

# Population change in the United States

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**[www.ernestoamaral.com](http://www.ernestoamaral.com)**



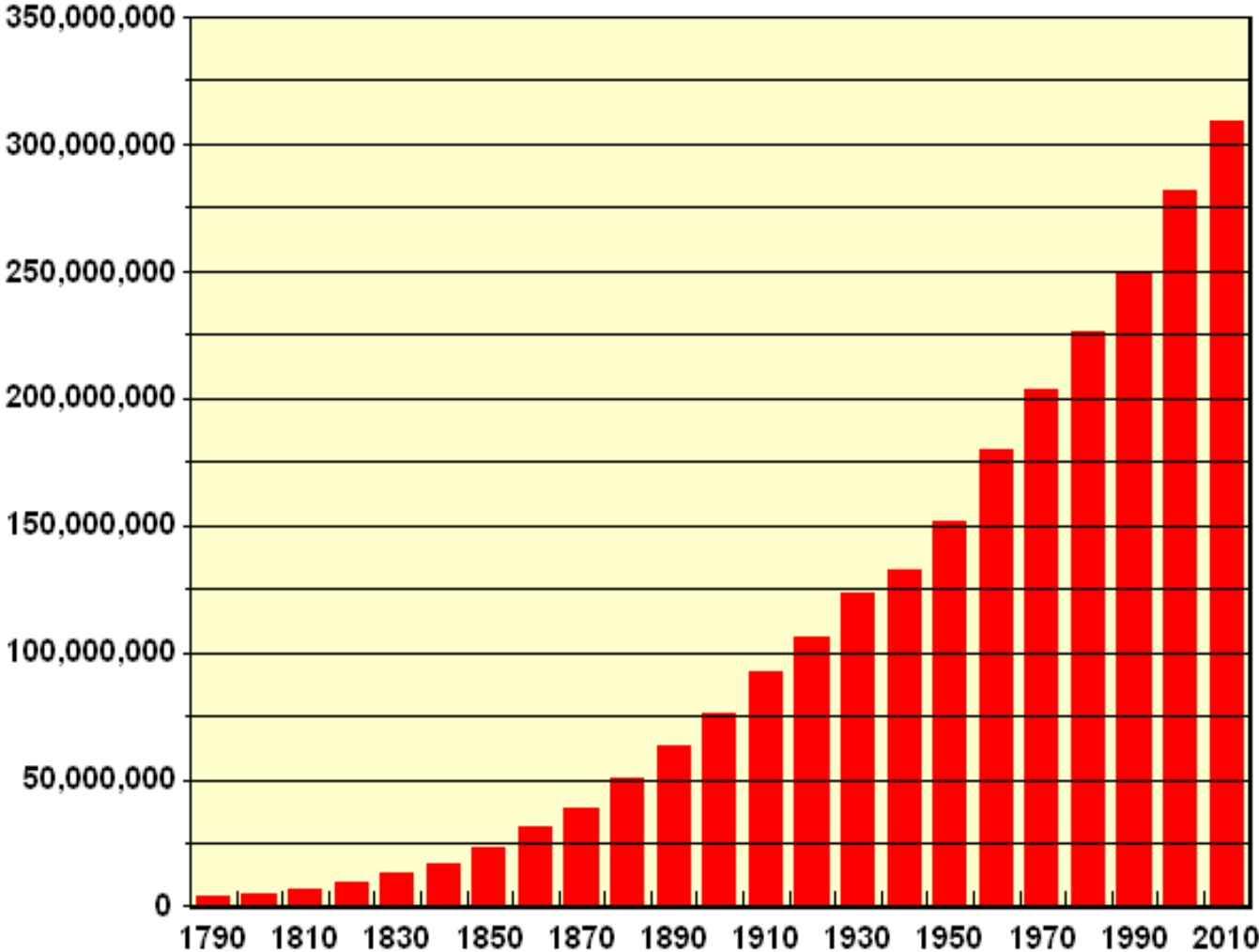
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# Outline

- Population change in the United States
- Major demographic topics in the United States
  1. Highest fertility rate among developed countries
  2. Majority-minority society around 2044
  3. Changes of origin of undocumented immigrants
  4. Increasing ages at first marriage
  5. Decreasing percentages of persons marrying
  6. Increasing levels of cohabitation
  7. Increasing percentages of births to unwed mothers



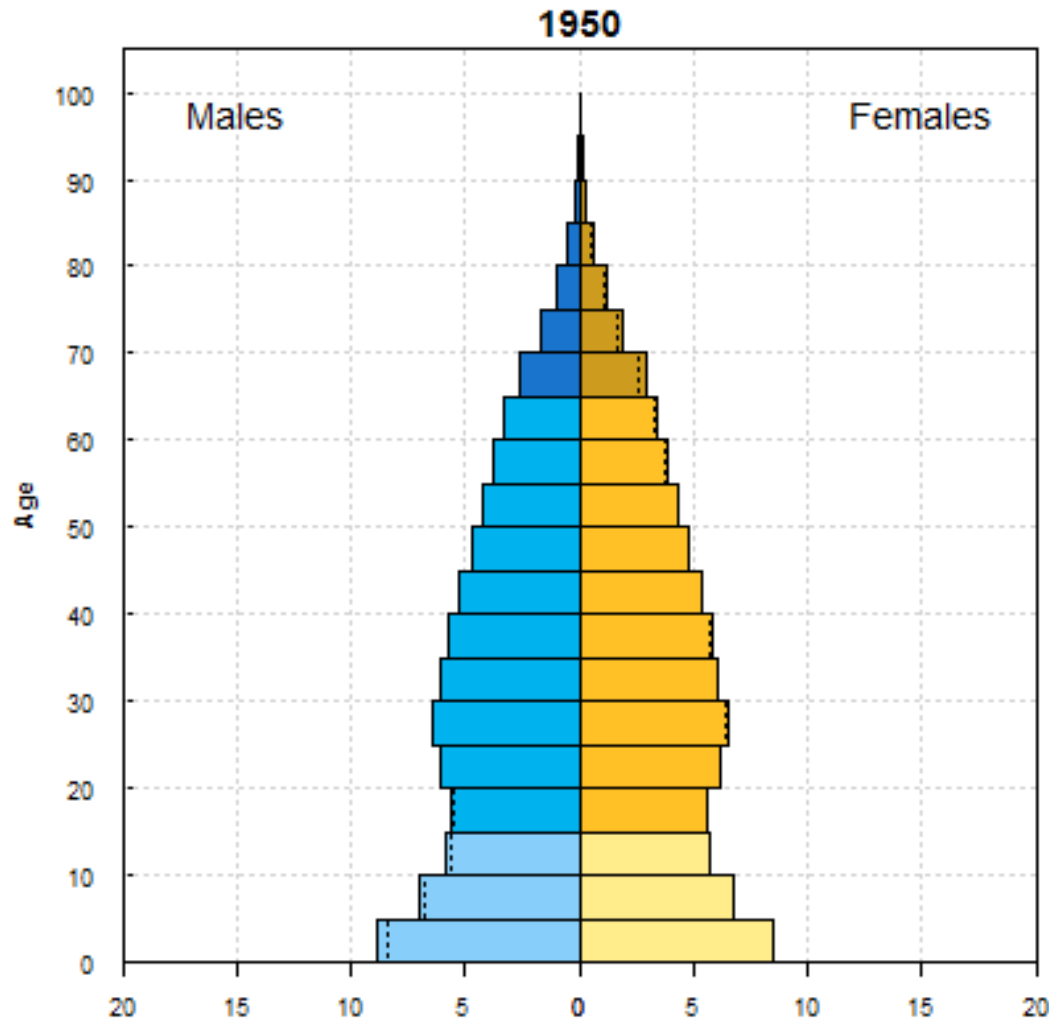
# Population change in the United States



Source: State of Wyoming Economic Analysis Division, 2015 (reprinted with permission of the State of Wyoming).



# Age-sex structure, United States



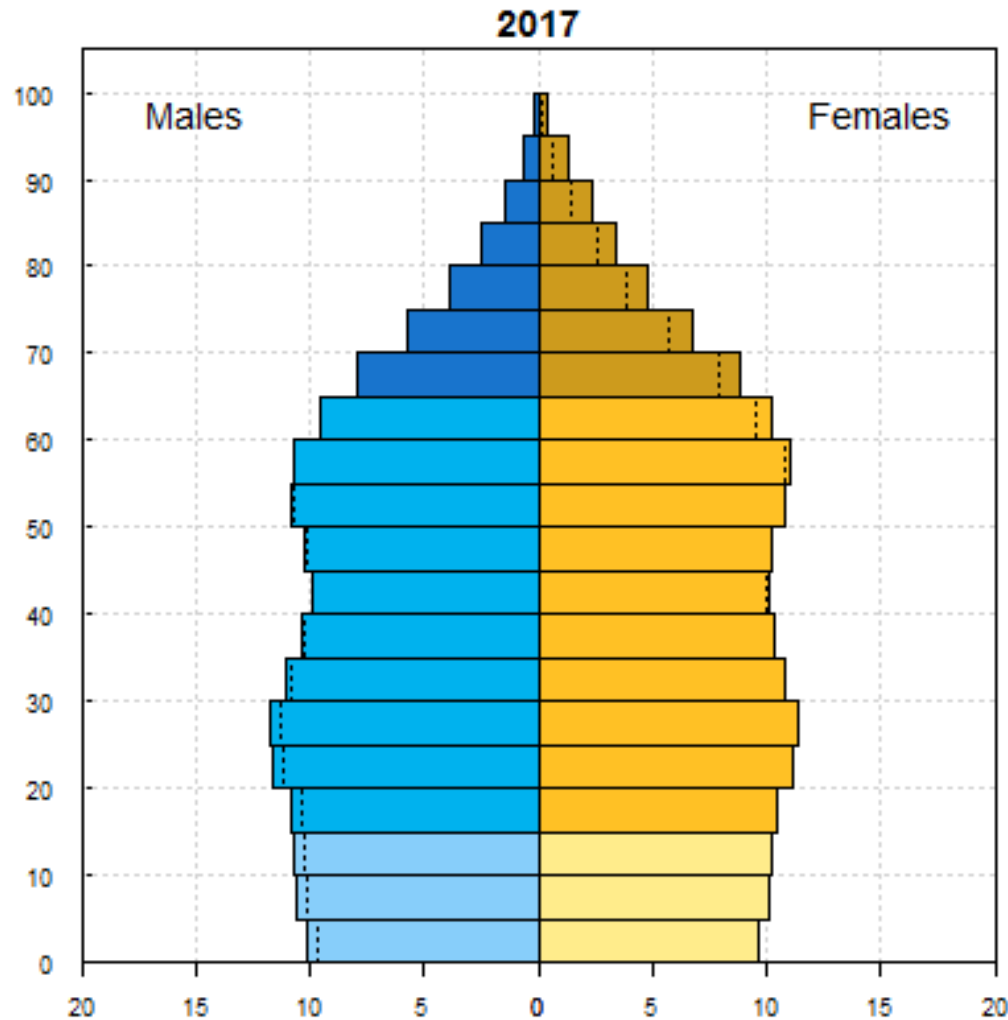
The dotted line indicates the excess male or female population in certain age groups.

Source: United Nations, World Population Prospects 2017

<https://esa.un.org/unpd/wpp/Download/Standard/Population/> (medium variant).



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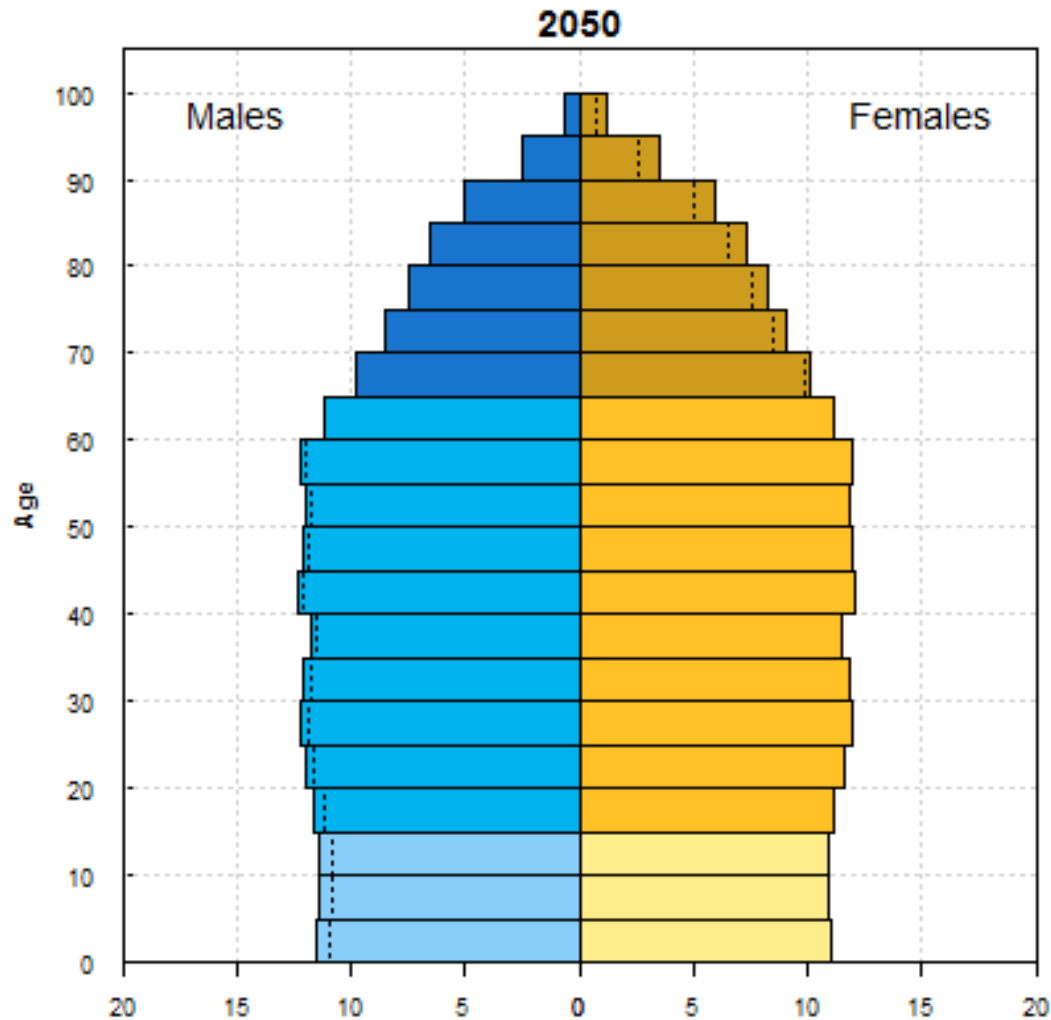
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# Age-sex structure, United States



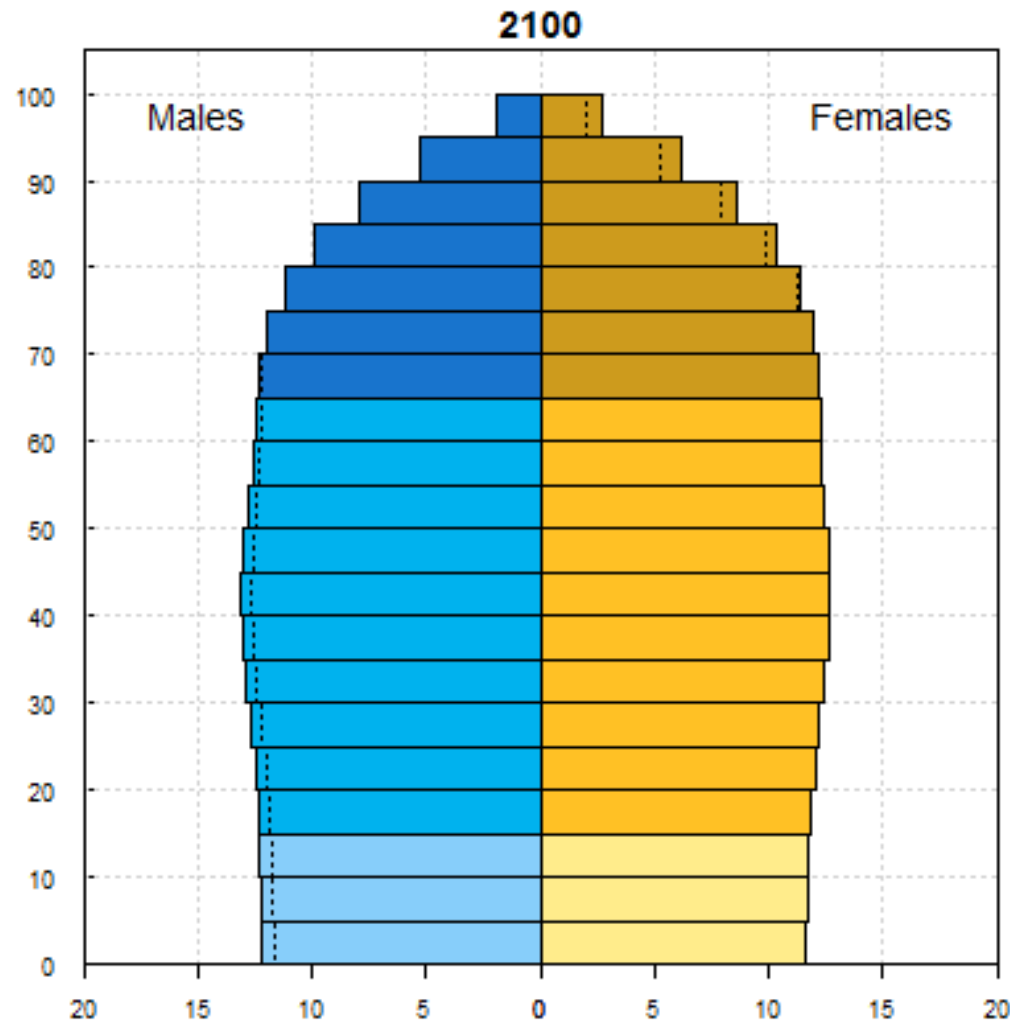
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# Age-sex structure, United States



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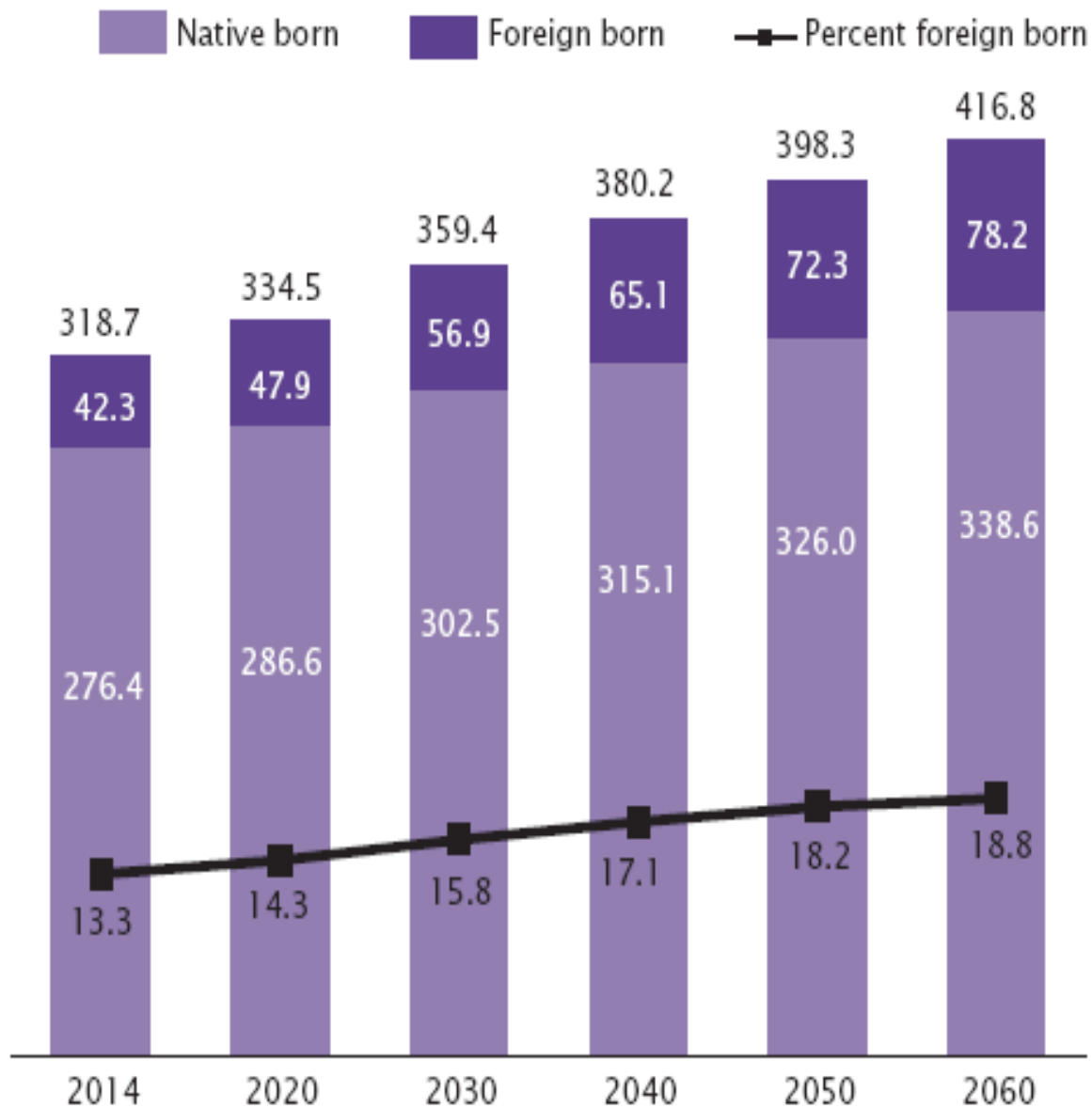
Source: United Nations, World Population Prospects 2017

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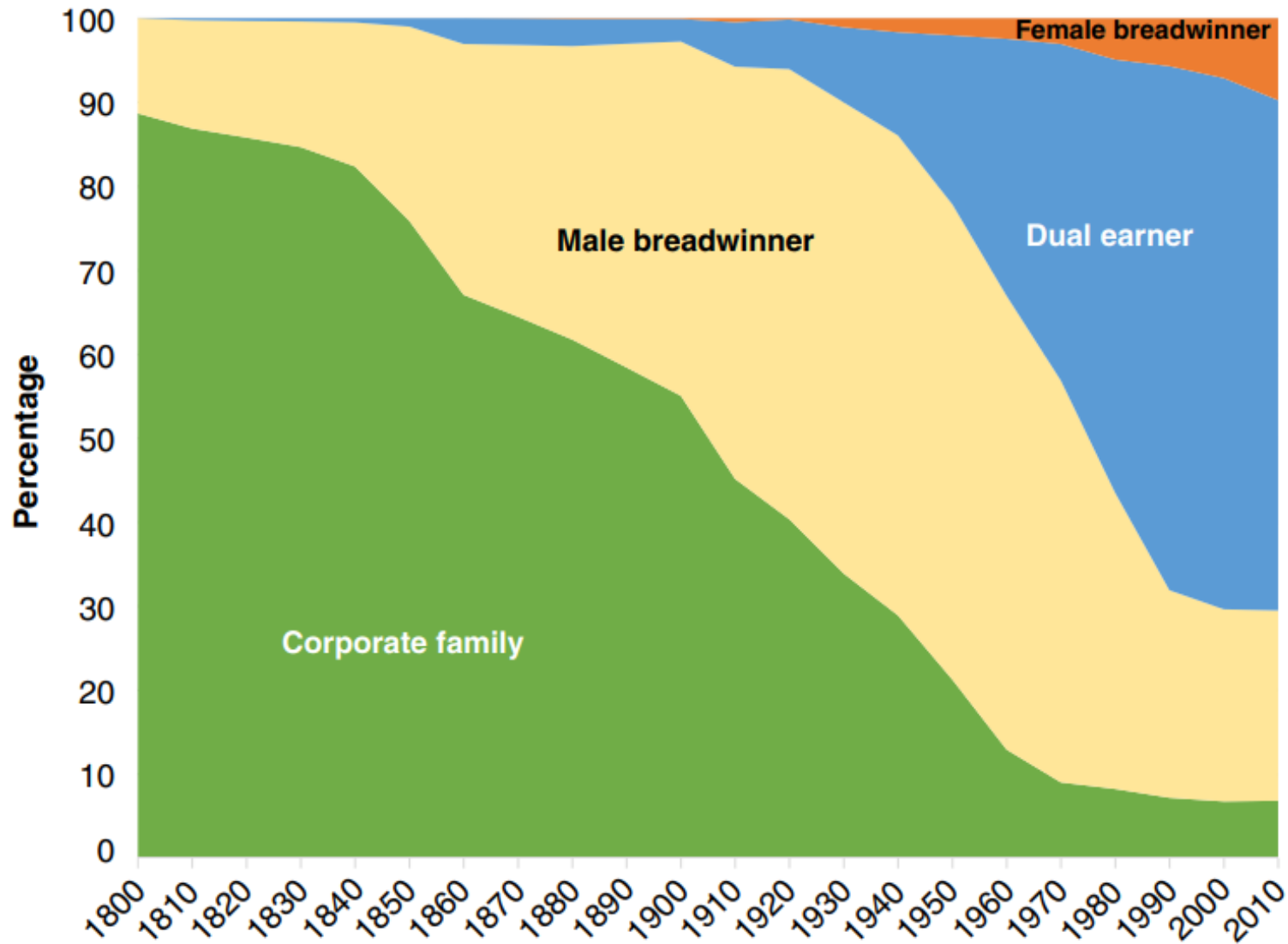
## U.S. Population by Nativity: 2014 to 2060

(Population in millions)



Source: Colby and Ortman, 2015.





**Fig. 4** Family economies of U.S. couples aged 18–64: United States, 1800–2010. *Source:* Ruggles (forthcoming)

# Mortality in the United States, 1940–2013

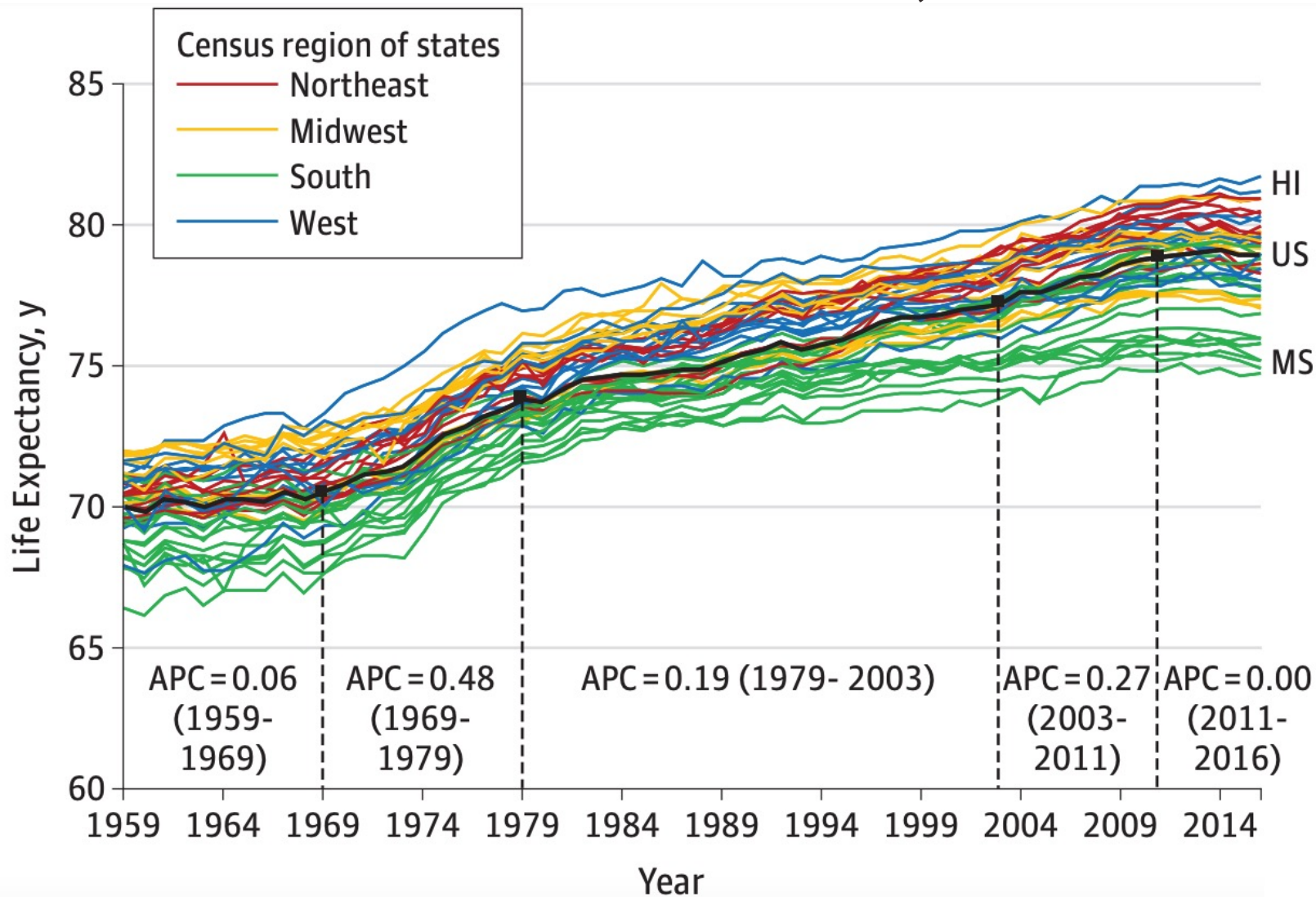
Year	Crude death rate (CDR)	Life expectancy at birth	
		Male	Female
2013	8.0	76.0	81.0
2000	8.5	74.3	79.7
1990	8.6	71.8	79.8
1980	8.8	70.0	77.4
1970	9.5	67.1	74.7
1960	9.5	66.6	73.1
1950	9.6	65.6	71.1
1940	10.8	60.8	65.2

Source: National Center for Health Statistics (NCHS), 2001, 2002; Population Reference Bureau, 2014.

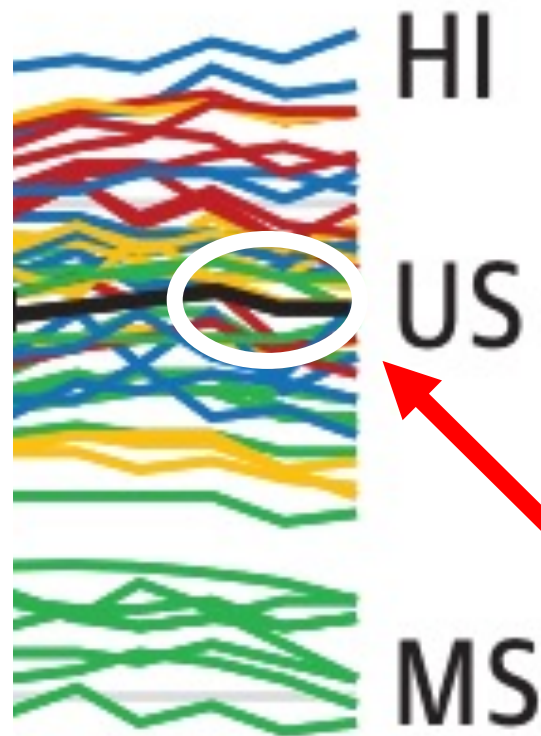


# Life expectancy at birth

## United States and 50 states, 1959–2016



# Life expectancy at birth United States and 50 states



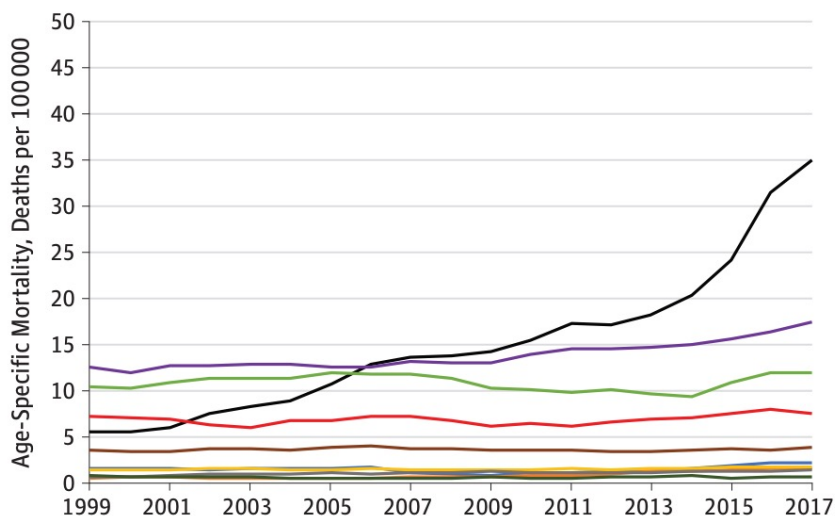
– US life expectancy increased for most of the time between 1959 and 2016

– However, the rate of increase slowed over time and life expectancy decreased after 2014

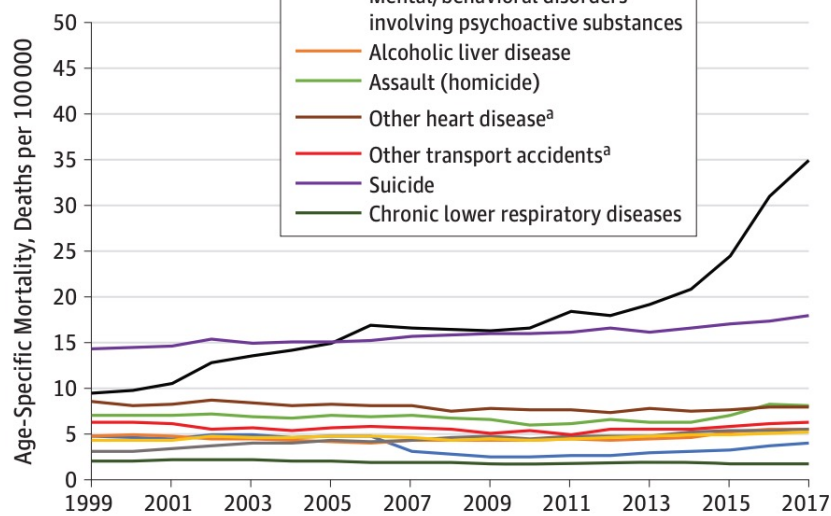


# Mortality rates by causes

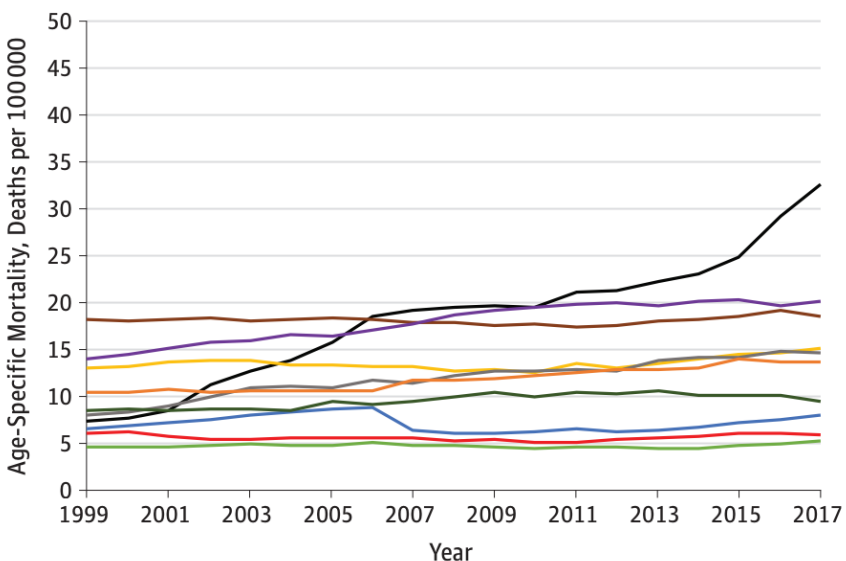
**A** Ages 25-34 y



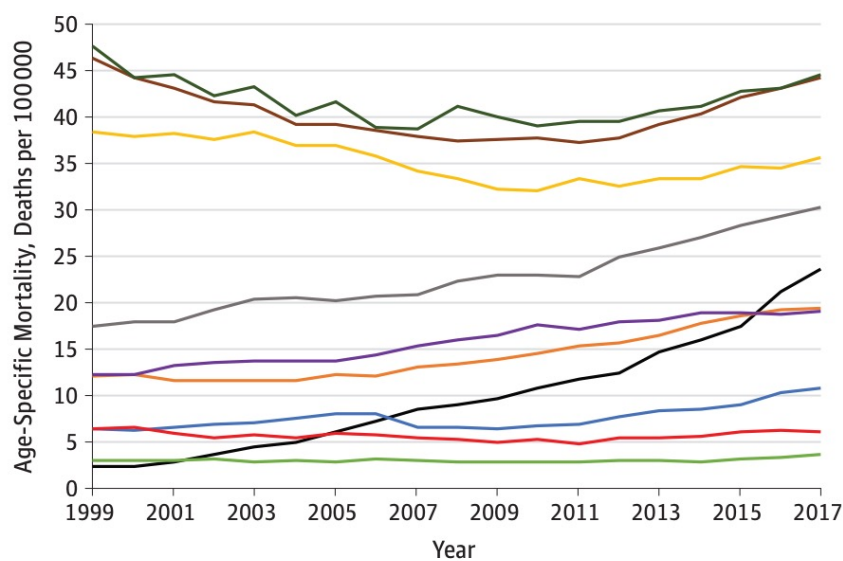
**B** Ages 35-44 y



**C** Ages 45-54 y

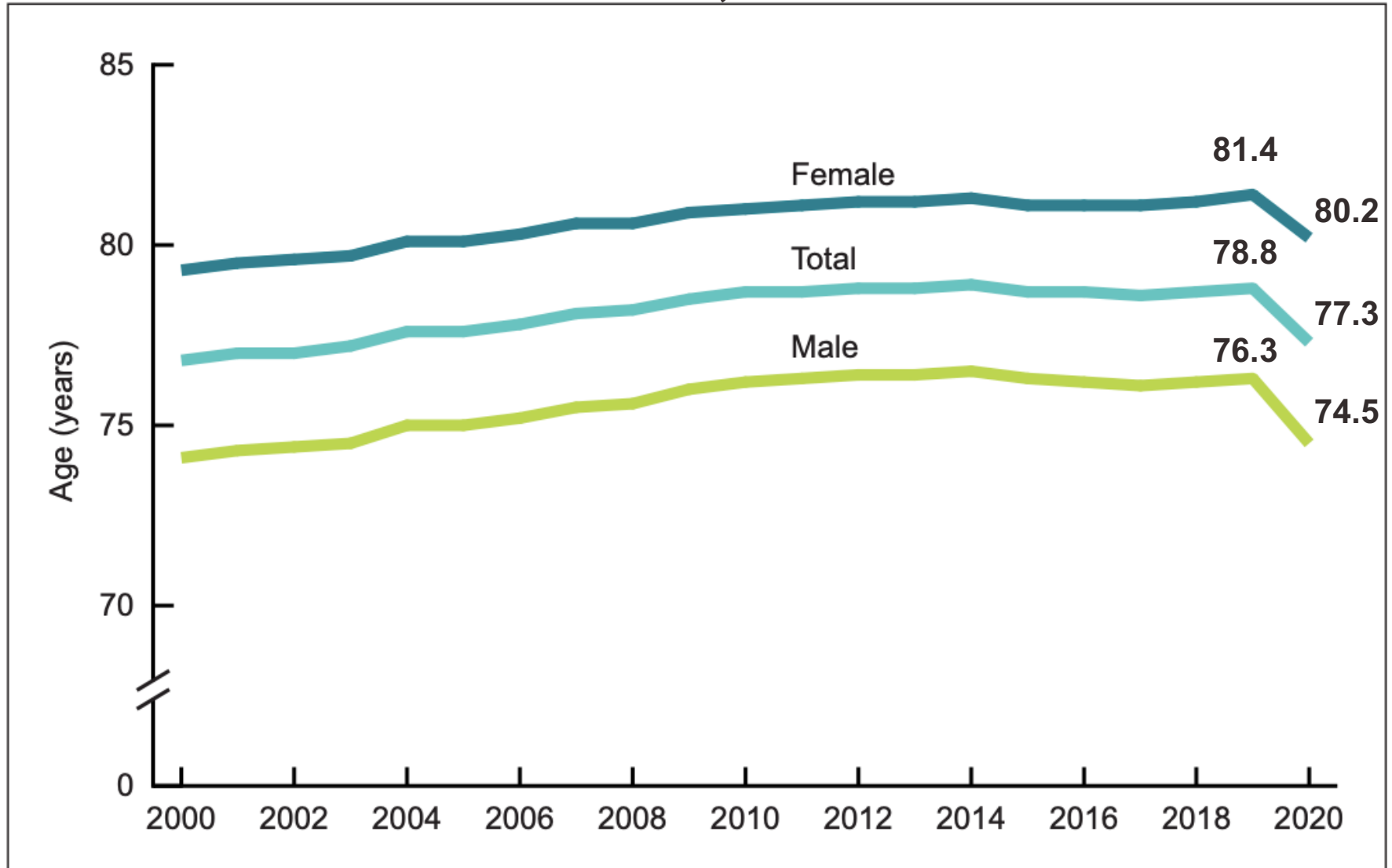


**D** Ages 55-64 y



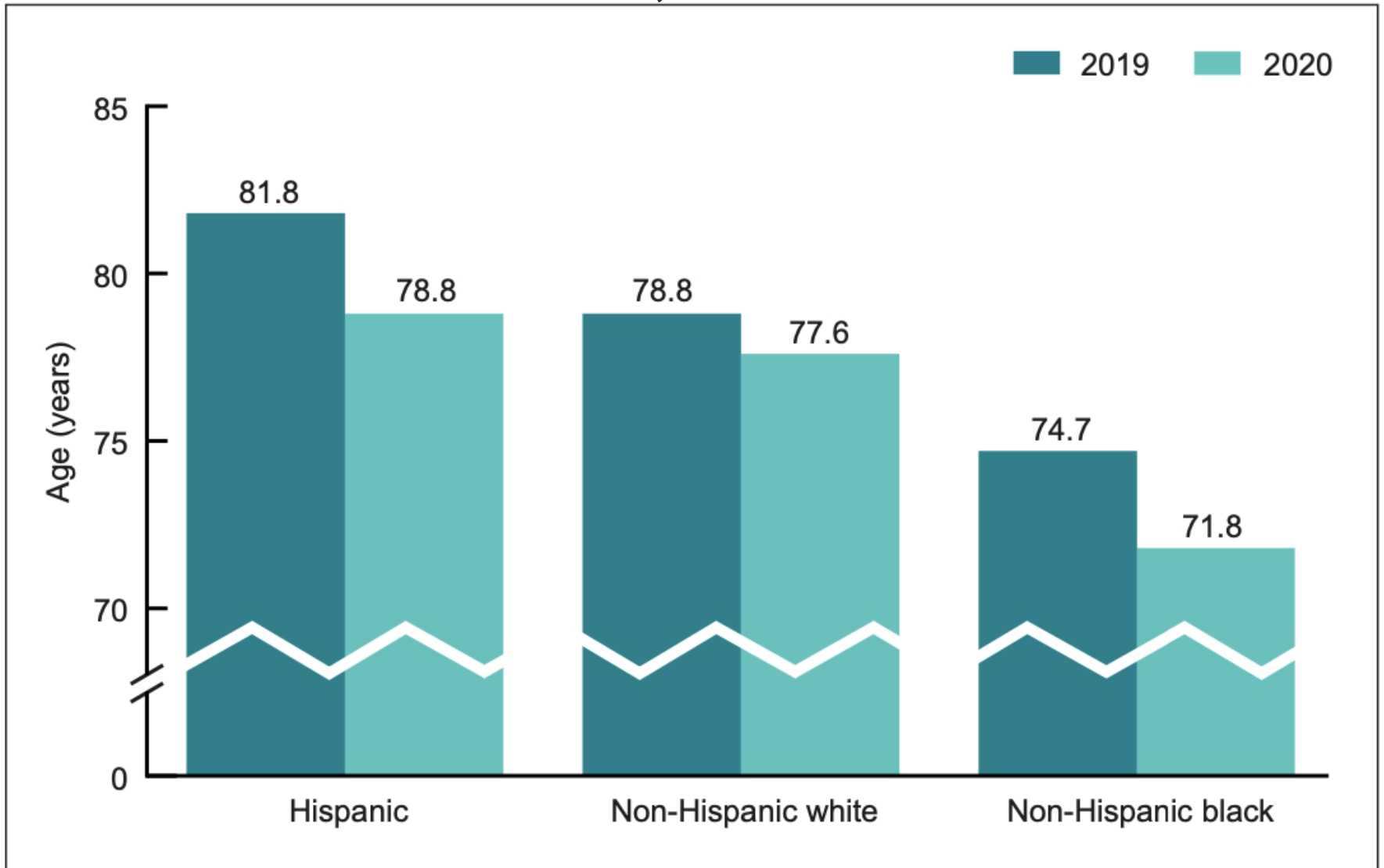
- Drug poisoning
- Diabetes
- Hypertensive diseases
- Mental/behavioral disorders involving psychoactive substances
- Alcoholic liver disease
- Assault (homicide)
- Other heart disease<sup>a</sup>
- Other transport accidents<sup>a</sup>
- Suicide
- Chronic lower respiratory diseases

# Life expectancy at birth by sex United States, 2000–2020

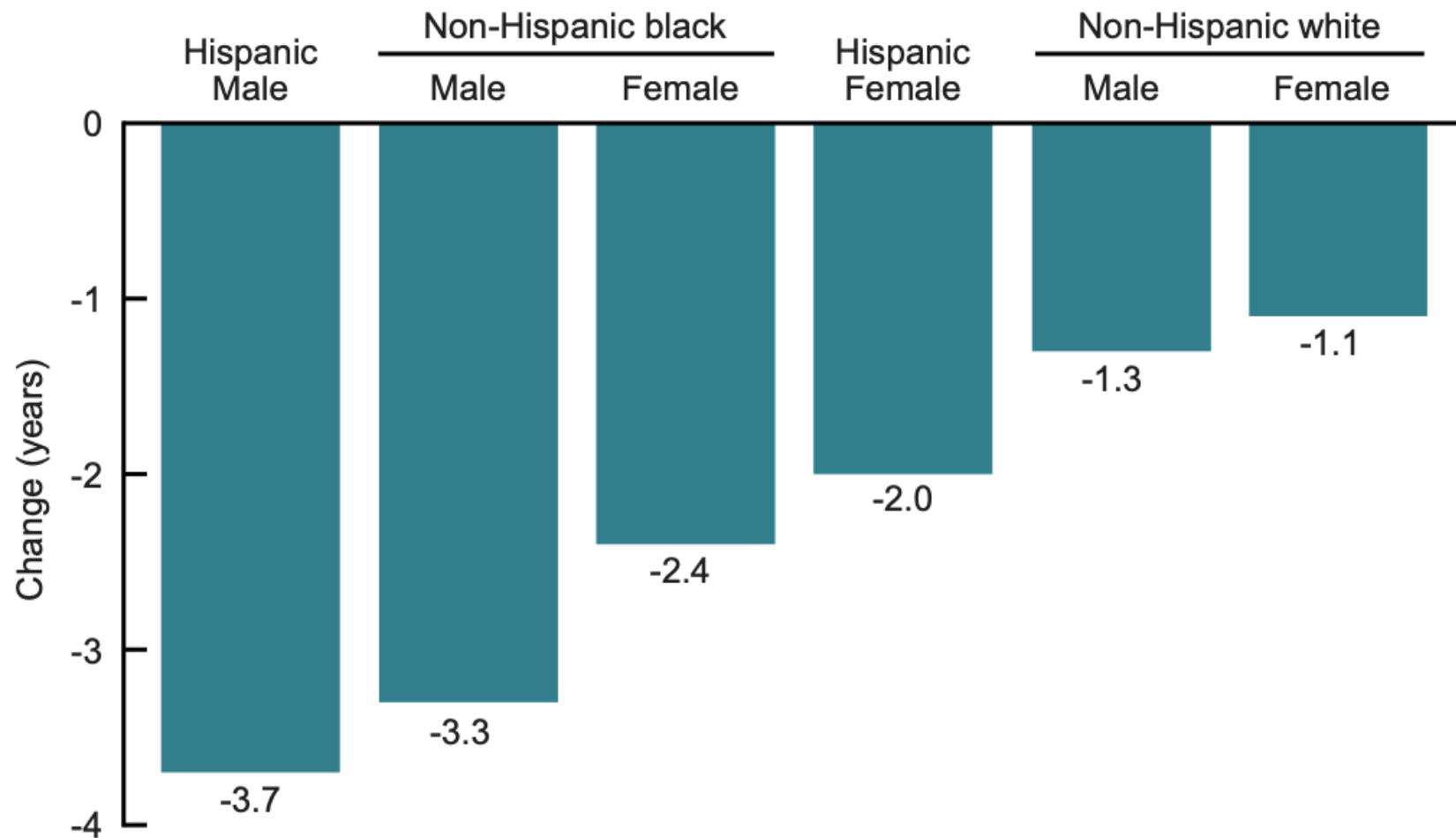


Source: CDC, 2021 (<https://www.cdc.gov/nchs/data/vsrr/vsrr015-508.pdf>).

# Life expectancy at birth by race/ethnicity United States, 2019 and 2020

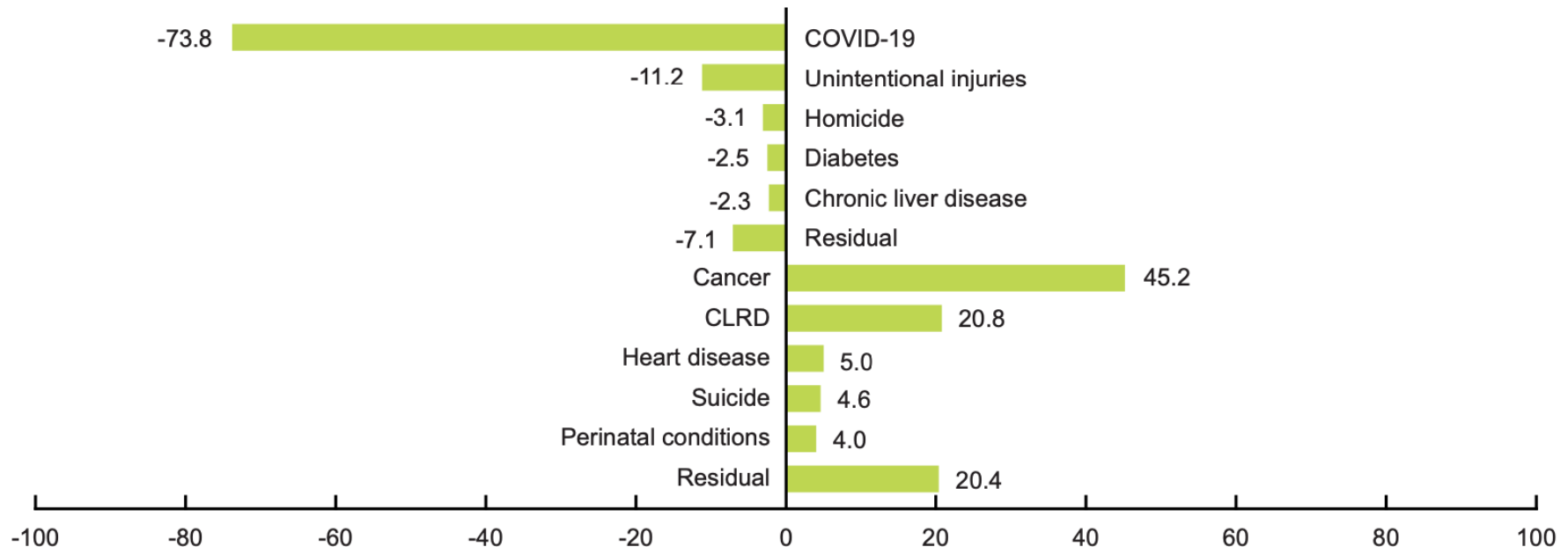


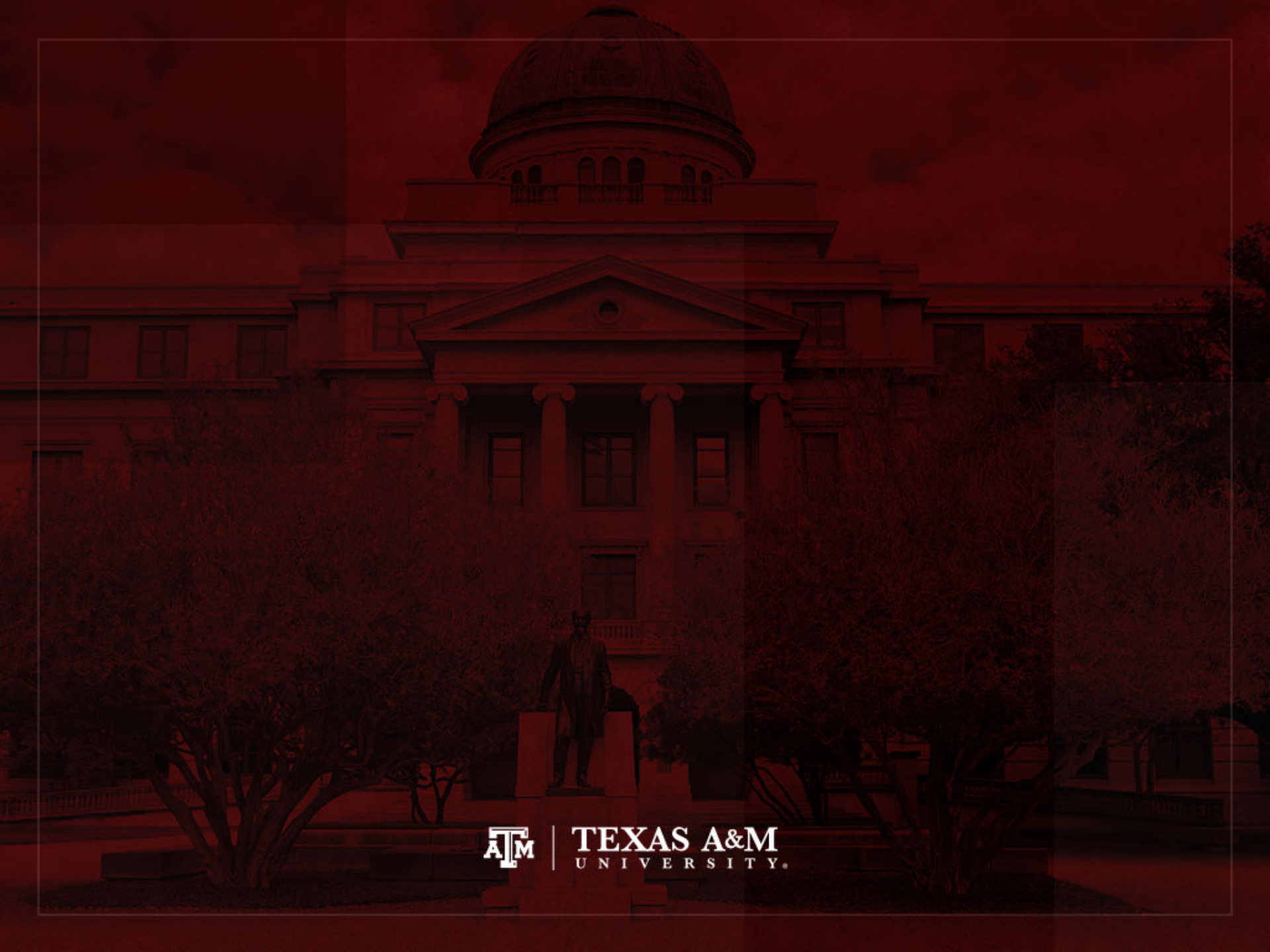
# Change in life expectancy at birth United States, 2019–2020





# Contribution of leading causes of death to the change in life expectancy by sex United States, 2019–2020

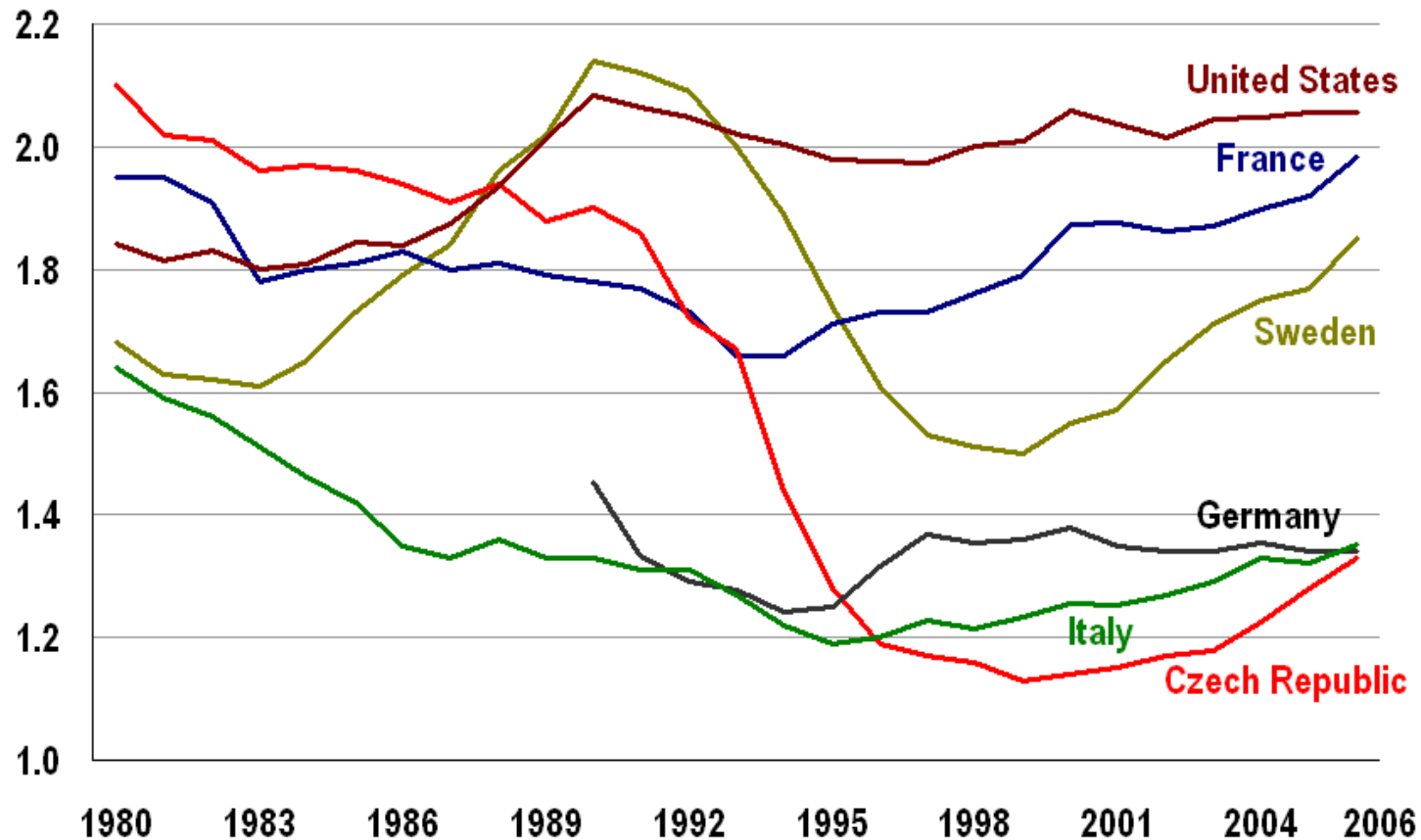




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# 1. Highest fertility rate among developed countries

Number of children per woman

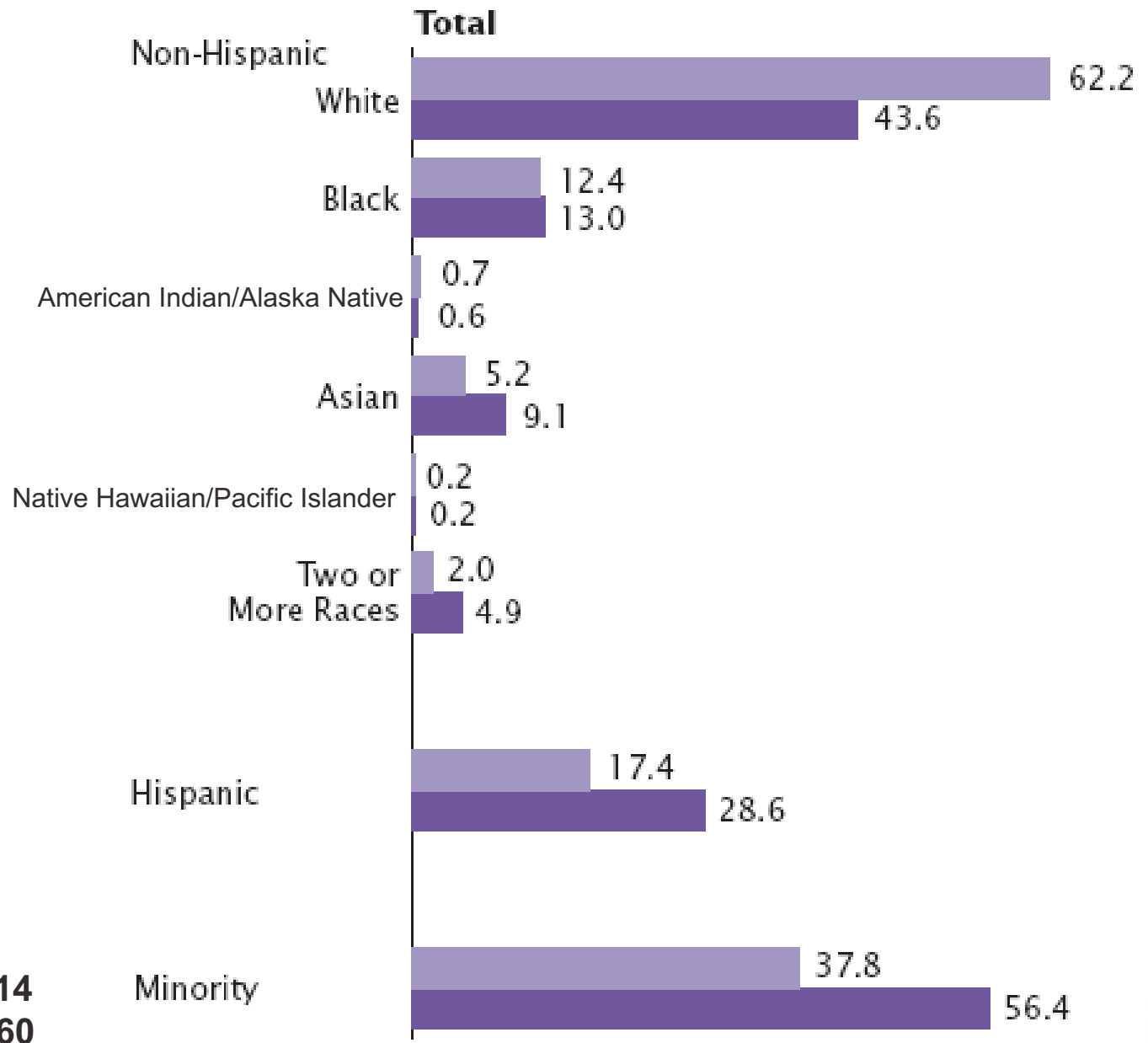


## 2. Majority-minority society around 2044

- Around 2044, the U.S. should be a majority-minority society
- Less than half of the country will be non-Hispanic White



# Percentage distribution of the U.S. population by race/ethnicity, 2014 and 2060



**Legend:**

Upper bar = 2014  
Lower bar = 2060

# Majority-minority states

- States that are now majority-minority
  - 5 states: California, Hawaii, New Mexico, Texas, Nevada
  - District of Columbia
- 8 other states are now between 40–49% minority
  - Arizona, Florida, Georgia, Louisiana, Maryland, Mississippi, New Jersey, New York
  - They will probably become majority-minority by 2020



# Majority-minority states, 2016

State	White percentage
Hawaii	22.1
District of Columbia	36.4
California	37.7
New Mexico	38.1
Texas	42.6
Nevada	49.9
Maryland	51.5
Georgia	53.4
Florida	54.9
Arizona	55.5
New York	55.8
New Jersey	55.8
Mississippi	56.9
Louisiana	59.0



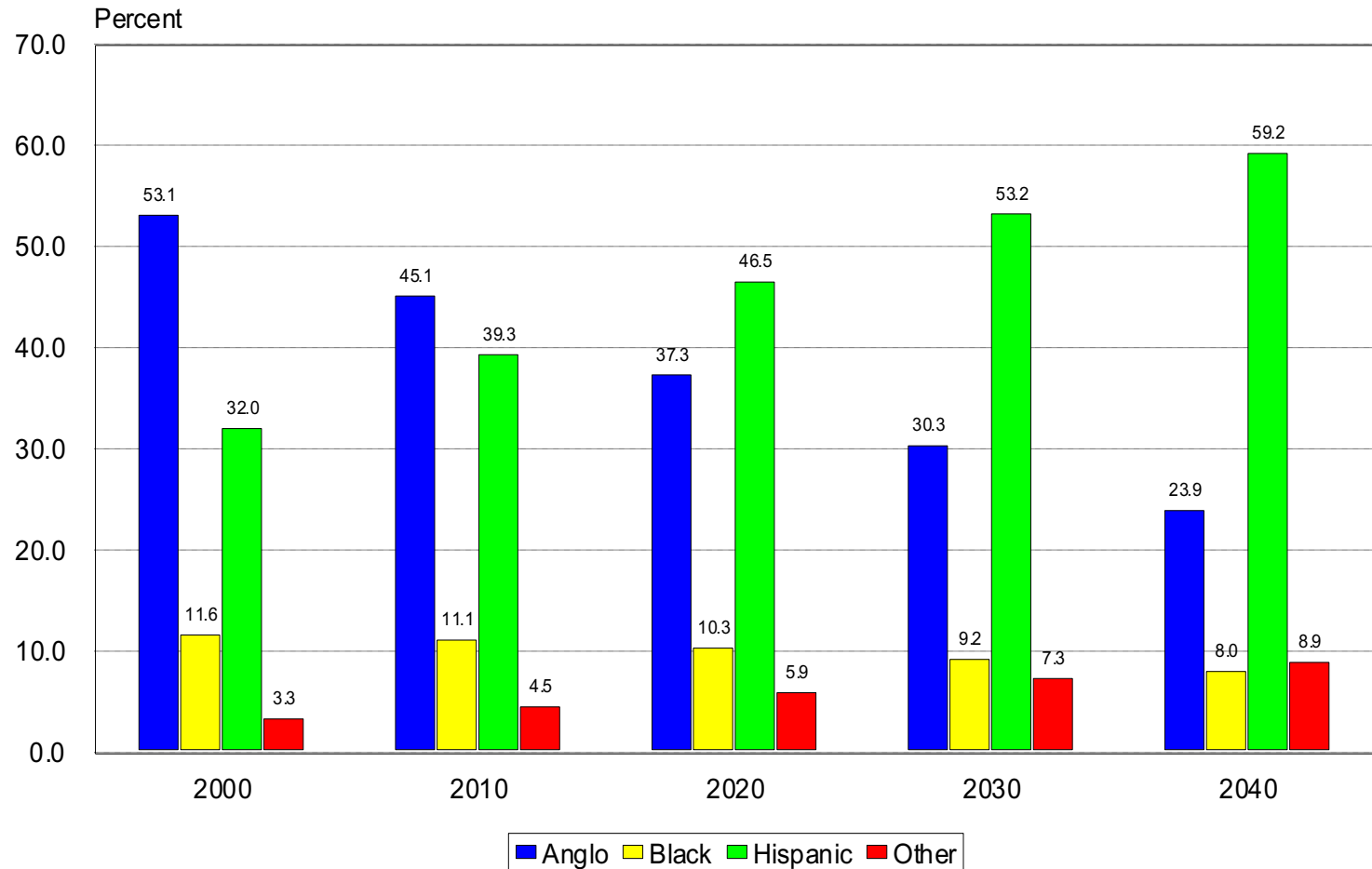
# Diversity in Texas

- Texas already is a majority-minority state
  - The non-Hispanic White population dropped below 50% in 2004
- The demographic destiny of Texas is with the Hispanic population
  - Texas will become majority Hispanic sometime between 2020 and 2030





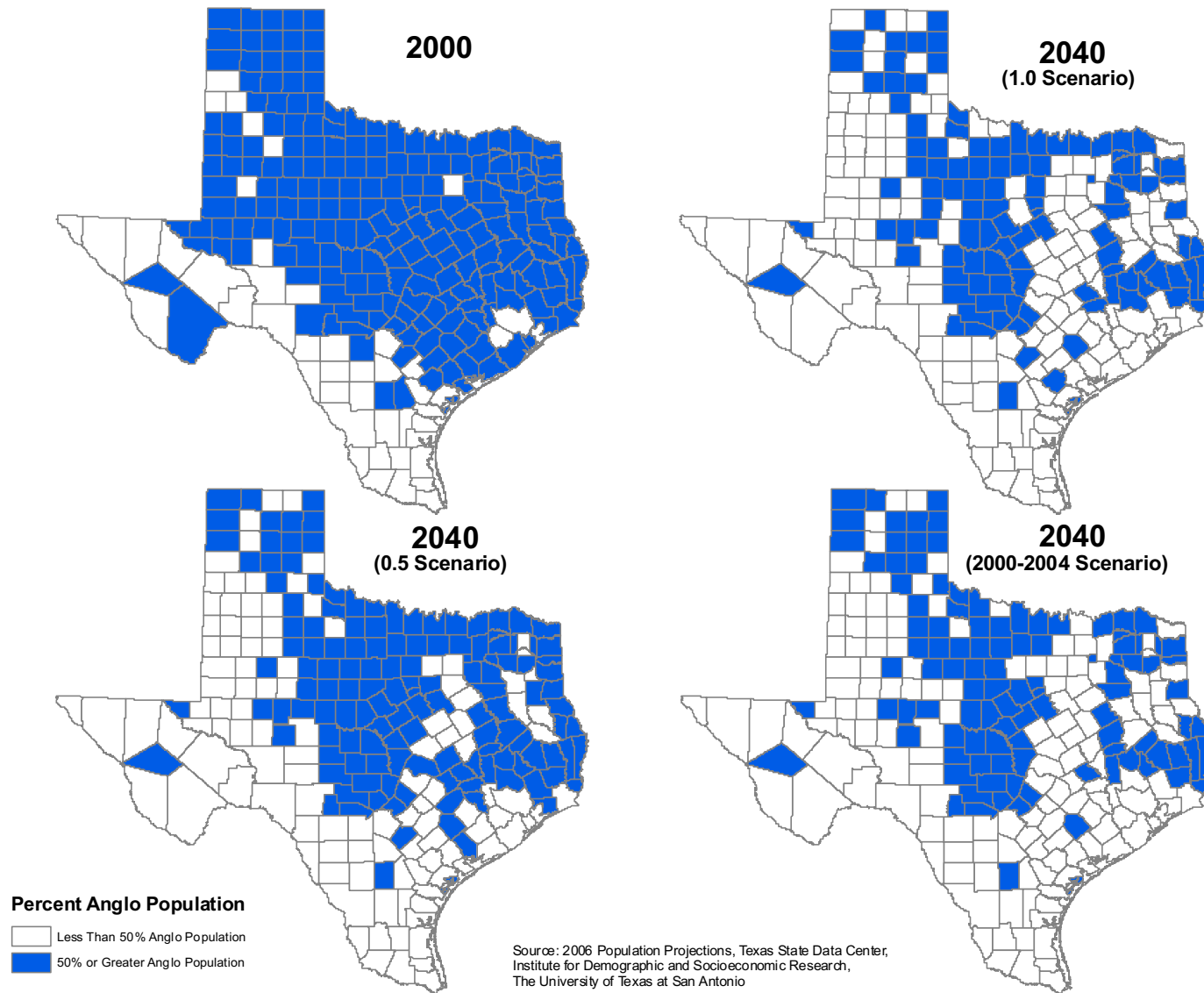
# Projected population by race/ethnicity in Texas, 2000–2040



\*Using U.S. Census count for 2000 and Texas State Data Center 1.0 population projection scenario for 2010-2040.



# Texas counties with 50% or more of Anglo population



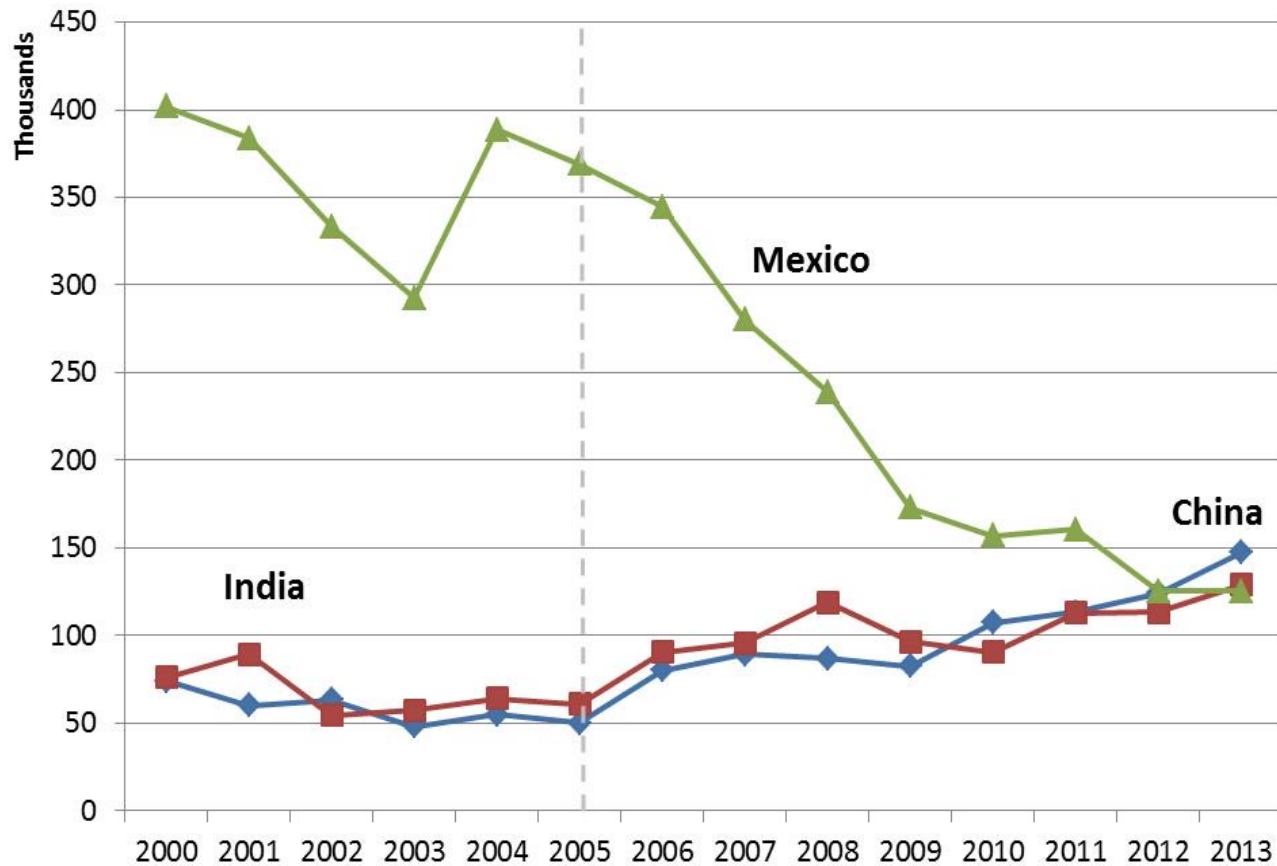
# 3. Changes of origin of undocumented immigrants

- Until now, Mexico has supplied the United States, with immigrant workers to fill low-wage jobs
  - Unprecedented decline in Mexican immigration
- Chinese workers could replace Mexican immigrants (Poston, Morrison 2011)
  - New influx of immigrant workers who will be fleeing hopeless conditions in China
  - Many of them will enter the U.S. undocumented

<http://www.chron.com/disp/story.mpl/editorial/outlook/7695428.html>



## Foreign-Born Population Whose Residence One Year Ago Was Abroad by Selected Places of Birth: 2000-2013



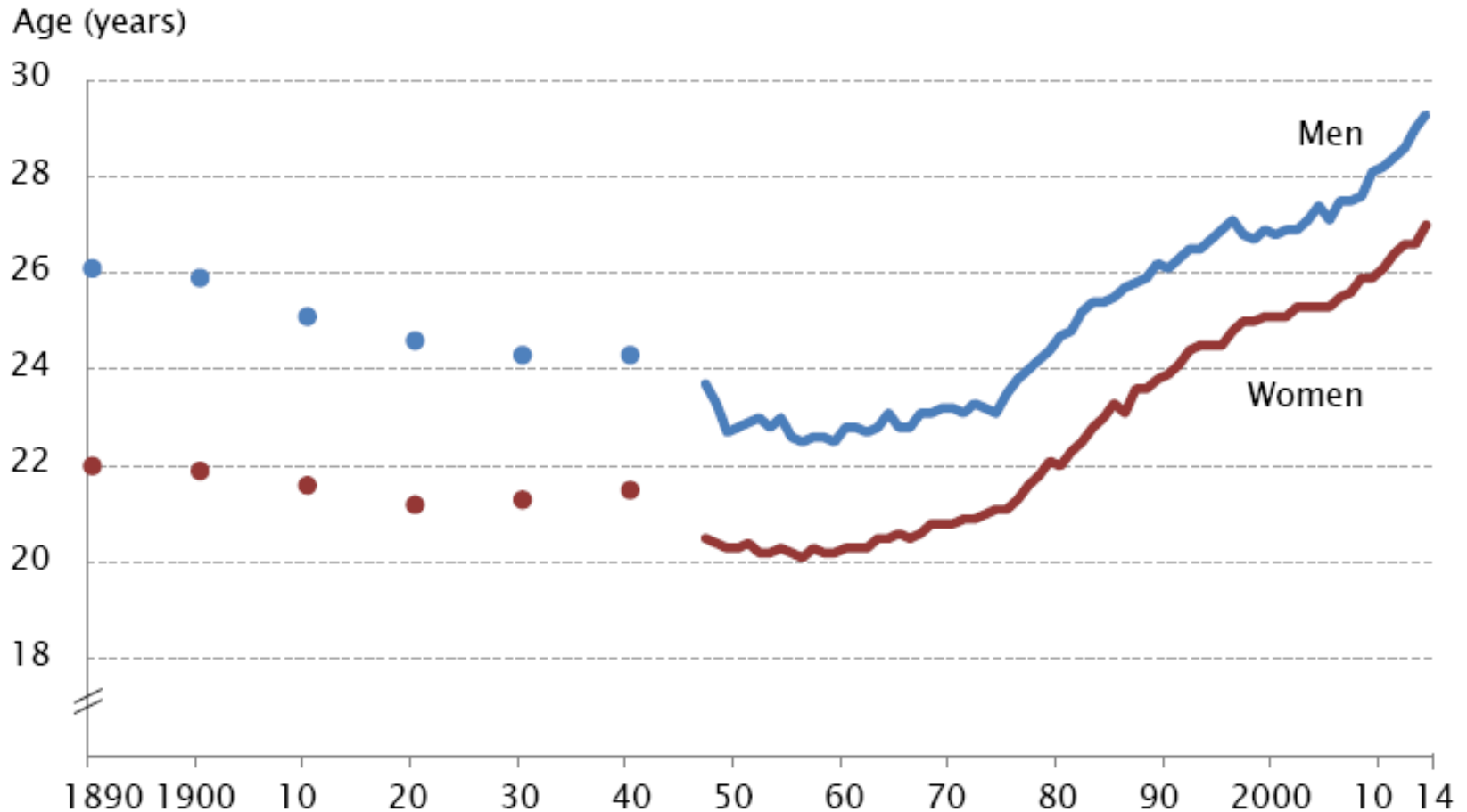
Note: The ACS did not include the group quarters population until 2006. The time series from 2000 to 2005 represents immigration for the household population while the time series from 2006 to 2013 represents immigration for the resident population.

Source: U.S. Census Bureau, Population Division, 2000 to 2013 Single-Year American Community Survey. For information on sampling and nonsampling error in the ACS, see [http://www.census.gov/acs/www/methodology/methodology\\_main/](http://www.census.gov/acs/www/methodology/methodology_main/).



# 4. Increasing ages at first marriage

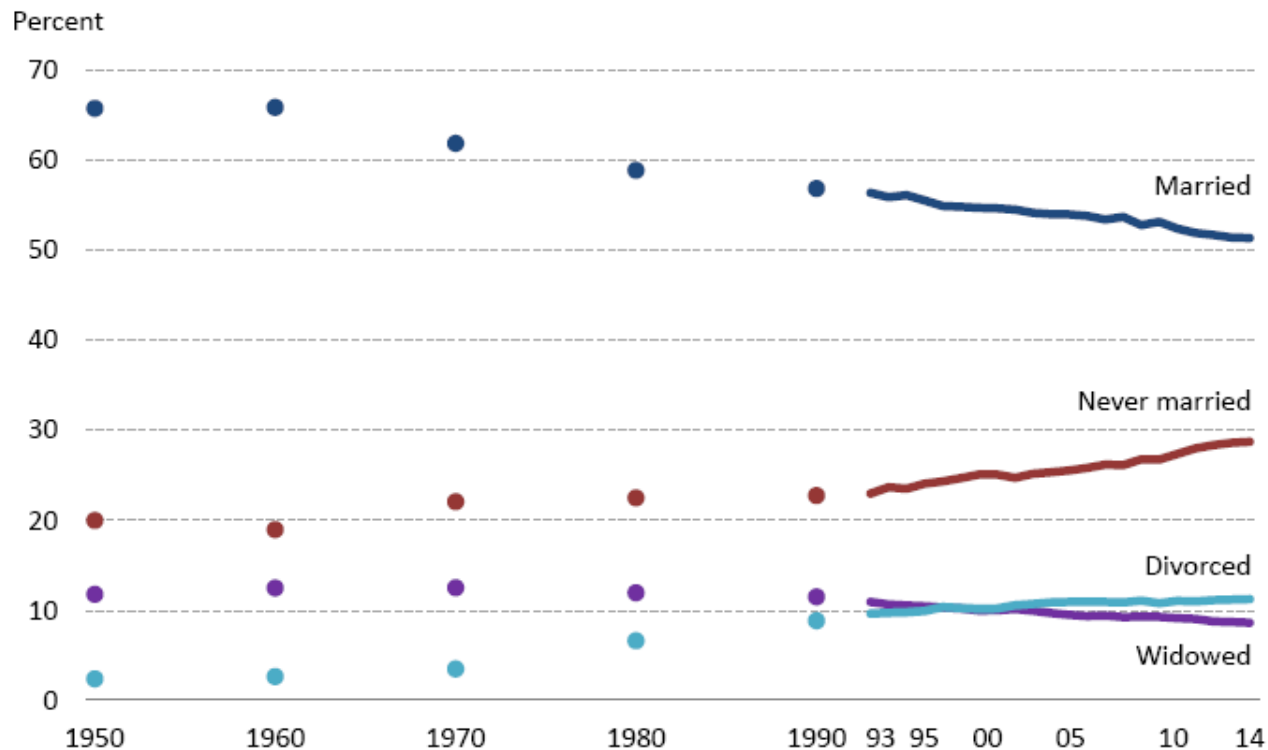
## Median Age at First Marriage: United States, 1890-2014



Source: U.S. Census Bureau, <https://www.census.gov/hhes/families/files/graphics/MS-2.pdf>

# 5. Decreasing percentages of persons marrying

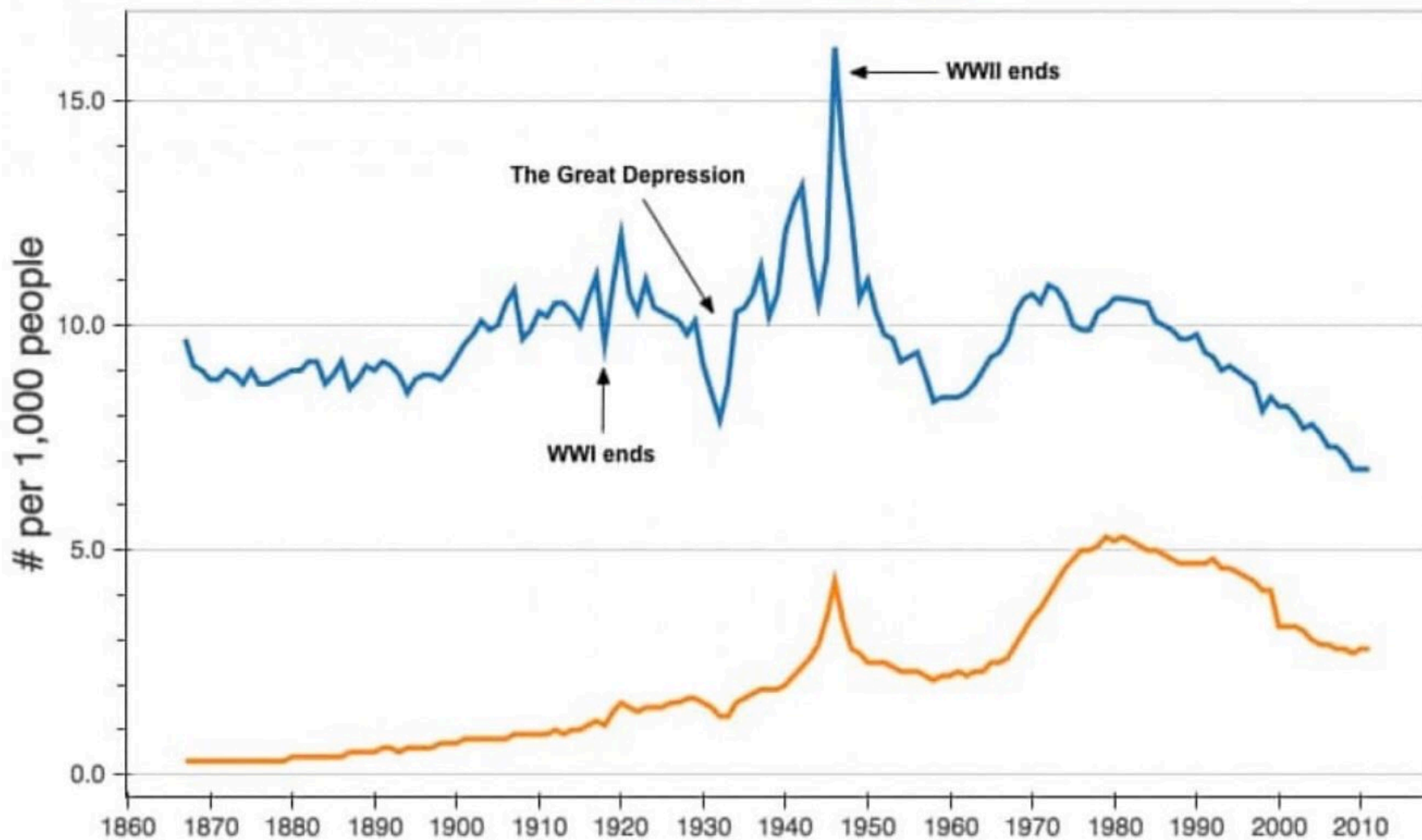
Marital Status of Women 15 years of Age and Older:  
United States, 1950 - 2014



Source: Us. Bureau of the Census. <https://www.census.gov/hhes/families/files/graphics/MS-1b.pdf>



## 144 years of marriage and divorce in the U.S.

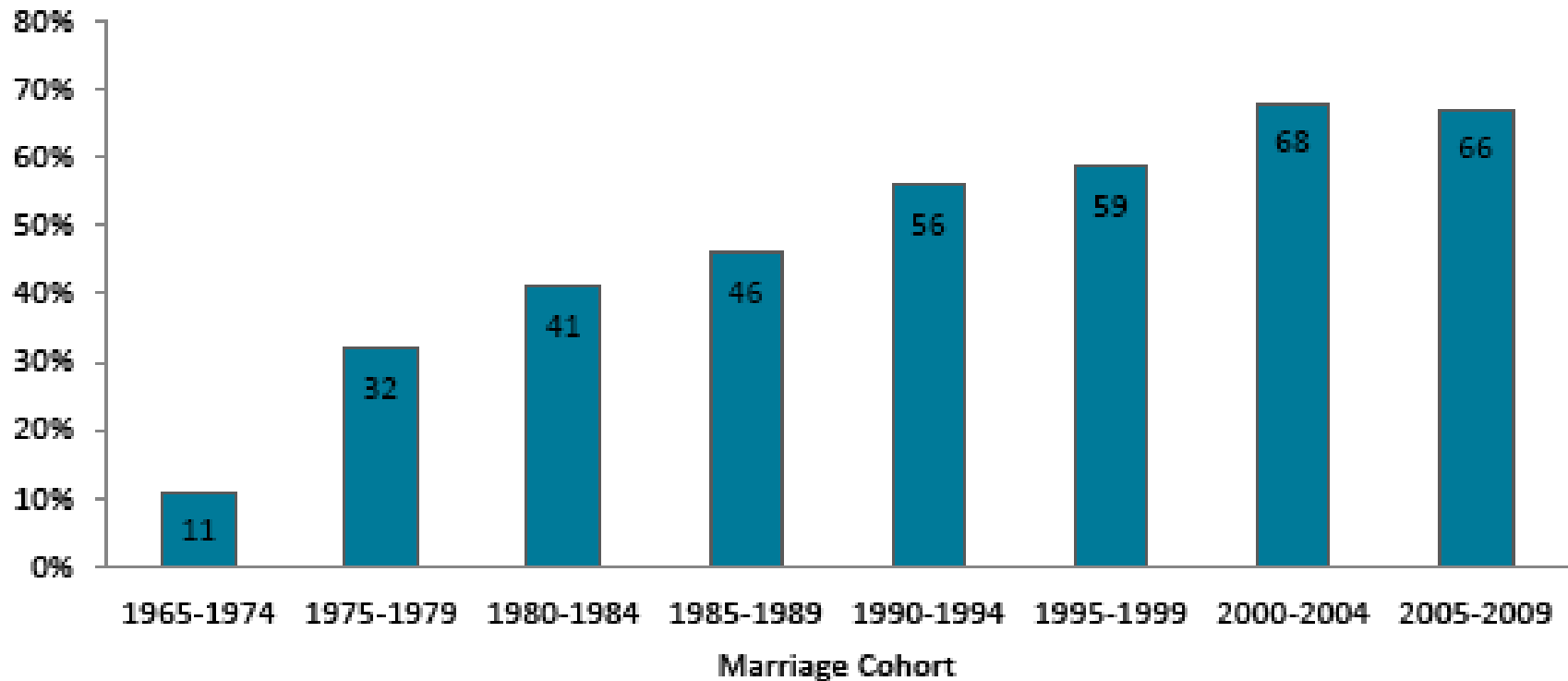


Data source: CDC NCHS

Author: Randy Olson (@randal\_olson / randalolson.com)

# 6. Increasing levels of cohabitation

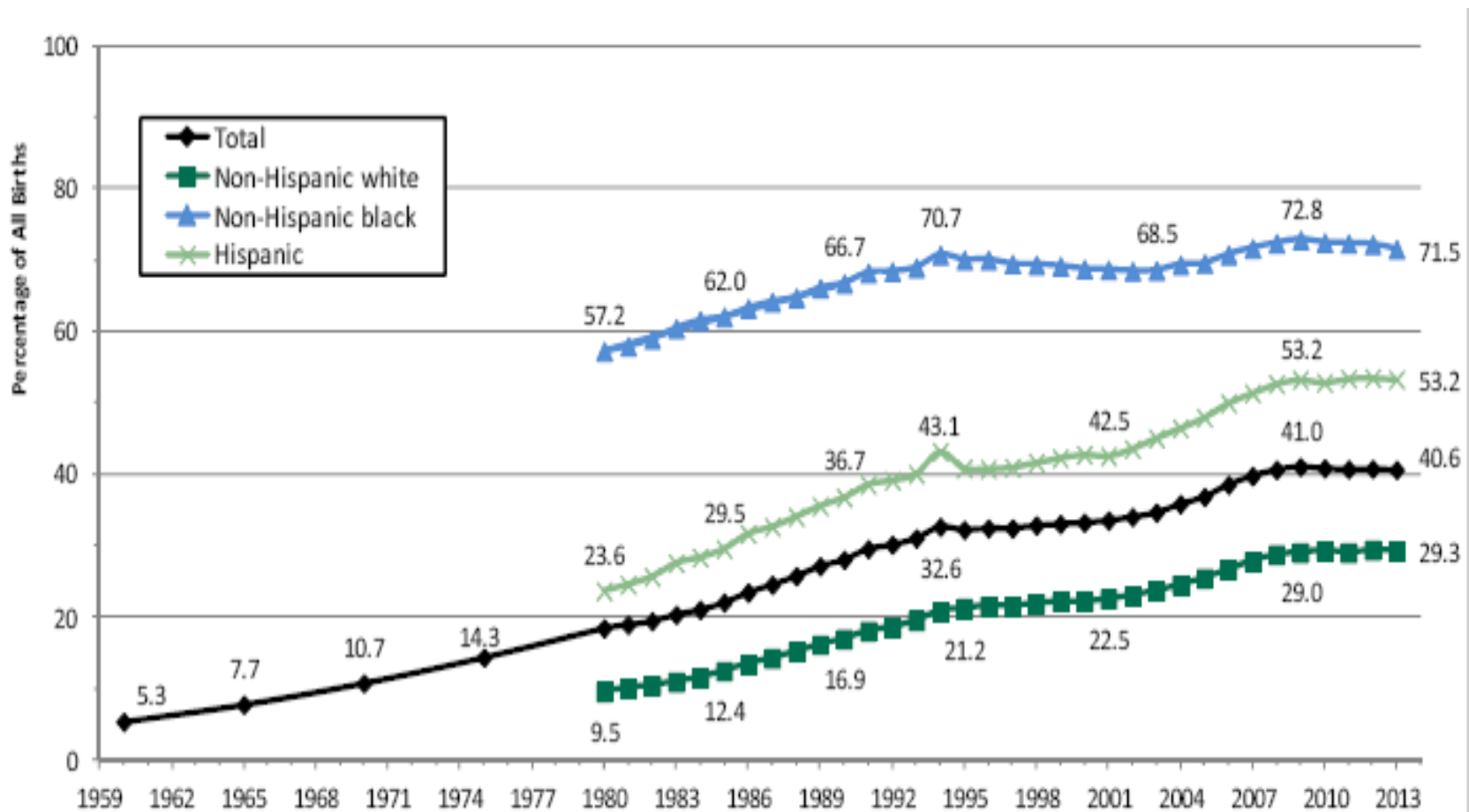
**Percentages of Women (ages 19-44) Who Cohabited  
Prior to Their First Marriage:  
United States, 1965-74 to 2005-09**





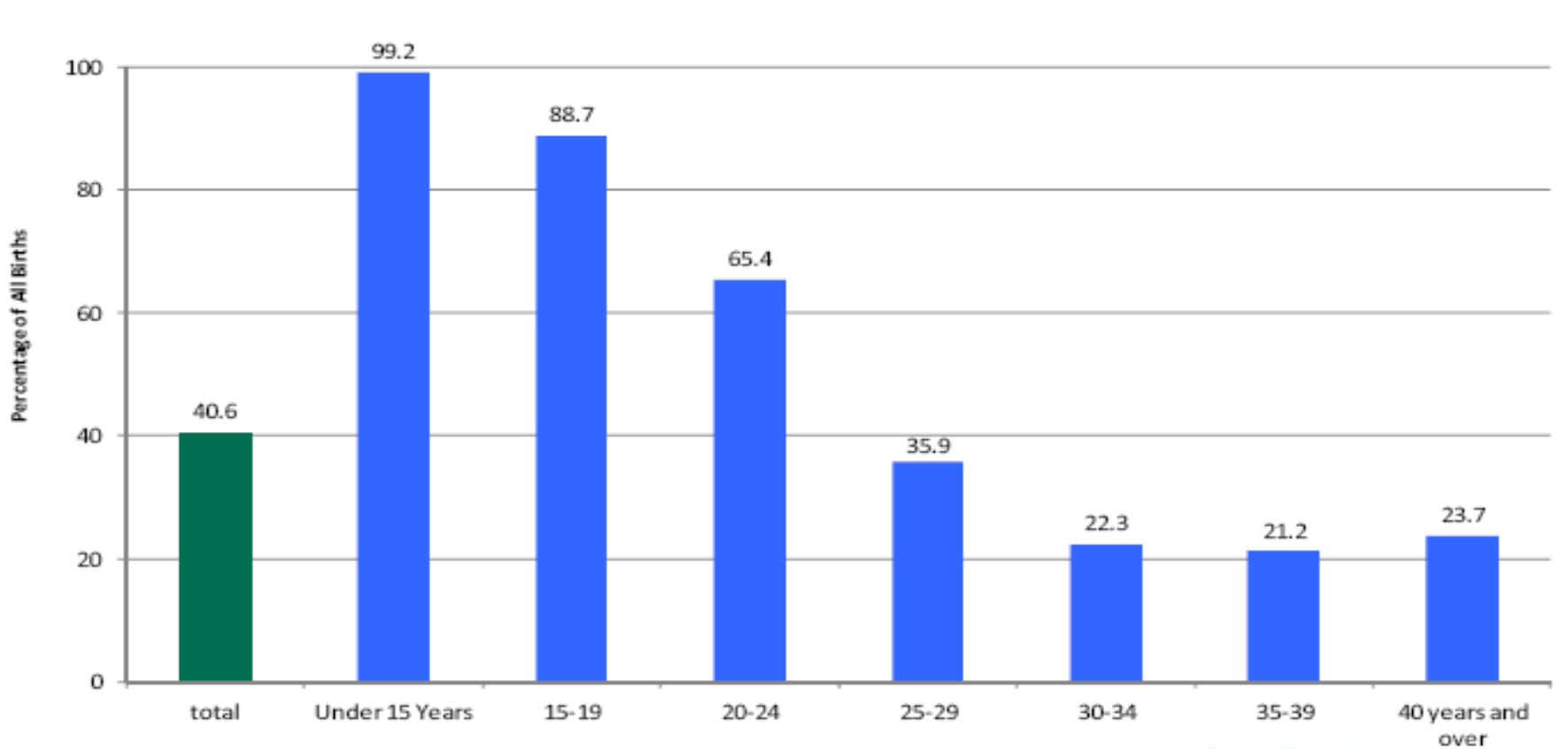
# 7. Increasing percentages of births to unwed mothers

Percentages of Births to Unmarried Women, by Race and Hispanic Origin, 1959 to 2013



# How old are the unmarried women who had babies?

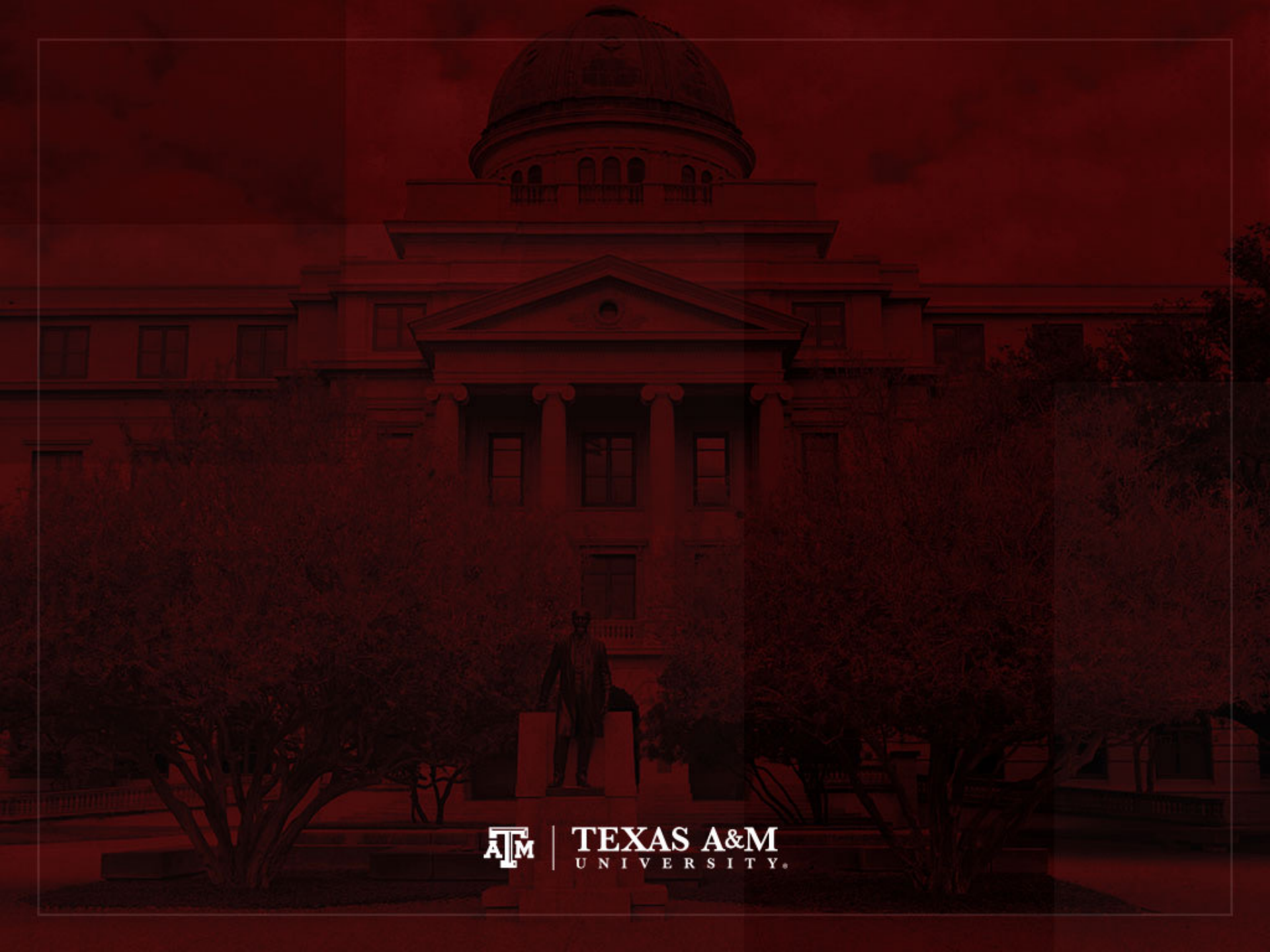
**Percentage of All Births to Unmarried Women, by Age of Mother:  
United States, 2013**



# References

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