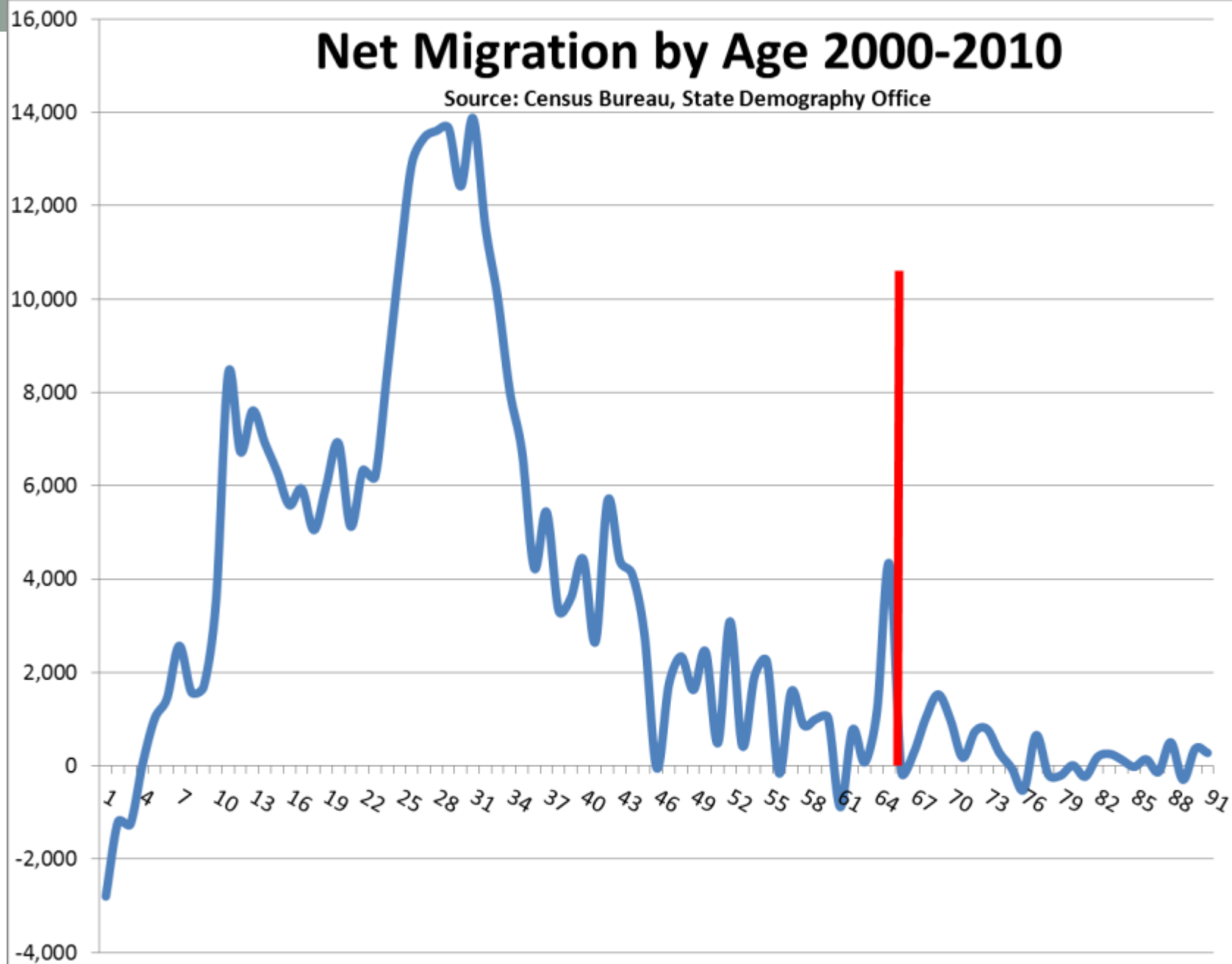
[Demography](#) Dashboard

- Migration by age
- Population Estimates
- Population Forecasts
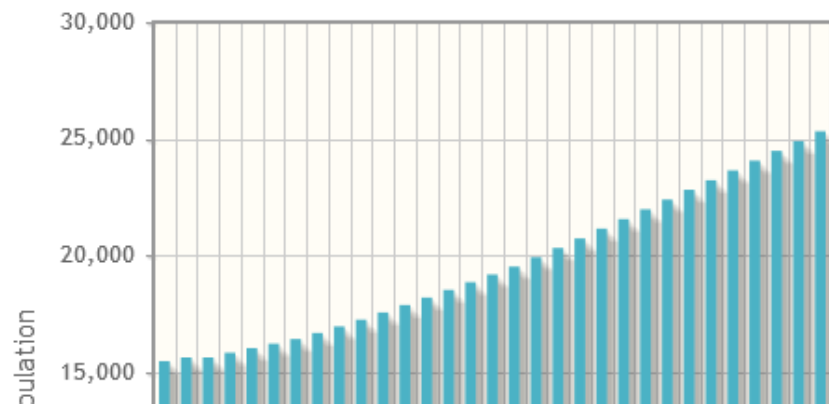- Components of Change
  - And Visualization
- Characteristics
  - [ACS Web Map](#)

Net Migration by Age 2000 to 2010: ℹ ⬇ 📊CSV
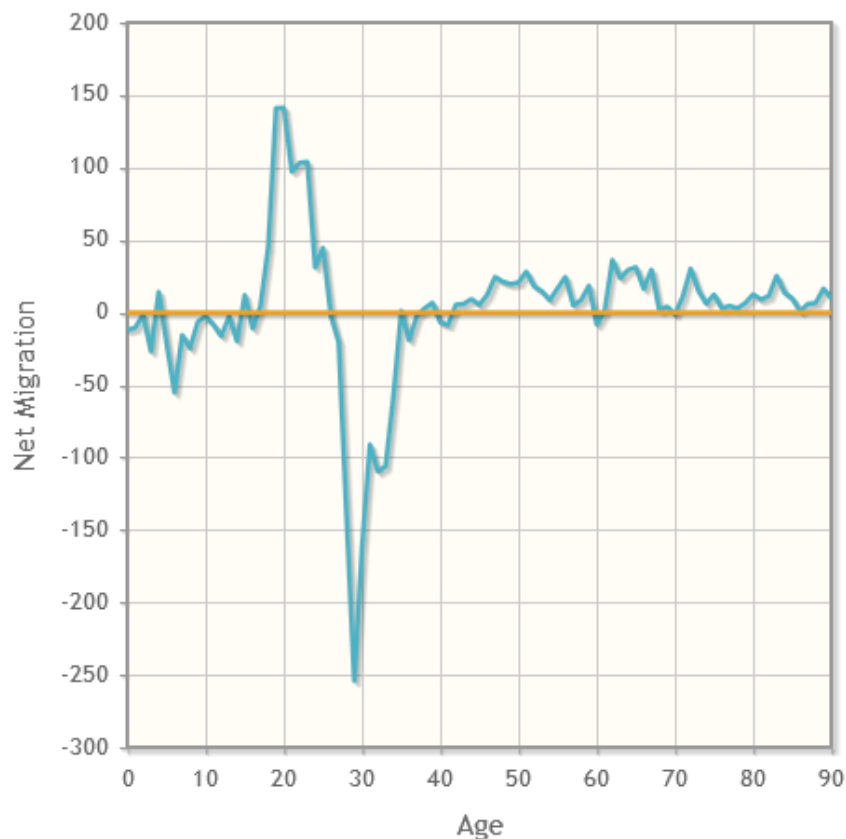
Population Estimates 1980 to 2012: ℹ ⬇ 📊CSV

Population Projections 2010 to 2040: ℹ ⬇ 📊CSV

Components of Change 1980 to 2011: ℹ ⬇ 📊CSV
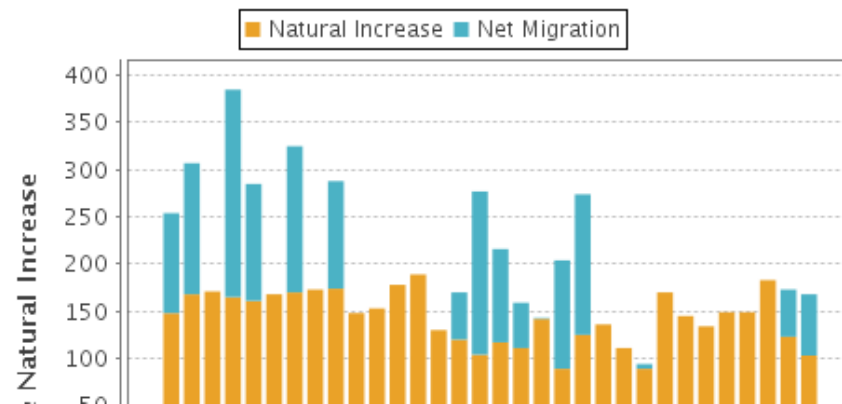
Colorado New Jobs and Net Migration
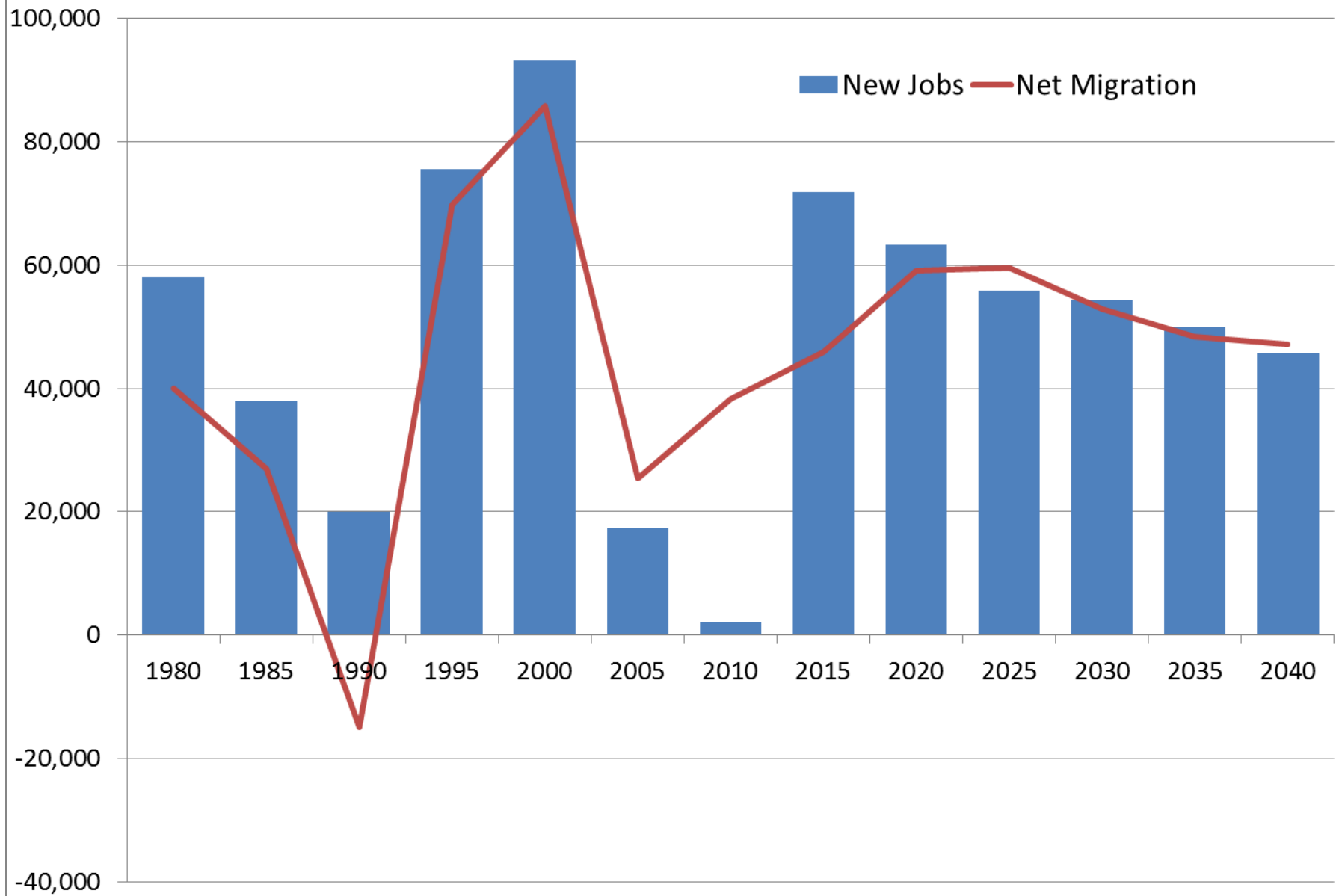
Colorado Total Jobs - Peak to Trough Comparison

2,920,270

2,901,544

2,888,141
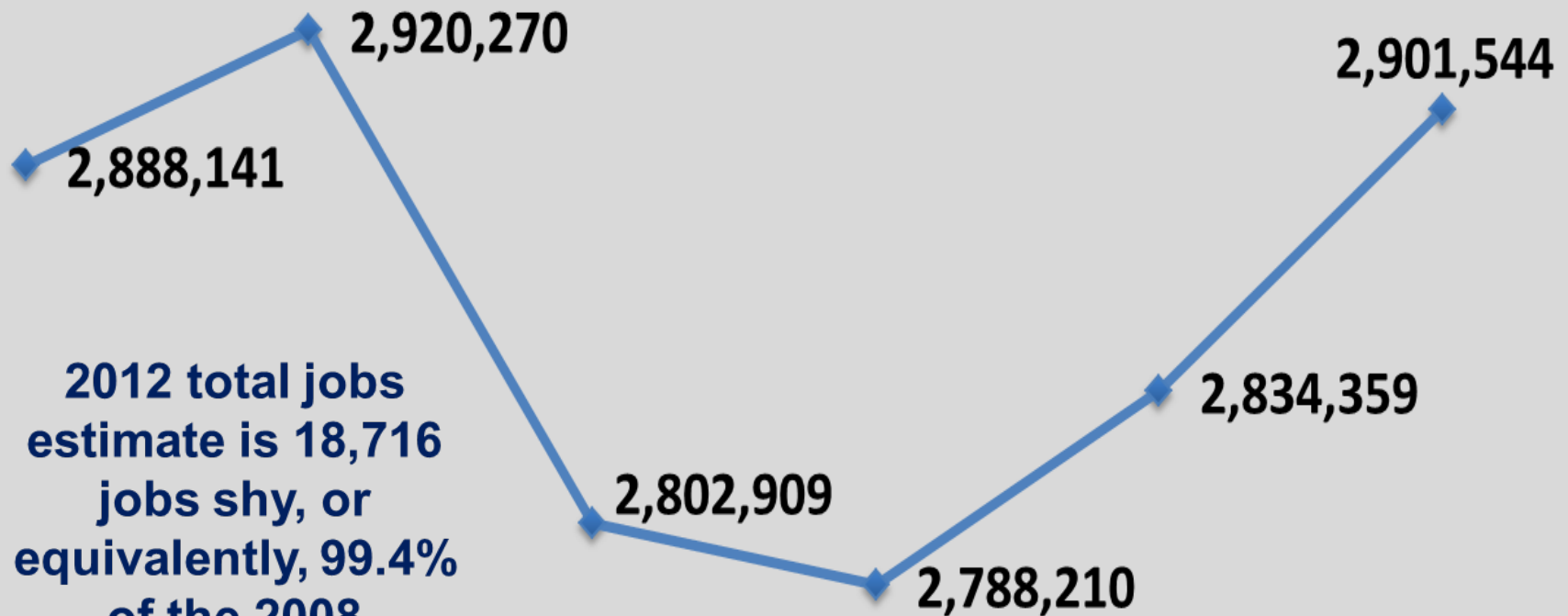
2012 total jobs estimate is 18,716 jobs shy, or equivalently, 99.4% of the 2008 employment peak

2,834,359

2,802,909

2,788,210

Initial data from 2013 indicates state reached peak employment June-July 2013
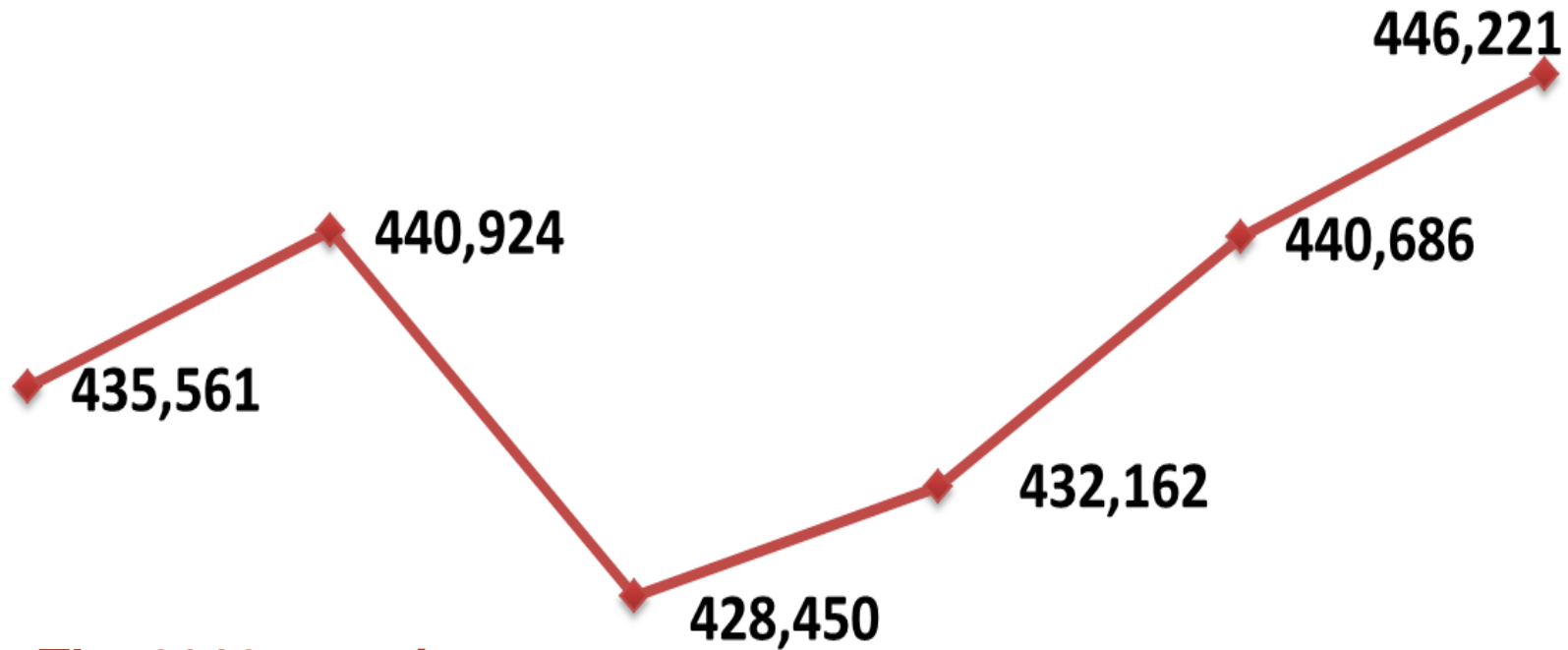
State Demography Office

| 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |

Colorado Proprietor Jobs - Peak/Trough Comparison

Employment Growth
2012 - 2013
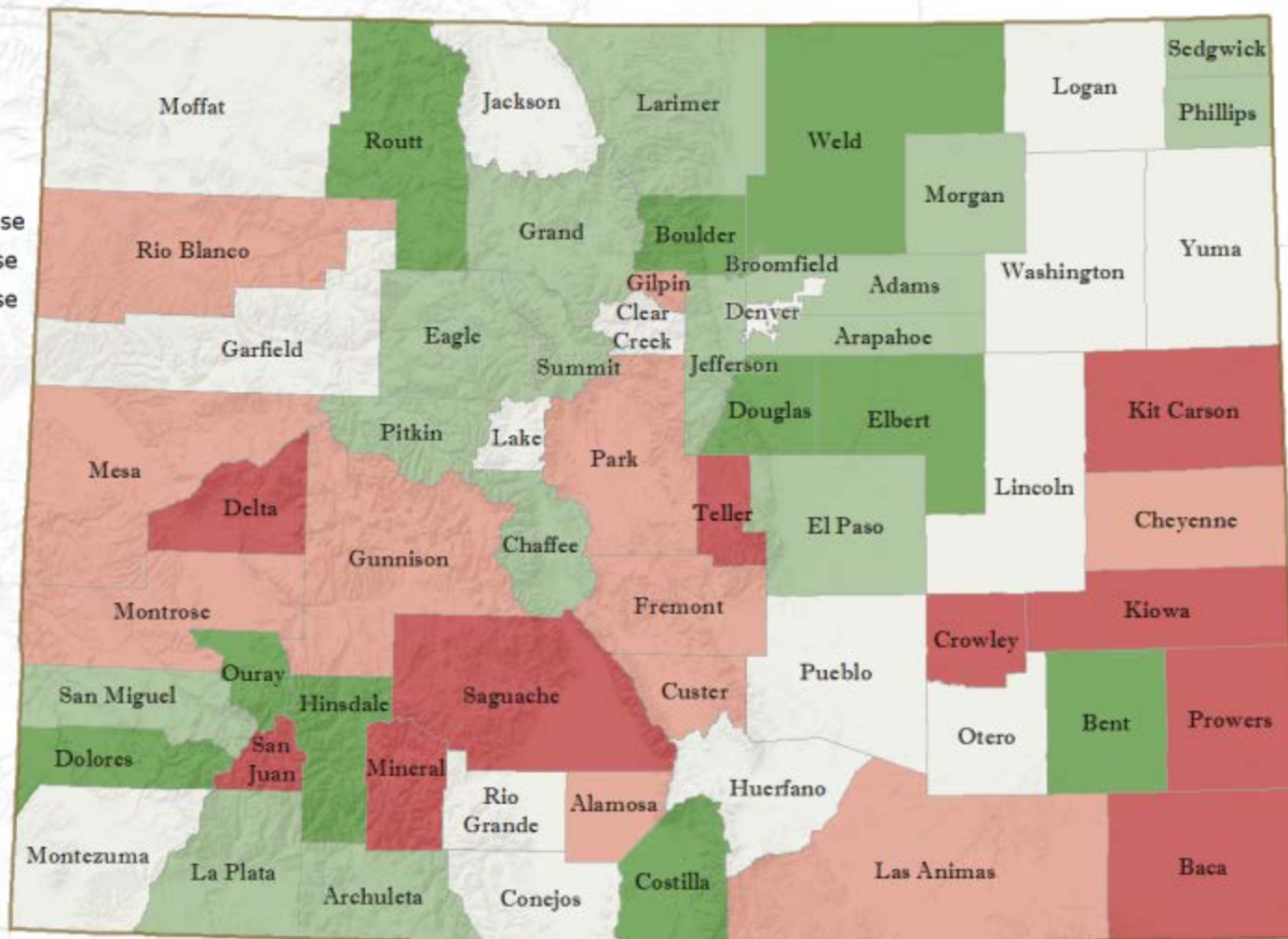
2013 Employment as a Percentage of Pre-Recession Peak

Percent of Peak Employment

- < 85%
- 85% to 90%
- 90% to 100%
- 100% to 105%
- > 105%

Data: QCEW, Department of Labor
Created by: Colorado State Demography Office, 05/06/2014
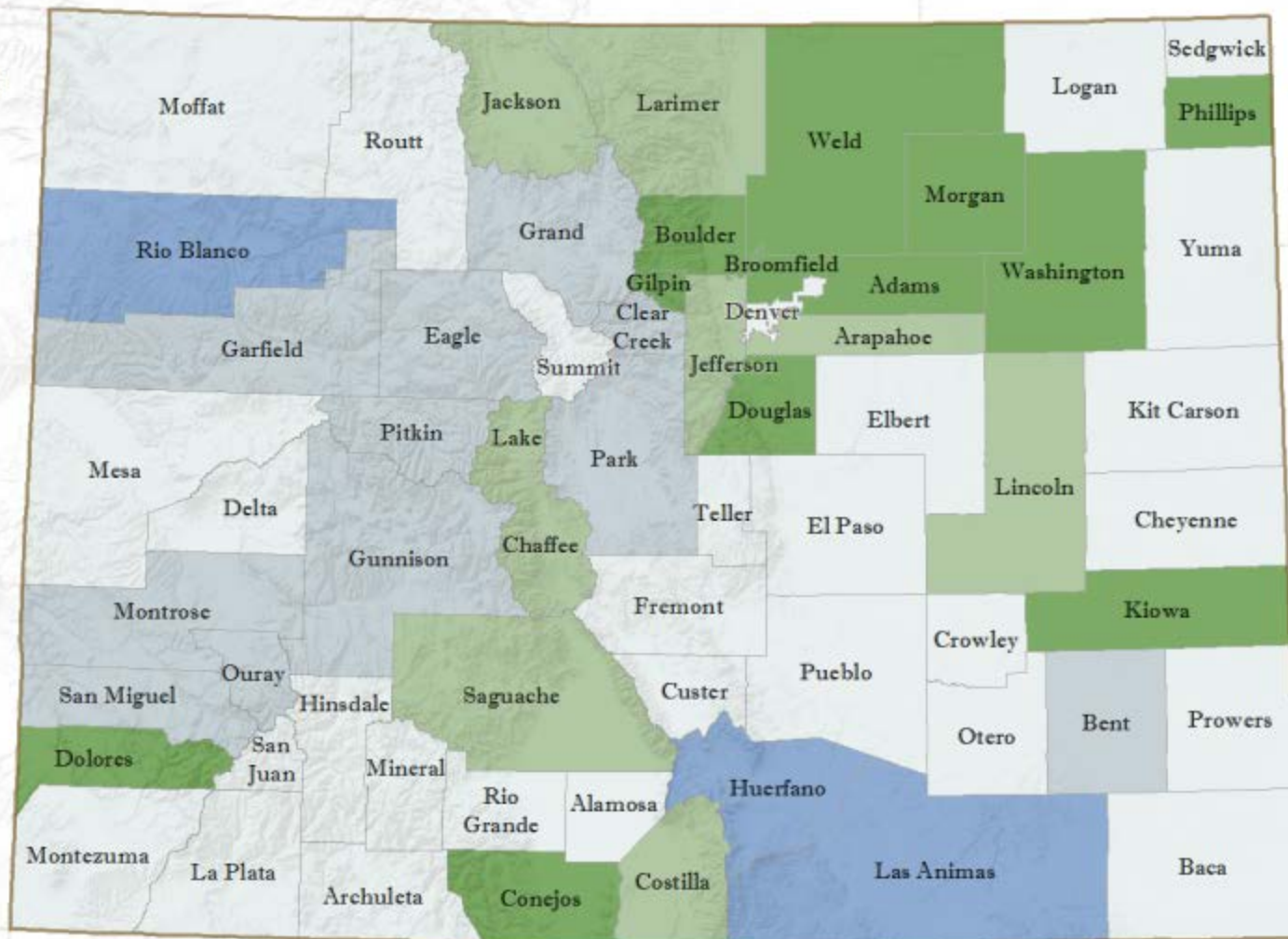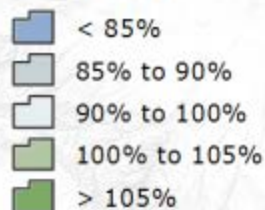
Forecasts - Trends

- Growth in both high and low end service
- Aging
- Transition Decade
- Income

Average Annual Job Growth by Region, 2010 - 2015
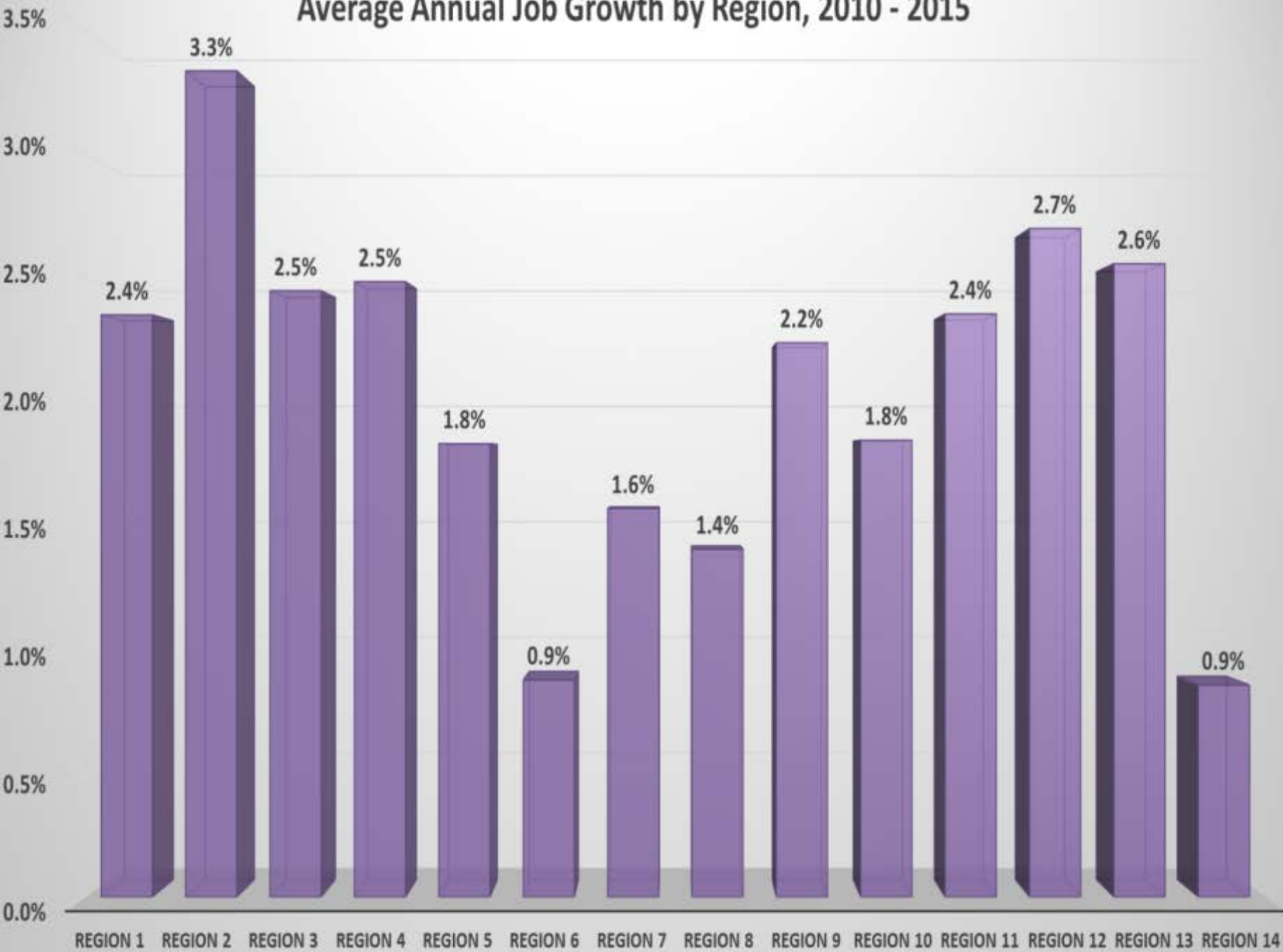
Colorado Average Annual Growth by Major Sector by Decade
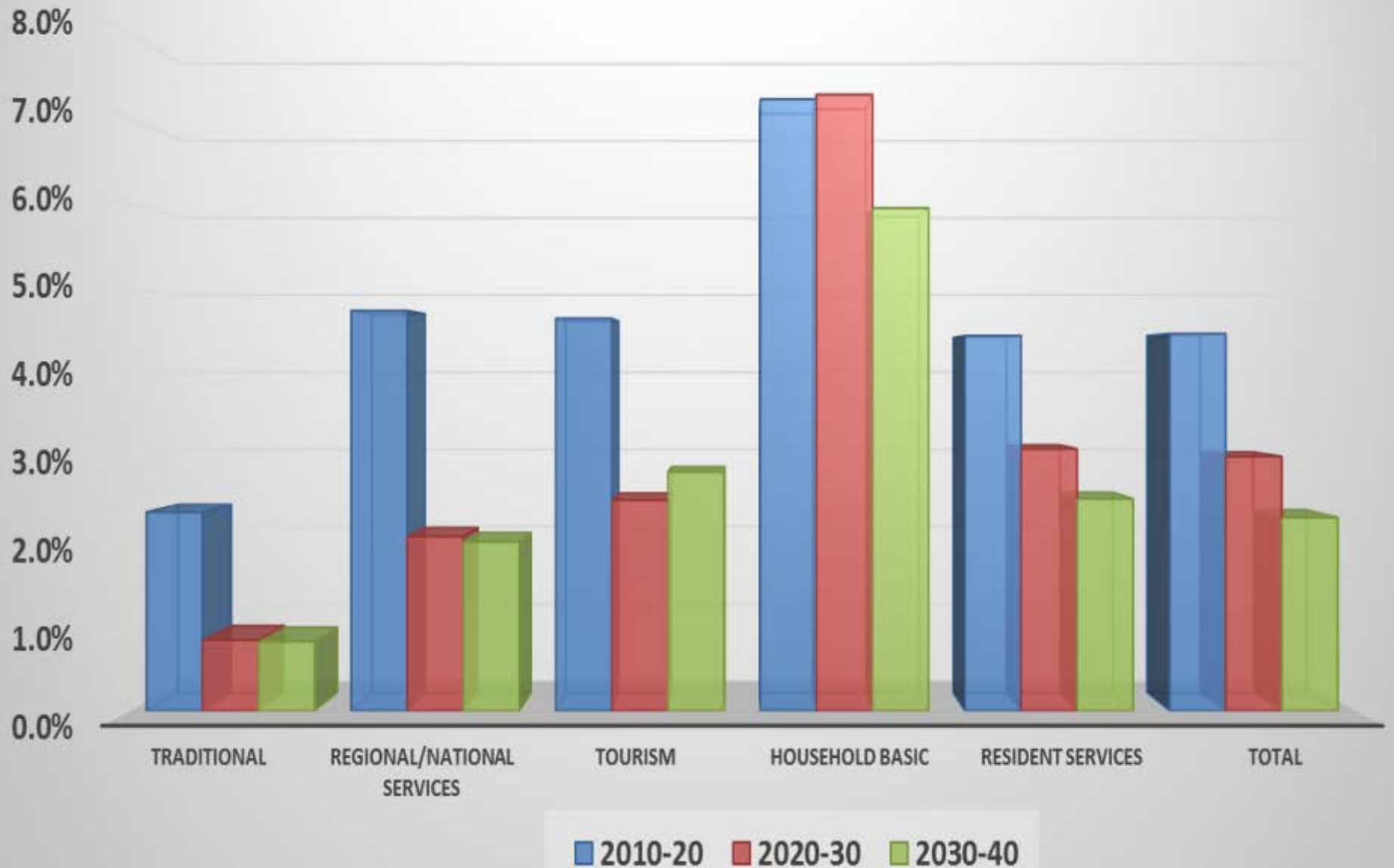
Occupational Wage Outlook

US Top Occupations to Grow by Wage 2010-2020
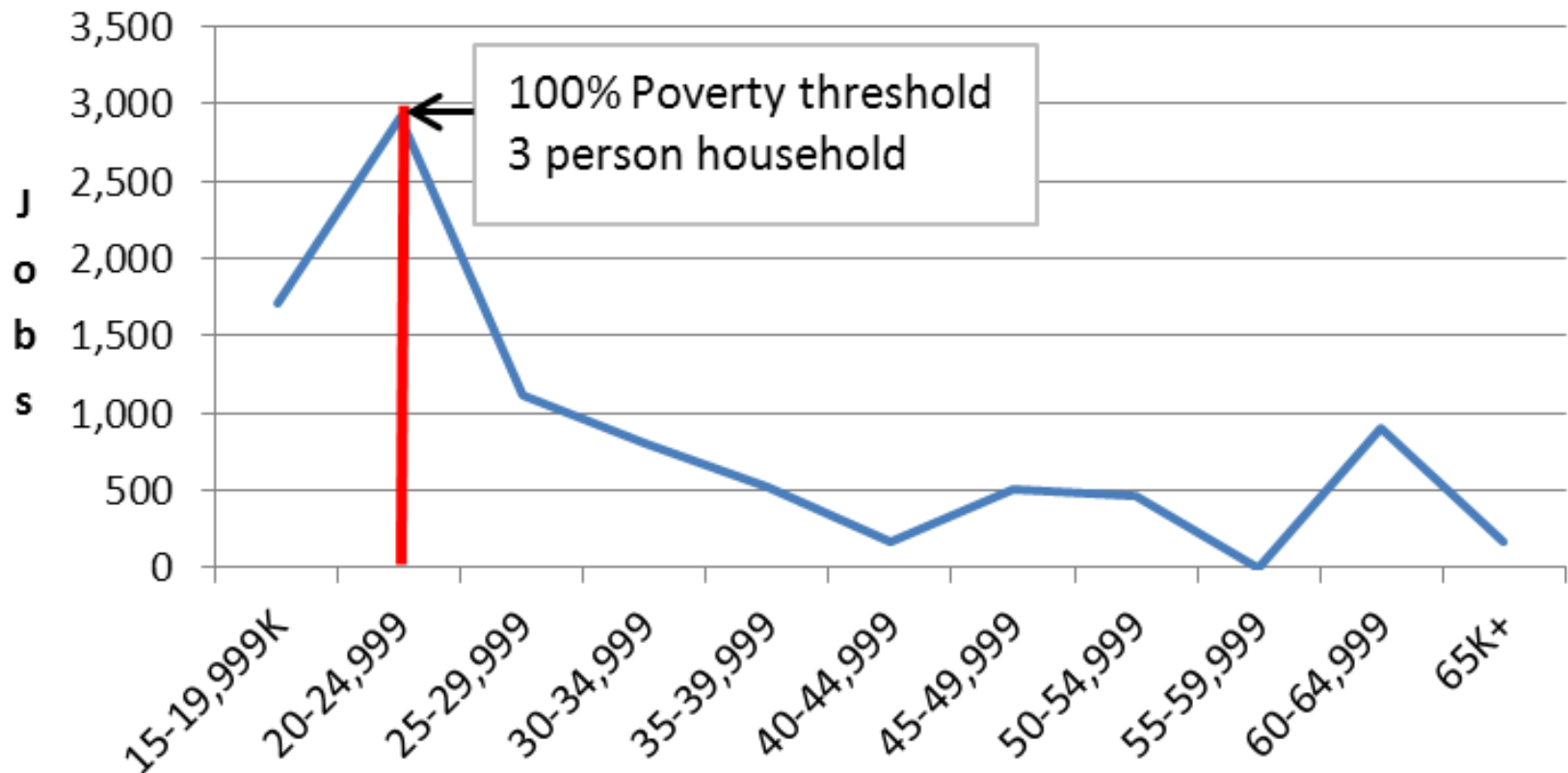
Source: Bureau of Labor Statistics

Links to base industry website and visualization

- [Base Industry](#) and unemployment visualization.
- [Employment forecast](#)
- [Labor force forecast](#)

of Local Affairs

Strengthening Colorado Communities

Demography Home   GIS Homepage   Map Gallery   Thematic Maps   Outside Links

Jobs Data: Base Analysis

Select a County:

Alamosa

Department of Local Affairs

Strengthening Colorado Communities

Services Board of Assessment Appeals Division of Housing Division of Local Government Division of Property Taxation Contact Us
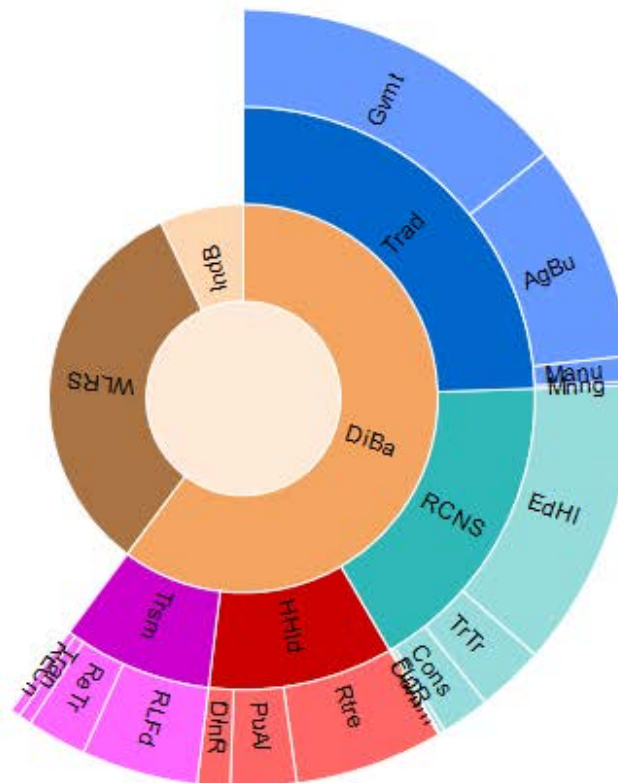
Labor Force Participation by Age and Gender - Parameters

INSTRUCTIONS:

Please select values for the following information. Any field with a * is a required field.

You will be able to view and download your results in CSV text format on the next screen.

PLEASE NOTE: Due to the amount of information stored for this database, the results may take a while to query. ~~Please investigate~~ ... ke 1-2 minutes to return the data.

-- Select a Variable -- ▼

-- Select a Variable --
Labor force
Labor force participation rate
Civilian non-institutional population 16+

* **Select a county:**   -- Select a County -- ▼

* **Select a variable:**   -- Select a Variable -- ▼

* **Select an age group:**   -- Select an Age Group -- ▼

-- Select an Age Group -- ▼

-- Select an Age Group --
16 to 19
20 to 24
25 to 34
35 to 44
45 to 54
55 to 64
65 and over

* **Select 1 or more years:**
2040
2039
2038
2037
2036

Colorado The Official State Web Portal

Text Size ⊞ ⊟   Search

Department of Local Affairs
Strengthening Colorado Communities

Services   Board of Assessment Appeals   Division of Housing   Division of Local Government   Division of Property Taxation

Home > Division of Local Government > State Demography Office > The Economy and Labor Force > Economic Forecasts >

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Local Government Capacity Building

Financial Assistance

Local Government Services

State Demography Office

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Subjects A to Z

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Housing and Households

The Economy and Labor Force

Labor Force

Economic Forecasts

Forecasting Worksheets

One-page worksheets which summarize the jobs, labor force and population forecasts for each planning and mana
county and Colorado as a whole. They include information on basic jobs, indirect and induced jobs, total jobs, mu
rates, commuting, unemployment, labor force participation, and population.

In the spreadsheets the region total is listed first followed by the counties within the region. However, for the counti
only Gilpin and Clear Creek are listed separately. The rest are combined for a Metro Denver total. For questions ple
Grant Nülle at 303-866-3503 or grant.nulle@state.co.us.

Jobs and Labor Force (Region Map)
- State
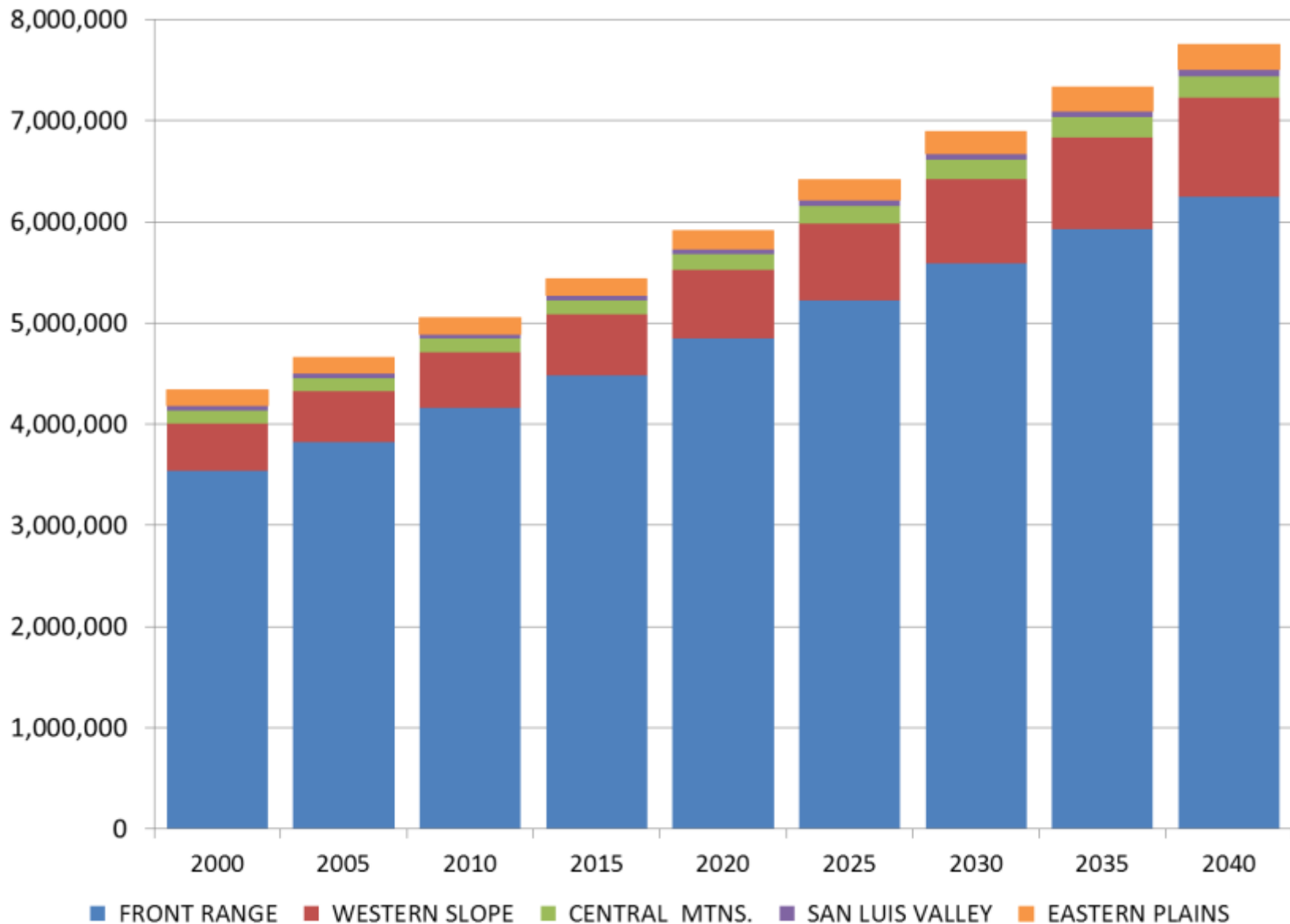- Regions 1 through 8
- Regions 9 through 14

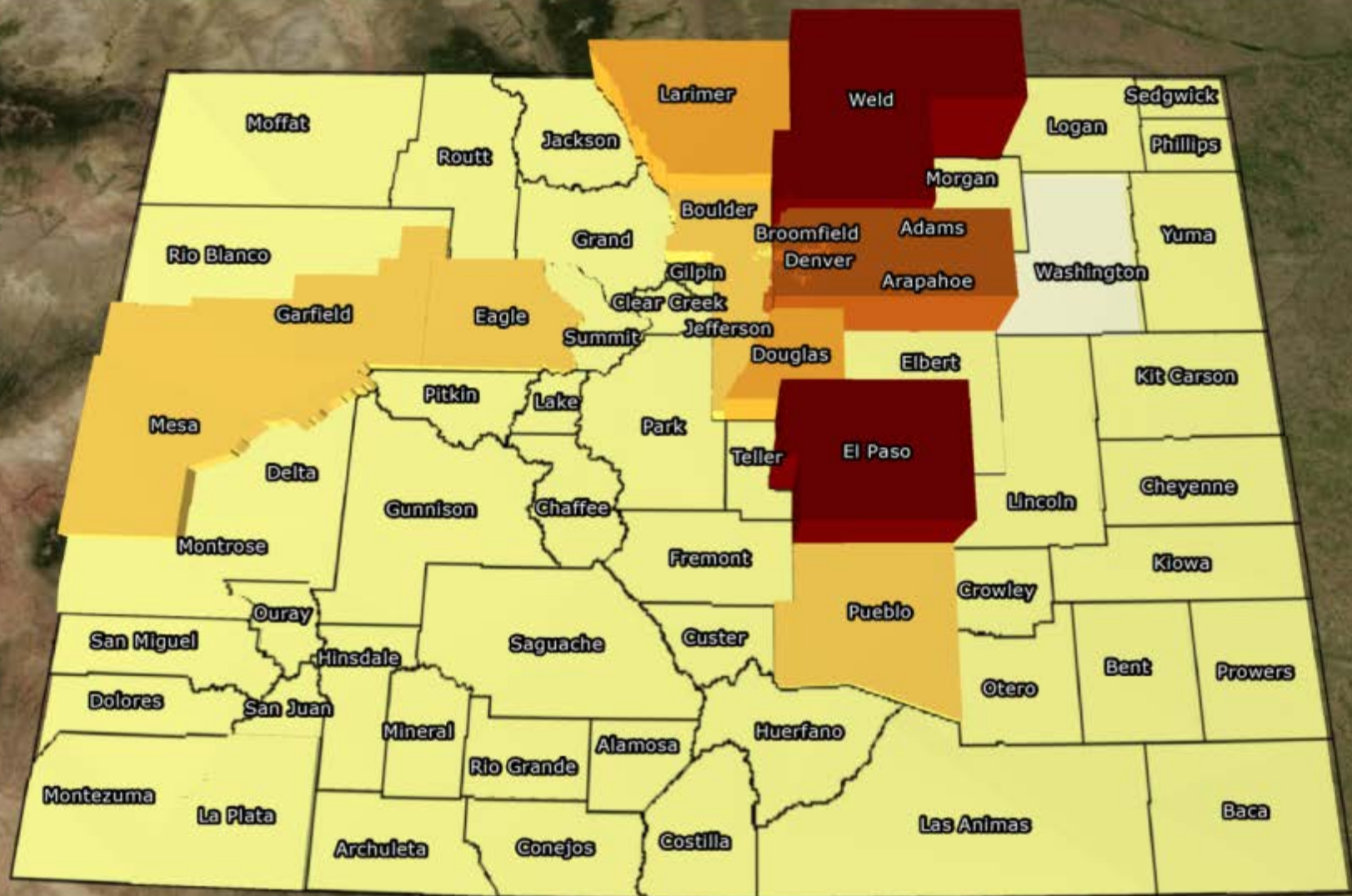Economic Variables
- State

Colorado Population by Region
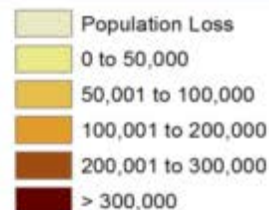
Source: State Demography Office, 2013

Projected Population Change
2010 to 2040

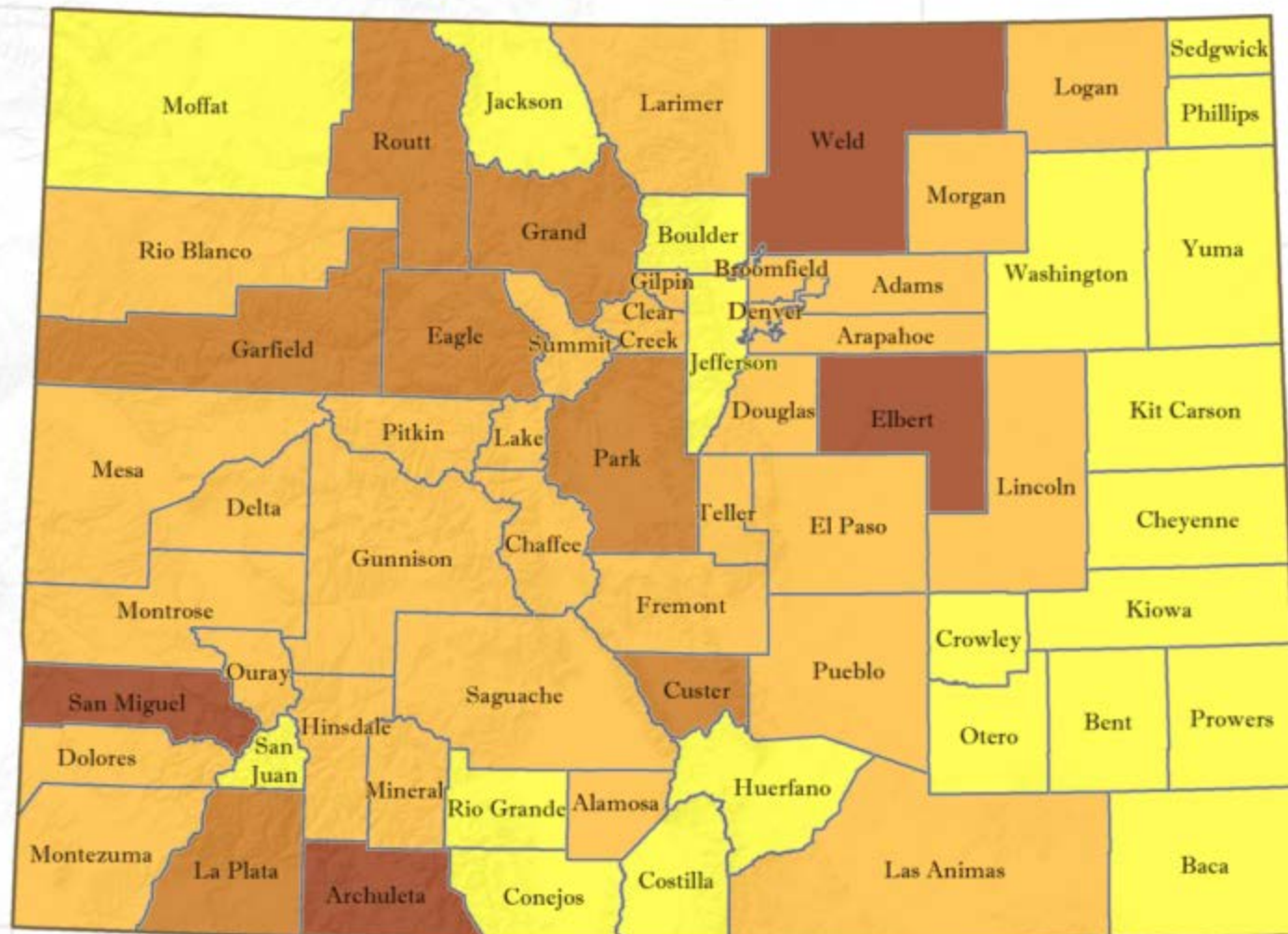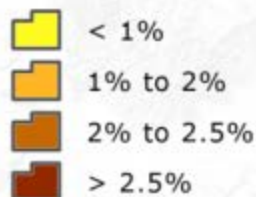Source: State Demography Office, 03/28/2013

Population Loss
0 to 50,000
50,001 to 100,000
100,001 to 200,000
200,001 to 300,000
> 300,000

Colorado Population Growth

Average Annual Percent Change
2010 - 2040

Average Annual Percent Change

- < 1%
- 1% to 2%
- 2% to 2.5%
- > 2.5%

Counties shown: Moffat, Routt, Jackson, Larimer, Weld, Logan, Sedgwick, Phillips, Morgan, Rio Blanco, Grand, Boulder, Broomfield, Gilpin, Clear Creek, Denver, Adams, Washington, Yuma, Garfield, Eagle, Summit, Jefferson, Arapahoe, Pitkin, Lake, Park, Douglas, Elbert, Lincoln, Kit Carson, Mesa, Delta, Gunnison, Chaffee, Teller, El Paso, Cheyenne, Montrose, Fremont, Kiowa, Ouray, Saguache, Custer, Pueblo, Crowley, San Miguel, Hinsdale, San Juan, Dolores, Mineral, Rio Grande, Alamosa, Huerfano, Otero, Bent, Prowers, Montezuma, La Plata, Archuleta, Conejos, Costilla, Las Animas, Baca
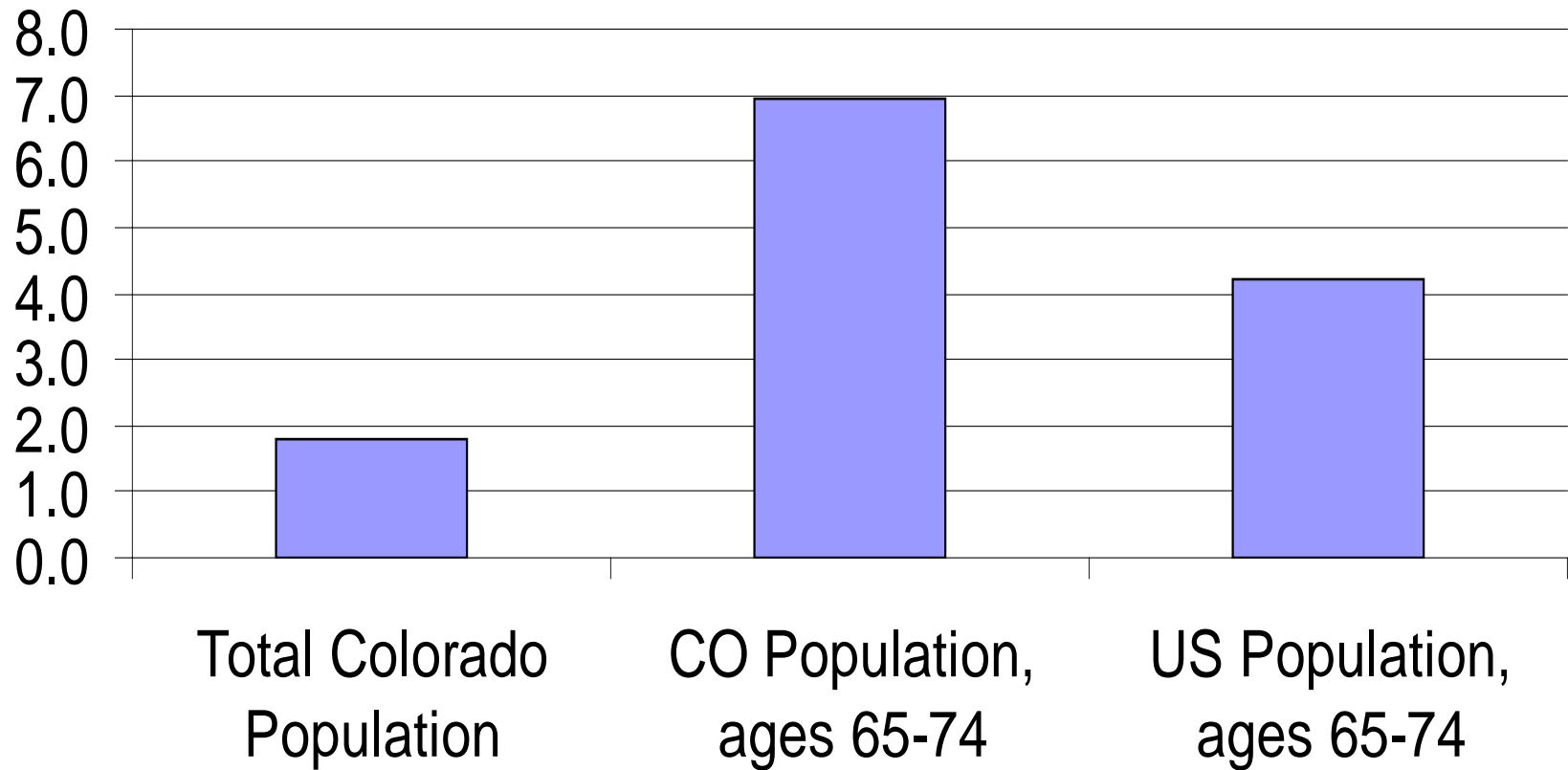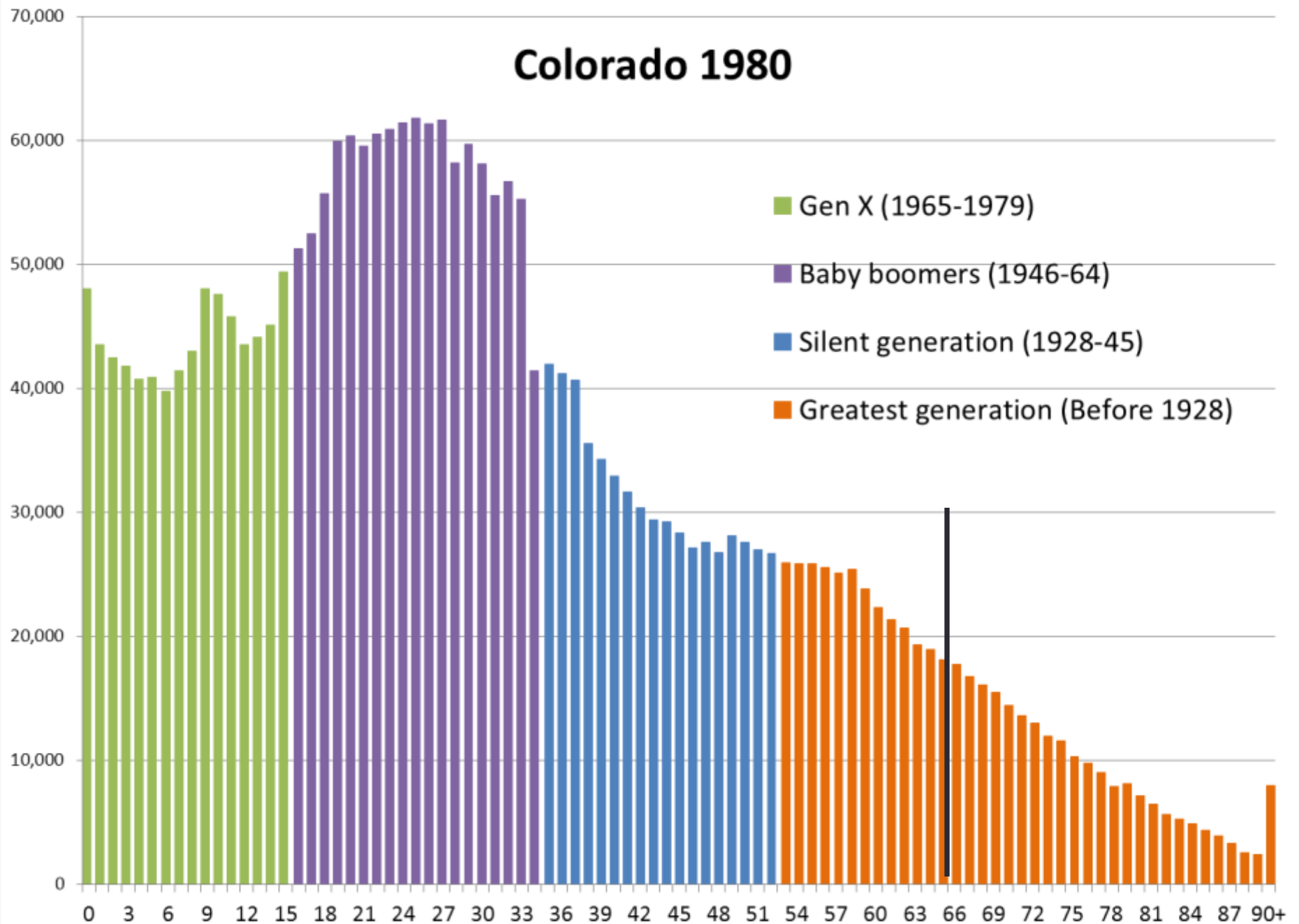
Why Are We Getting Old Fast?

- Currently very few people over the age 65.
  - 4th lowest share of all states in US (10%)
- Baby Boomers
  - Born 1946 – 1964
  - 1,340,000 Boomers in Colorado (26% of pop. in 2010)
- By 2030, Colorado's population 65+ will be 125% larger than it was in 2010 growing from 555,000 to 1,243,000. (just from aging)
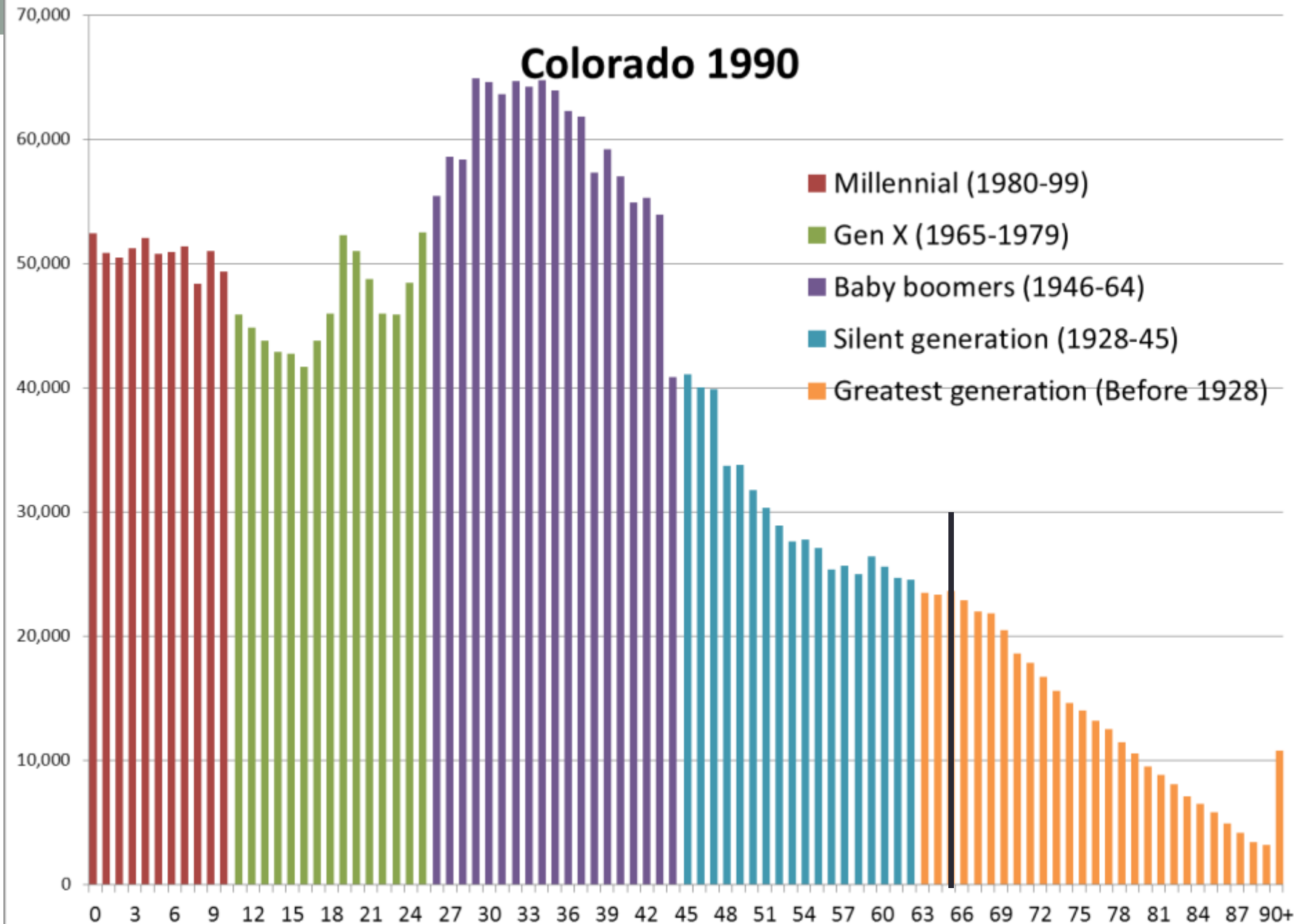- Transition age distribution from "young" to more US average between 2010 and 2030.
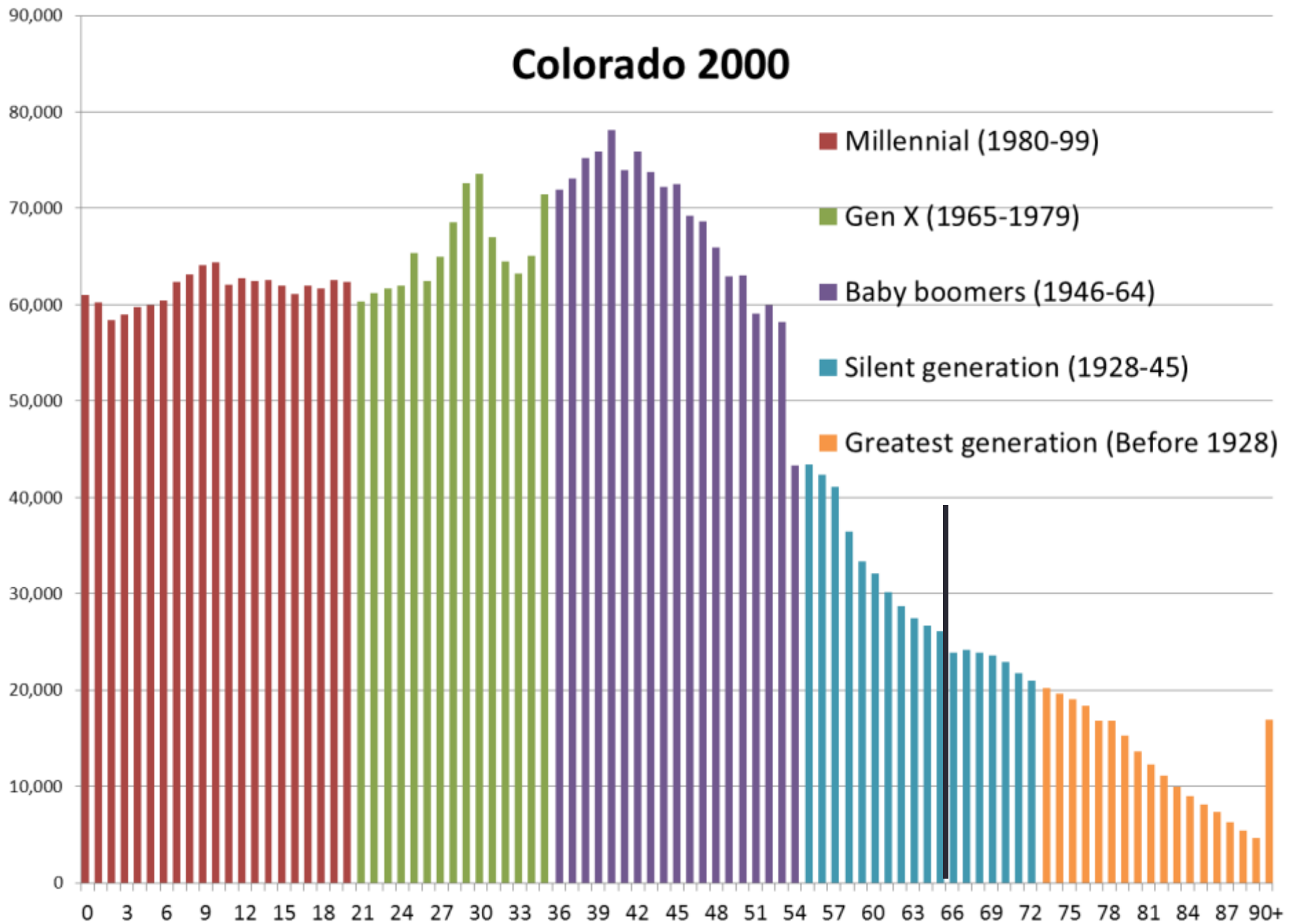
Source: Census 2010 and State Demography Office

Annual Average Growth, 2010 - 2020

Colorado 1980

- Gen X (1965-1979)
- Baby boomers (1946-64)
- Silent generation (1928-45)
- Greatest generation (Before 1928)

Colorado 1990

Legend:
- Millennial (1980-99)
- Gen X (1965-1979)
- Baby boomers (1946-64)
- Silent generation (1928-45)
- Greatest generation (Before 1928)

Colorado 2000

- Millennial (1980-99)
- Gen X (1965-1979)
- Baby boomers (1946-64)
- Silent generation (1928-45)
- Greatest generation (Before 1928)

Colorado 2010

Legend:
- next generation (2000+)
- Millennial (1980-99)
- Gen X (1965-1979)
- Baby boomers (1946-64)
- Silent generation (1928-45)
- Greatest generation (Before 1928)

Colorado 2020

next generation (2000+)
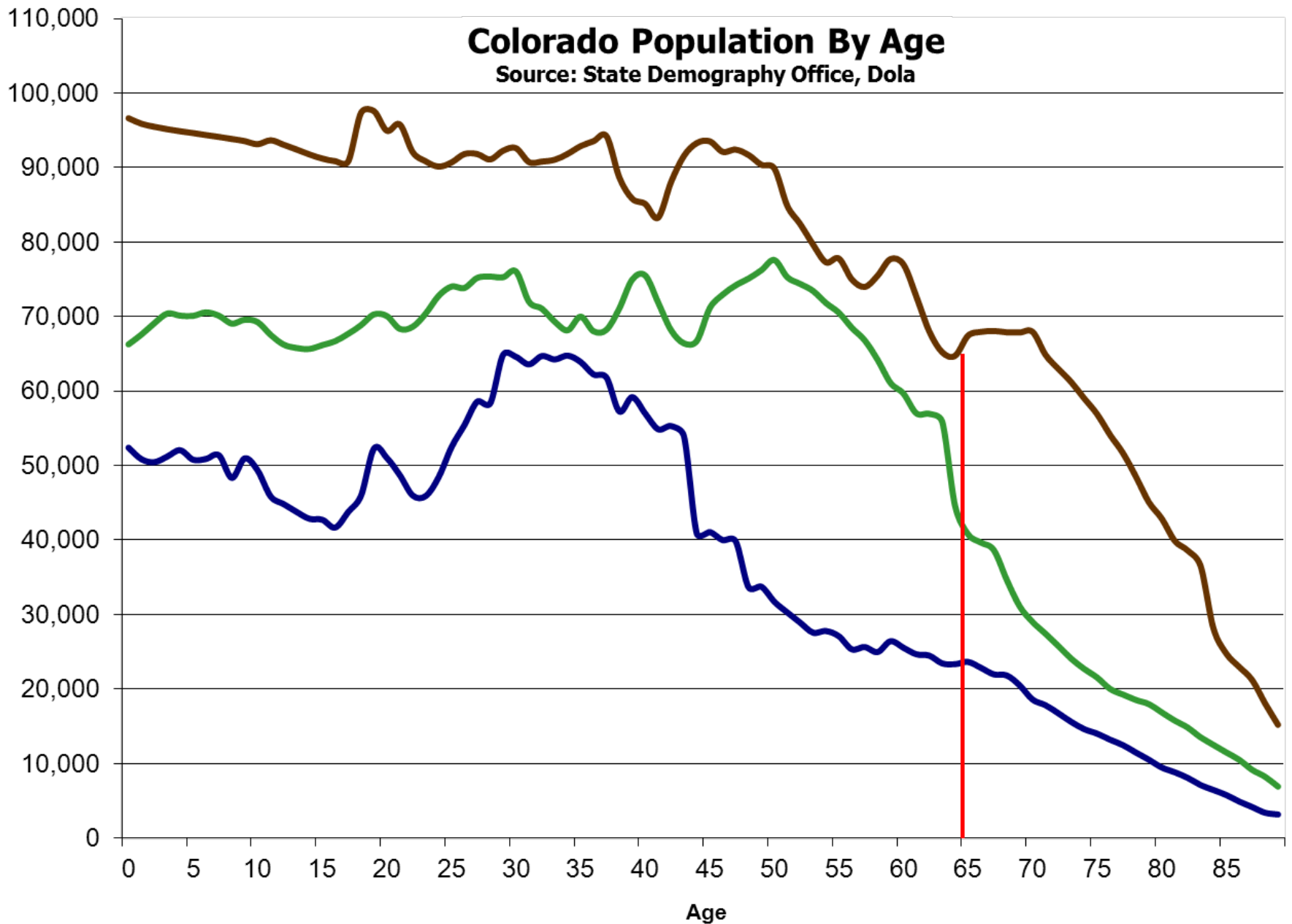Millennial (1980-99)
Gen X (1965-1979)
Baby boomers (1946-64)
Silent generation (1928-45)

Colorado Population By Age
Source: State Demography Office, Dola
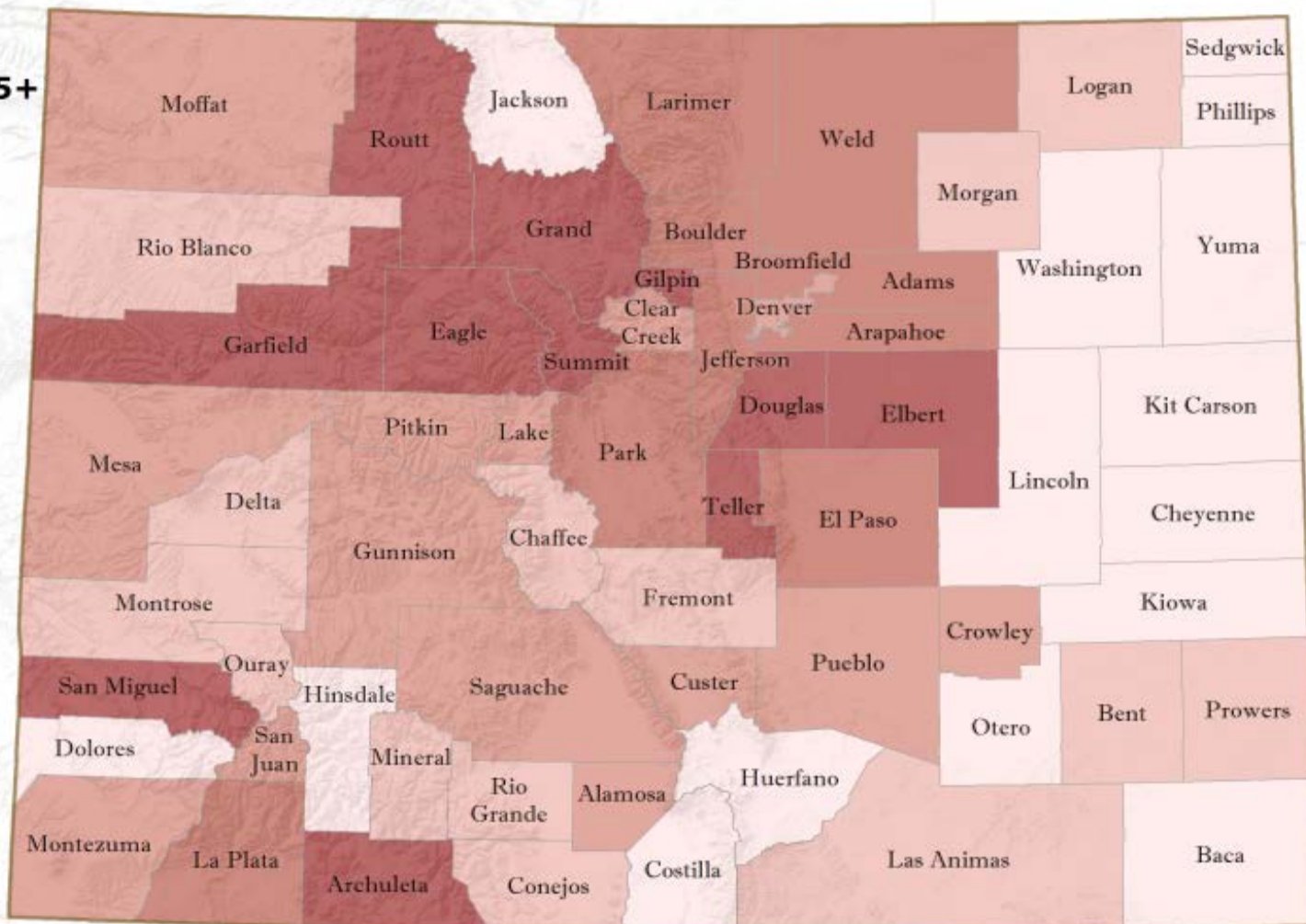
Source: State Demography Office

Colorado: Percent Change in Population 65+
2010 - 2030

Percent Change 65+
2010 to 2030

- < 50% Increase
- 50% to 80%
- 80% to 120%
- 120% to 160%
- > 160%

Colorado State Demography Office, 04/25/2014

Sources: Esri, USGS, NOAA

Forecast for the Population 65+ in Colorado

Source: Census and State Demography Office
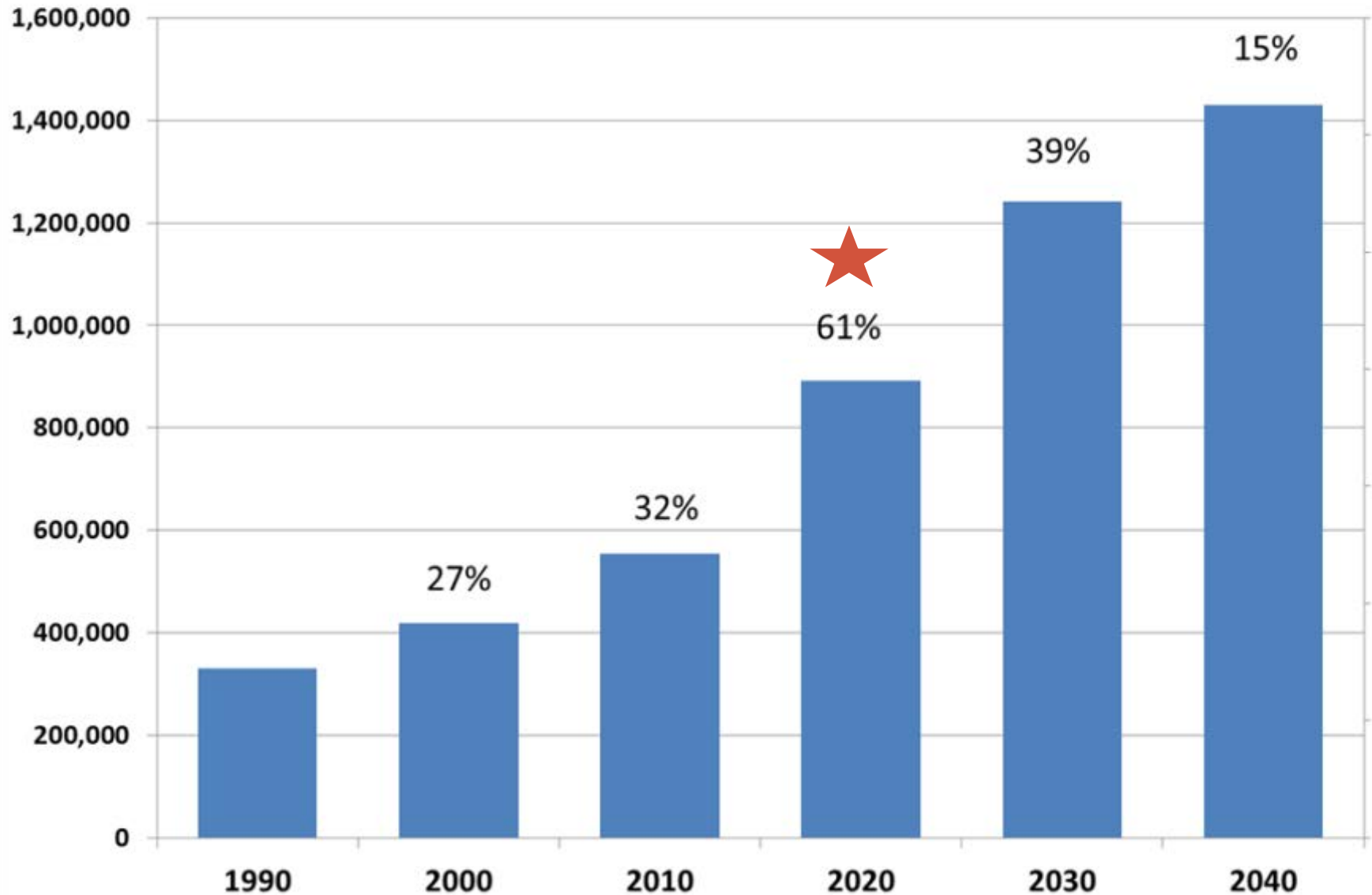
Aging Issues – Not Going to Discuss

- Disabilities
- Housing
  - Living alone – 38% 65+
  - Type of housing, location
  - Worker vs. non-worker – tight housing markets
- Transportation
  - Changes in patterns
  - Change in demand for types.
- Public Finance
  - Downward pressure on income, sales and property tax.

Aging Issues

- Numbers
  - Colorado has never had many older people
    - 4th lowest in 65+ (2010 Census)
    - Migrate in people primarily 20-40
- Economic Driver - wealthier …. depends
  - Spending of people 65+ supported approximately 137,000 jobs in 2010. (.25 jobs per person 65+)
  - Forecast to support 346,000 by 2030
  - Impact on occupational mix
    - Health Services both high and low end
  - Health Services – est. .1 job per person 65+ (55,000 in 2010 growing to 124,500 in 2030)
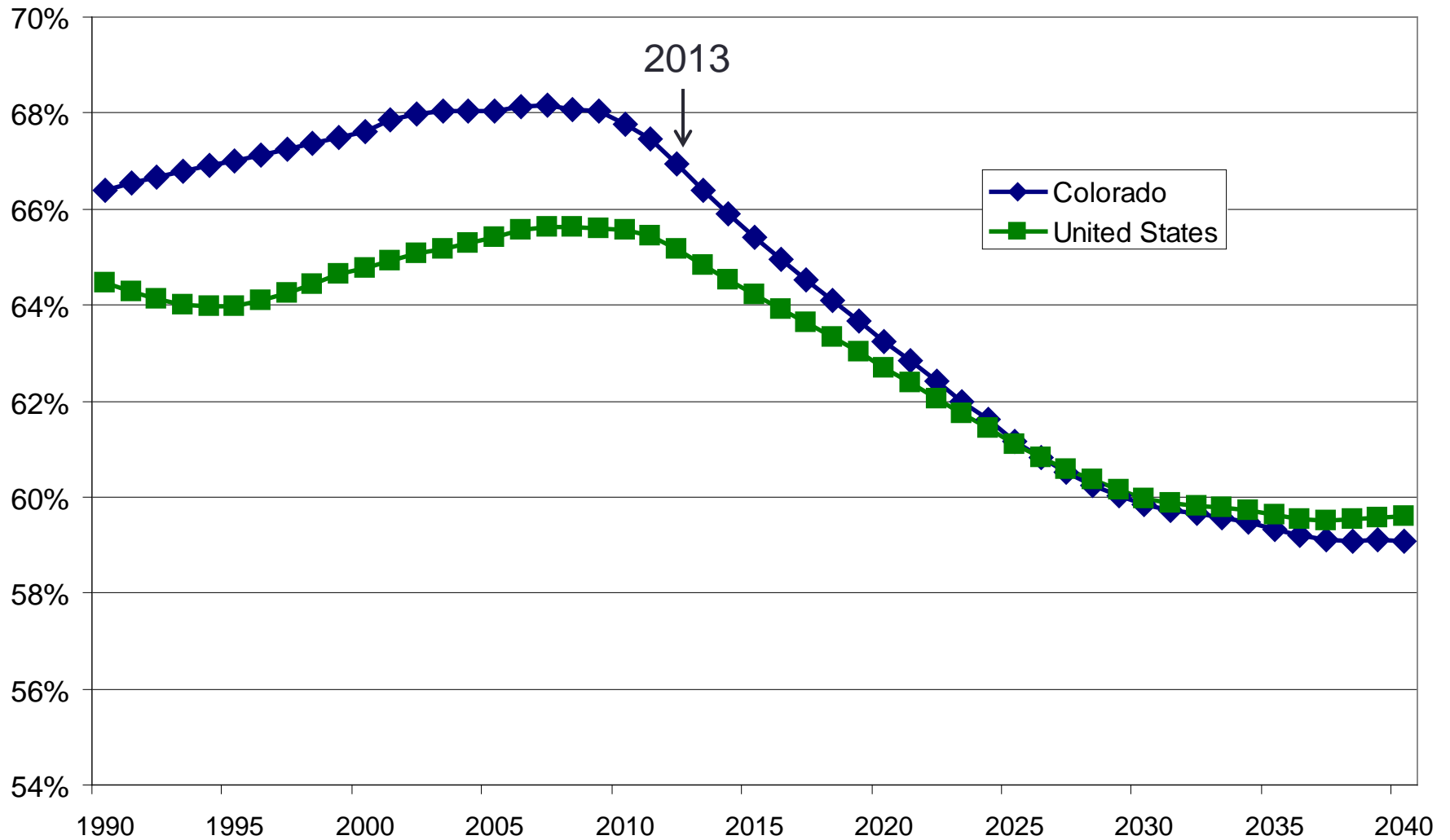
Labor Force

- Boomers are 37% of the labor force (2010)
  - Staying longer in workforce – want and need to
  - Participation rates for ages 65+ increasing.
    - Flexible work schedules
  - Age relations in the workplace
  - Approx. 1,000,000 workers aging out the next 20 years.
- Increase demands
  - Replacement and demands created by retiree needs
  - Largest increase in leavers between 2020-2025
- Demands will vary by industry –
  - Education, Health, Utilities, Mining, Govt.
  - **Current low numbers of Long Term Care Workers and Gerontologist**
  - Doctors accepting Medicare
  - Increase in demand for caregivers – informal sector
- Metro/urban demands will impact rural areas
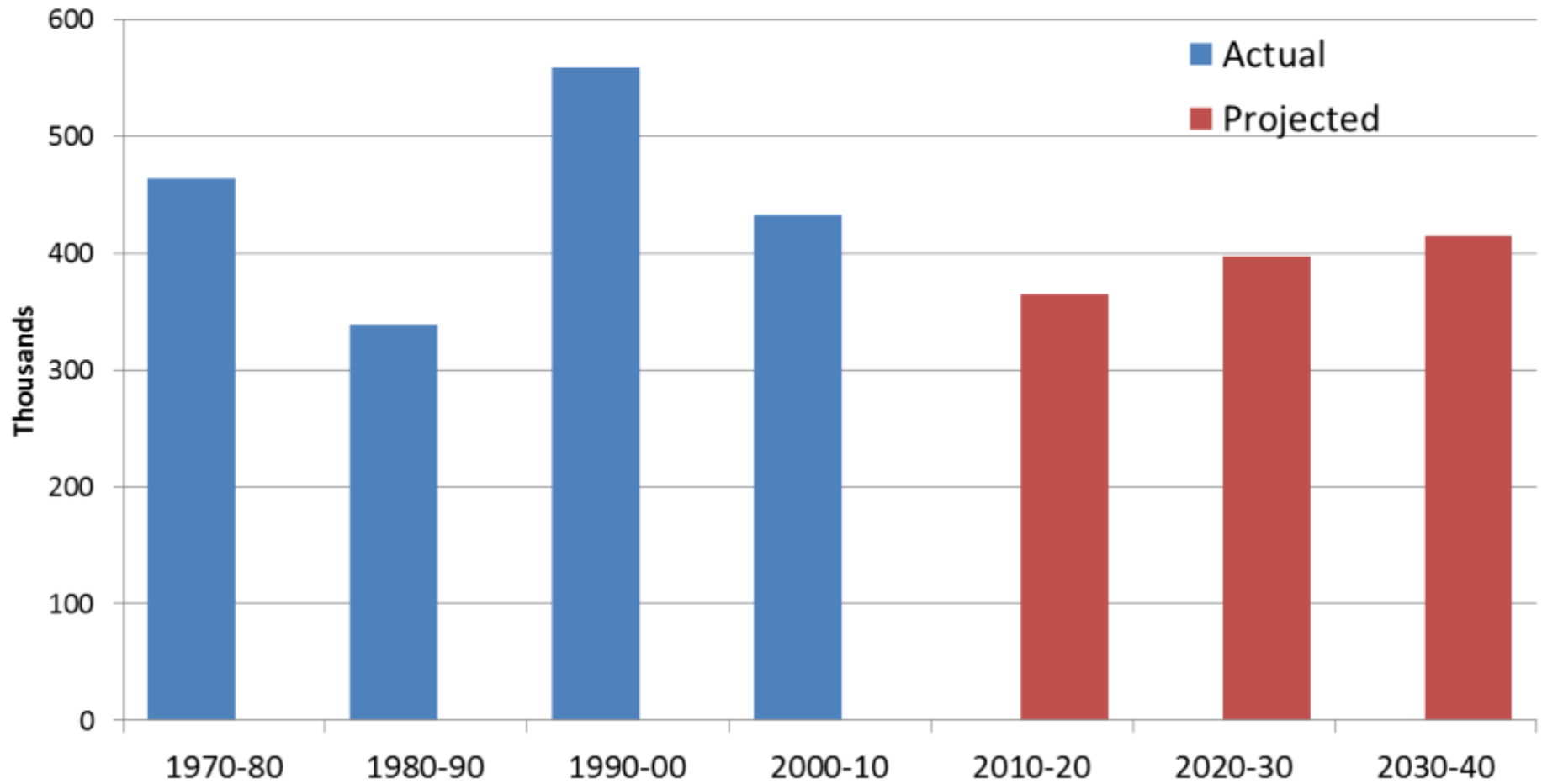
What is the Labor Force?

- *Civilian labor force*: All persons in the civilian noninstitutional population classified as either employed or unemployed.

- *Civilian noninstitutional population*: Persons 16 years of age and older who are not institutionalized and who are not on active duty in the Armed Forces.

- *Labor Force Participation Rate:*
  - *Civilian Labor Force/Civilian noninstitutional population 16+*
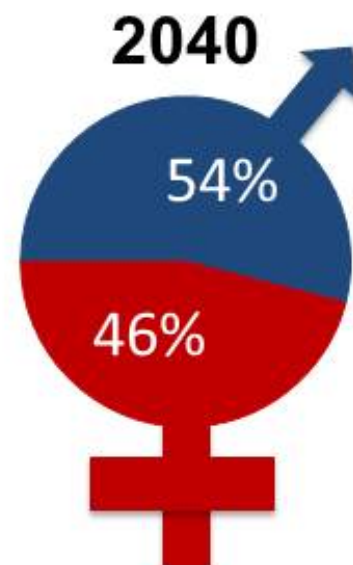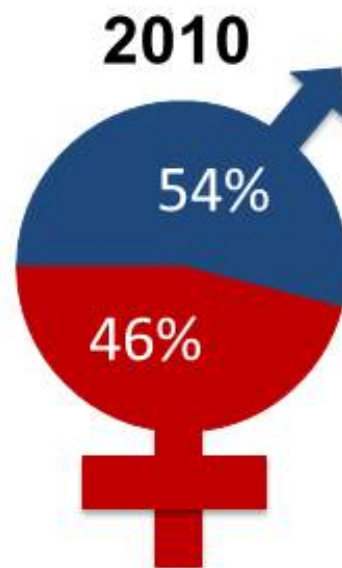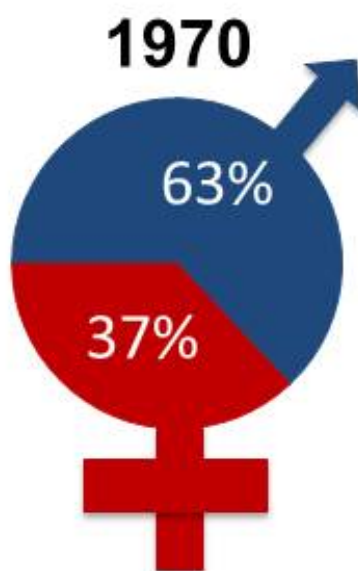
Share of Population ages 16-64

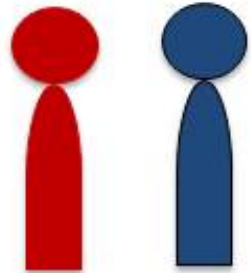# Colorado Labor Force Change, 1970 to 2040

Women in the Labor Force

The share of females in Colorado's labor force increased from 37% in 1970 to almost half in 2010. The share of females is expected to remain stable from 2010 throughout the forecast.

1970
63%
37%

2010
54%
46%

2040
54%
46%

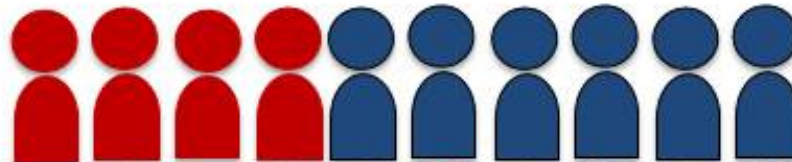# Labor Force Participation Rates

Colorado reached a peak in the share of persons in the labor force in 2010.

In the labor force
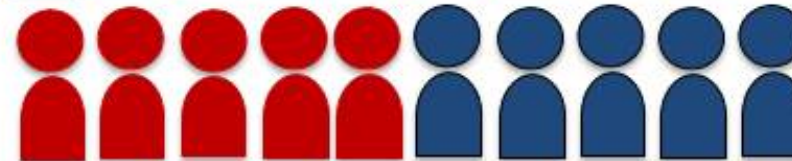
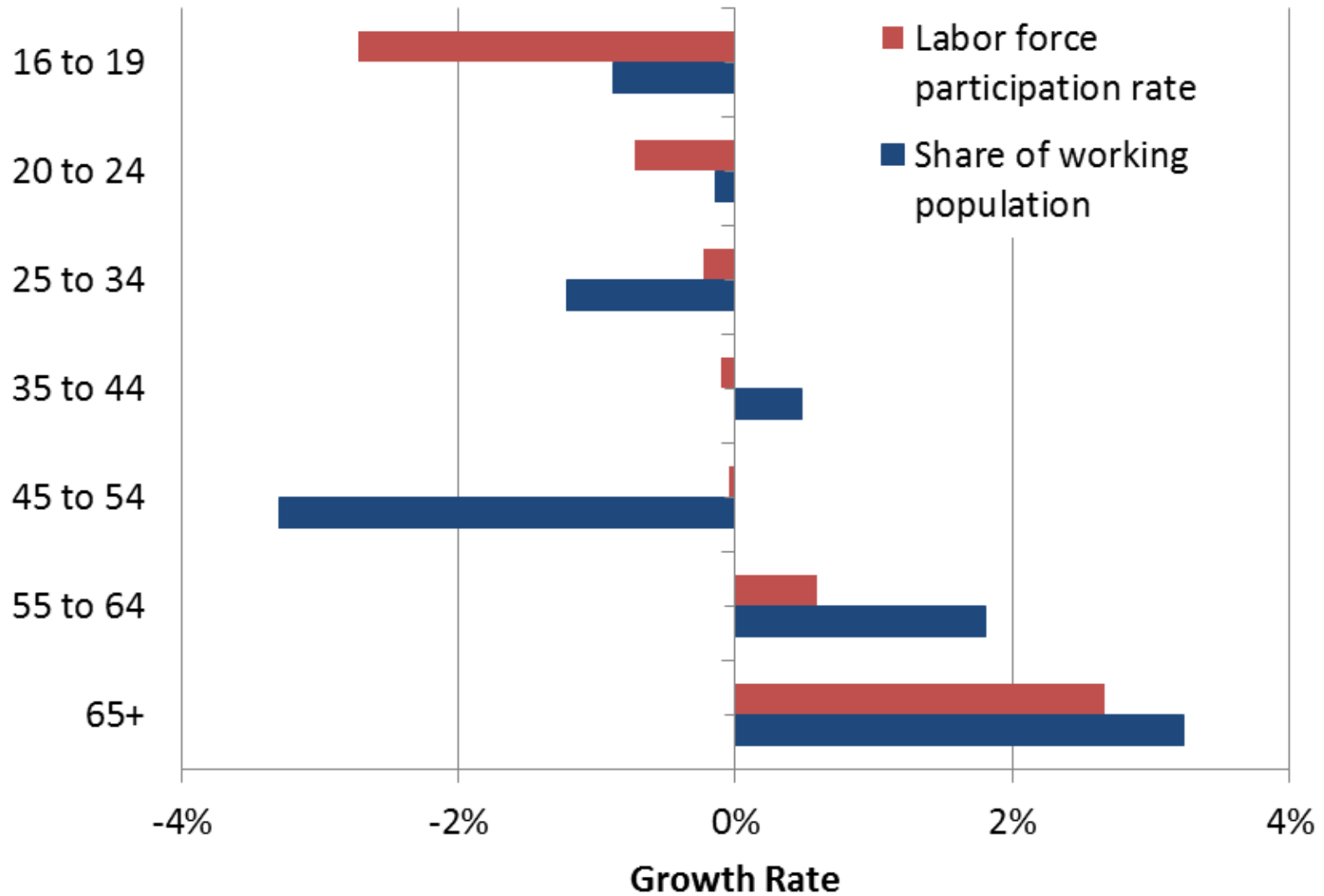Not in the labor force
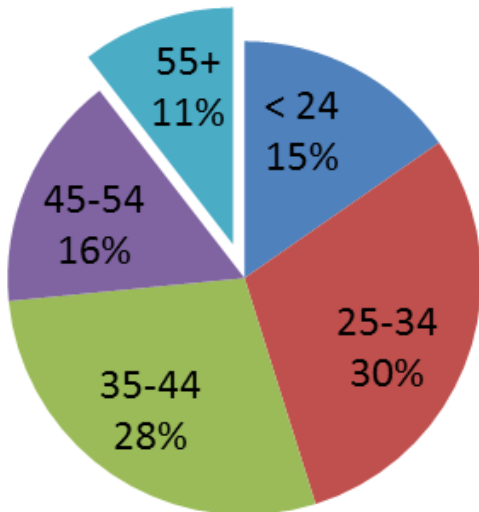
1970 — 4 out of 10

2010 — 6 out of 10
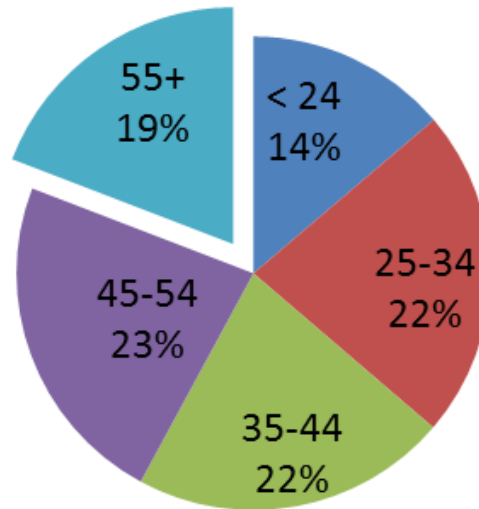
2040 — 5 out of 10

Colorado, 2010-2020
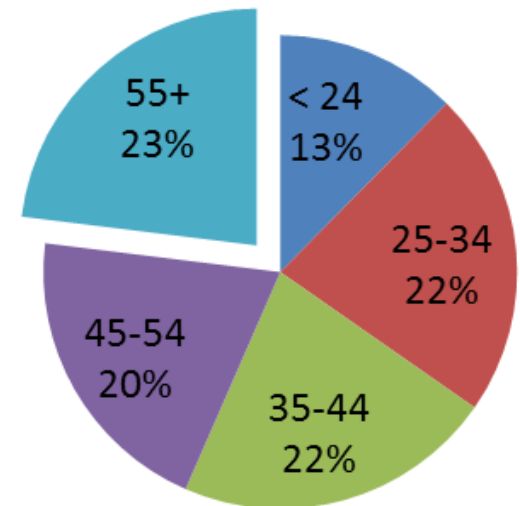
Share of labor force by age group
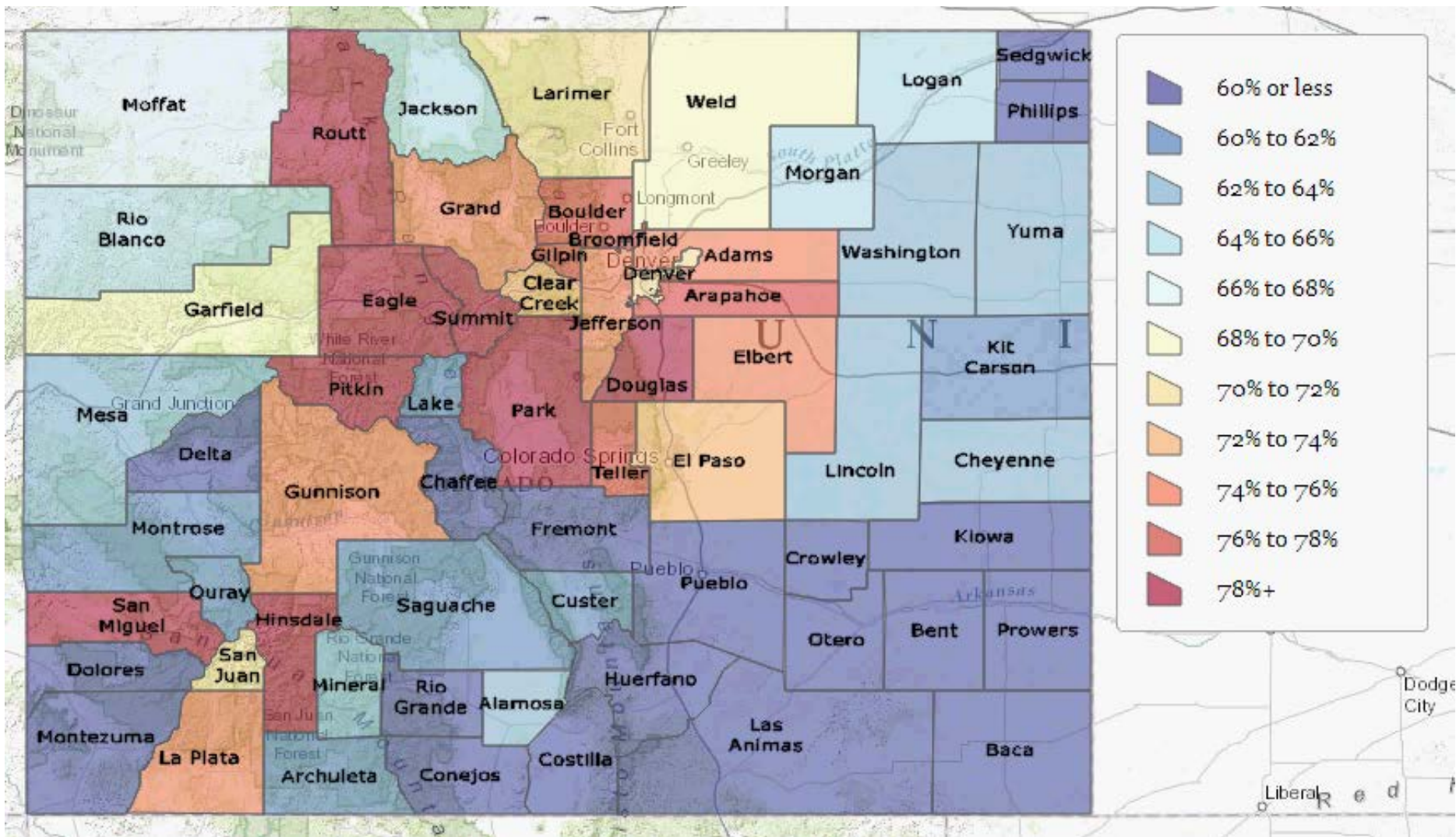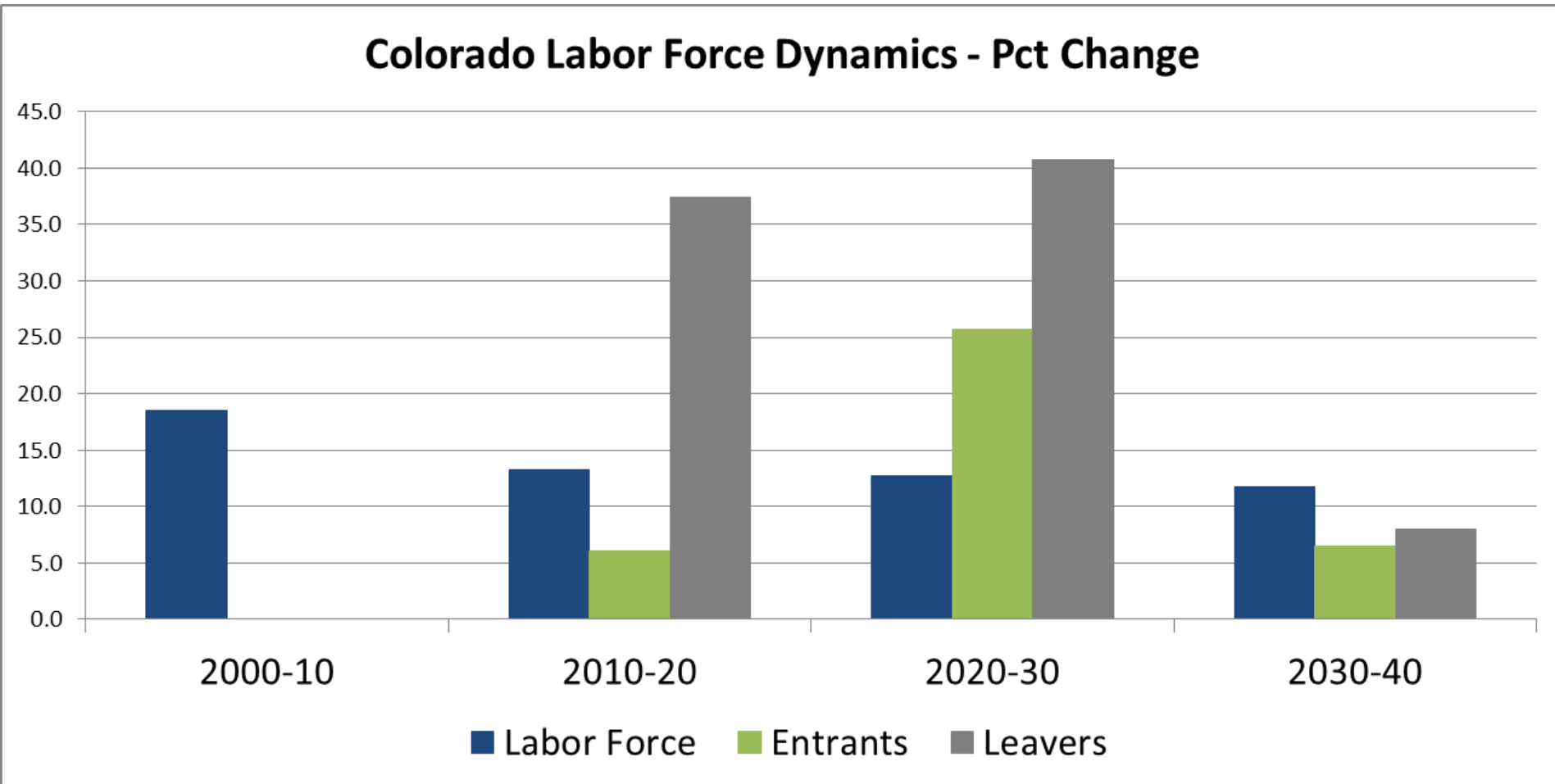
Labor Force Participation Rate Change Over Time

Growth in "leavers" will create more demand for workers.

Colorado Labor Force Dynamics - Pct Change

Legend: Labor Force (dark blue), Entrants (green), Leavers (gray)

Categories: 2000-10, 2010-20, 2020-30, 2030-40

Labor Force Summary

- Colorado reached its peak share of population in the labor force in 2010

- Women reached their peak share in the labor force in 2010

- Labor force participation rates are declining for the younger population and increasing for the older population.

- Labor force participation rates will be declining across the state due to aging of the population.

- "New Job Opportunities" are created by both new jobs and workers leaving jobs.
    - Leavers are forecast to increase by 3.7%-4.0% annually through 2030 compared to the labor force increasing by 1.2-1.7% per year.

Household Income….its future is demographically challenged.

- Age distributions – "End of "Demographic Dividend"
- Occupational Mix – high and low service
- More race/ethnicity diverse especially at young end but achievement gap is growing as well.
- Household type and size – single and smaller.
- Youth un and under employment - Long term permanent impacts on earnings.
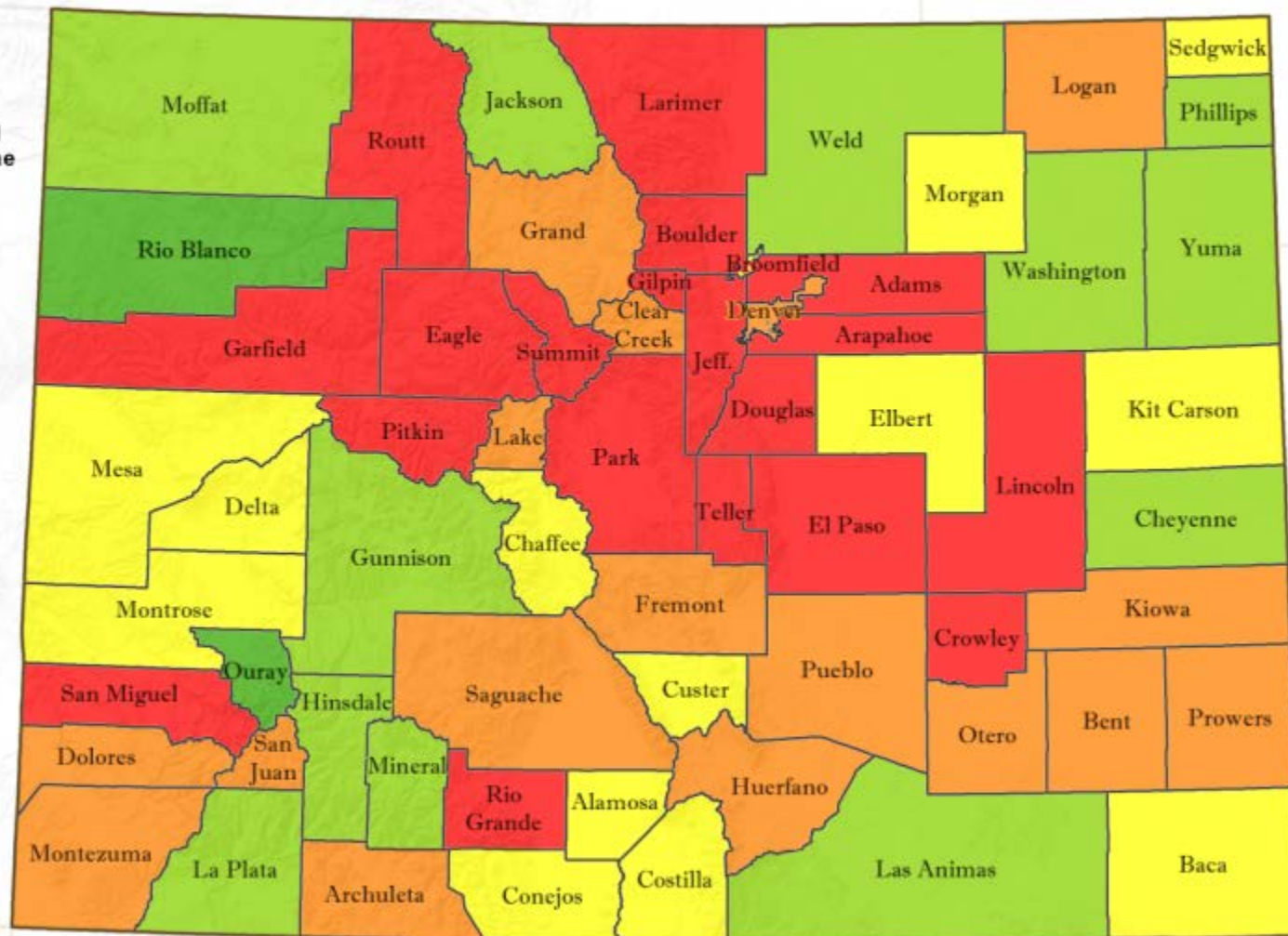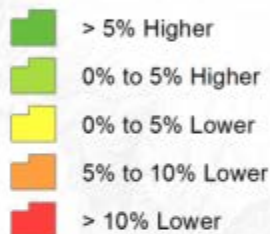
Real Median Household Income
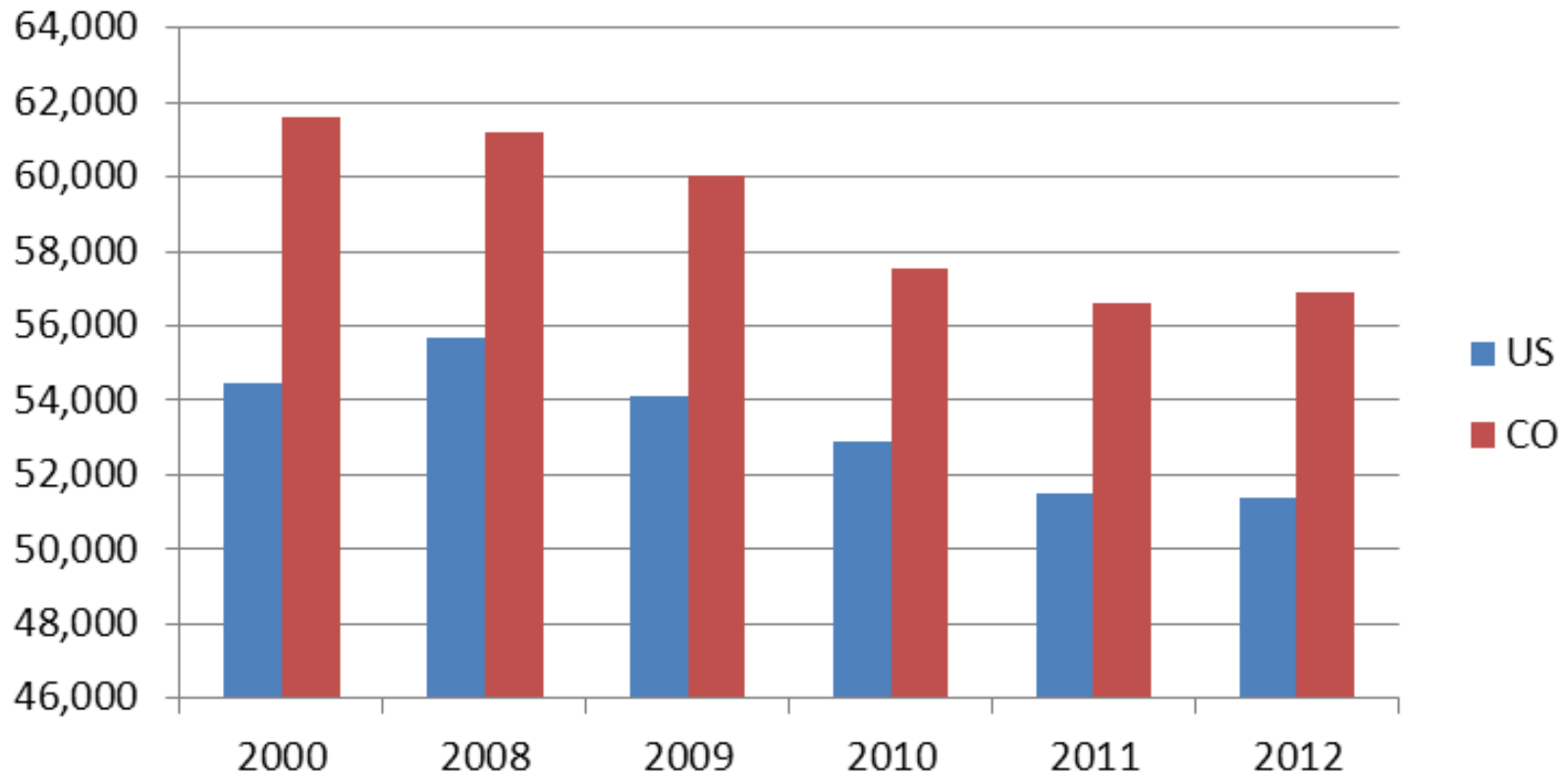
- Real Median Household Income has fallen 2000-12
  - Colorado – 7.6%
  - US - 5.6%

Percent Change: Real Median Household Income

Census Small Area Income and Poverty Estimates: 2000 vs 2012

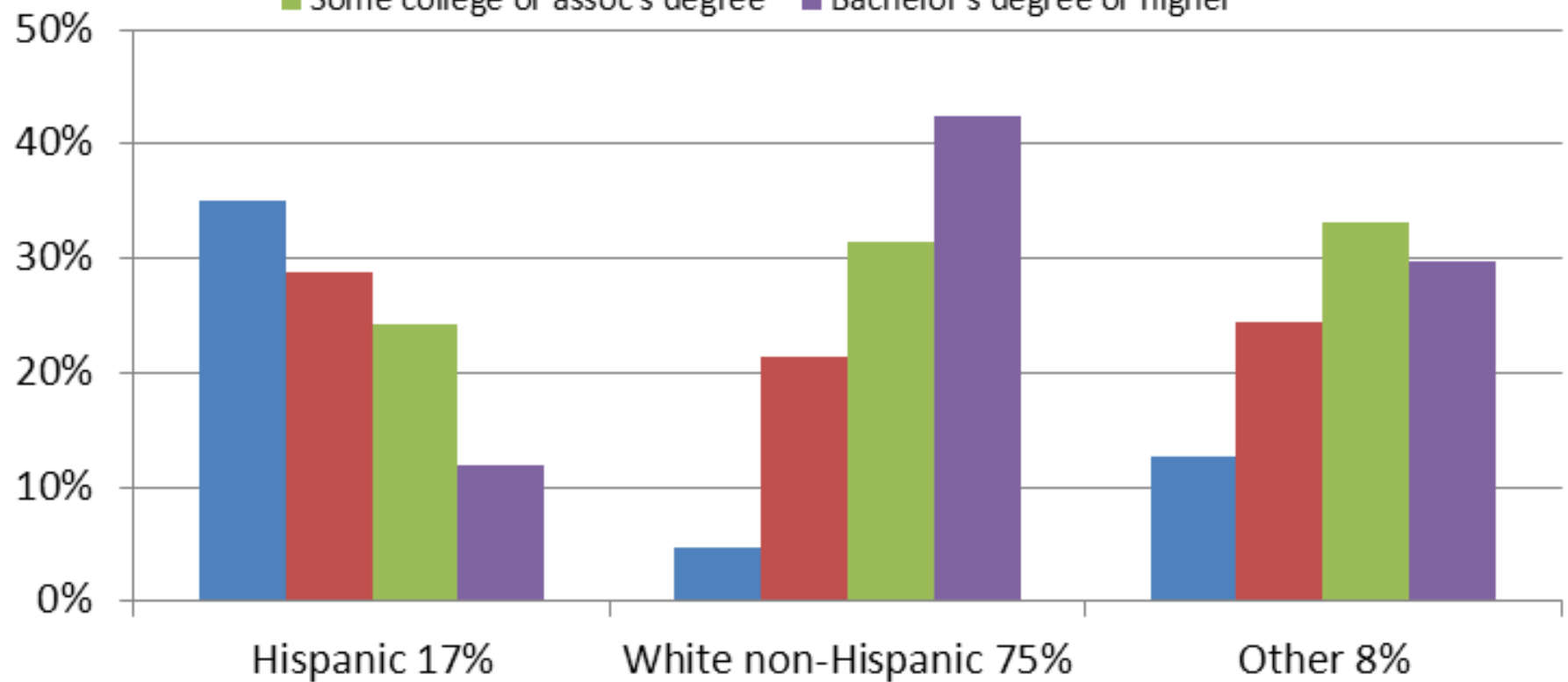### Colorado: -7.7%

Change in CPI-Adjusted Median Household Income

- > 5% Higher
- 0% to 5% Higher
- 0% to 5% Lower
- 5% to 10% Lower
- > 10% Lower

Colorado State Demography Office, 02/05/2014

Sources: Esri, USGS, NOAA
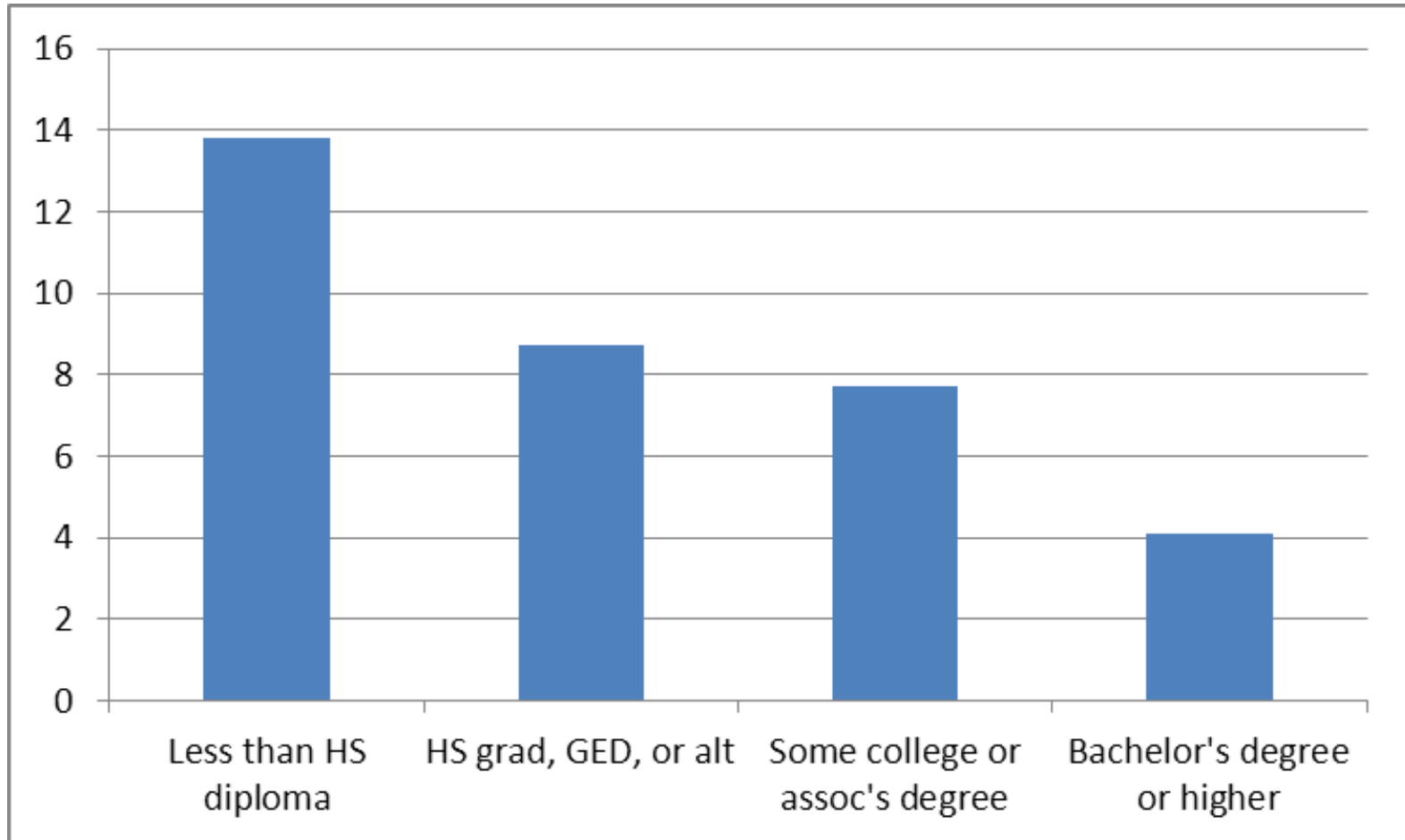
Colorado Educational Attainment by Race for Pop 25+
2010 ACS 1 year

Legend:
- Less than HS diploma
- HS grad, GED, or alt
- Some college or assoc's degree
- Bachelor's degree or higher

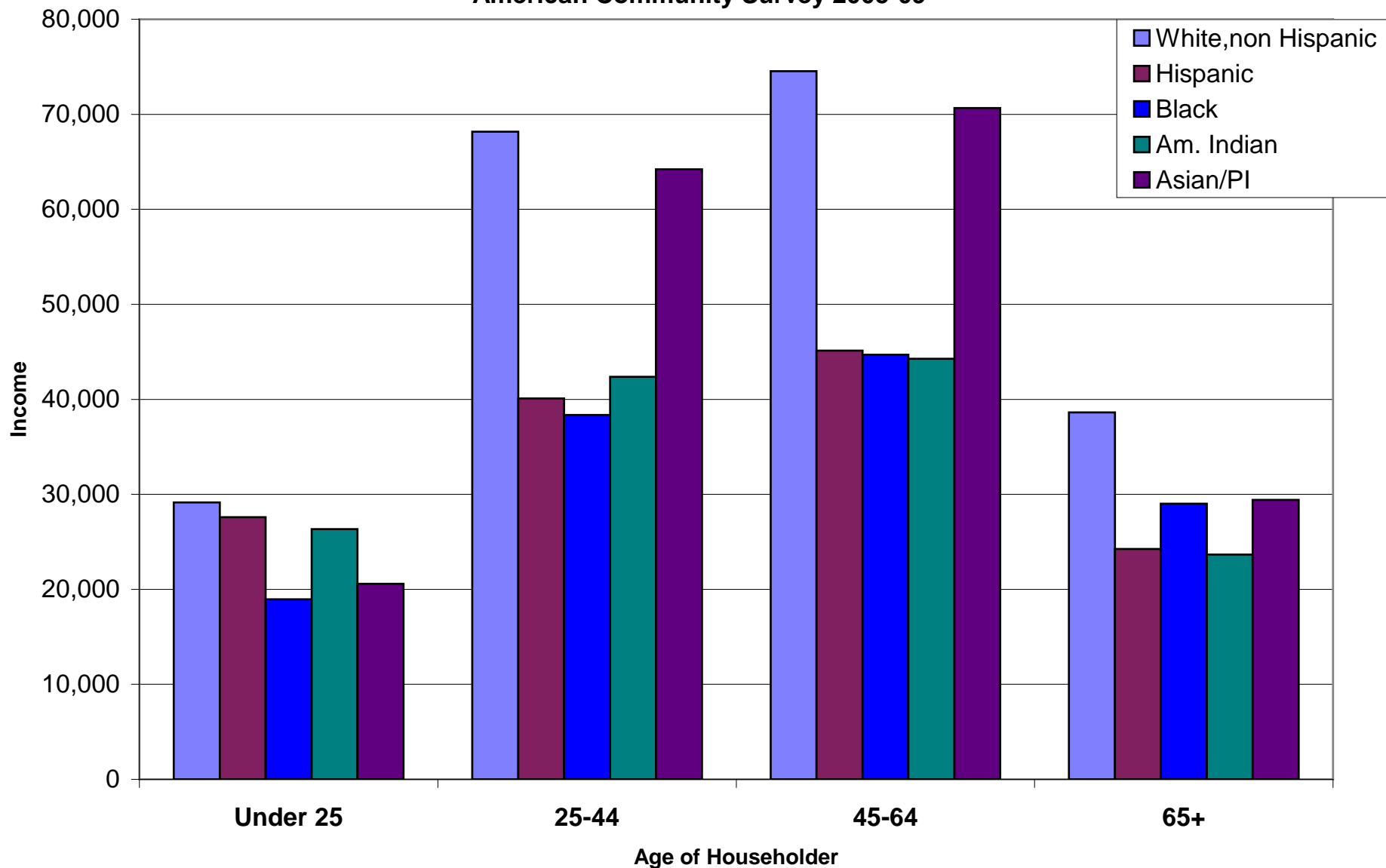Categories: Hispanic 17%, White non-Hispanic 75%, Other 8%

Unemployment Rate by Education, 2011
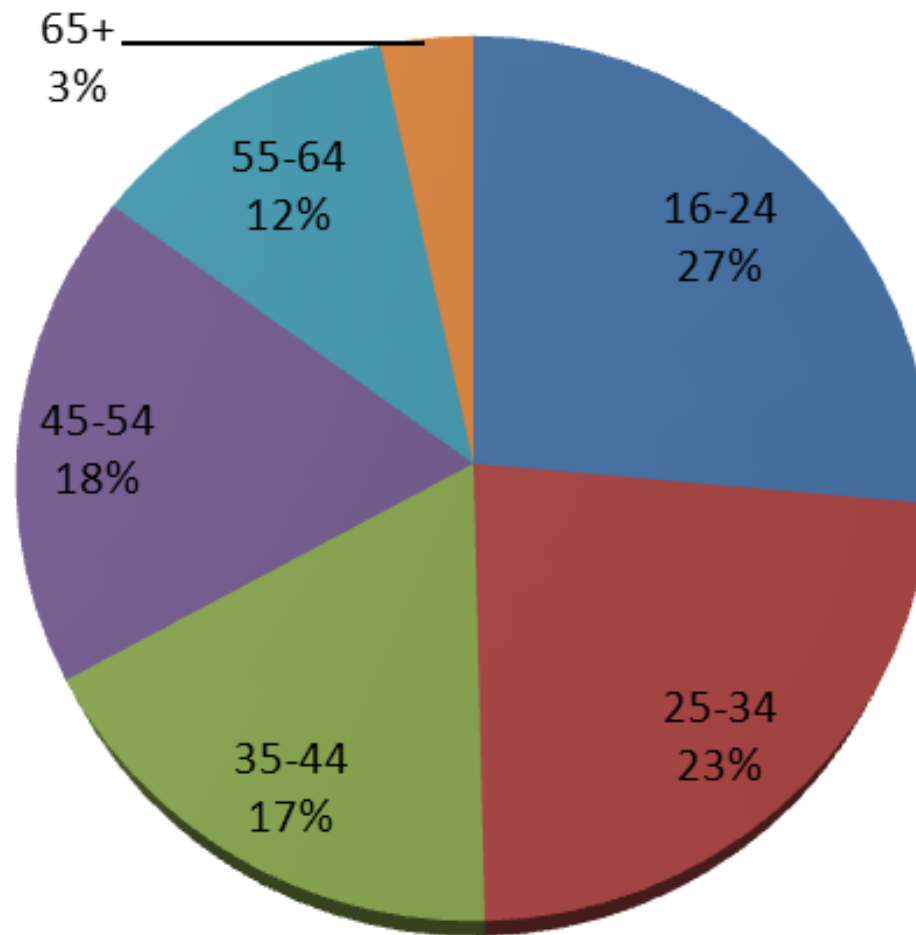
Bureau of Labor Statistics

Colorado Median Household Income by Race/Ethnicity by Age
American Community Survey 2005-09

Legend:
- White, non Hispanic
- Hispanic
- Black
- Am. Indian
- Asian/PI

Y-axis: Income (0 to 80,000)
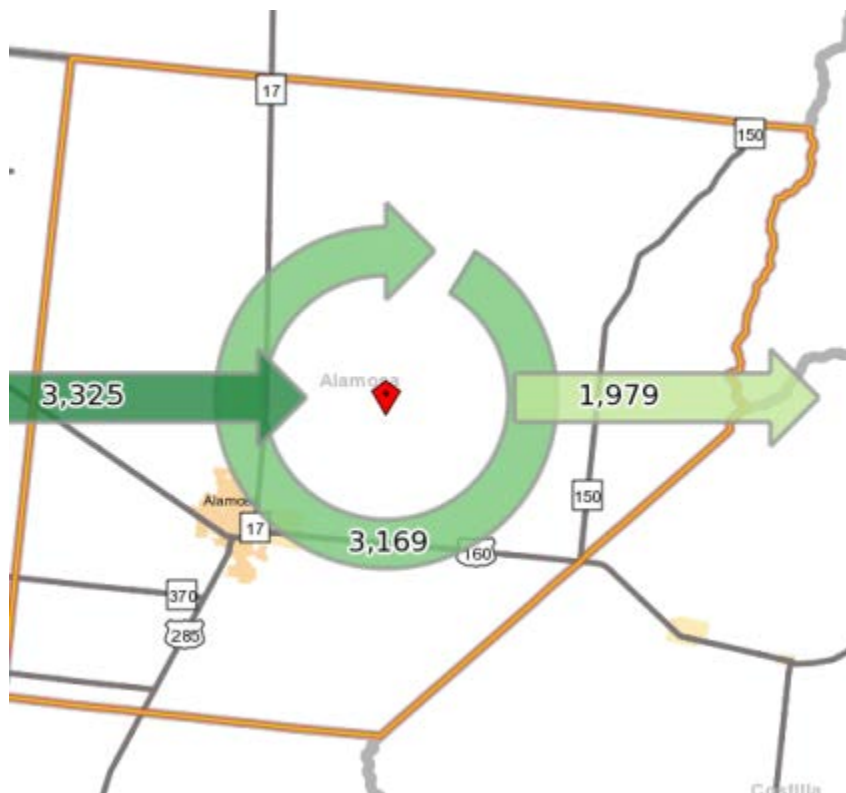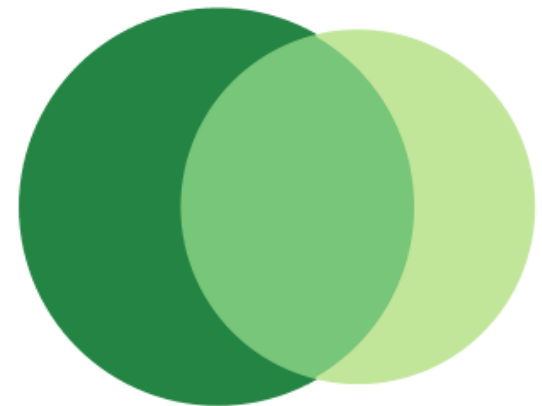
X-axis: Age of Householder — Under 25, 25-44, 45-64, 65+

Share of Unemployed by Age

Source: Bureau of Labor Statistics 2011 Annual Average

Commuting - Local Employment Dynamics – On the Map -http://onthemap.ces.census.gov/

Inflow/Outflow Job Counts in 2011

3,325 - Employed in Selection Area, Live Outside
1,979 - Live in Selection Area, Employed Outside
3,169 - Employed and Live in Selection Area

Inflow/Outflow Job Counts (Primary Jobs)

	2011	
	Count	Share
Employed in the Selection Area	6,494	100.0%
Employed in the Selection Area but Living Outside	3,325	51.2%
Employed and Living in the Selection Area	3,169	48.8%
Living in the Selection Area	5,148	100.0%
Living in the Selection Area but Employed Outside	1,979	38.4%
Living and Employed in the Selection Area	3,169	61.6%

Reset Highlighting

Unpacking Data

- Population Estimates and Forecasts By Age
  - Market
  - Labor Force
  - Data Visualization
- Characteristics
  - American Community Survey
  - Data Visualizations
  - Local Employment Dynamics – On the Map - http://onthemap.ces.census.gov/
- Employment
  - Total job estimates and forecasts – includes proprietors
  - Base Industry Analysis
  - Labor Force
  - Data Visualizations

Long-Term Challenges - Colorado

- Maintaining Economic and Amenity Advantages
  - Everyone competing for best and brightest.
- Fostering Health and Diverse Base Industries in otherwise single industry dominant areas.
- Growth in high and low skill/wage service jobs – bifurcation
- Disparate growth across state.
- Coping with opportunities and challenges of an aging population
- Transitions in the Labor Force
  - Participation Rates, growth rates of labor force
- Income – downward pressure on per household income.
  - Age
  - Educational attainment – potential
  - Long run un and under employment

Thank you

State Demography Office

Department of Local Affairs

Elizabeth Garner

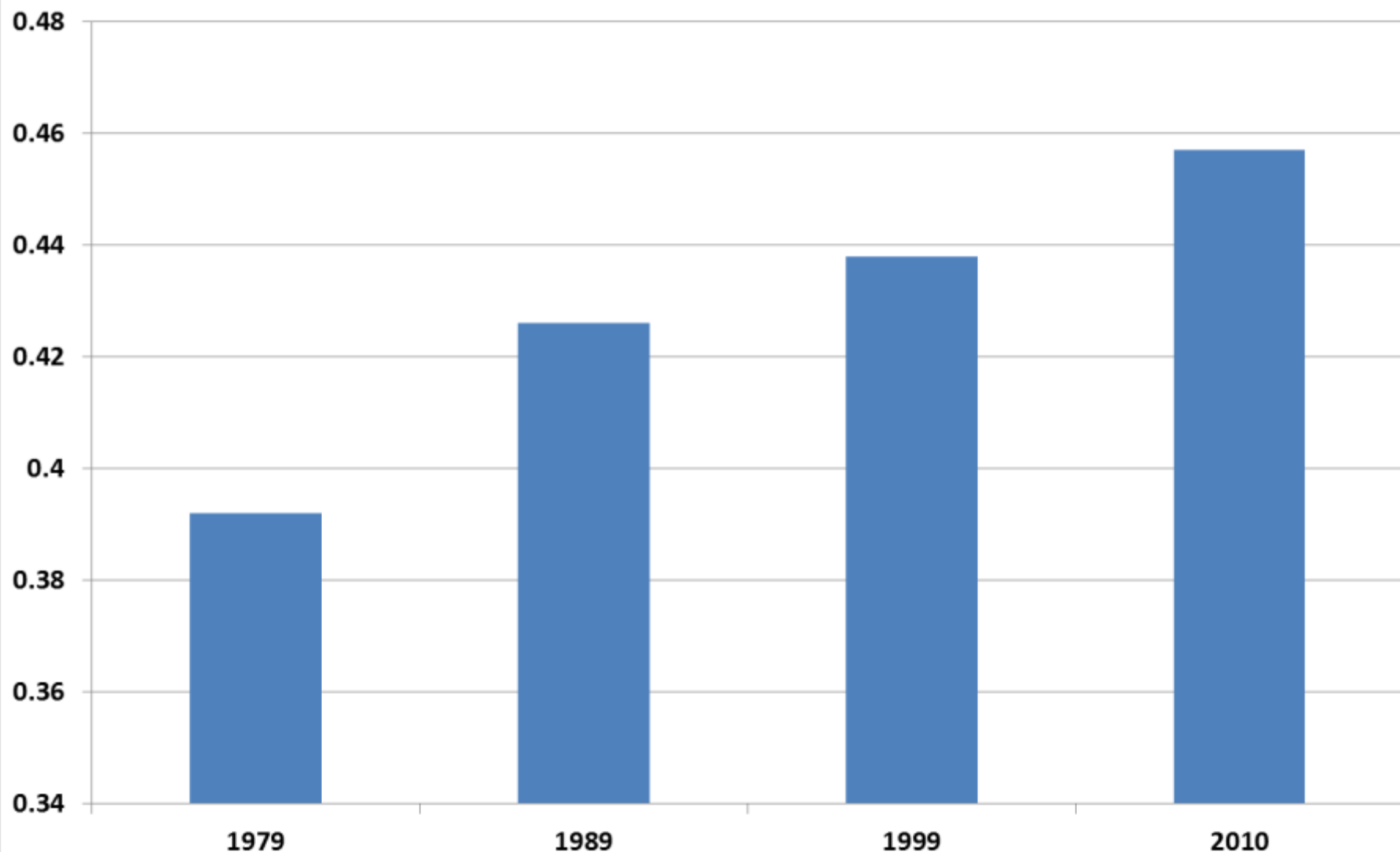Elizabeth.garner@state.co.us

303-864-7750

www.colorado.gov/demography

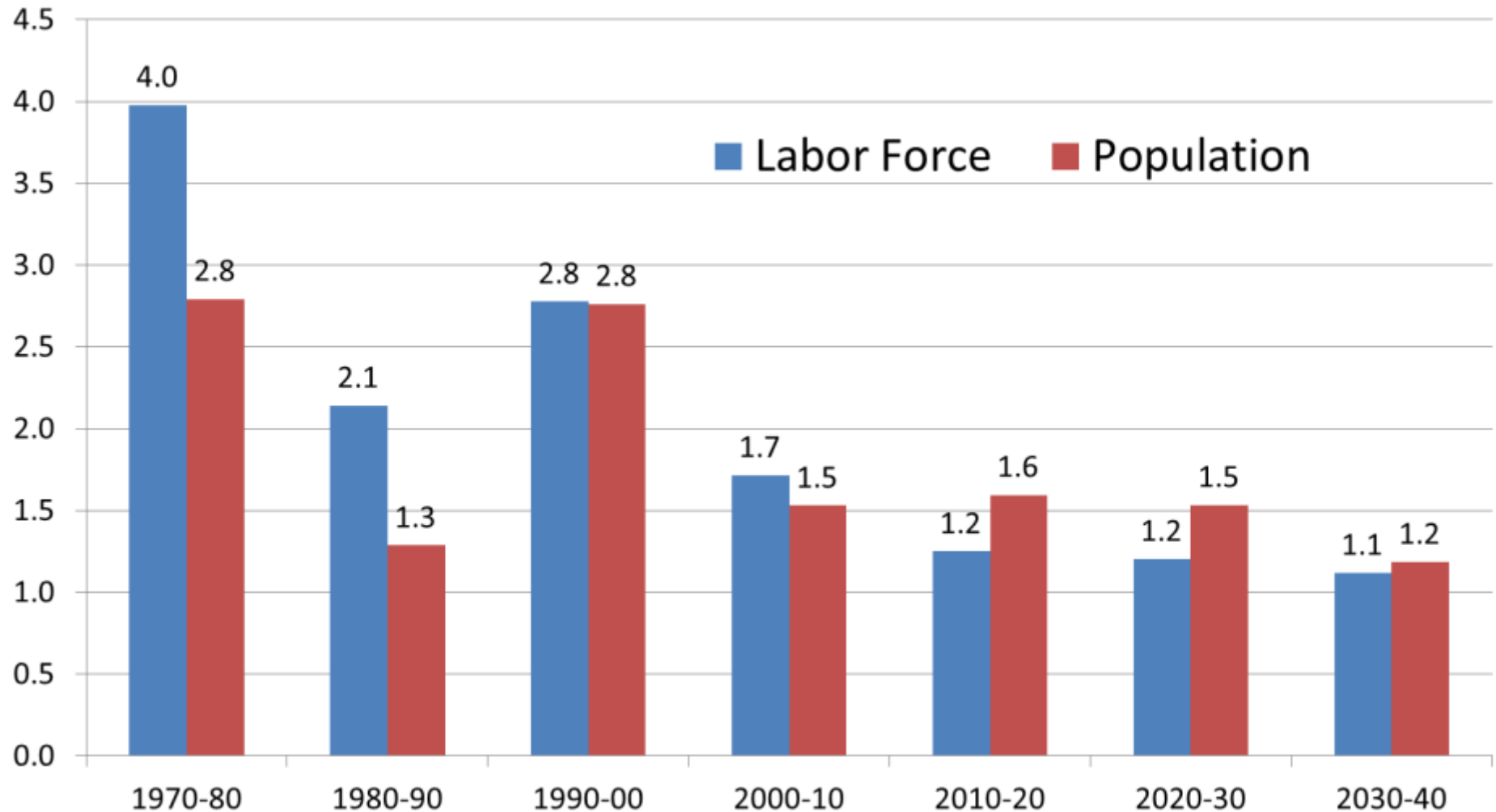**Colorado Income Inequality Measured by Gini Index**
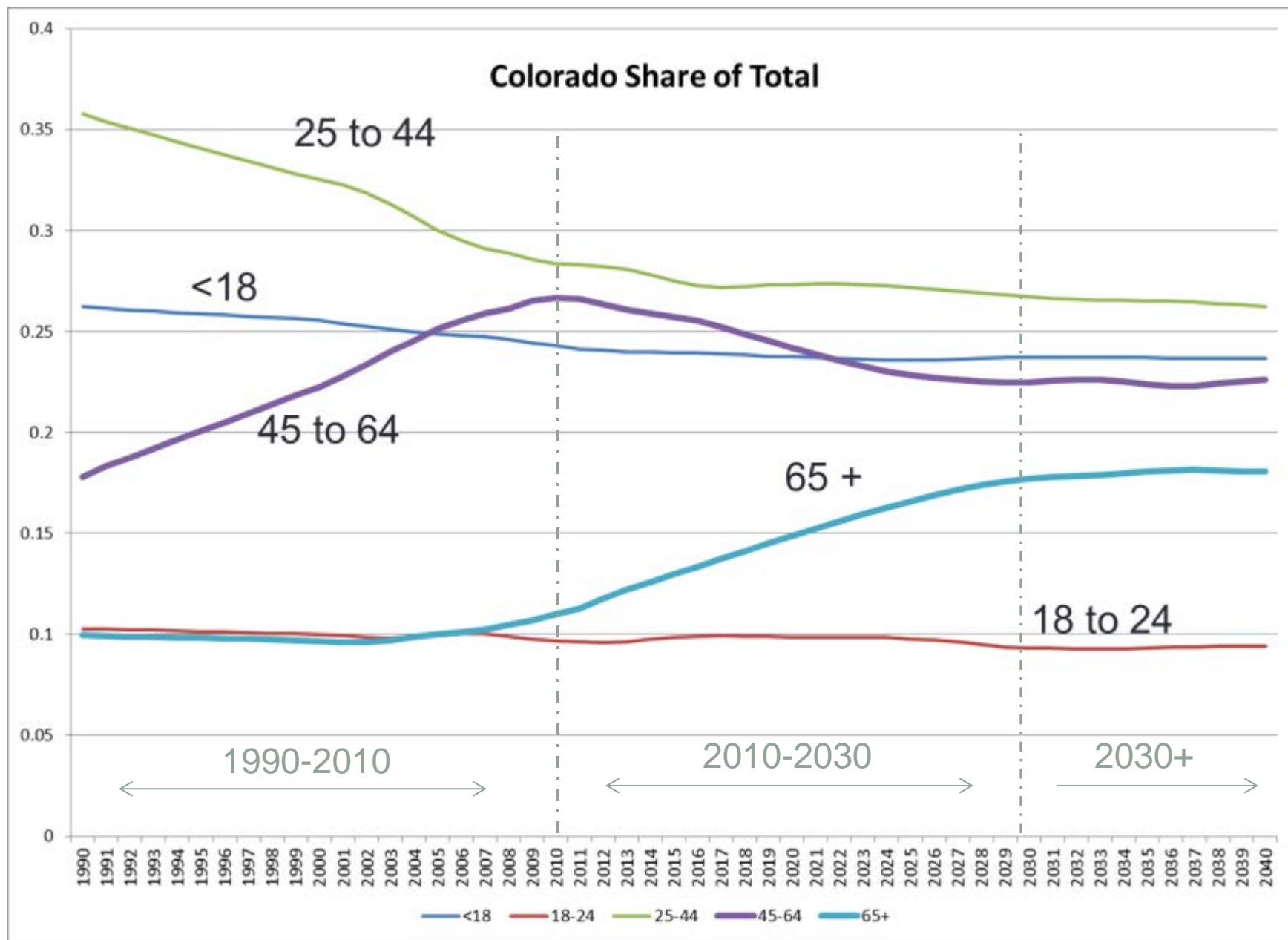**0 - 1 Perfect Equality - Inequality**
Census Bureau

Colorado Population and Labor Force Growth Rates

Colorado Share of Total

Aging and Public Finance

- Ratio of 65+ per 20-64 year olds in CO
  - Becoming more "normal"
- End of the "demographic dividend"
- Public Finance – change in revenue and expenditures.
- Income tax – downward pressure
- Sales tax – downward pressure
- Property tax – downward pressure
- Health services – increasing
- Medicaid – increasing

Transition