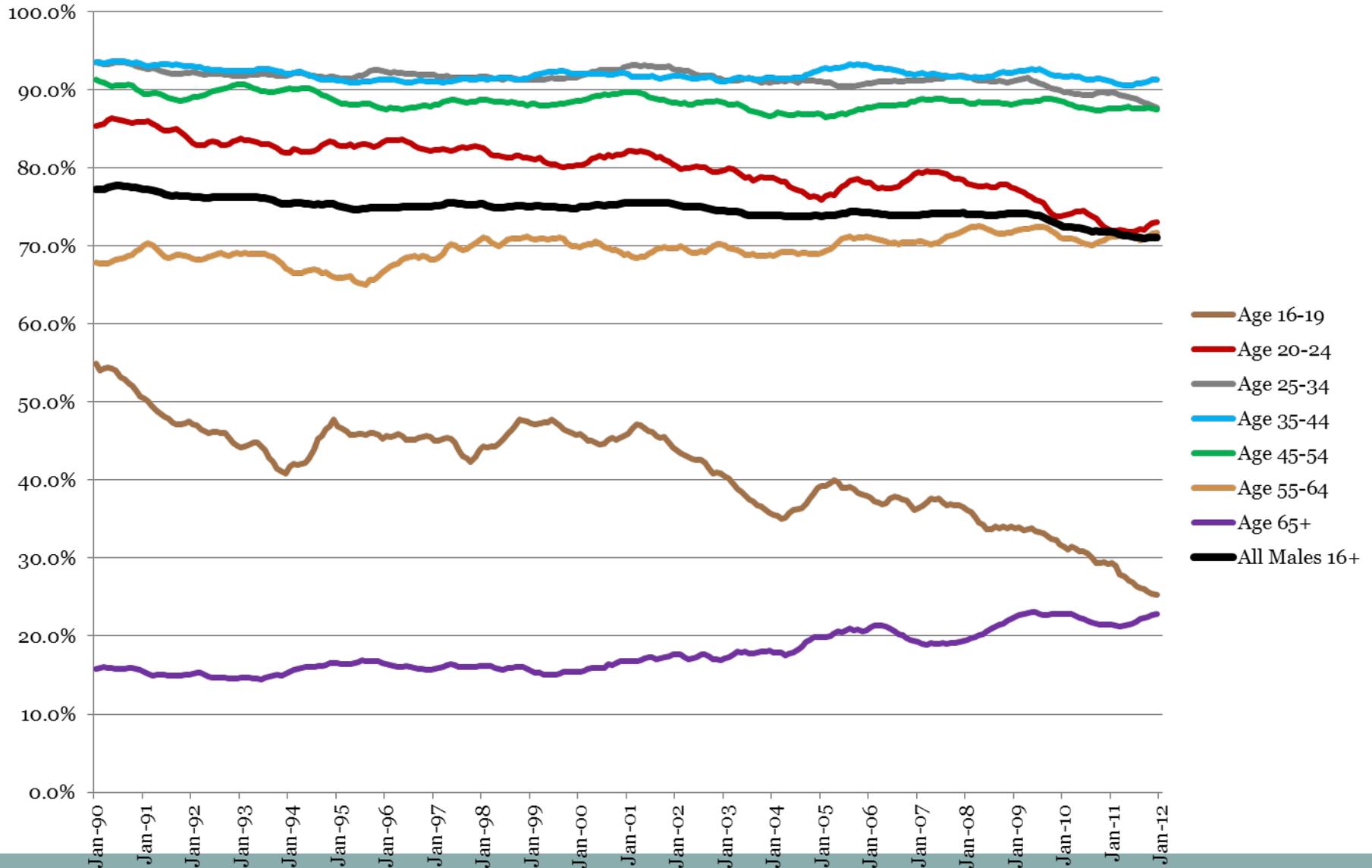


California Demography: Layers of Change

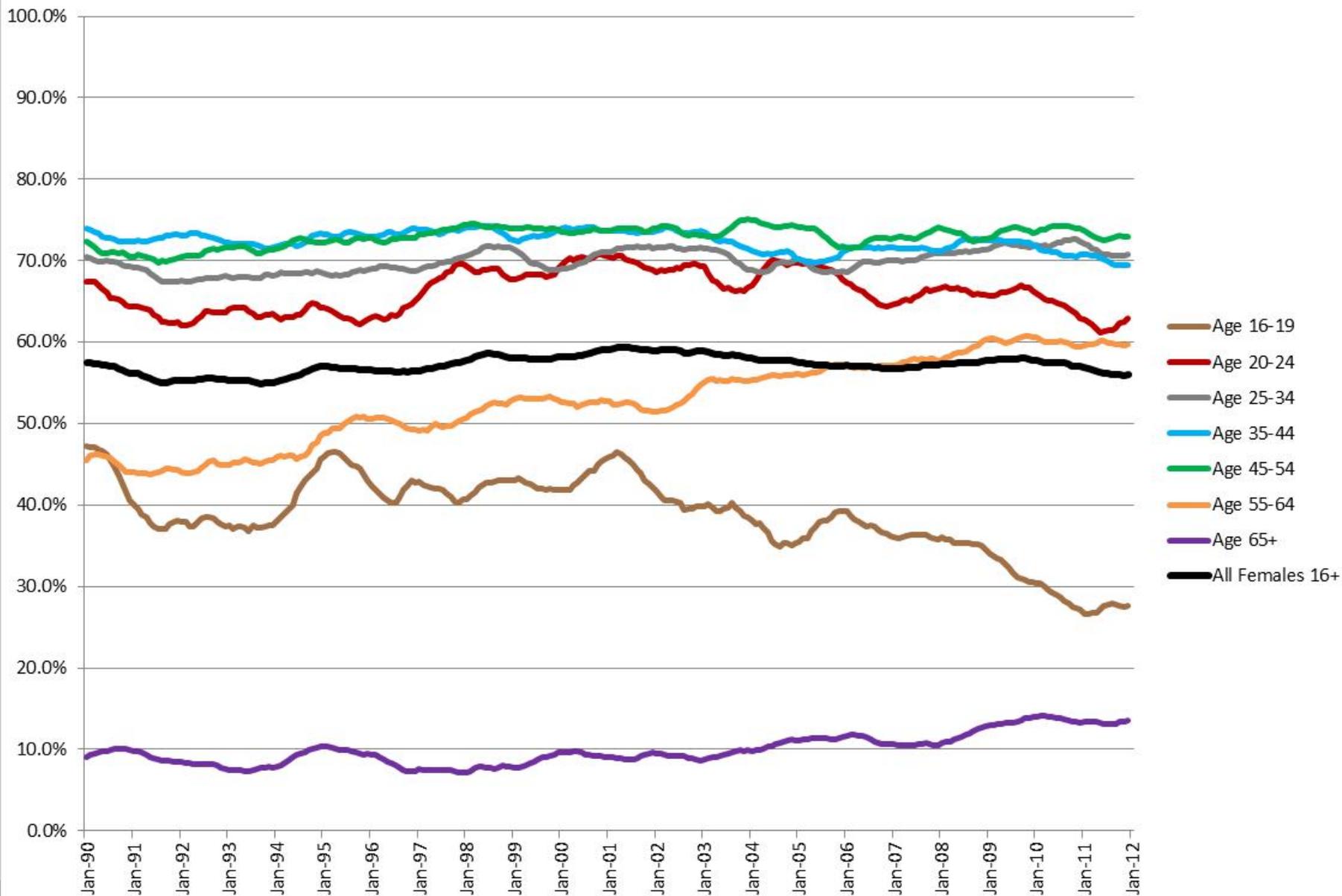


APRIL 24, 2014
BILL SCHOOLING
DEMOGRAPHIC RESEARCH UNIT
CALIFORNIA DEPARTMENT OF FINANCE

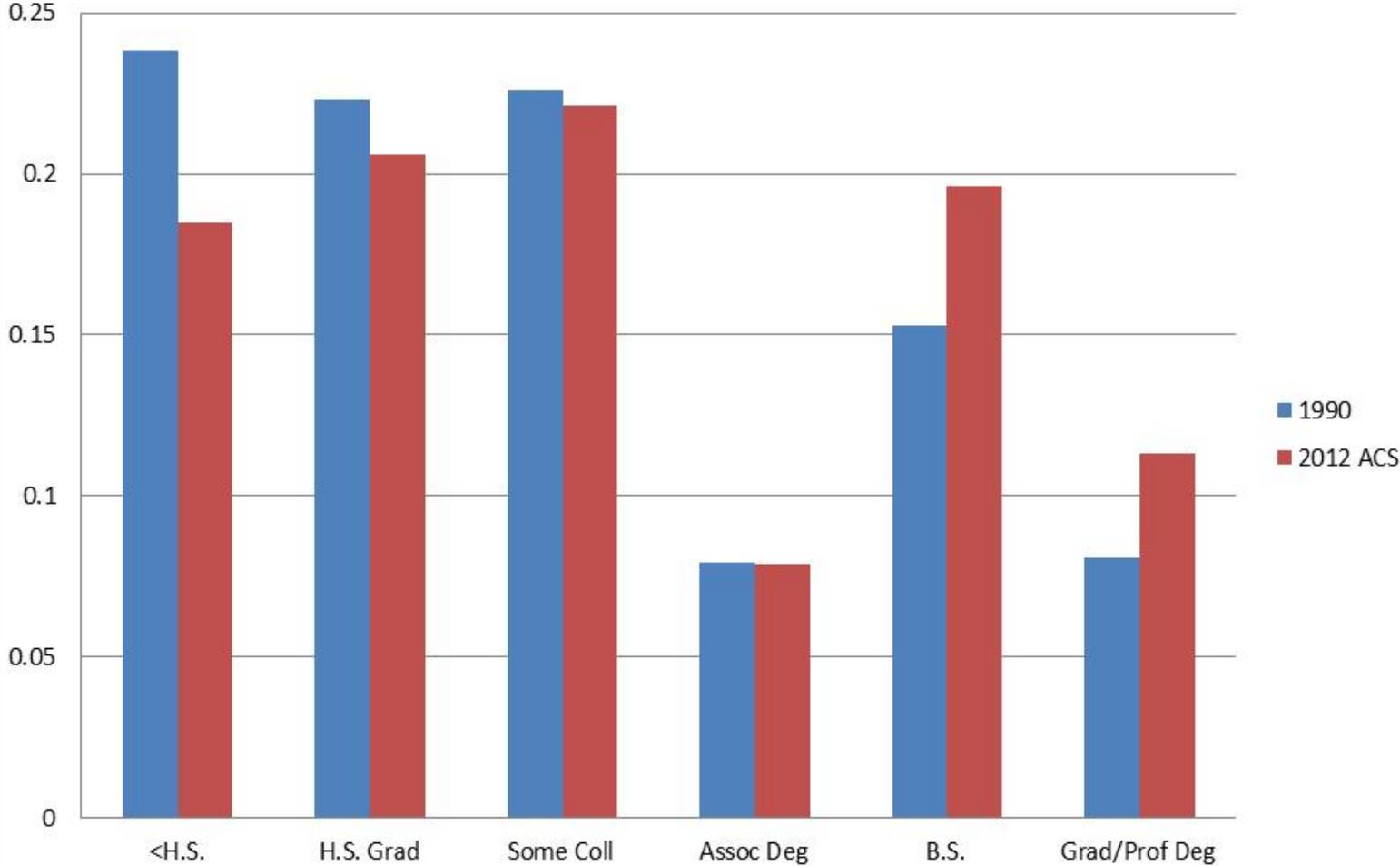
California Male Labor Force Participation Rates by Age Group



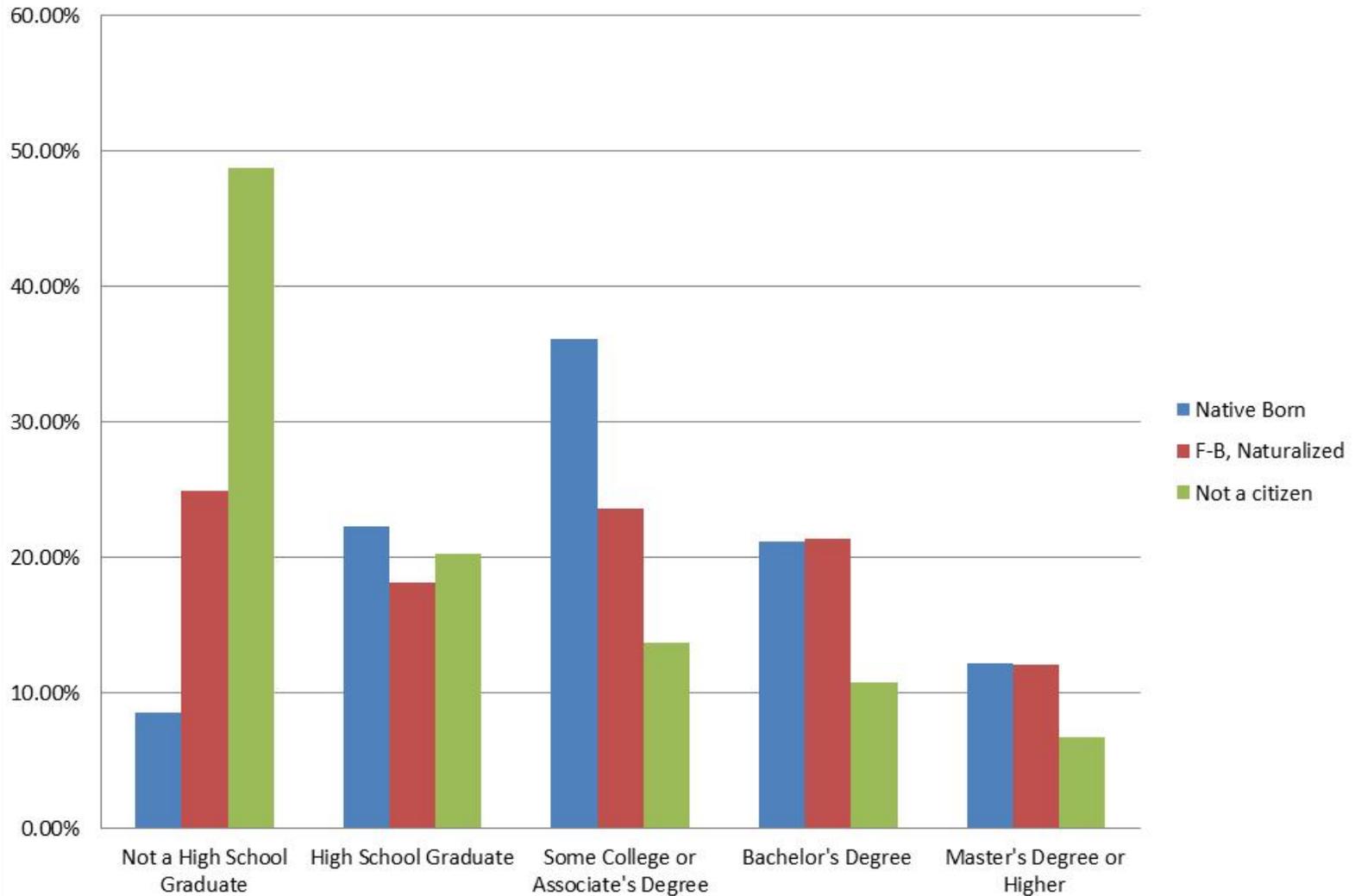
California Female Labor Force Participation Rates by Age Group



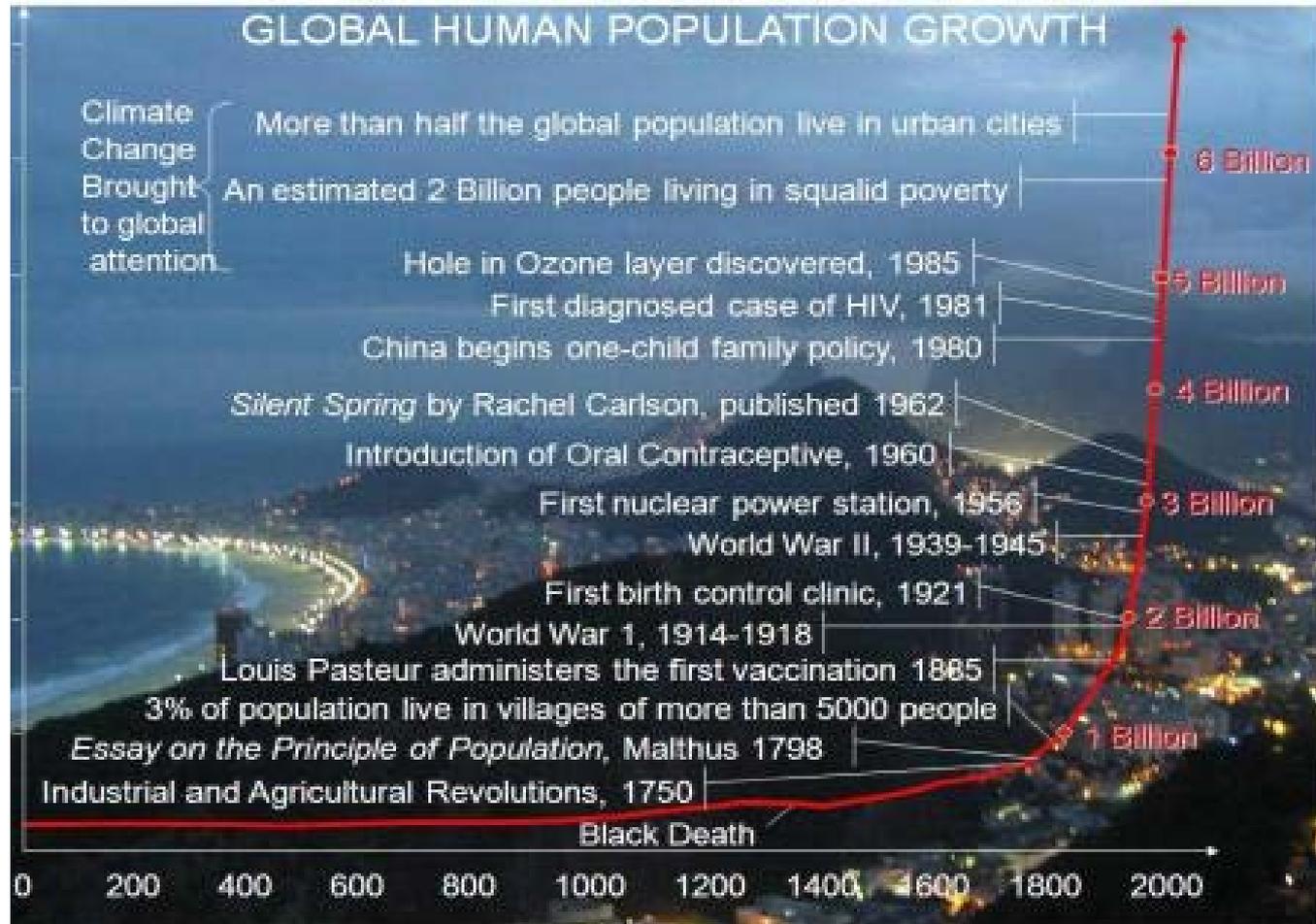
Educational Attainment 25 & Over



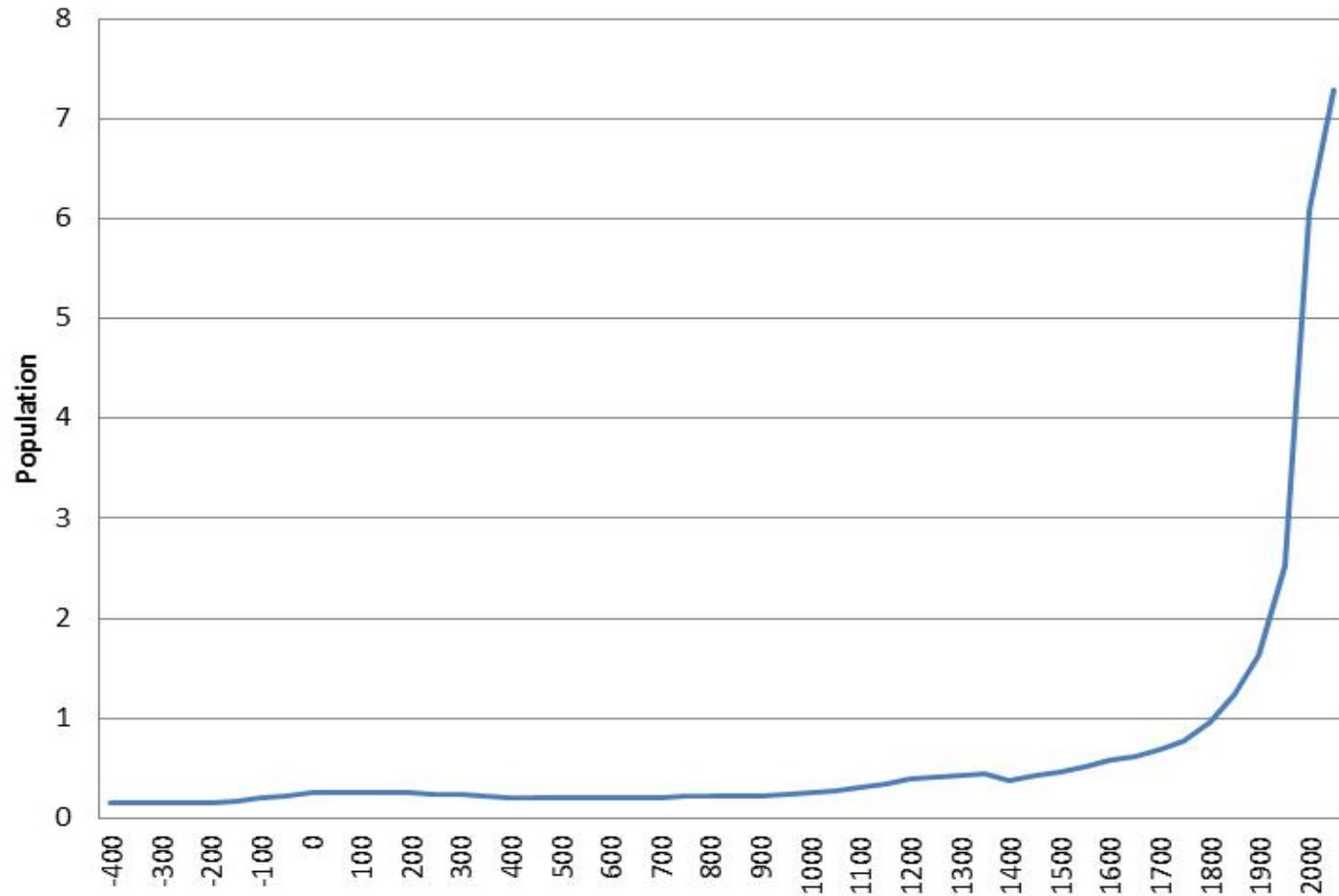
Educational Attainment, 25+ - 2011



GLOBAL HUMAN POPULATION GROWTH



World Population (B)



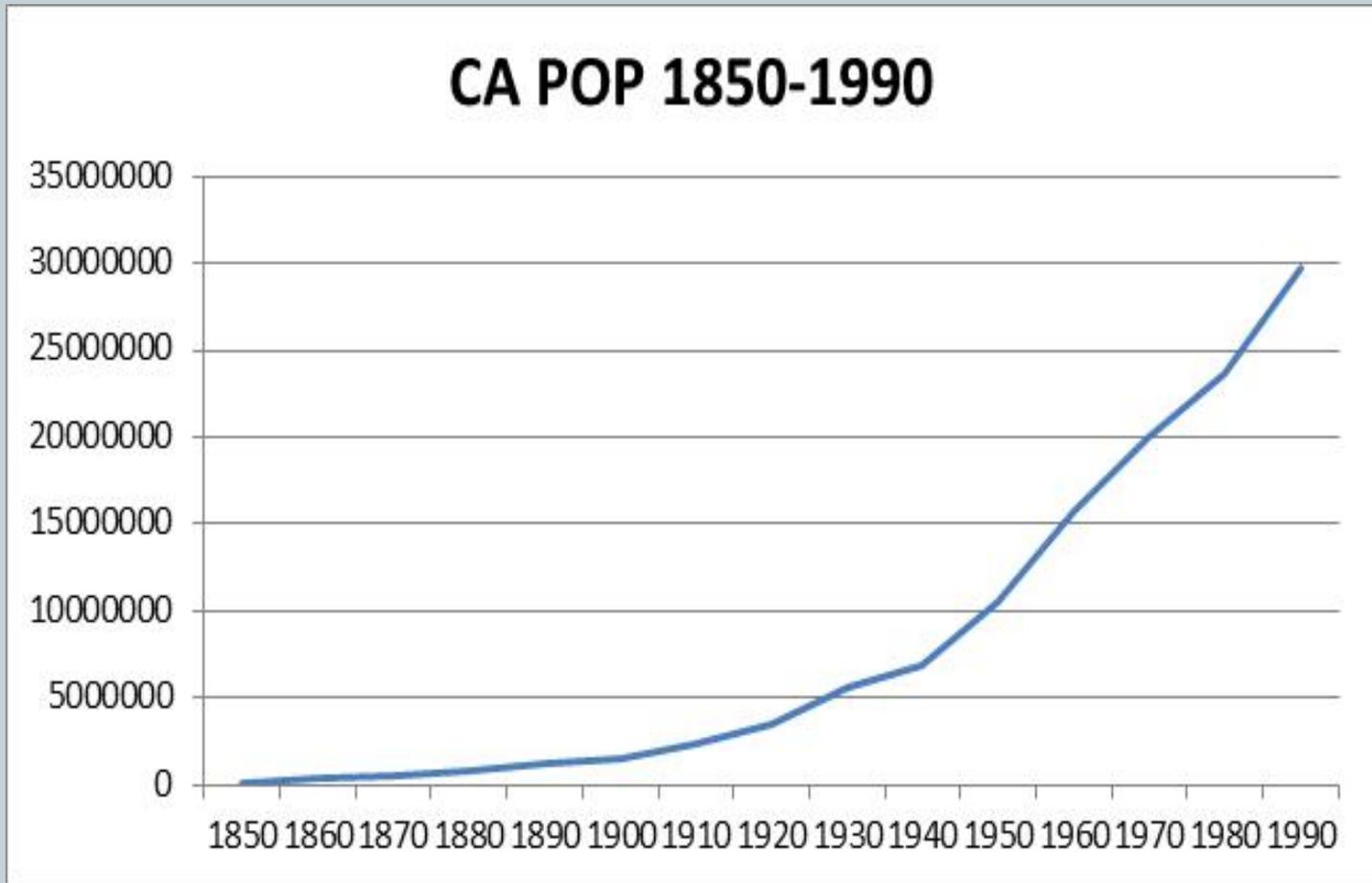
HOW BIG IS CALIFORNIA'S POPULATION?



- Does California have a larger or smaller population than:
 - Germany? California is larger; smaller
 - Canada? California is larger; smaller
 - Australia? California is larger; smaller
 - France? California is larger; smaller

California Population Growth 1850-1990

Annual Average: 4.21 percent



How Fast Will California Grow Between 2014 & 2114?

- 5-6 % per year
- 4.21 % per year
- 2-4 % per year
- 1-2 % per year
- 0-1 % per year
- CA will lose population

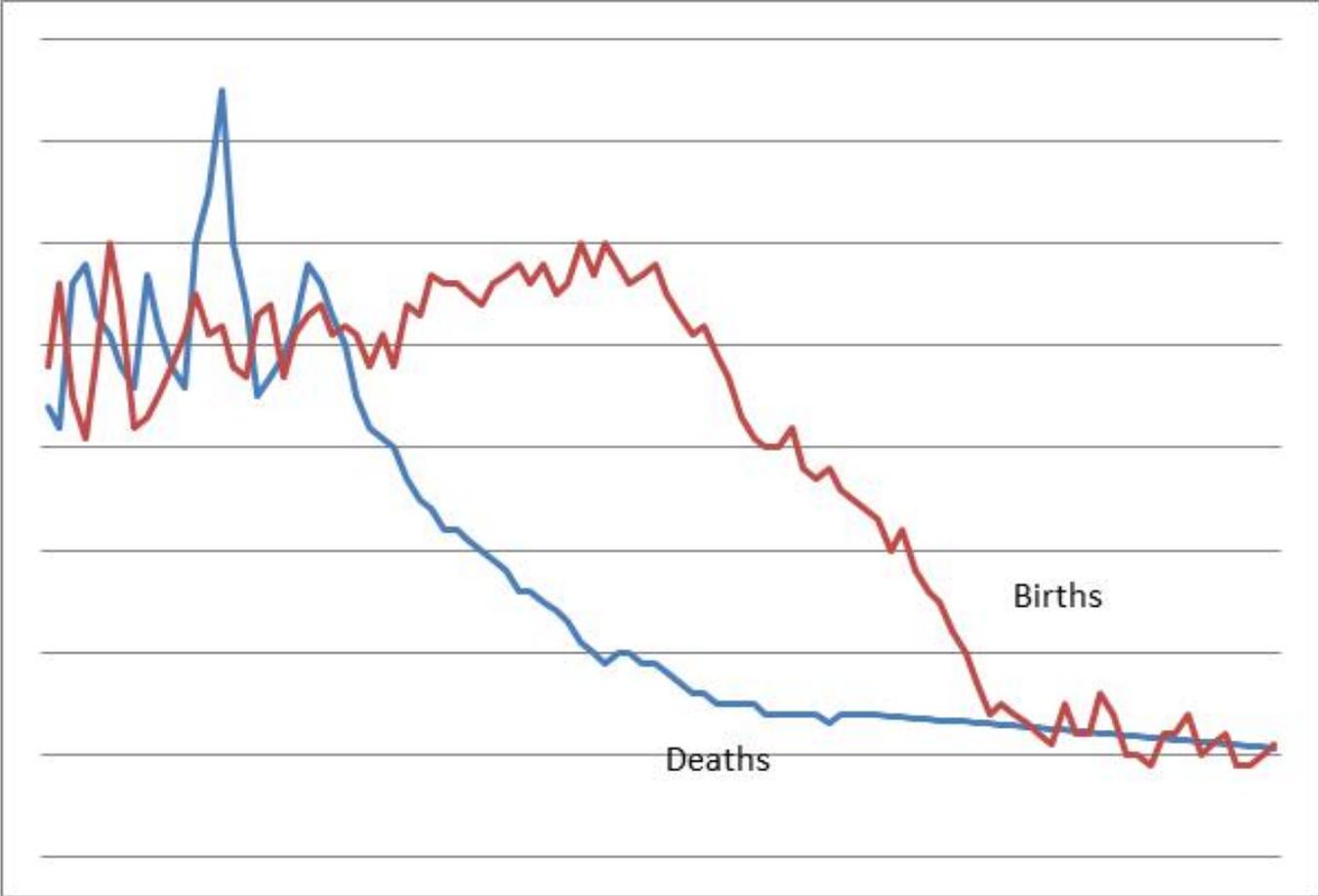
- When does change stop?

How does a country's population change?



- Births
- Deaths
- Immigration
- Emigration
- What causes a country to grow rapidly?
- What's different about the world compared to national population change?
- What's different about a state's population change compared to a nation's population change?

Demographic Transition Theory: 4 Stages



Population Change & Structure



What country has these characteristics?

2014 Population: 17,466,000

Growth Rate: 3.3 Percent

Births: 806,000

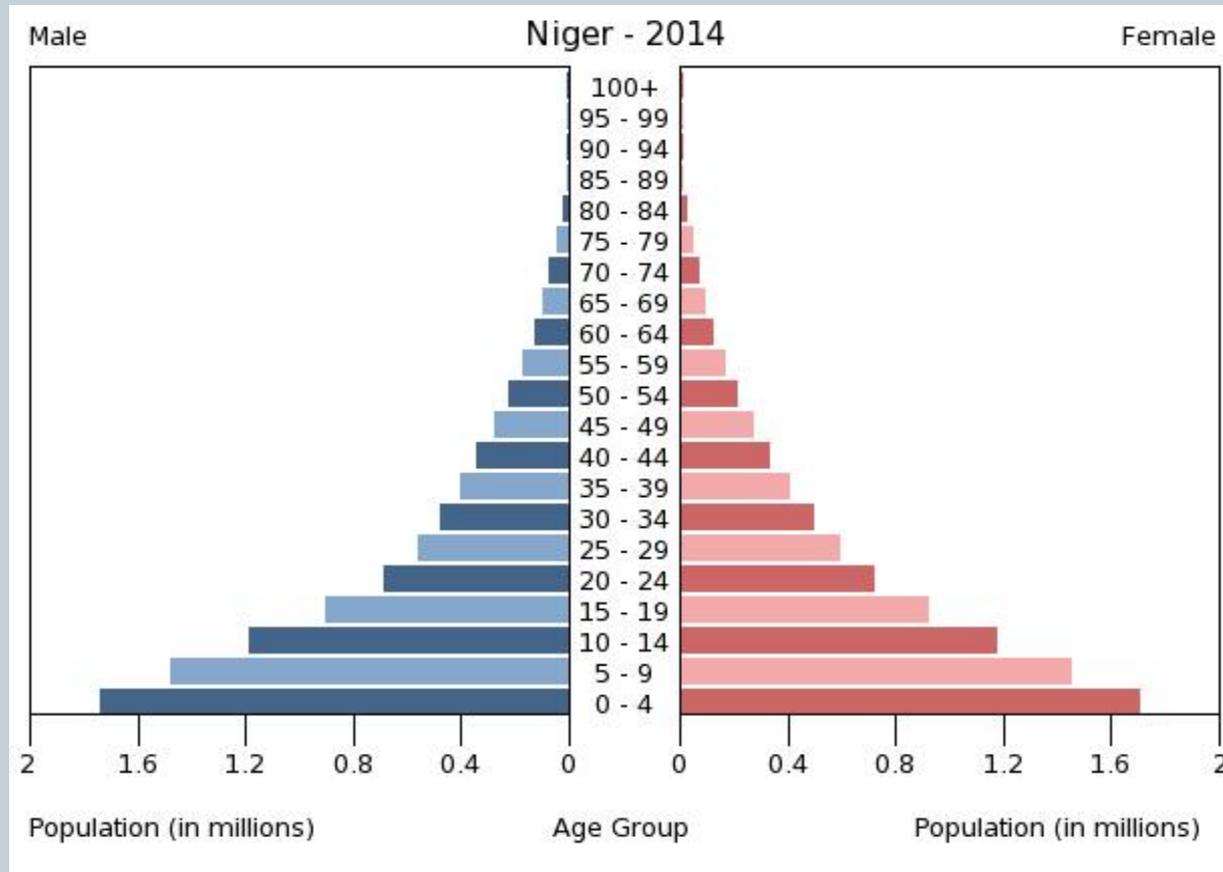
Life Expectancy at Birth: 55 Years

Infant Mortality: 86 per 1,000 Births

Deaths: 222,000

Net Migration: -10,000

POPULATION STRUCTURE & CHANGE



Population Change & Structure



What country has these characteristics?

2014 Population: 127,103,000

Growth Rate: -0.1 Percent

Births: 1,026,000

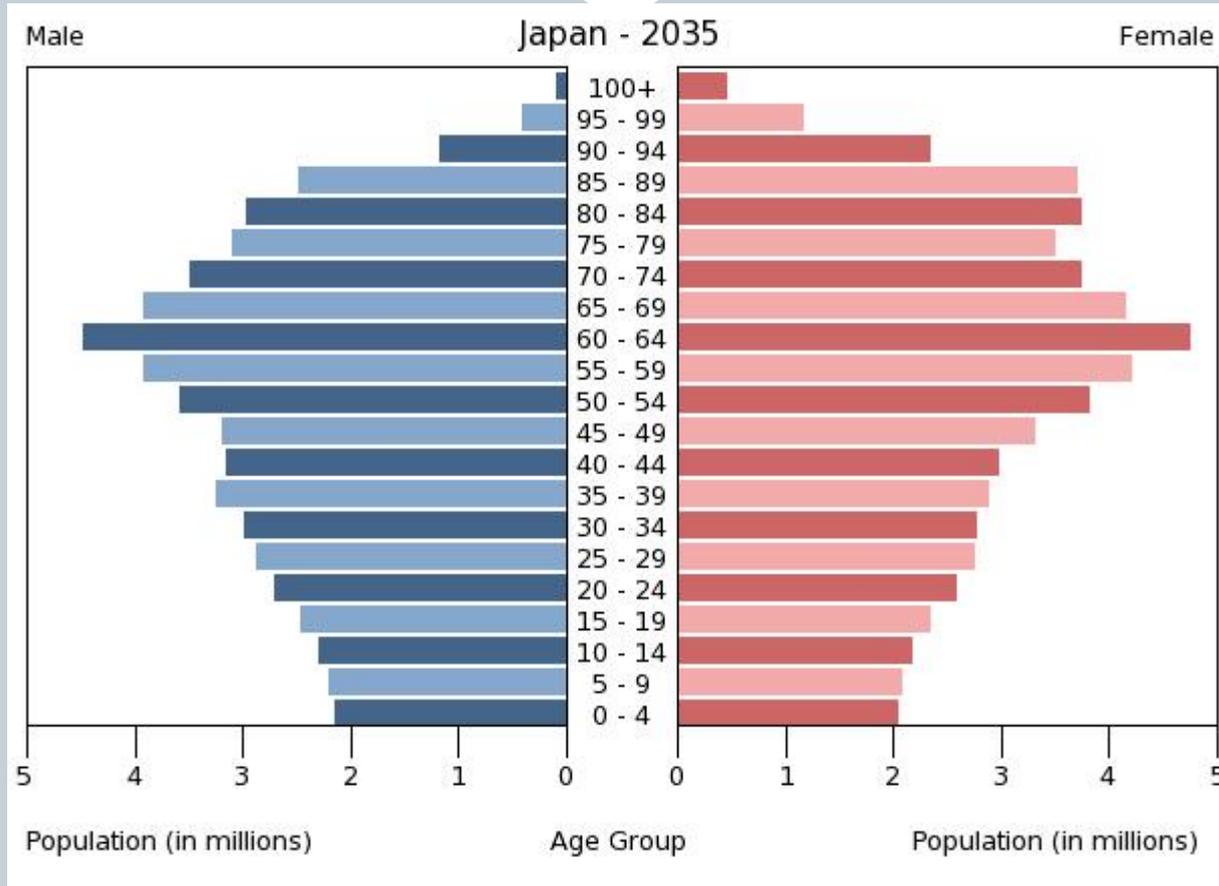
Life Expectancy at Birth: 84 Years

Infant Mortality: 2 per 1,000 Births

Deaths: 1,192,000

Net Migration: 0

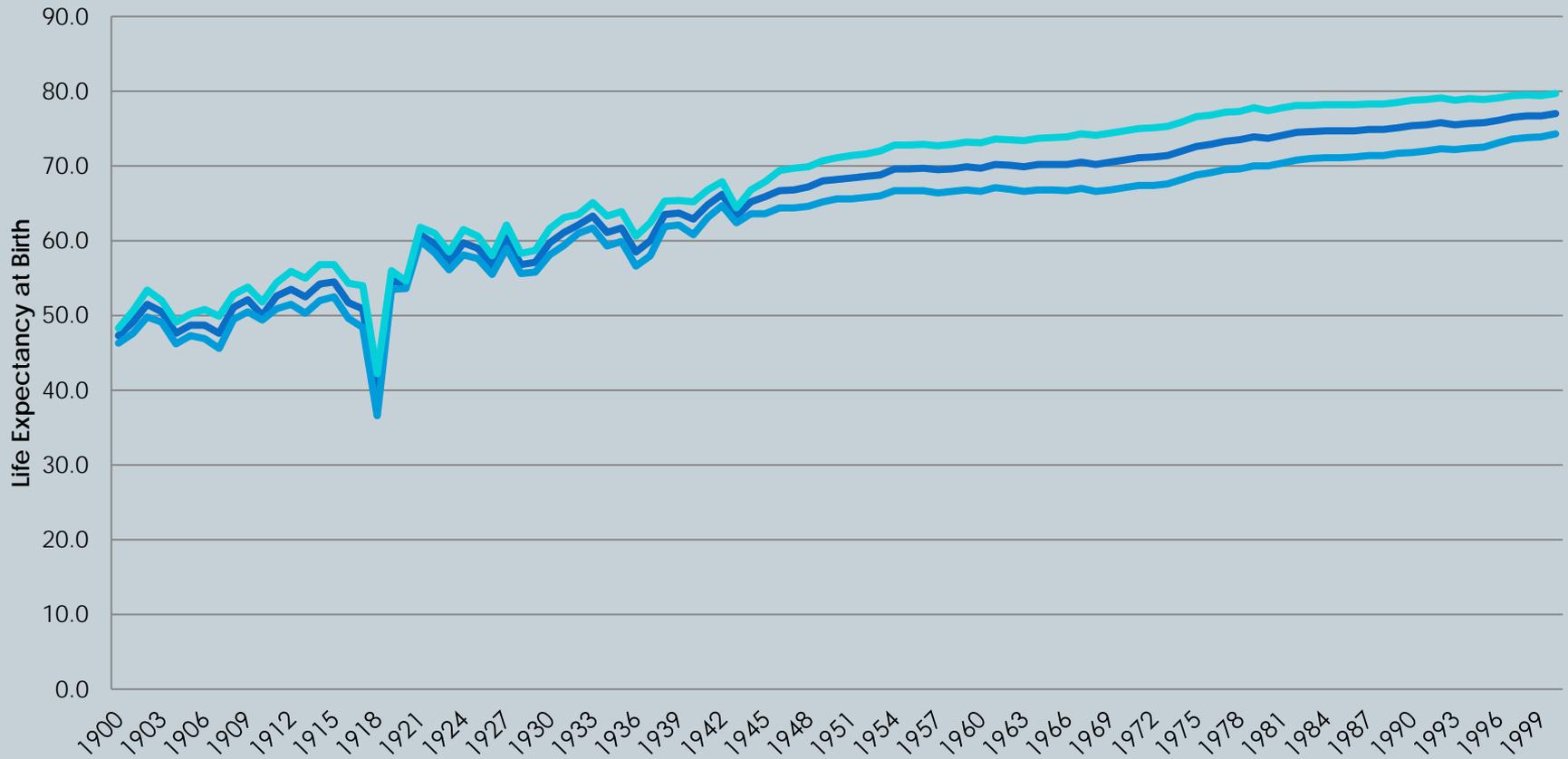
Contrasting Population Structure & Change



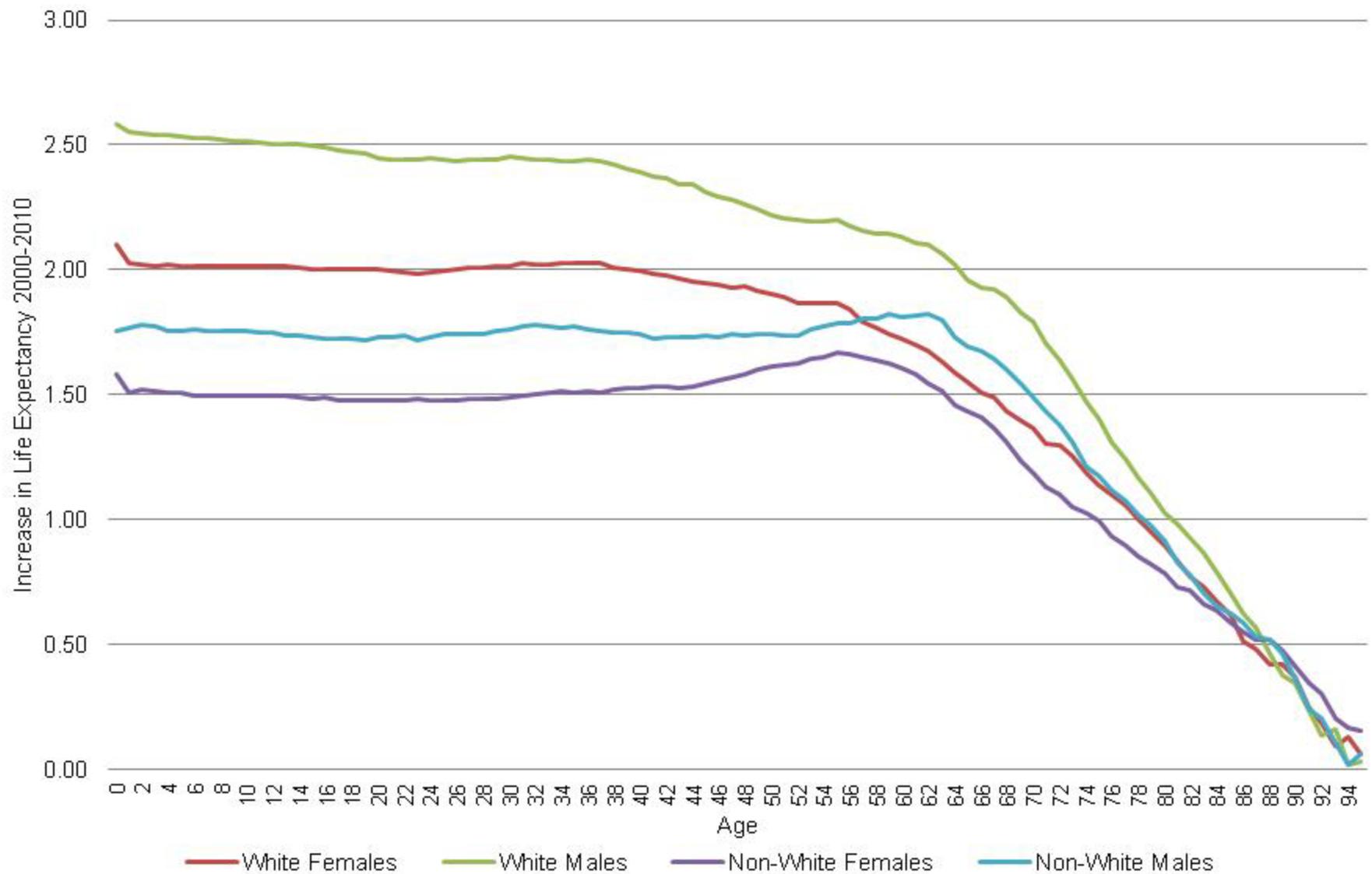
Deaths and Life Expectancy



Life Expectancy in the United States 1900-2000



Change in Life Expectancy 2000 to 2010

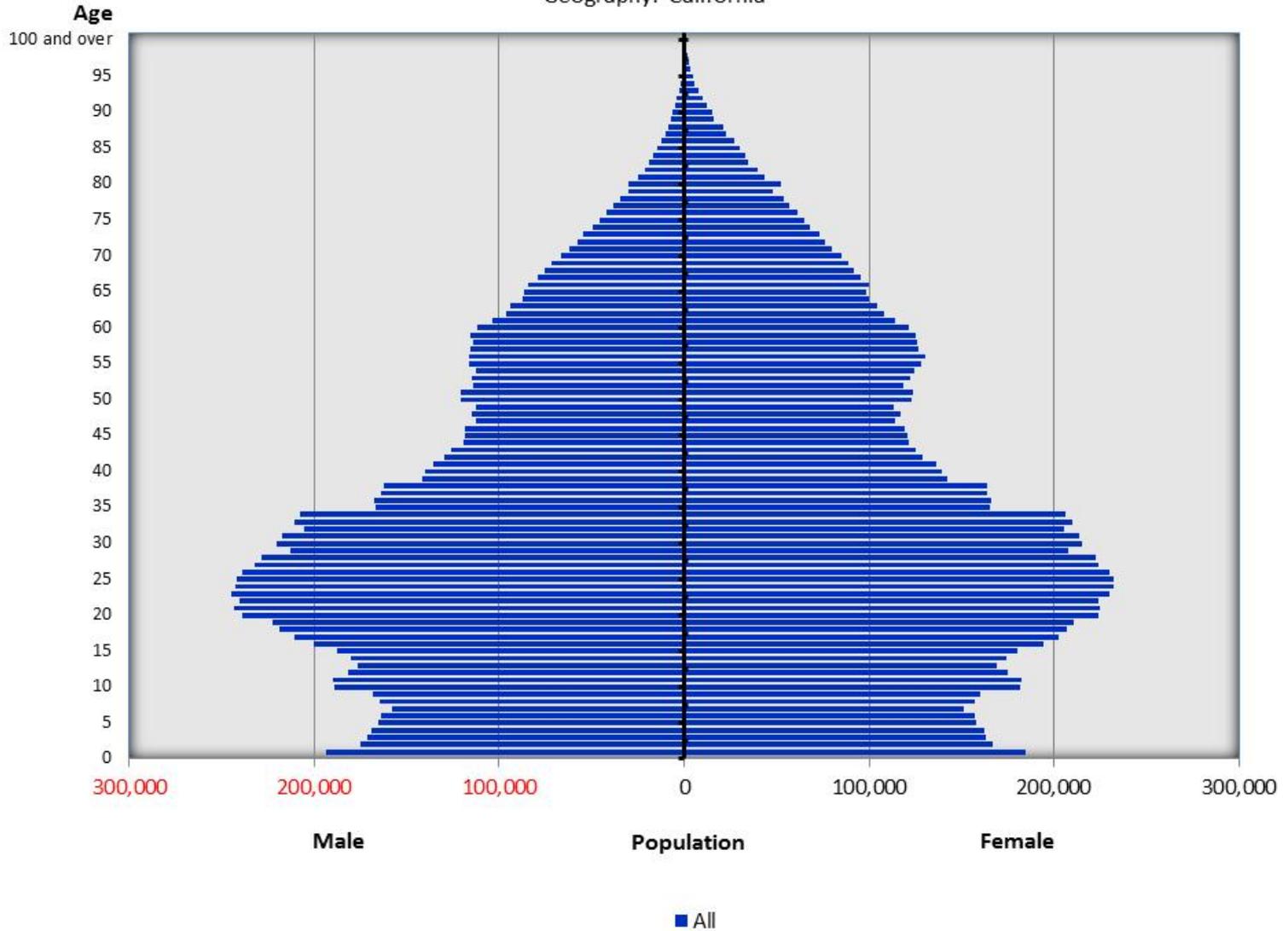


Based on Deaths 2000 (1998-2000) and 2010 (2008-2010) provided by the CA Department of Public Health, Vital Statistics.
Chart prepared by: Demographic Research Unit, California Department of Finance, May 7, 2012.

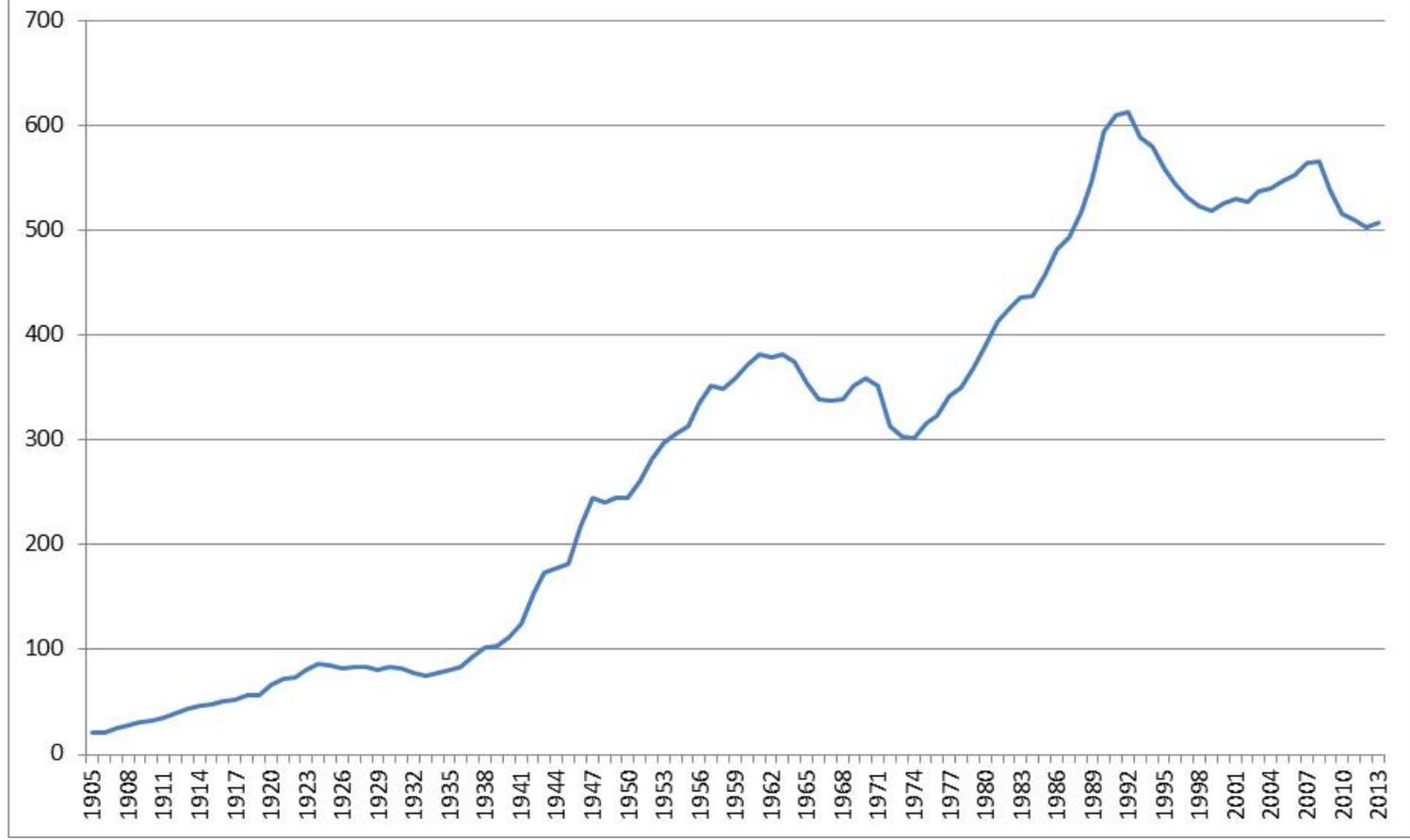
1980 Population, Age and Sex Characteristics by Race

Source: Census 1980 Summary File

Geography: California



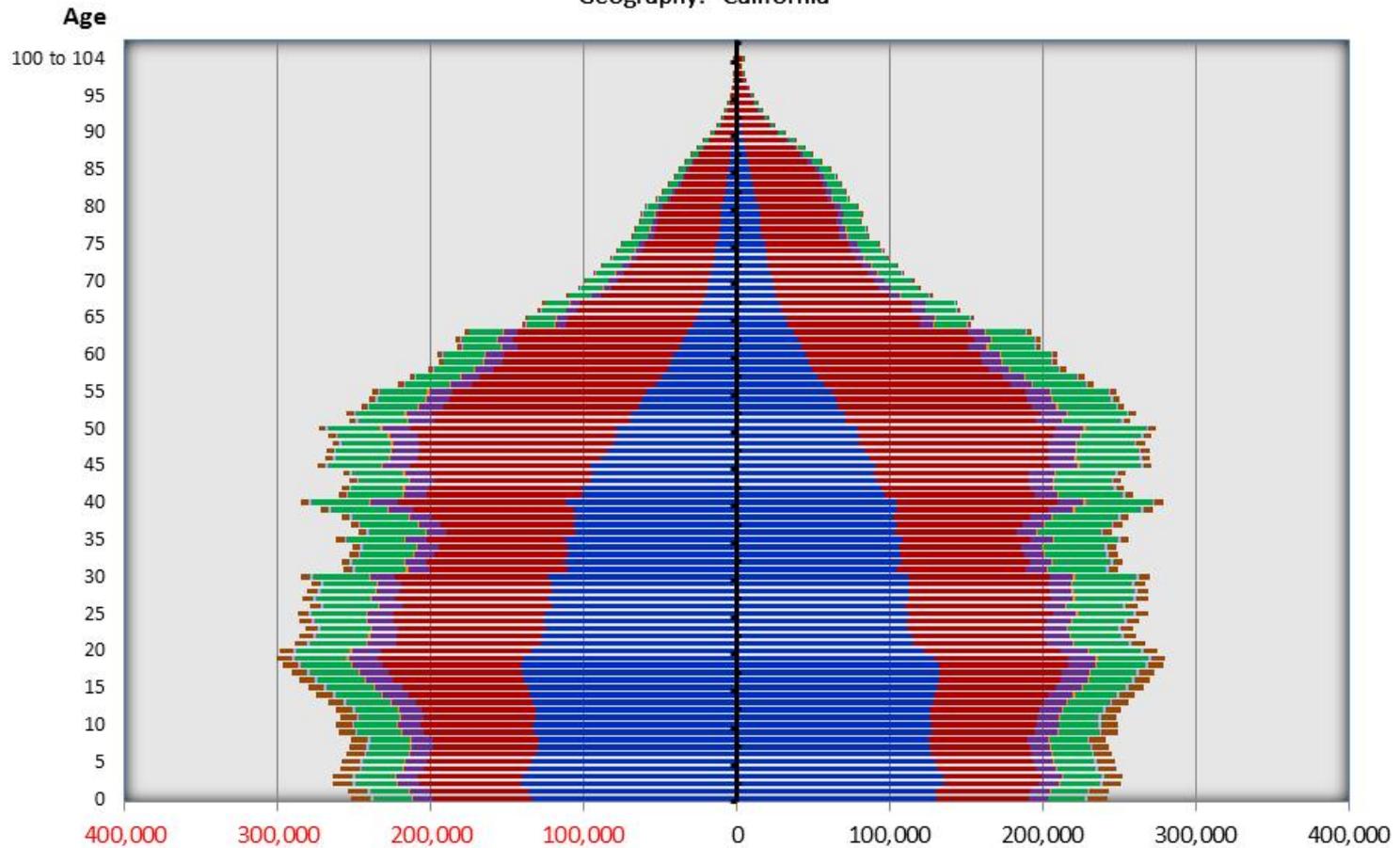
California Births



2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: California



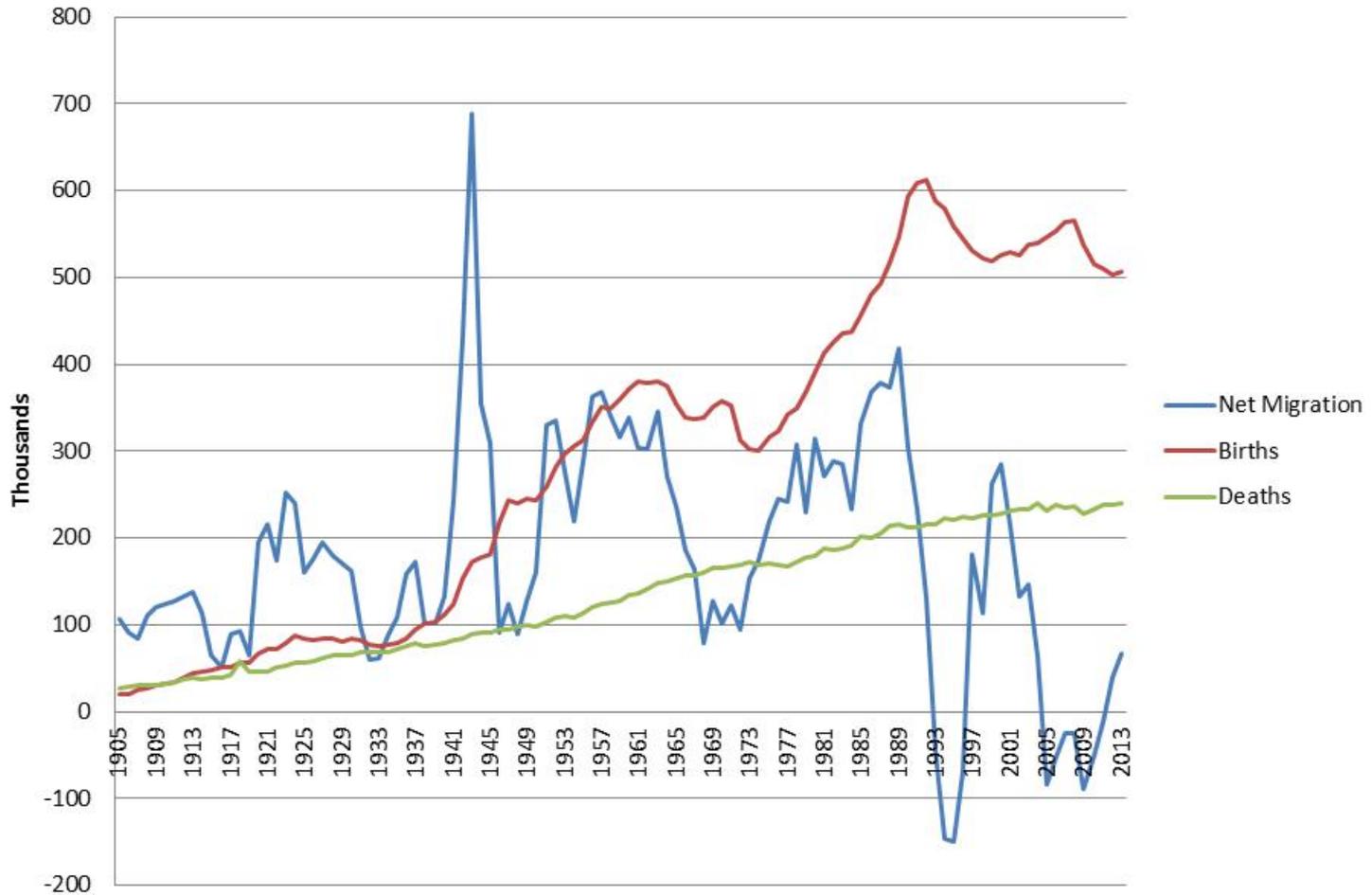
Male

Population

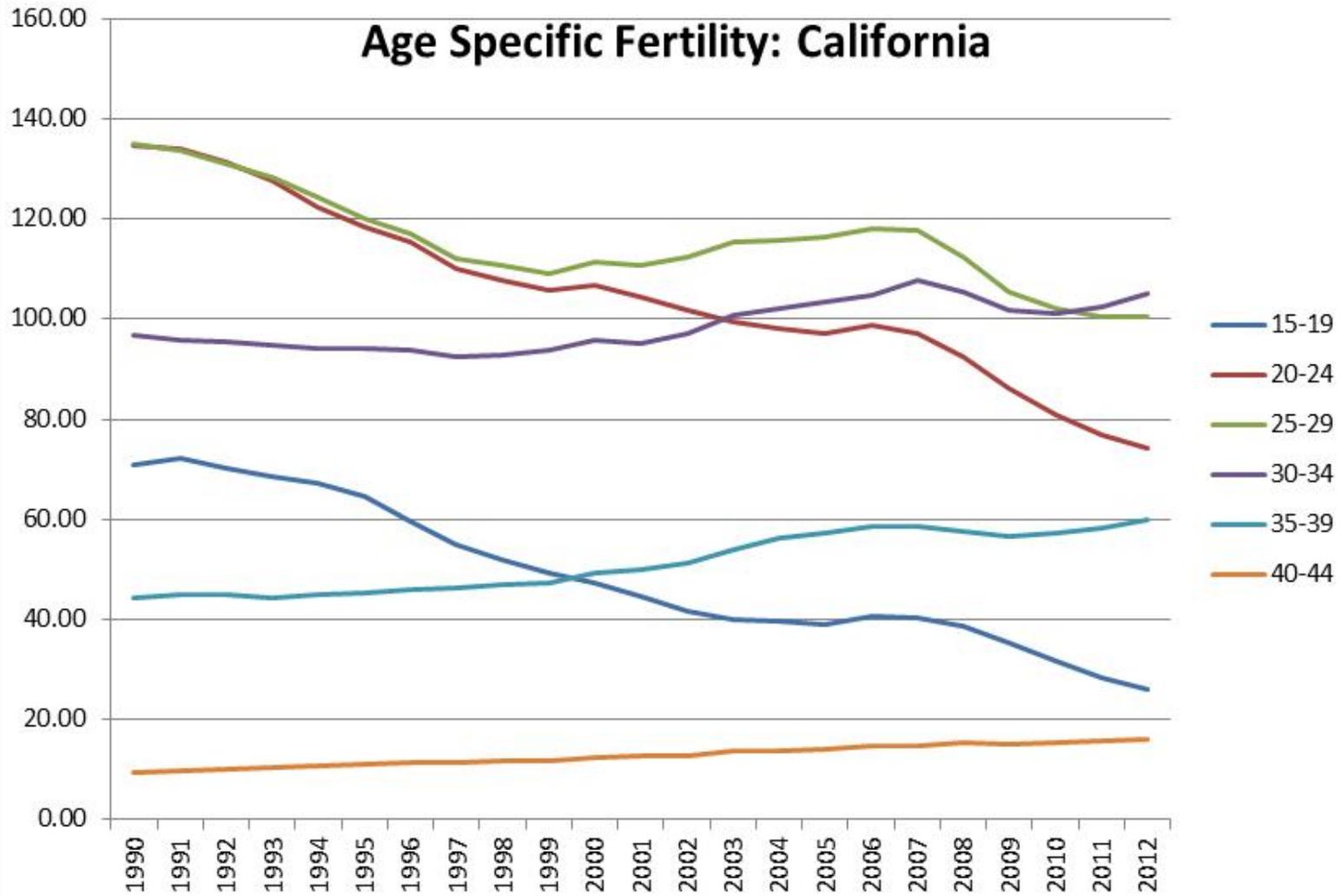
Female

- Hispanic
- White
- Black
- American Indian and Alaska Native
- Asian
- Native Hawaiian/Pacific Islander
- Some Other Race
- White
- Black
- American Indian and Alaska Native
- Asian
- Native Hawaiian/Pacific Islander
- Some Other Race
- Two or More Races

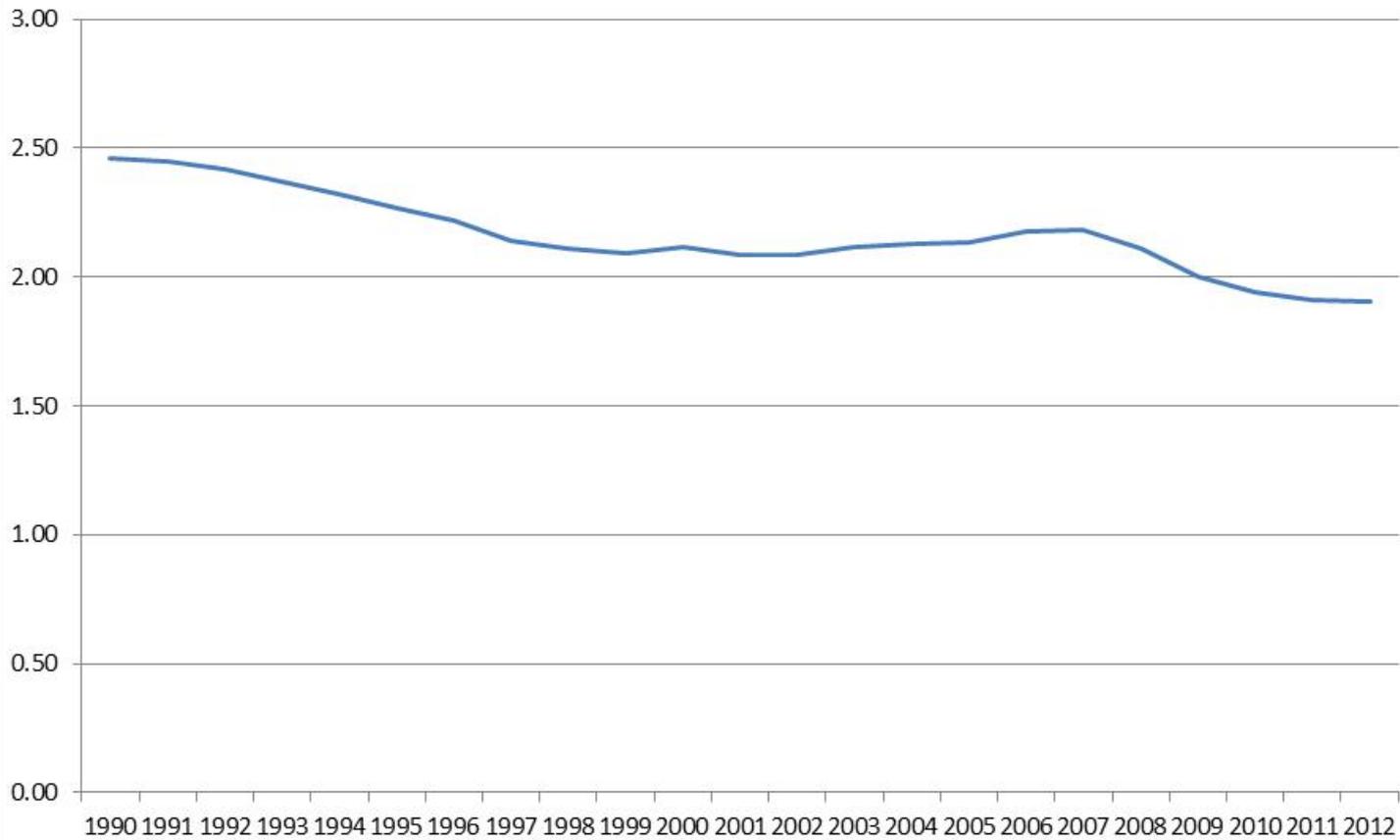
Components of CA Population Change



Age Specific Fertility: California



Total Fertility Rate

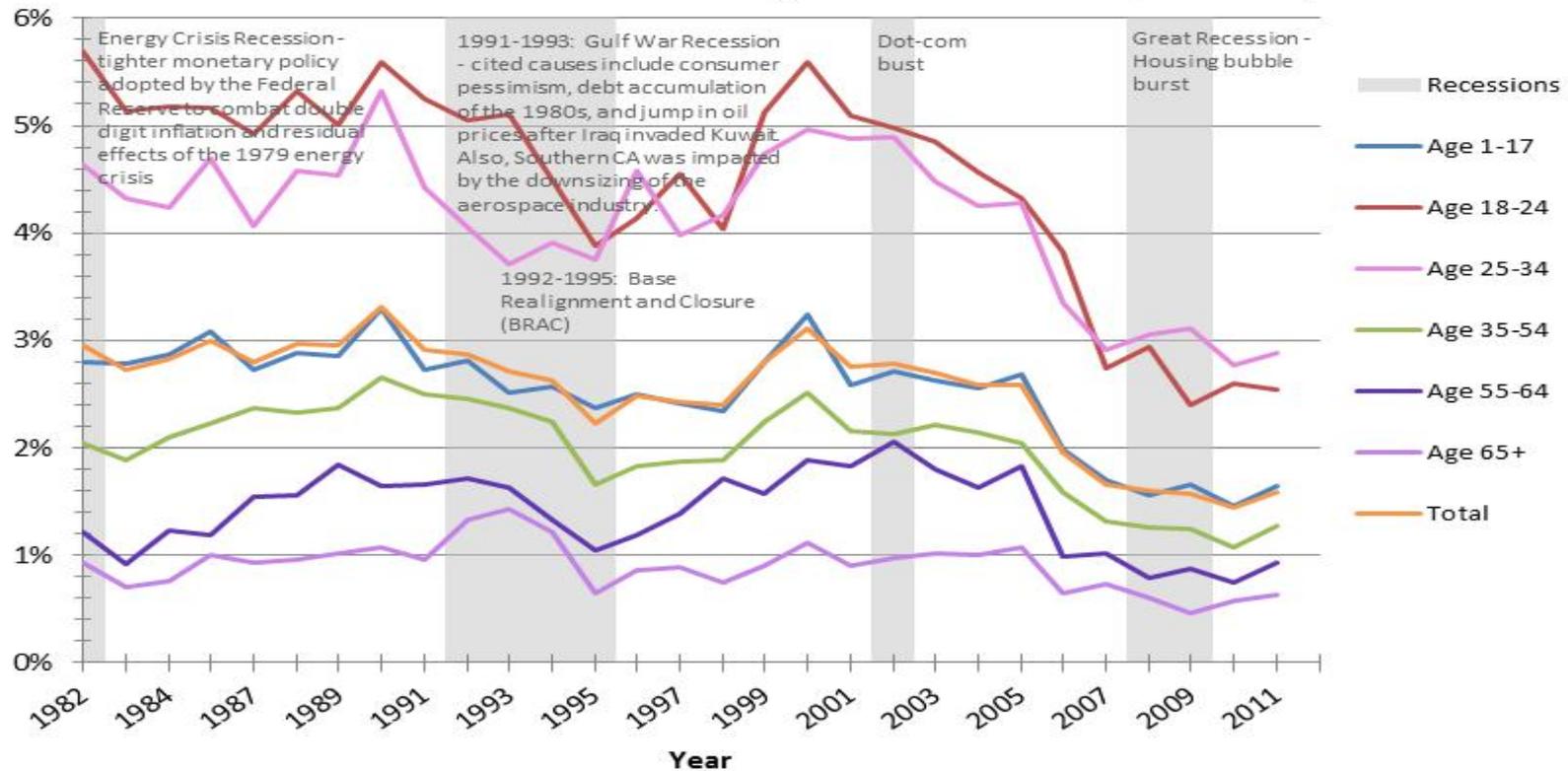


Migration

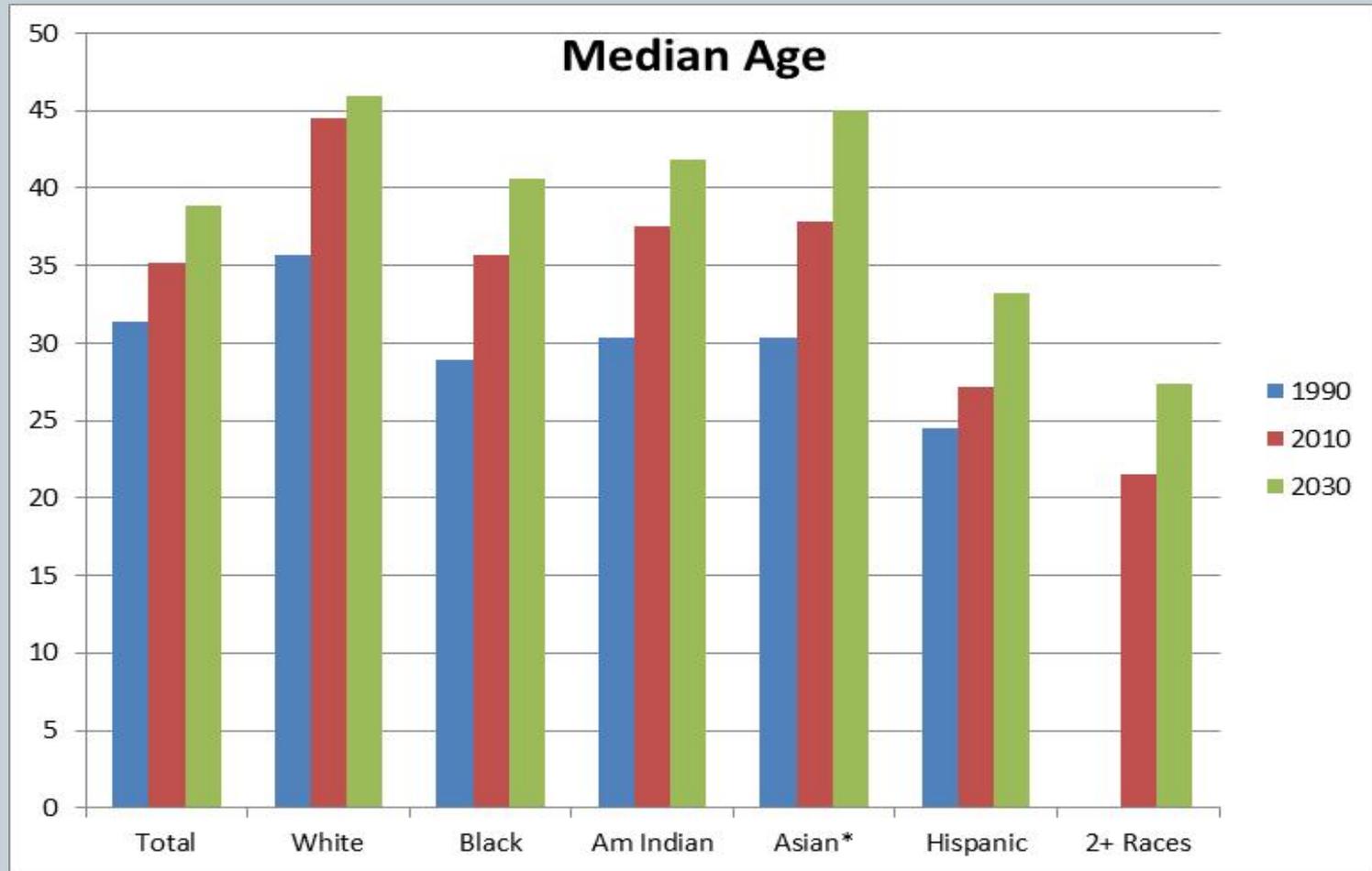


Interstate Movers by Age Group as a Percent of Cohort in US

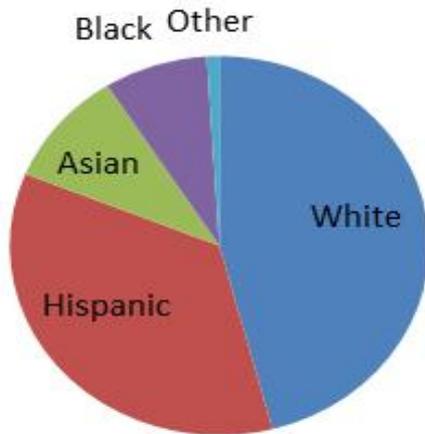
Source: 1982 - 2011 Annual Social and Economic Supplement to the Current Population Survey



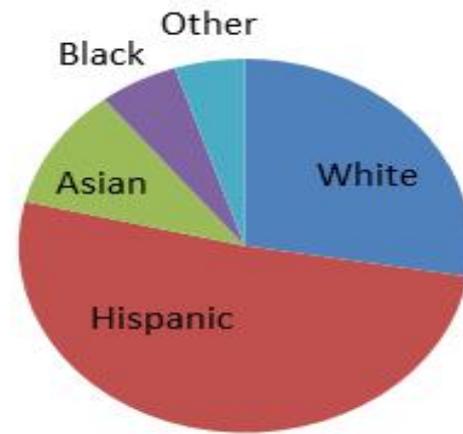
Age by Race & Ethnicity



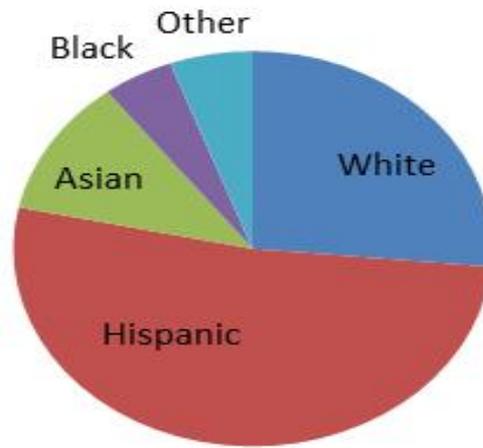
Under 18: 1990



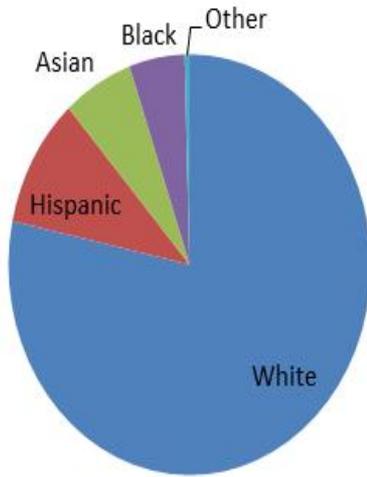
2010



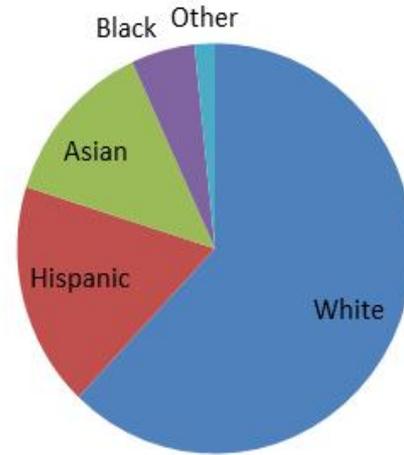
2030



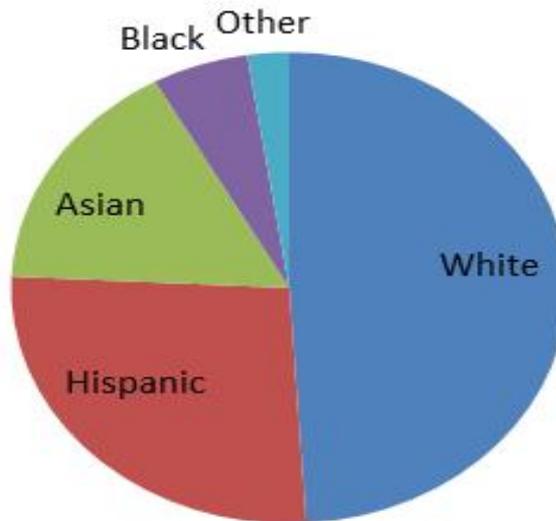
65+: 1990



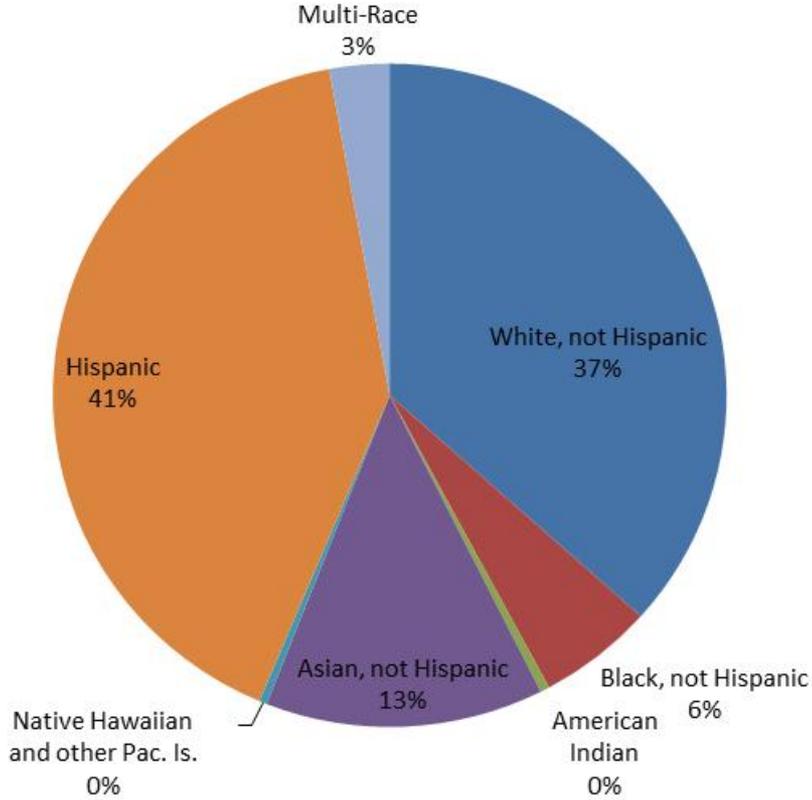
2010



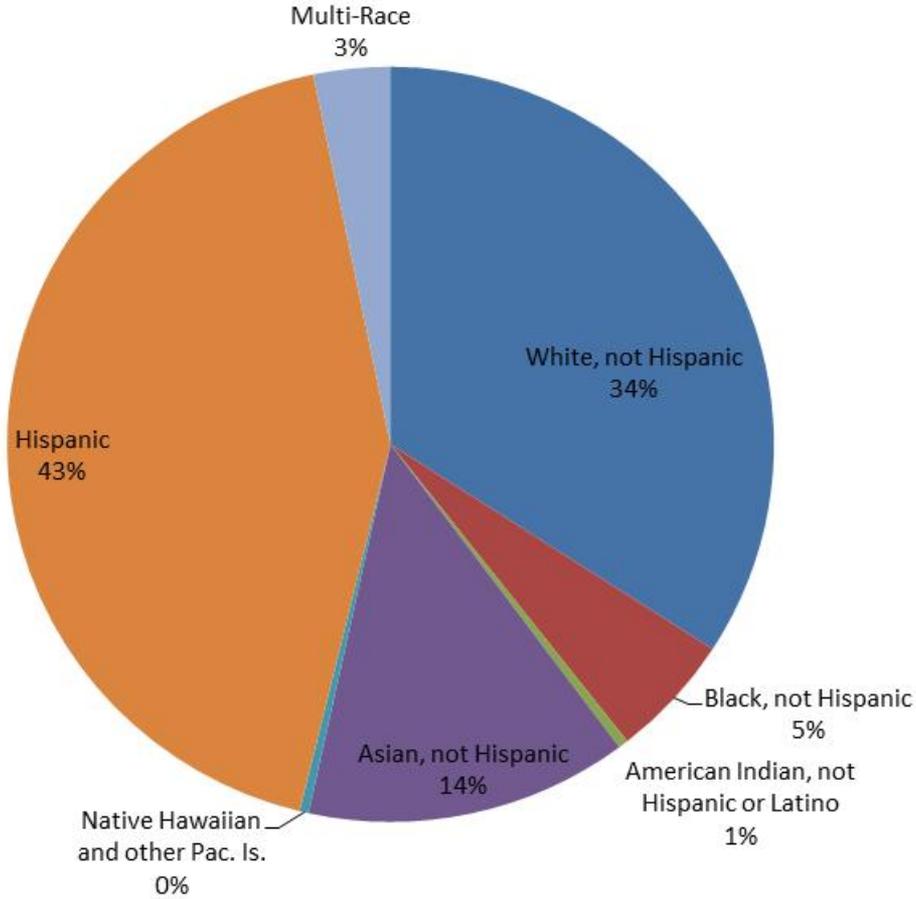
2030



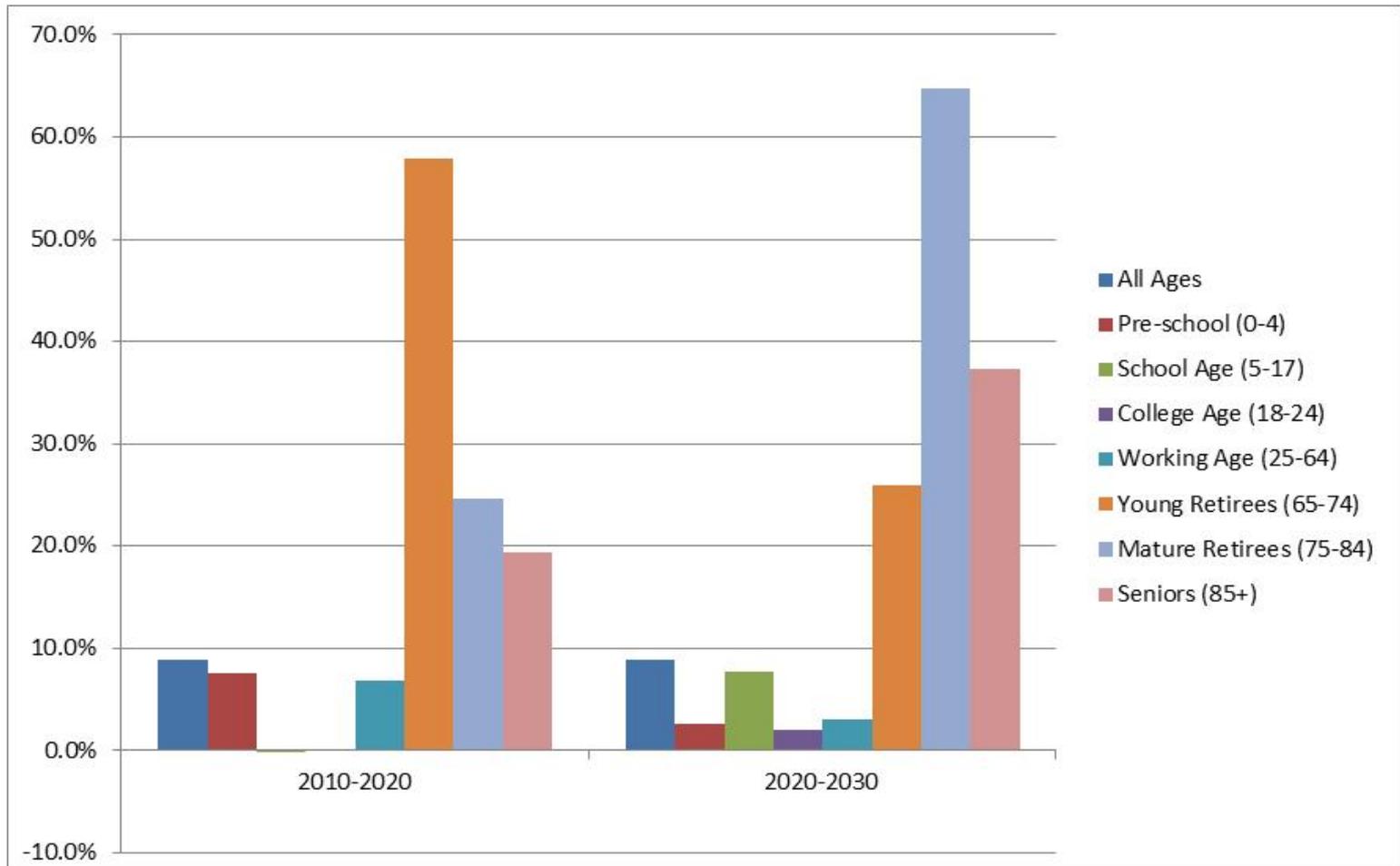
California: 2020 by Race/Ethnicity

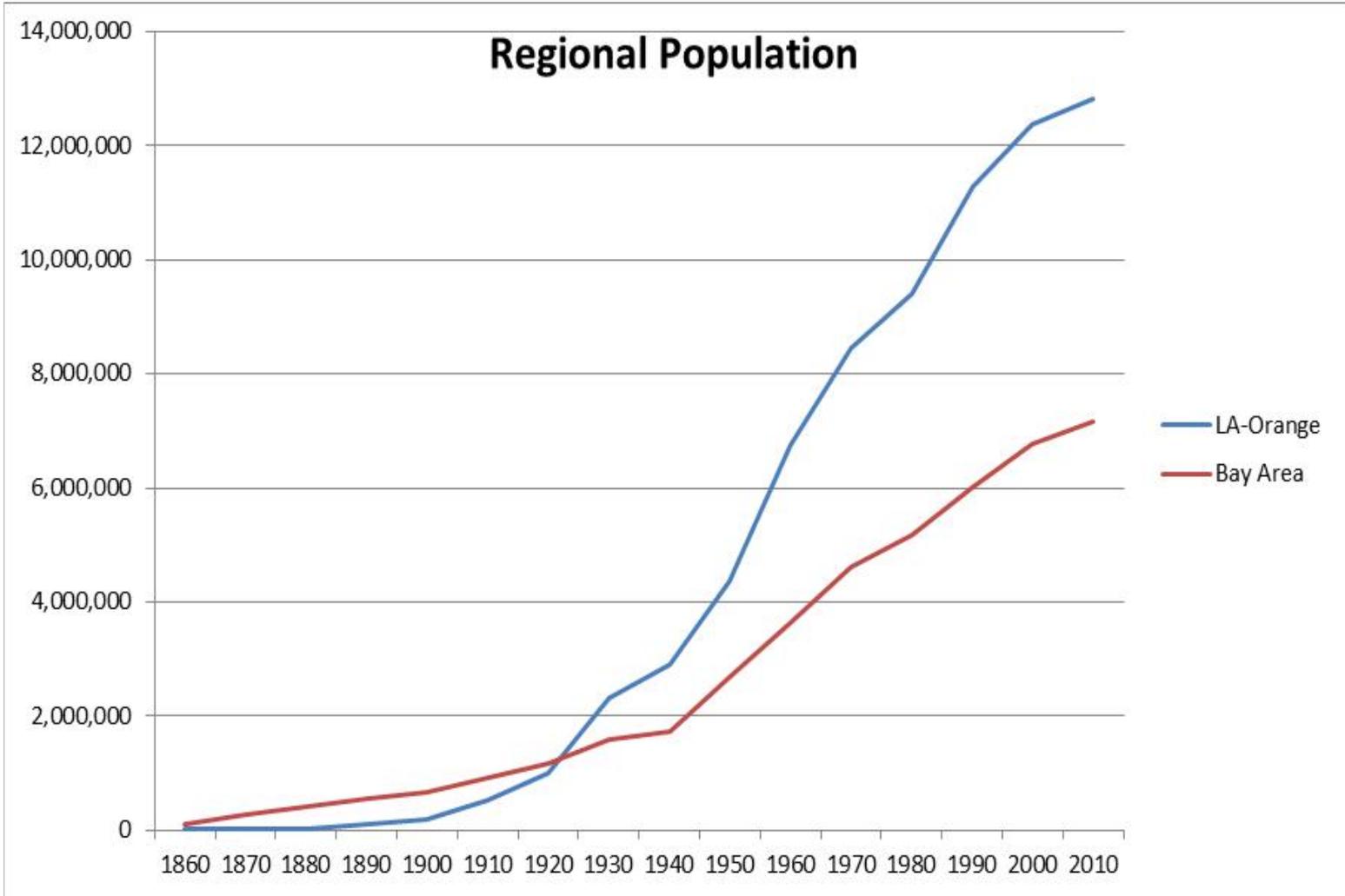


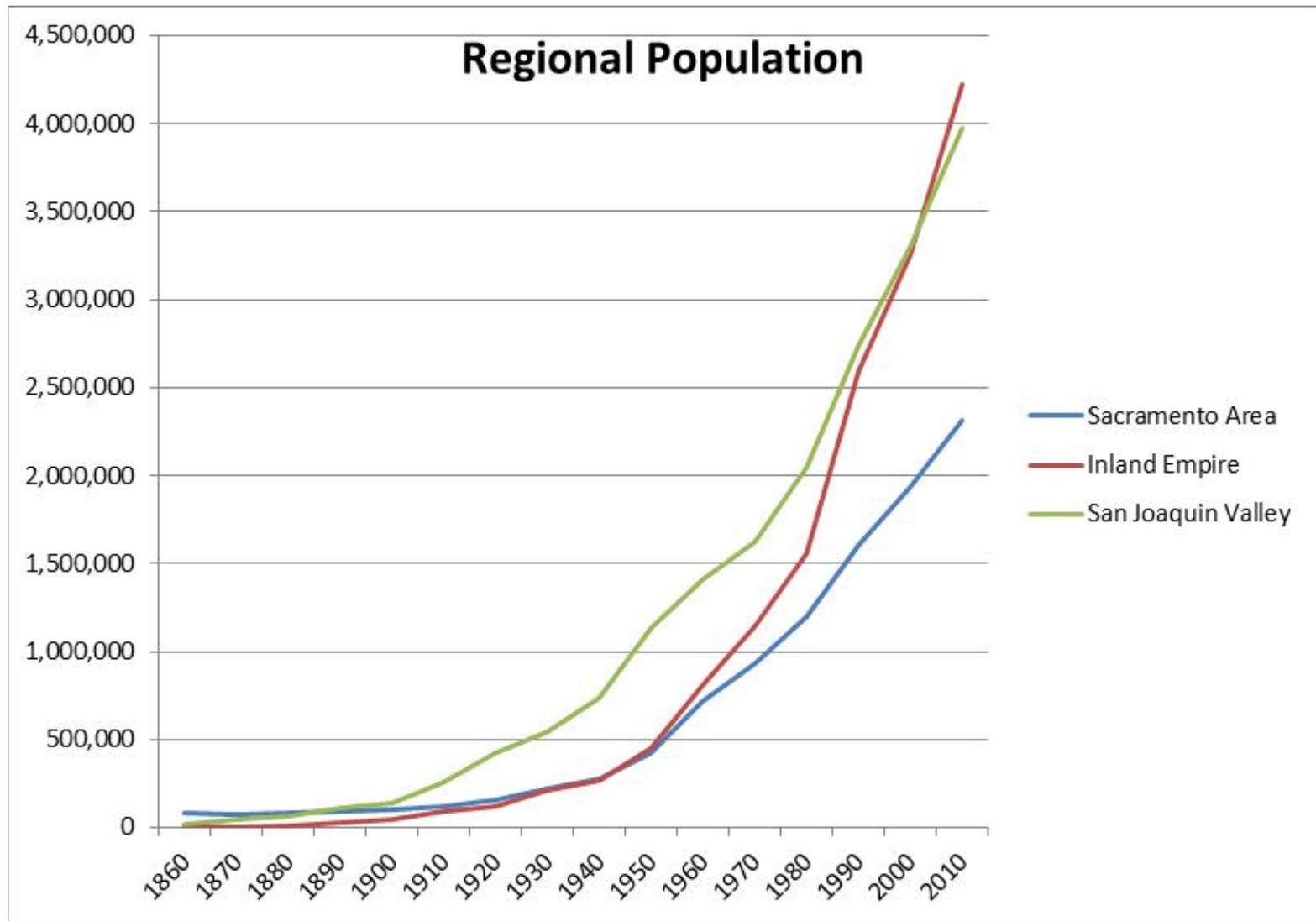
California: 2030 by Race/Ethnicity



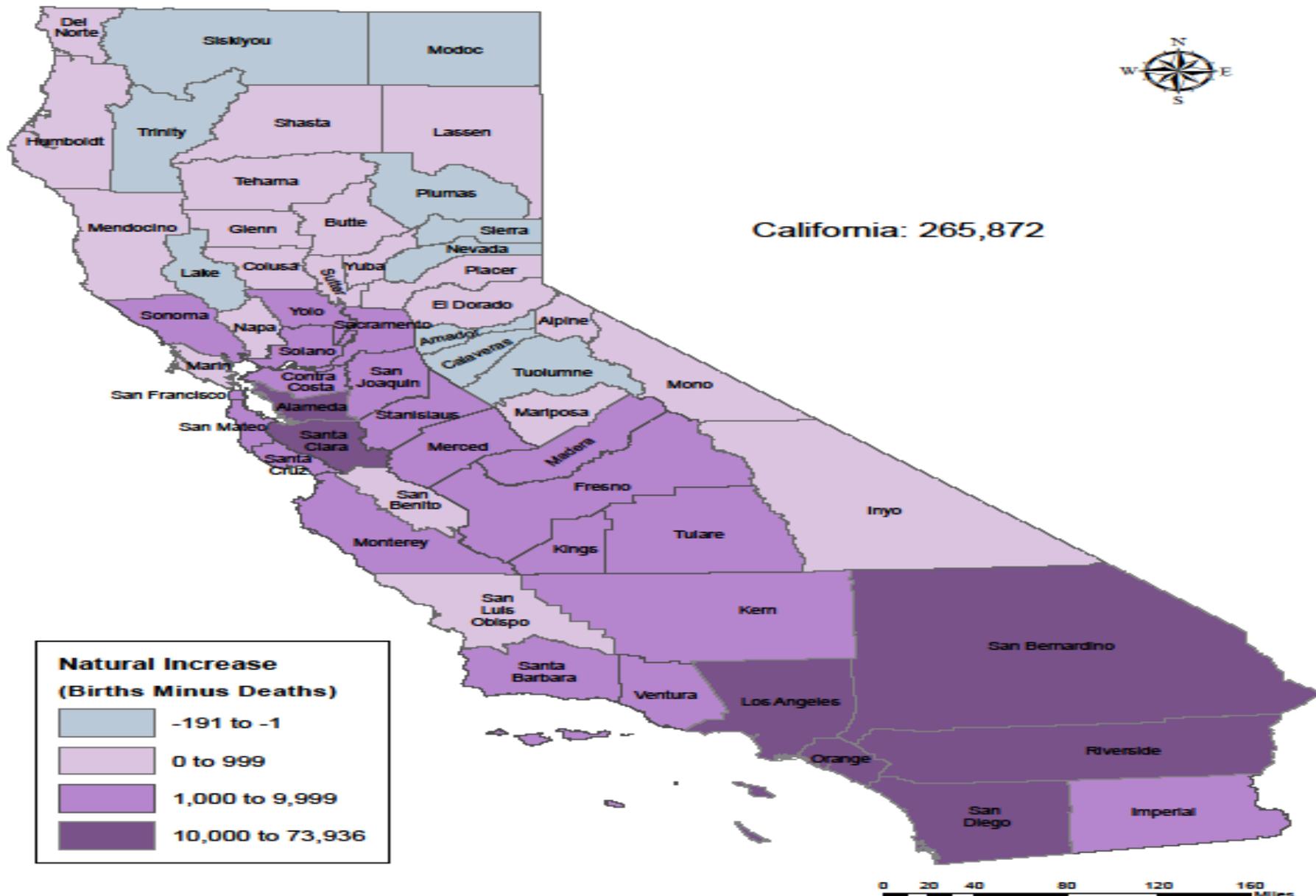
Expected California Growth by Age







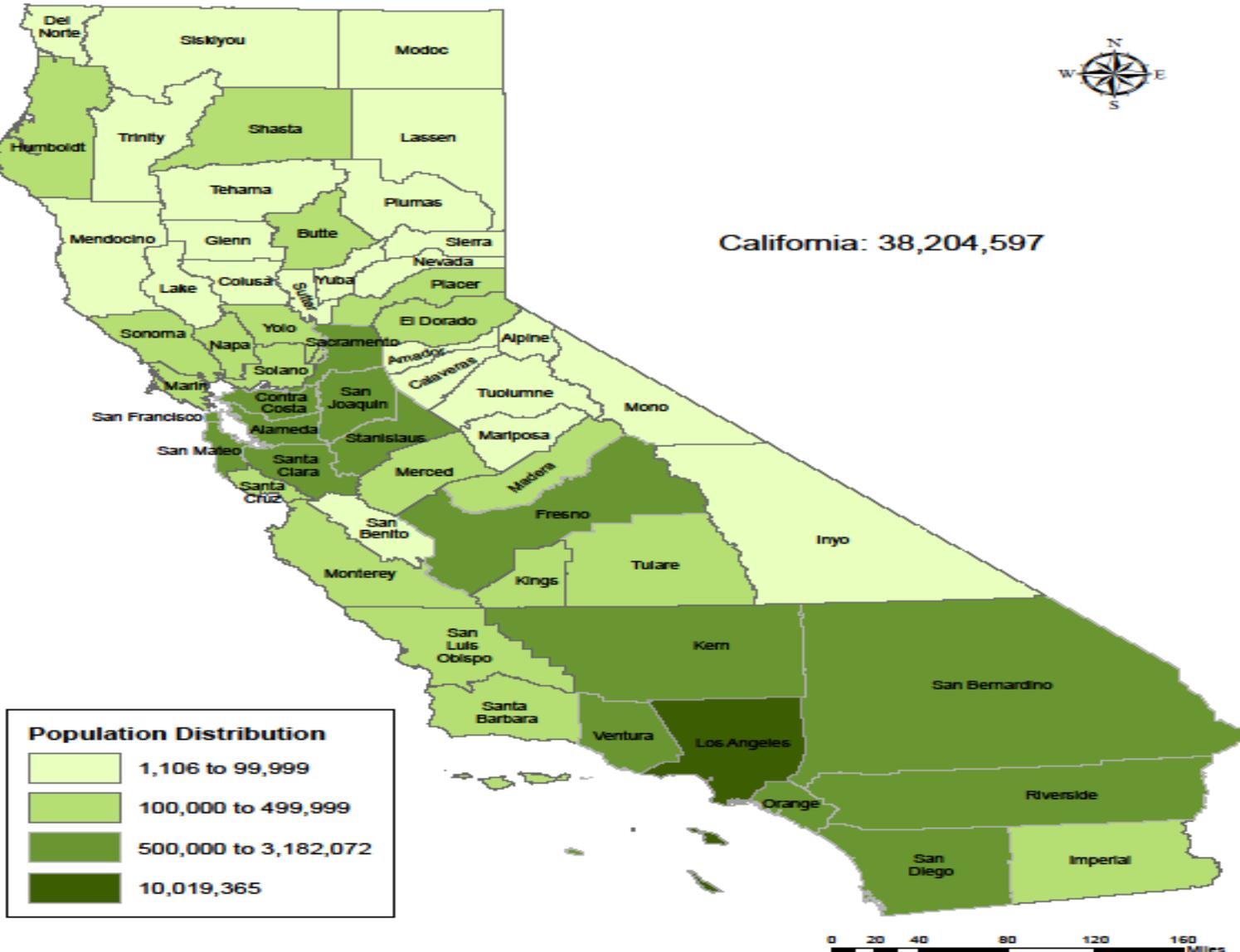
July 1, 2012 to July 1, 2013 Population Estimates Natural Increase



July 1, 2013 Population Estimates Population Distribution by County



California: 38,204,597



Population Distribution

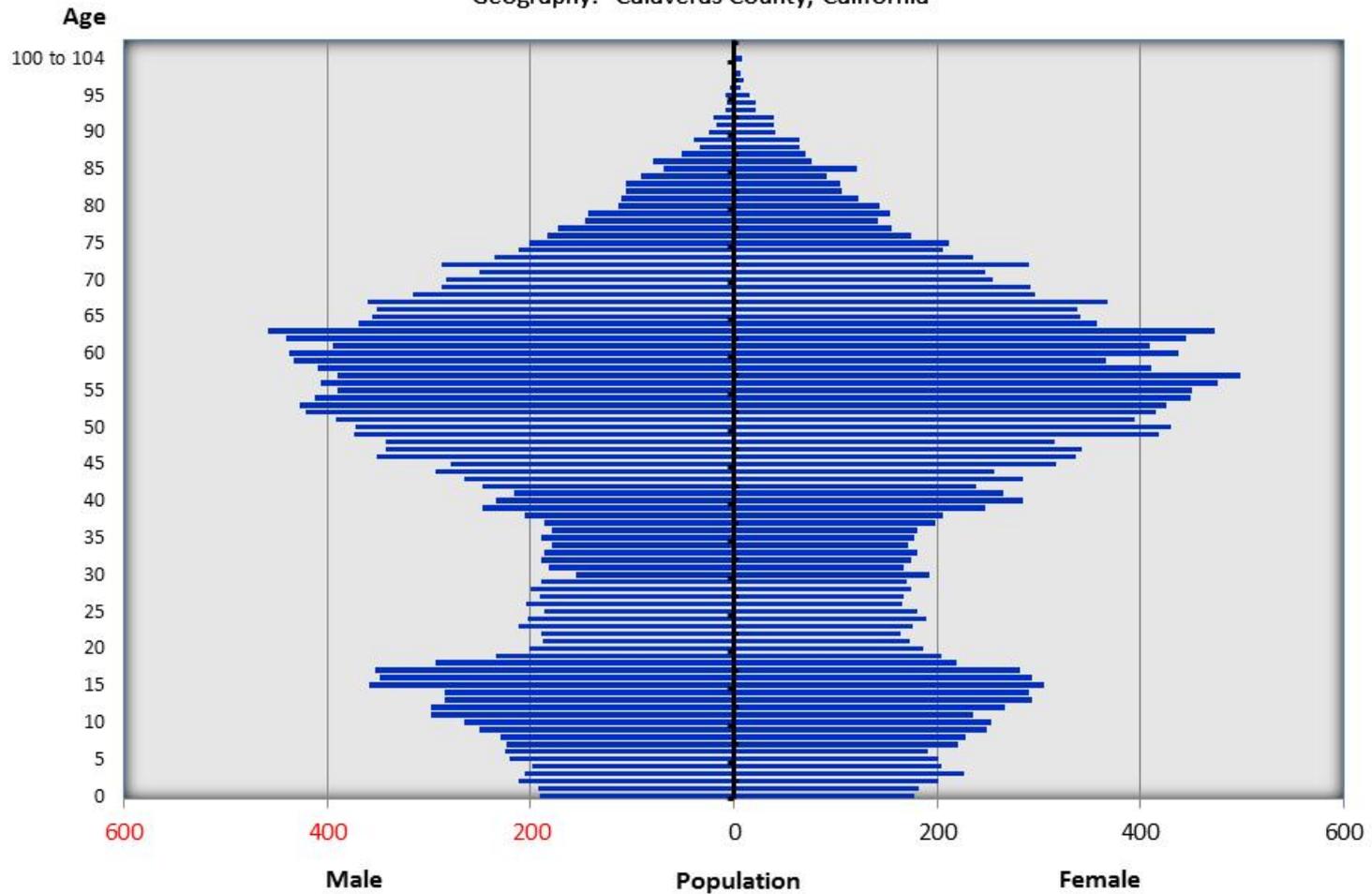
- 1,106 to 99,999
- 100,000 to 499,999
- 500,000 to 3,182,072
- 10,019,365

0 20 40 80 120 160 Miles

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: Calaveras County, California

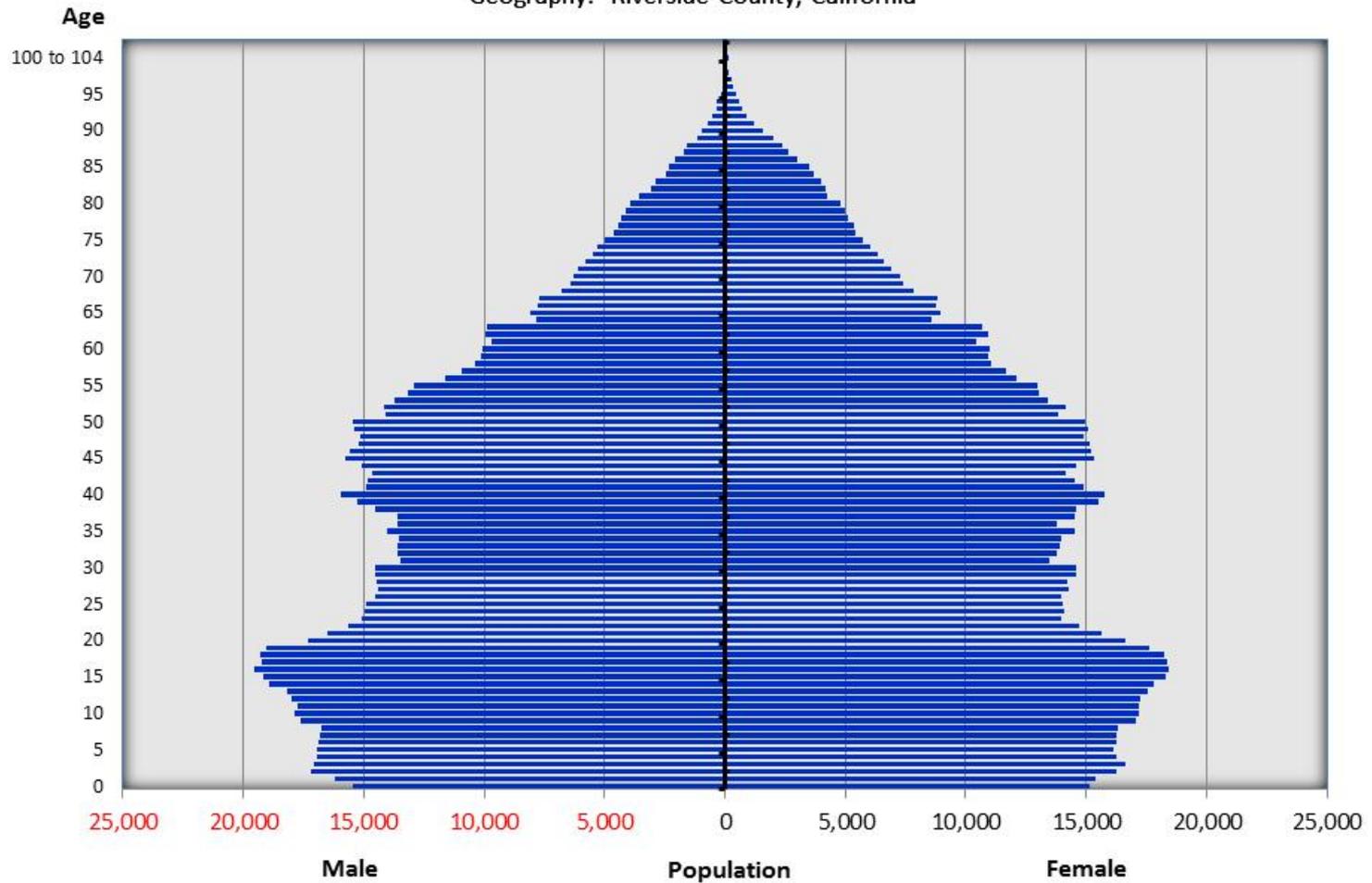


■ All

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: Riverside County, California

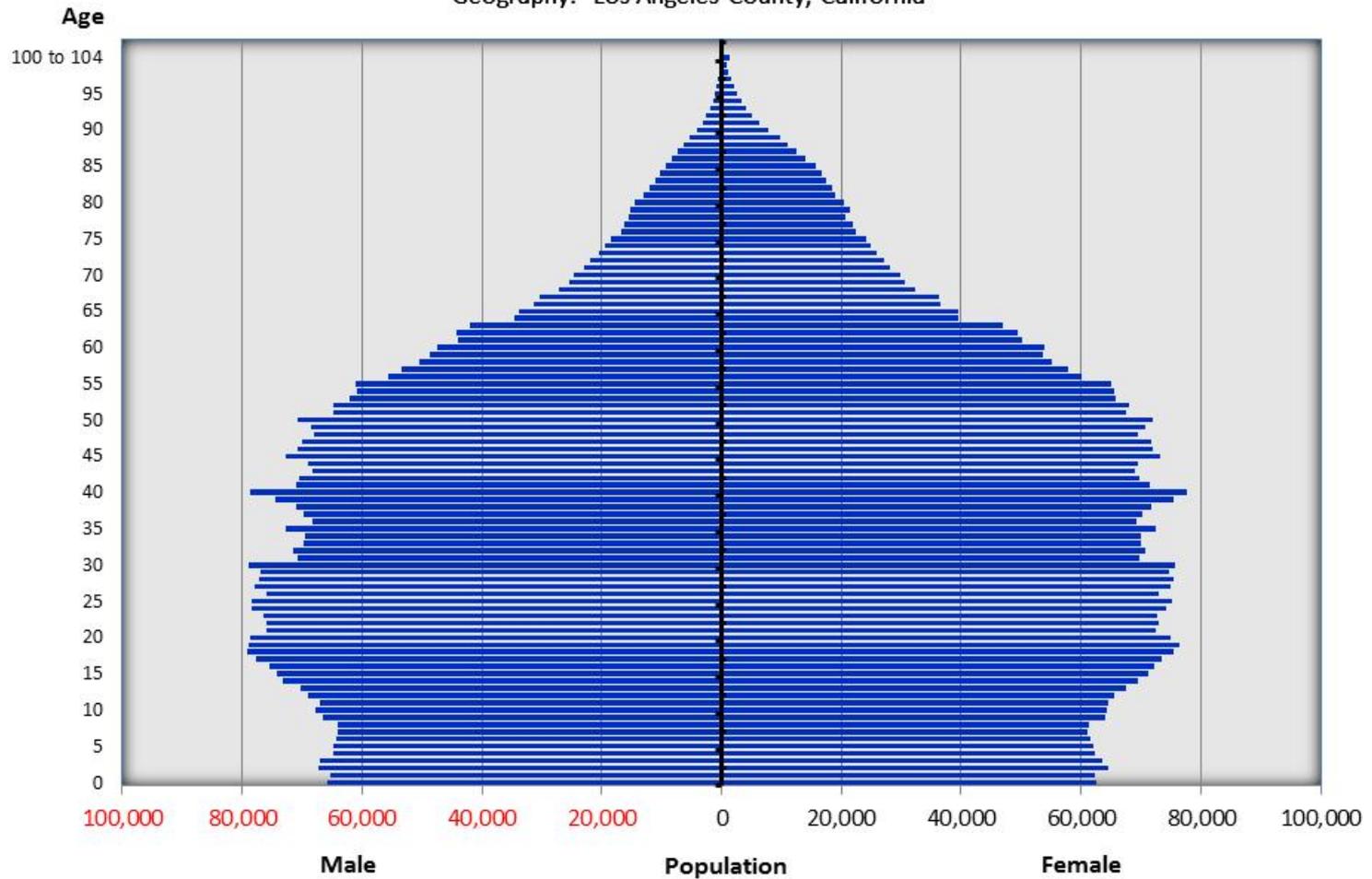


■ All

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: Los Angeles County, California

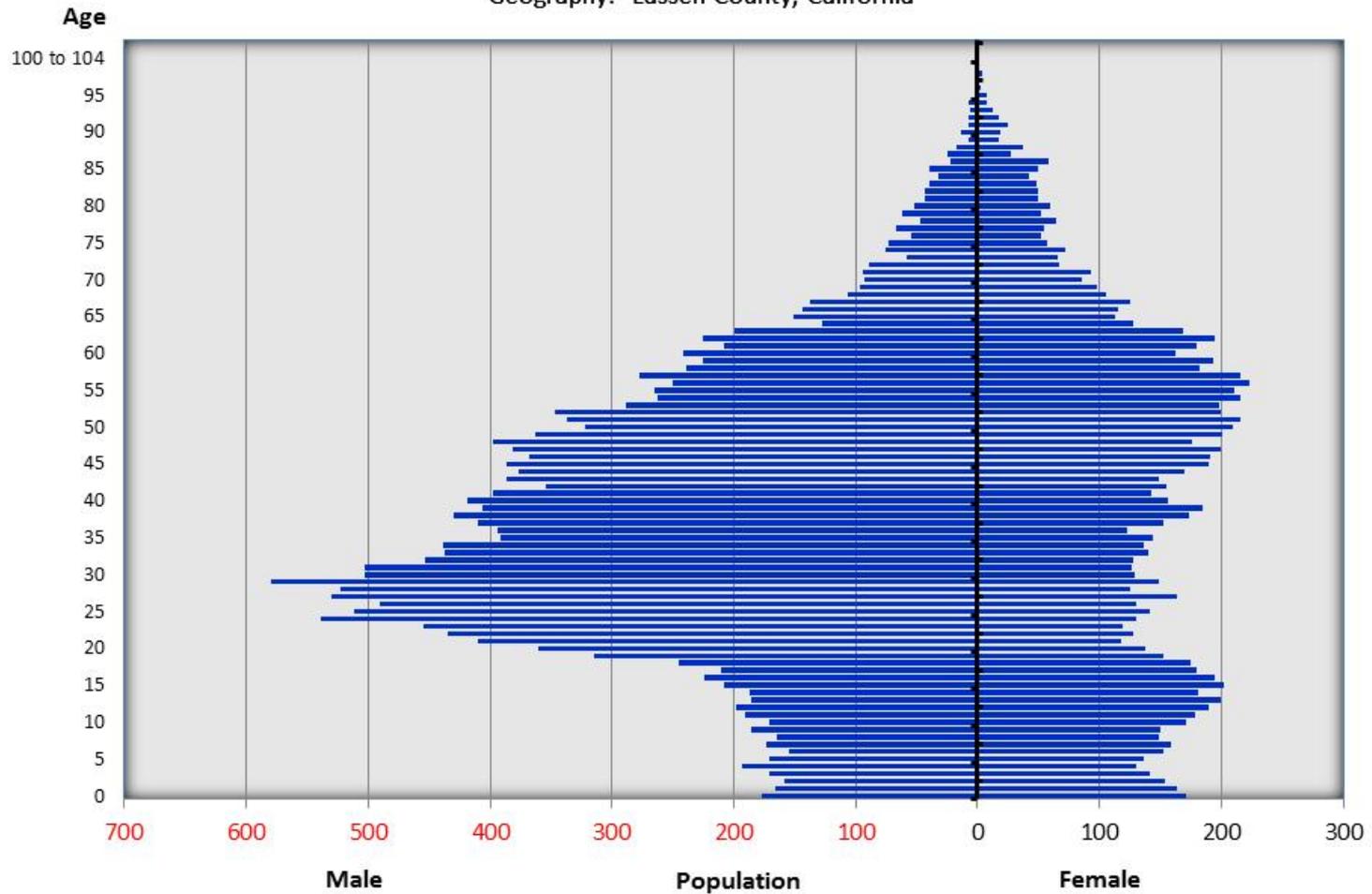


■ All

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: Lassen County, California

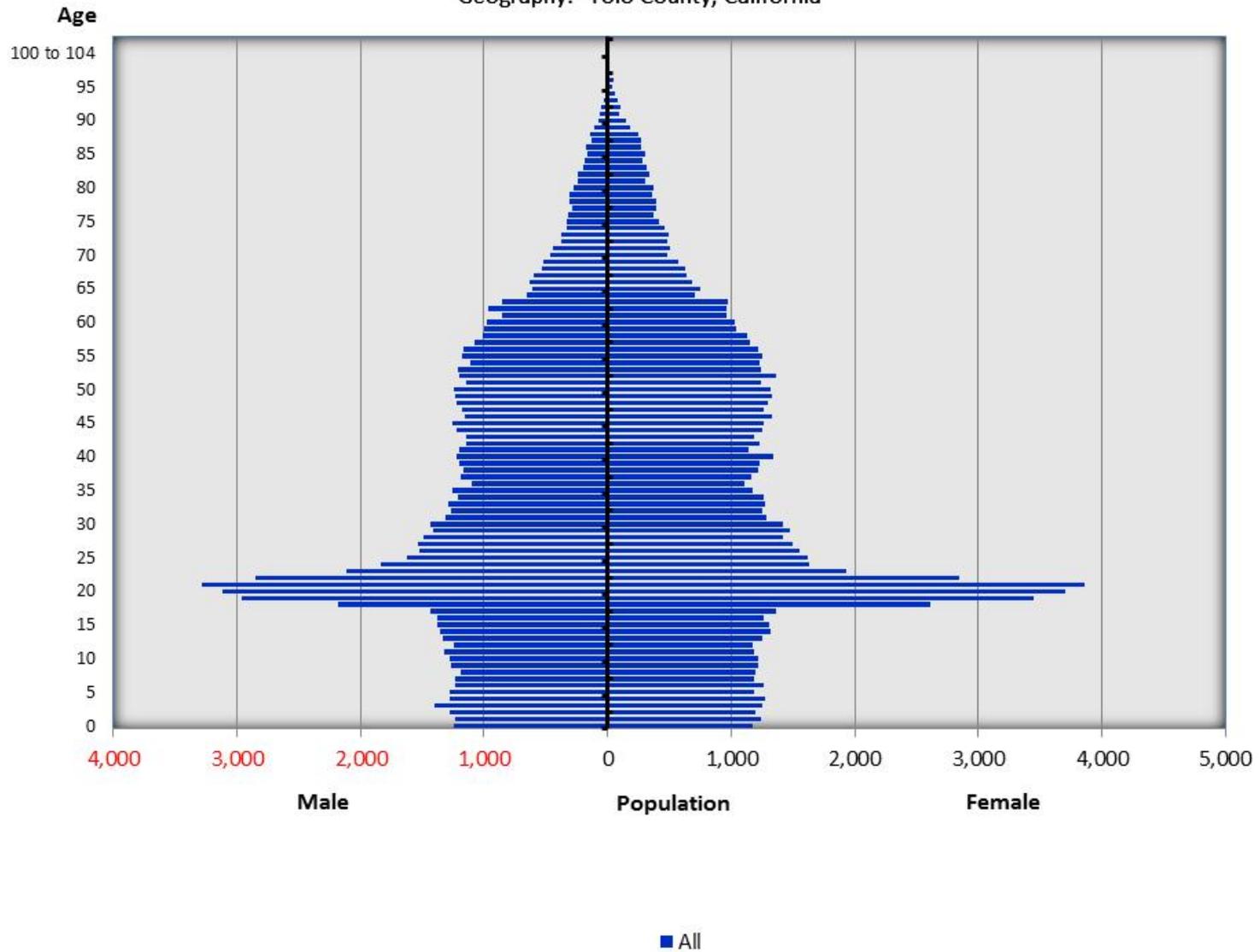


■ All

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: Yolo County, California



Baby Boomers (1946-1964)

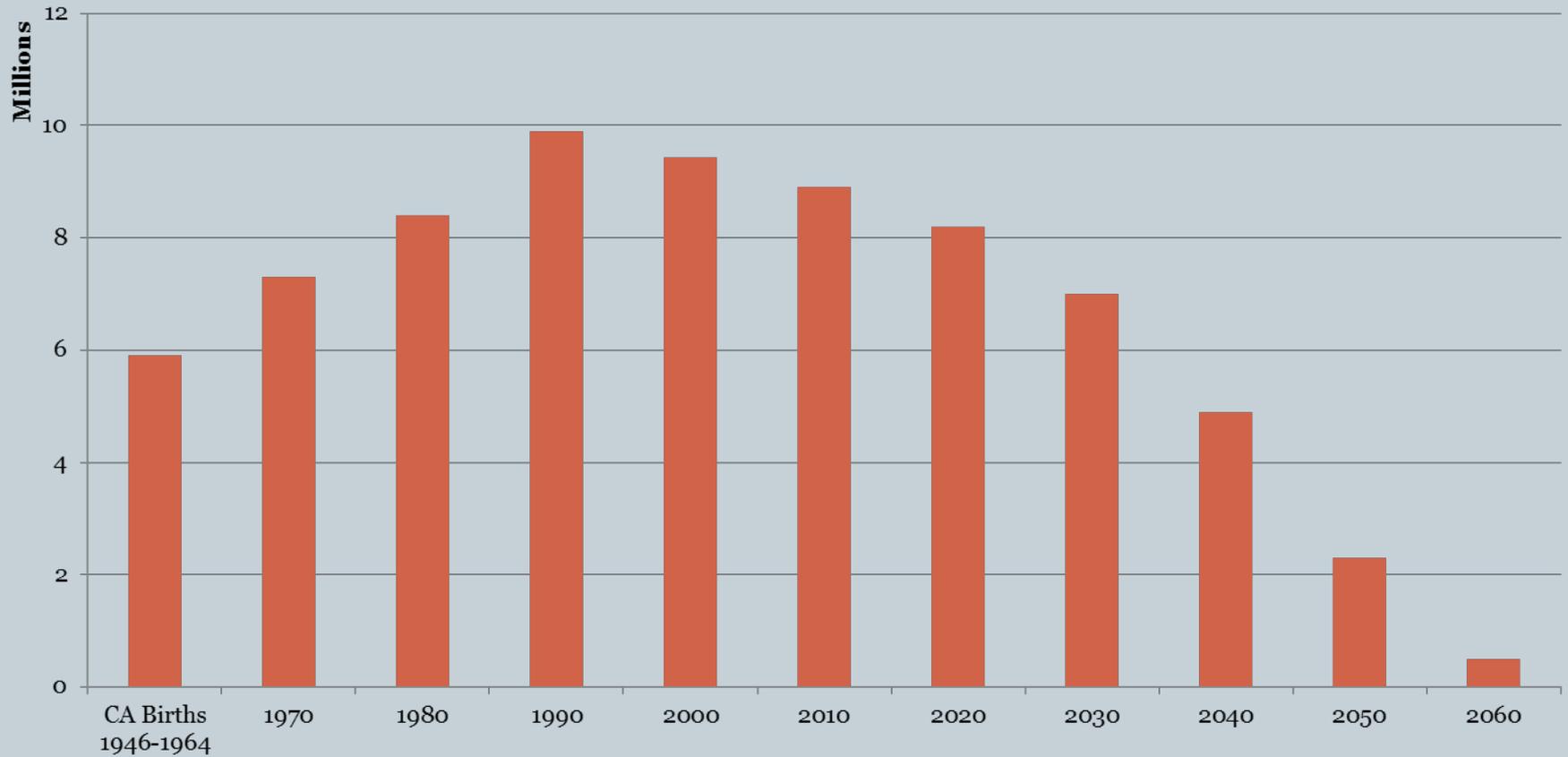


- Labor Force
- Social Security
- Medicare and other health services
- Housing needs
- Recreation
- Transportation
- And the list goes on, but not forever...

Boomers



California Baby-Boomers



California is bigger than?



If you said California has a
larger population than...

France (21st);

Germany (17th);

Canada (37th);

Australia (56th).

Geometric Growth



- California passes New York...
- The long drive to Blythe...
- How fast will California grow?
- When does population change stop?

Questions and Email

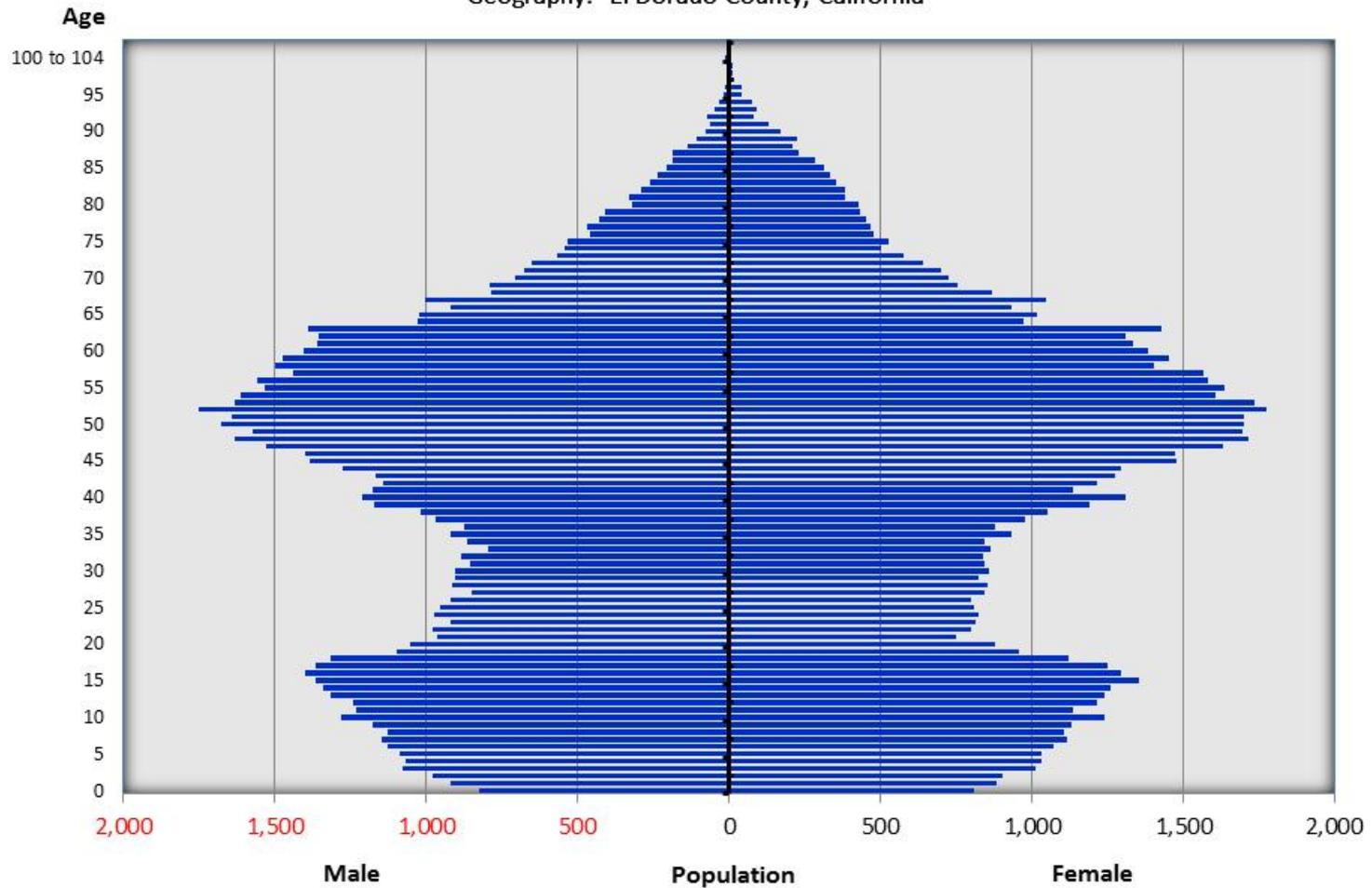


- Questions?
- Bill.Schooling@dof.ca.gov or 916-323-4086
- Bonus pyramids

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: El Dorado County, California

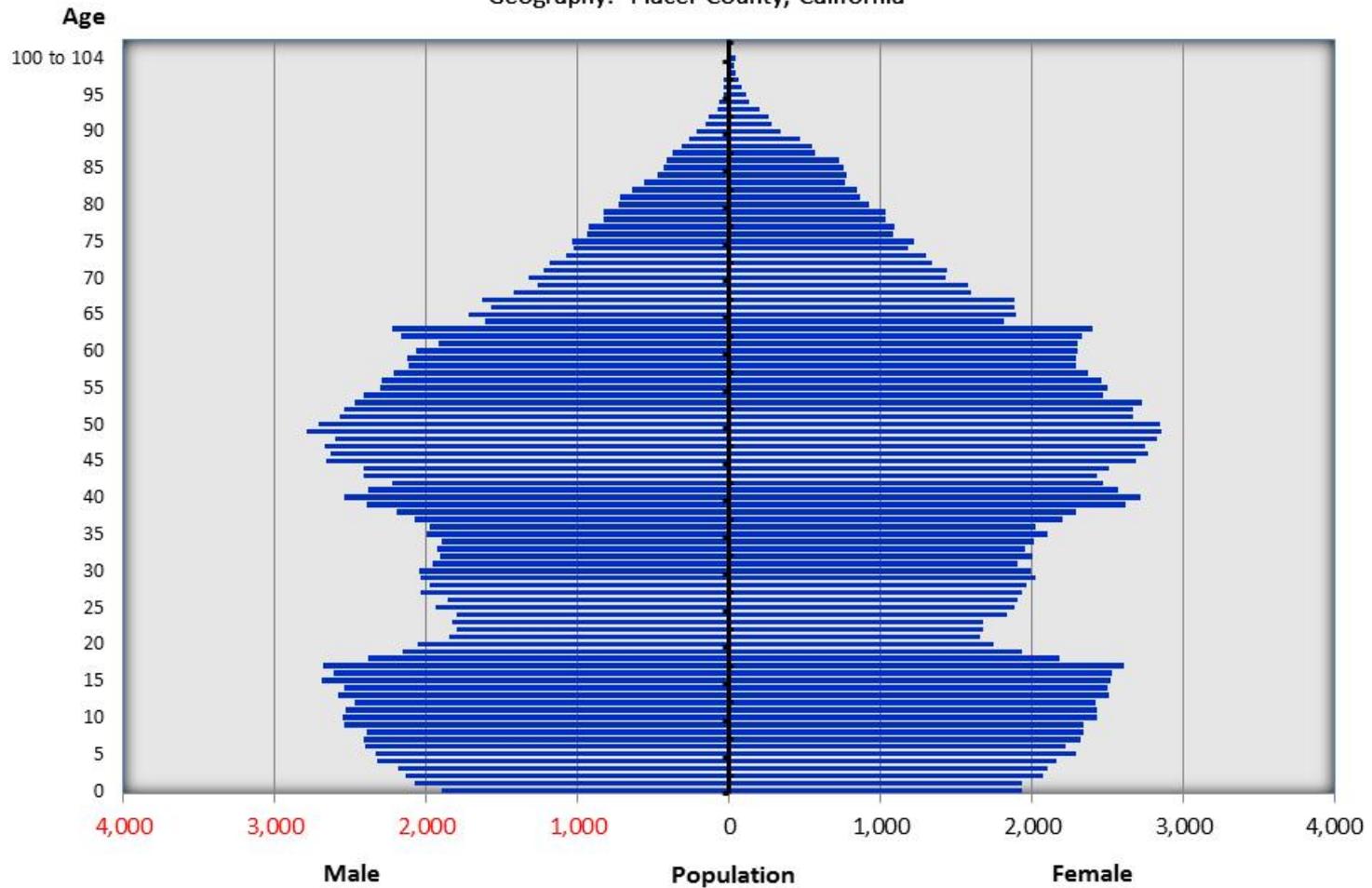


■ All

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: Placer County, California

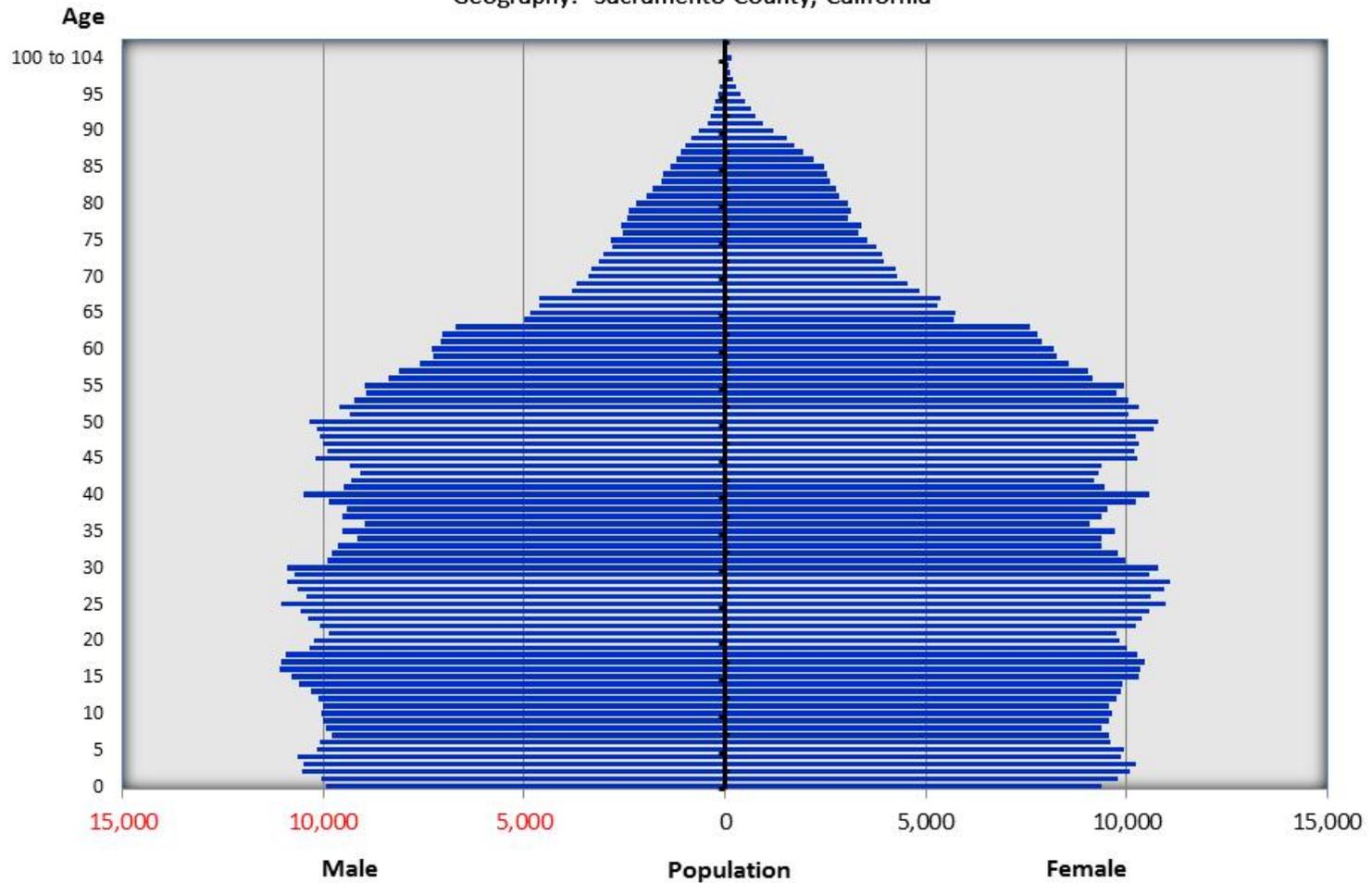


■ All

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: Sacramento County, California

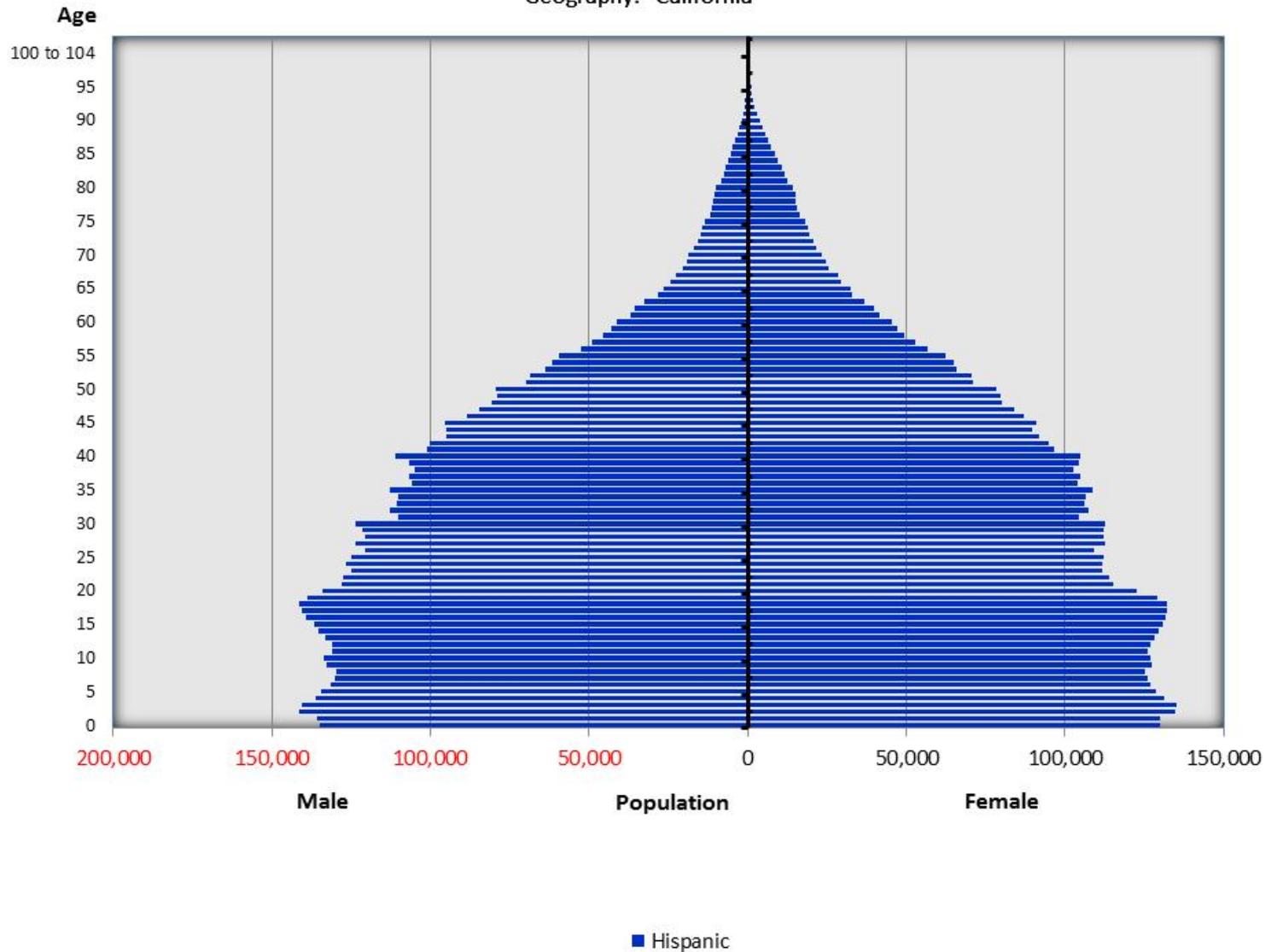


■ All

2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

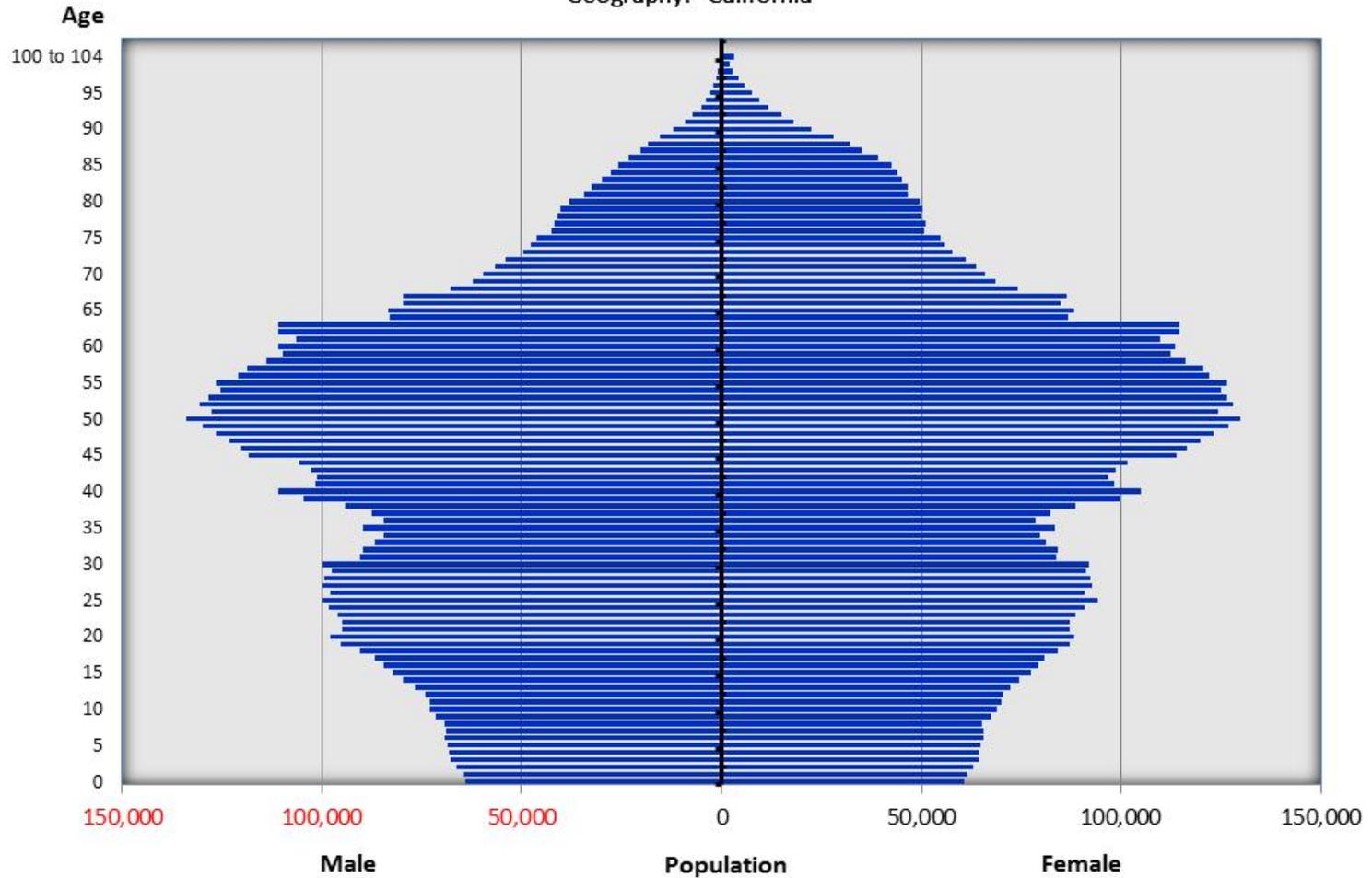
Geography: California



2010 Population, Age and Sex Characteristics by Race

Source: Census 2010 Summary File

Geography: California



■ White