# Demographics of Texas and the Aging Population

2018 Aging in Texas Summit

Austin, Texas

February 6, 2017

TEXAS DEMOGRAPHIC CENTER

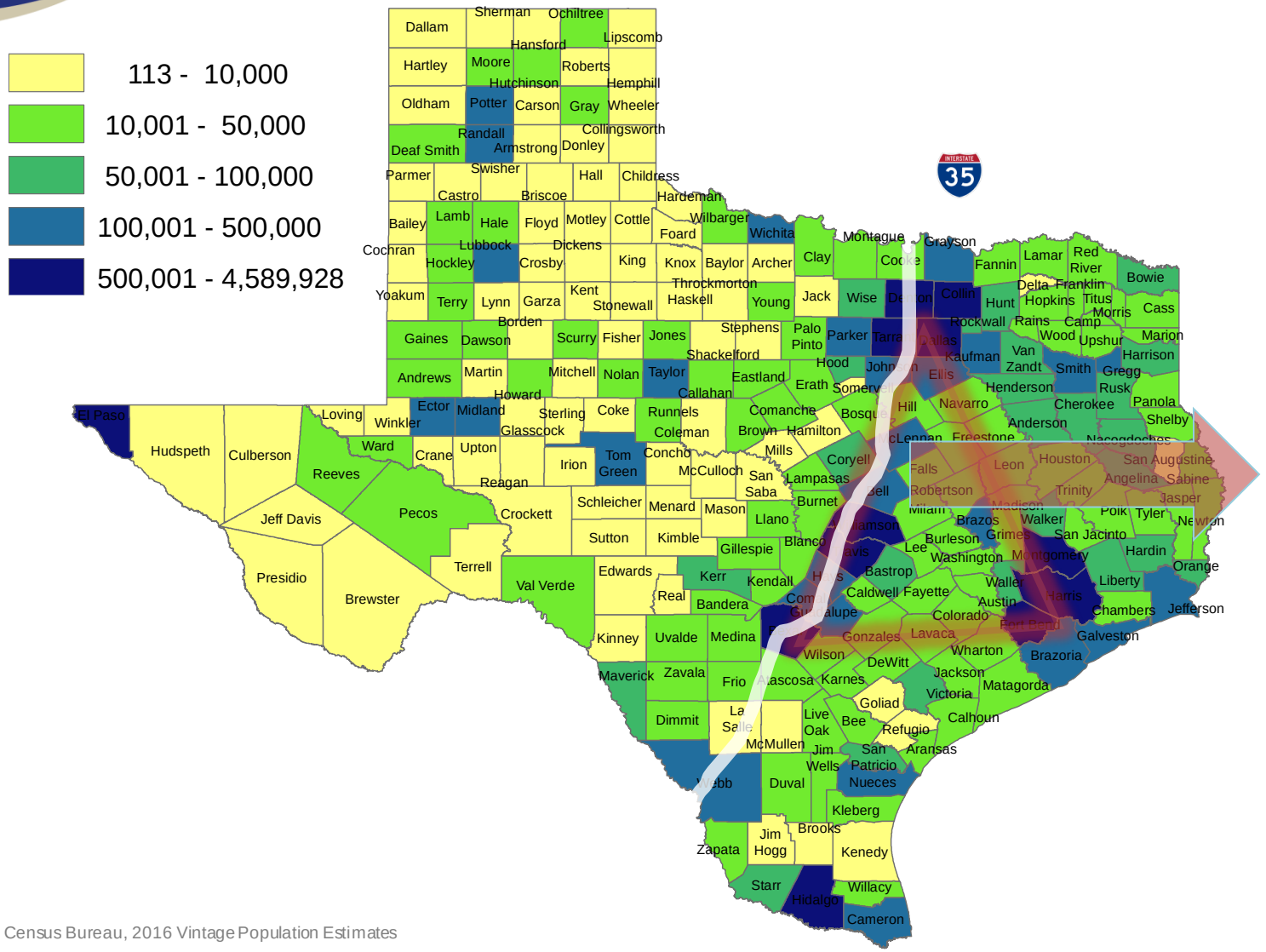
@TexasDemography

# Growing States, 2010-2017

| | 2010 Census Population | 2017 Population | Numeric Change 2010-2017 | Percent Change 2010-2017 |
|---|---|---|---|---|
| United States | 308,745,538 | 325,719,178 | 16,973,640 | 5.5% |
| **Texas** | **25,145,561** | **28,304,596** | **3,159,035** | **12.6%** |
| California | 37,253,956 | 39,536,653 | 2,282,697 | 6.1% |
| Florida | 18,801,310 | 20,984,400 | 2,183,090 | 11.6% |
| Georgia | 9,687,653 | 10,429,379 | 741,726 | 7.7% |
| North Carolina | 9,535,483 | 10,273,419 | 737,936 | 7.7% |
| Washington | 6,724,540 | 7,405,743 | 681,203 | 10.1% |
| Arizona | 6,392,017 | 7,016,270 | 624,253 | 9.8% |
| Colorado | 5,029,196 | 5,607,154 | 577,958 | 11.5% |

Source: U.S. Census Bureau. 2000 and 2010 Census Count, 2017 Population Estimates.

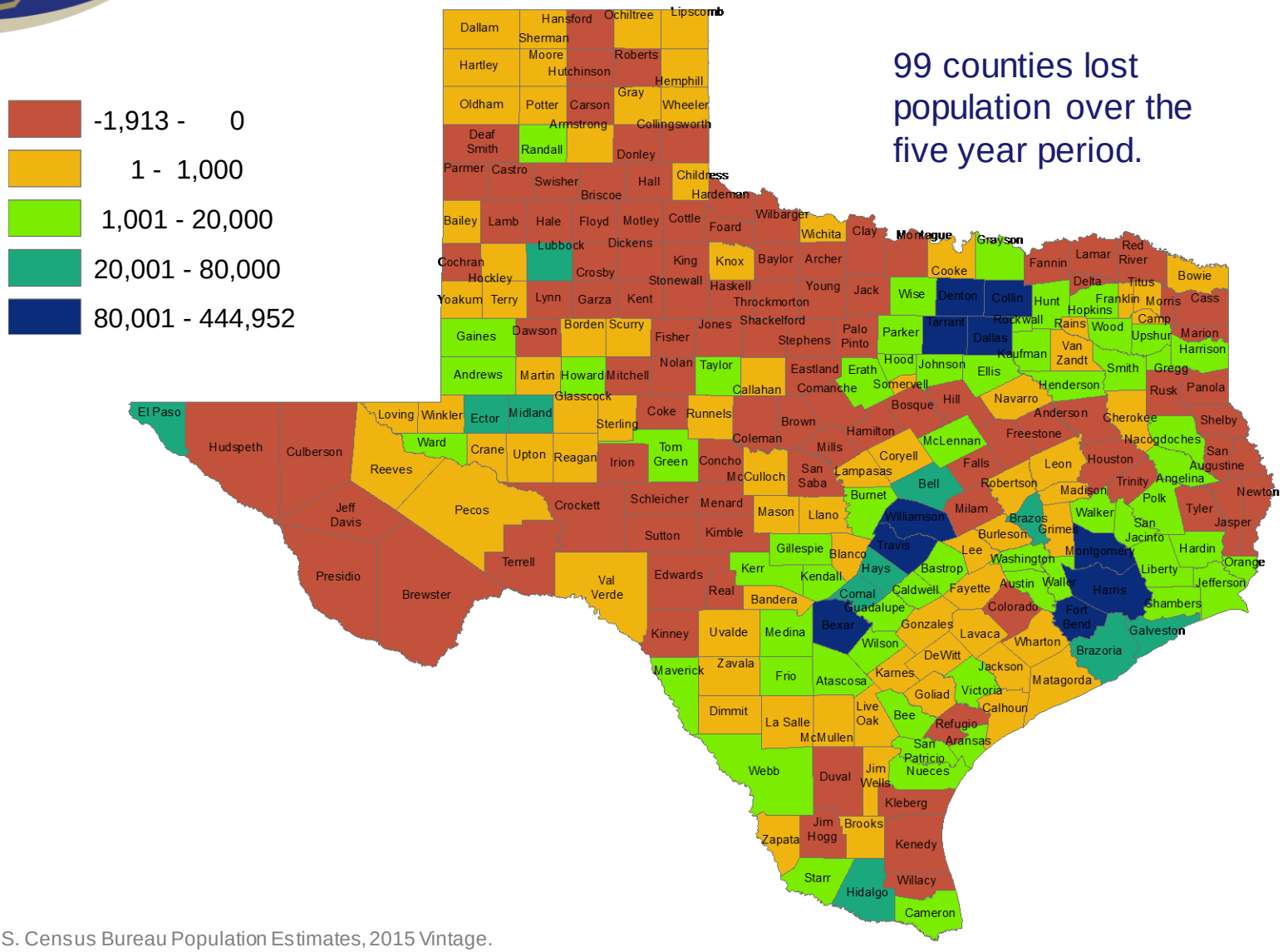
# Total Estimated Population by County, Texas, 2016




?86%

Source: U.S. Census Bureau, 2016 Vintage Population Estimates

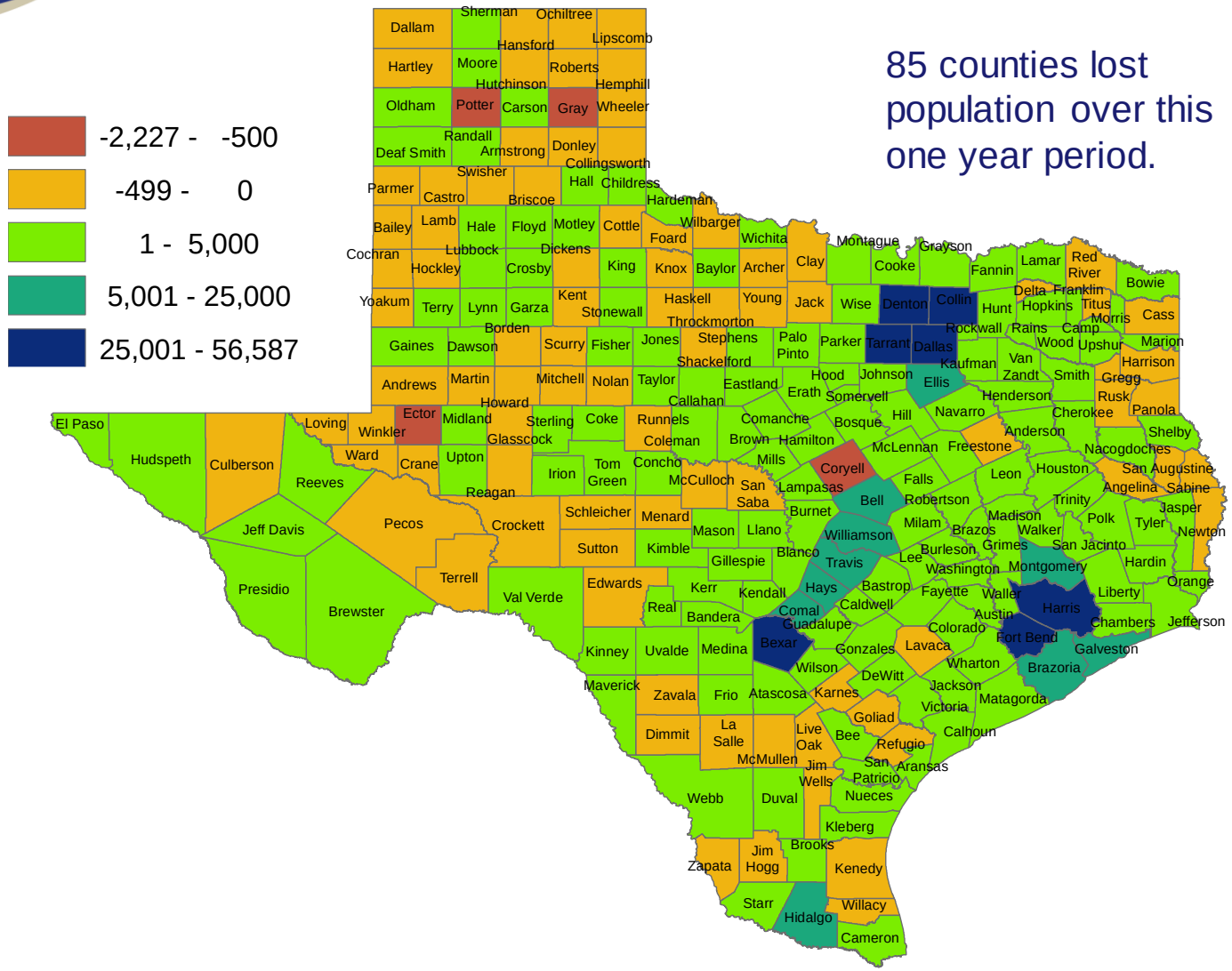
# Estimated Population Change, Texas Counties, 2010 to 2015




99 counties lost population over the five year period.

Source: U.S. Census Bureau Population Estimates, 2015 Vintage.

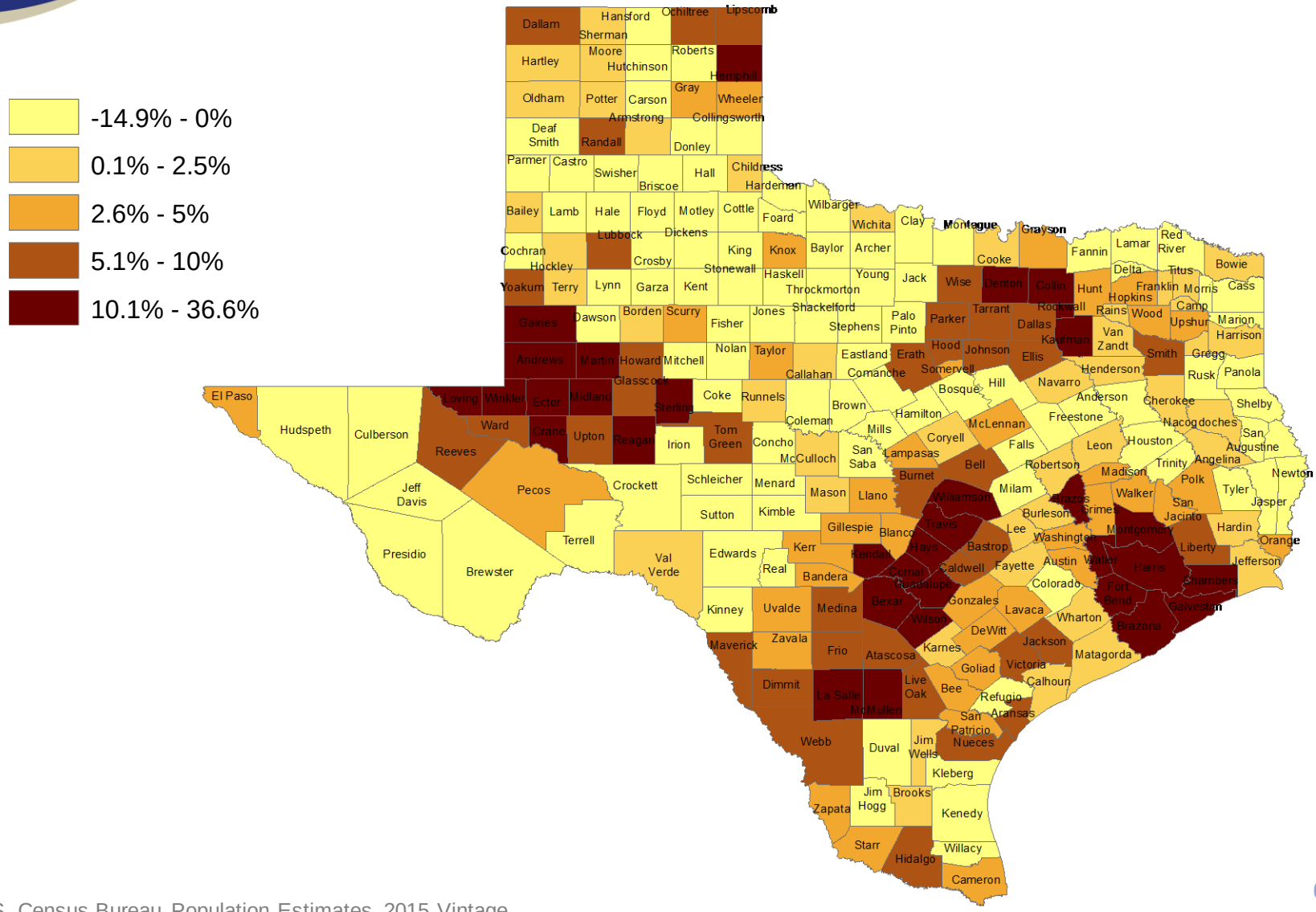
# Estimated Population Change, Texas Counties, 2015 to 2016




85 counties lost population over this one year period.

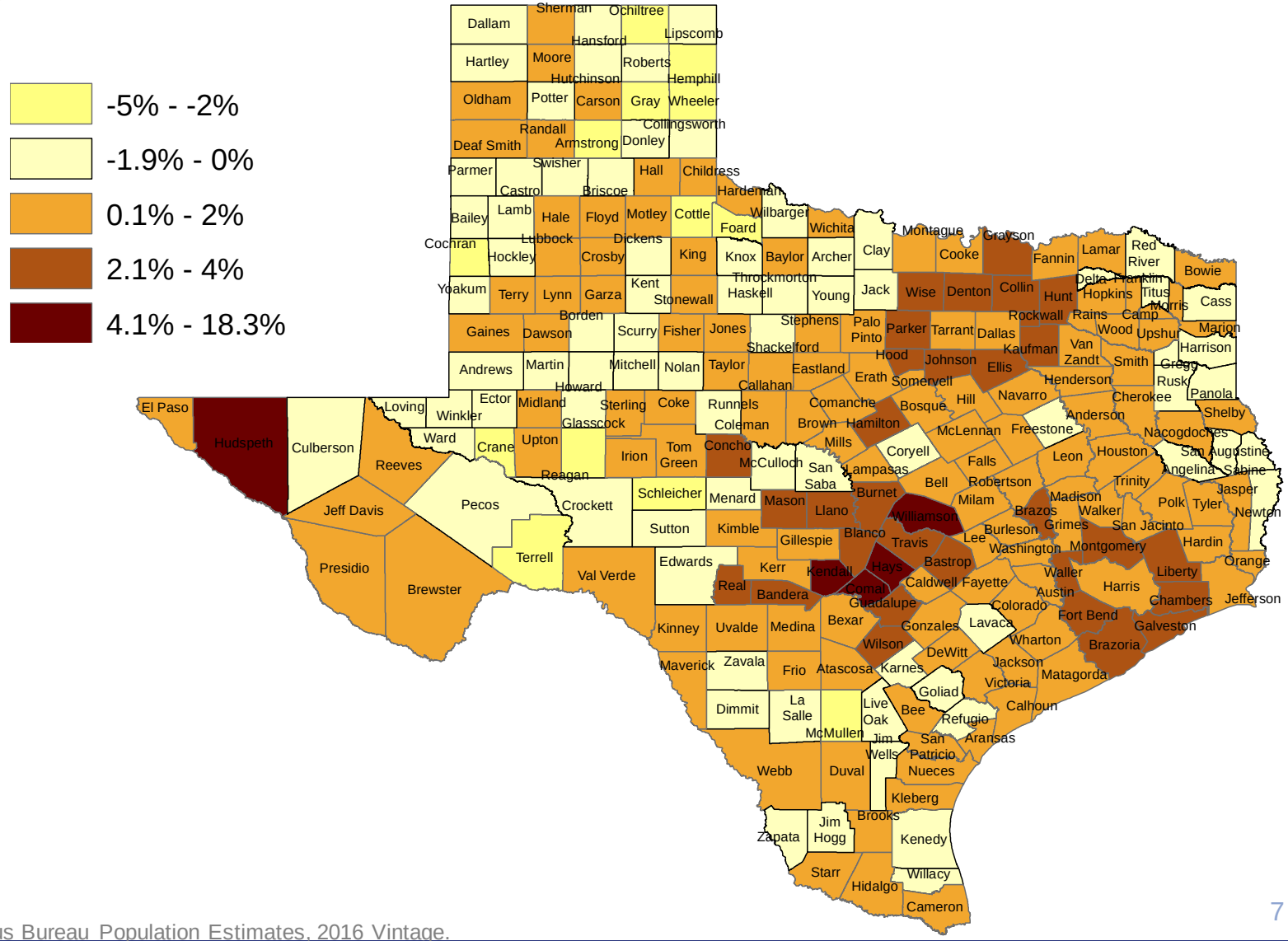
Source: U.S. Census Bureau Population Estimates, 2016 Vintage.

# Estimated Percent Change of the Total Population by County, Texas, 2010 to 2015



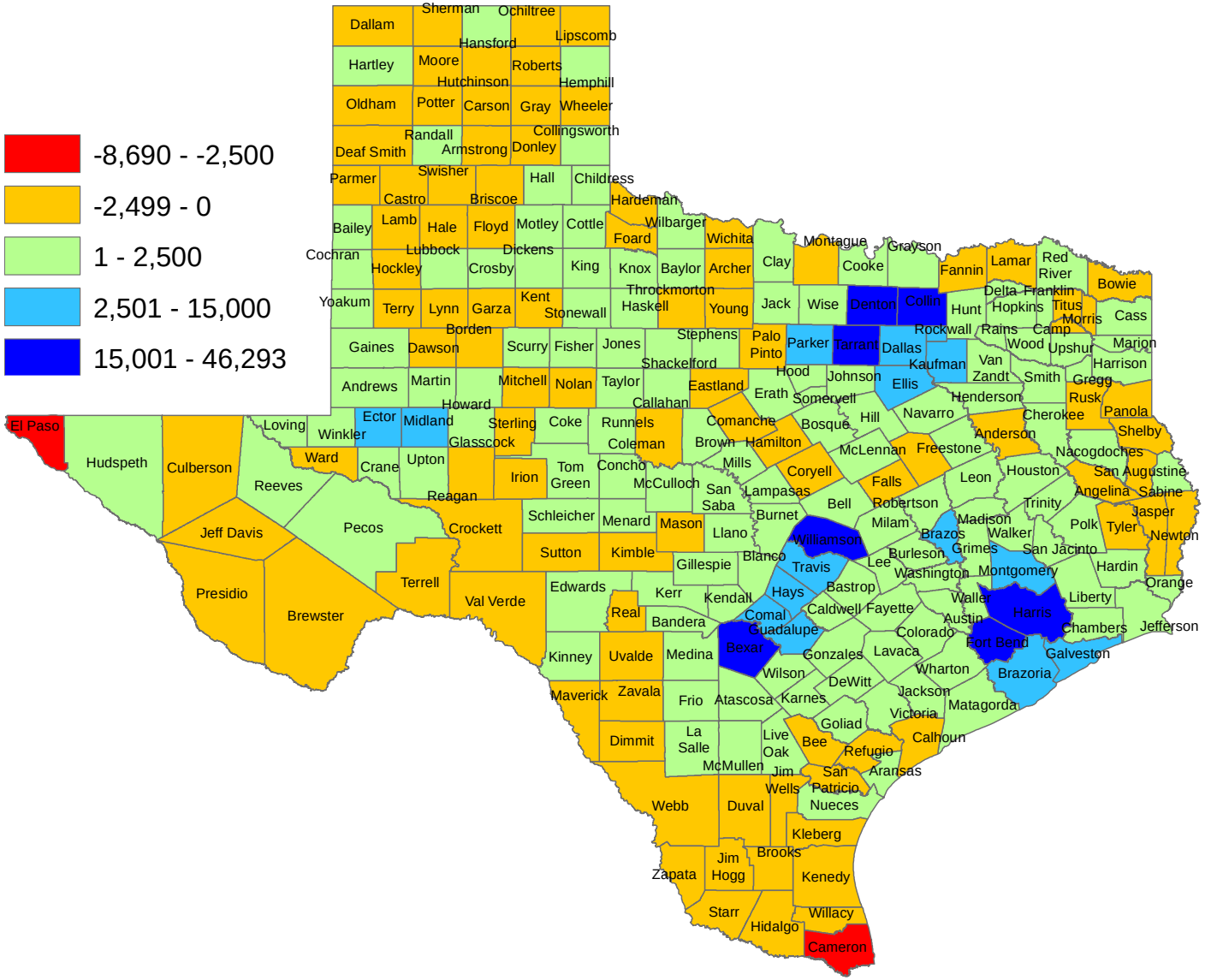

Source: U.S. Census Bureau Population Estimates, 2015 Vintage.

# Estimated Percent Change of the Total Population by County, Texas, 2015 to 2016



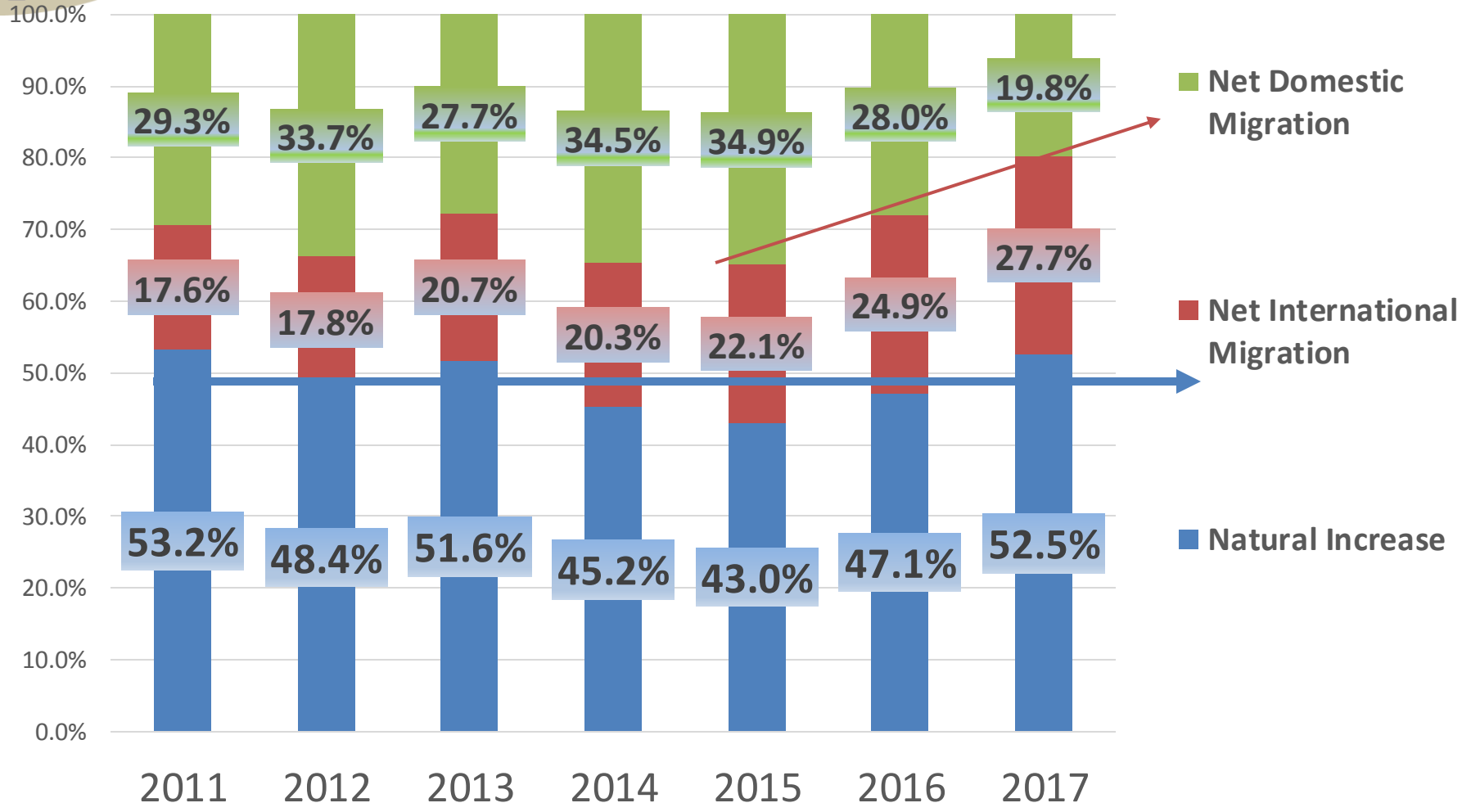

Source: U.S. Census Bureau, Population Estimates, 2016 Vintage.

# Estimated Net-Migrants by County, Texas, 2014-2015



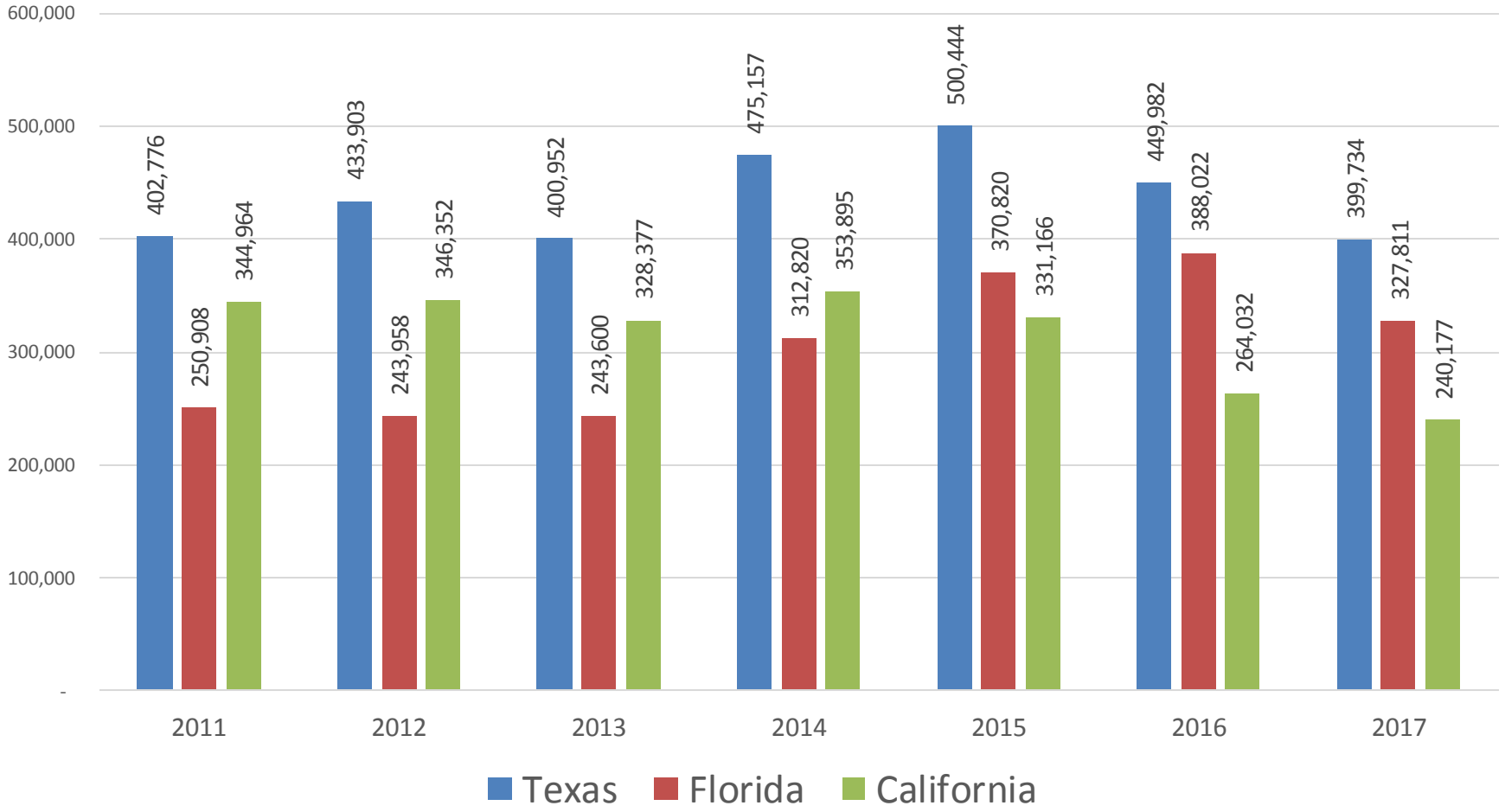

Source: U.S. Census Bureau, Population Estimates, 2015 Vintage.

# Estimates of percent components of population change, Texas, 2011-2017



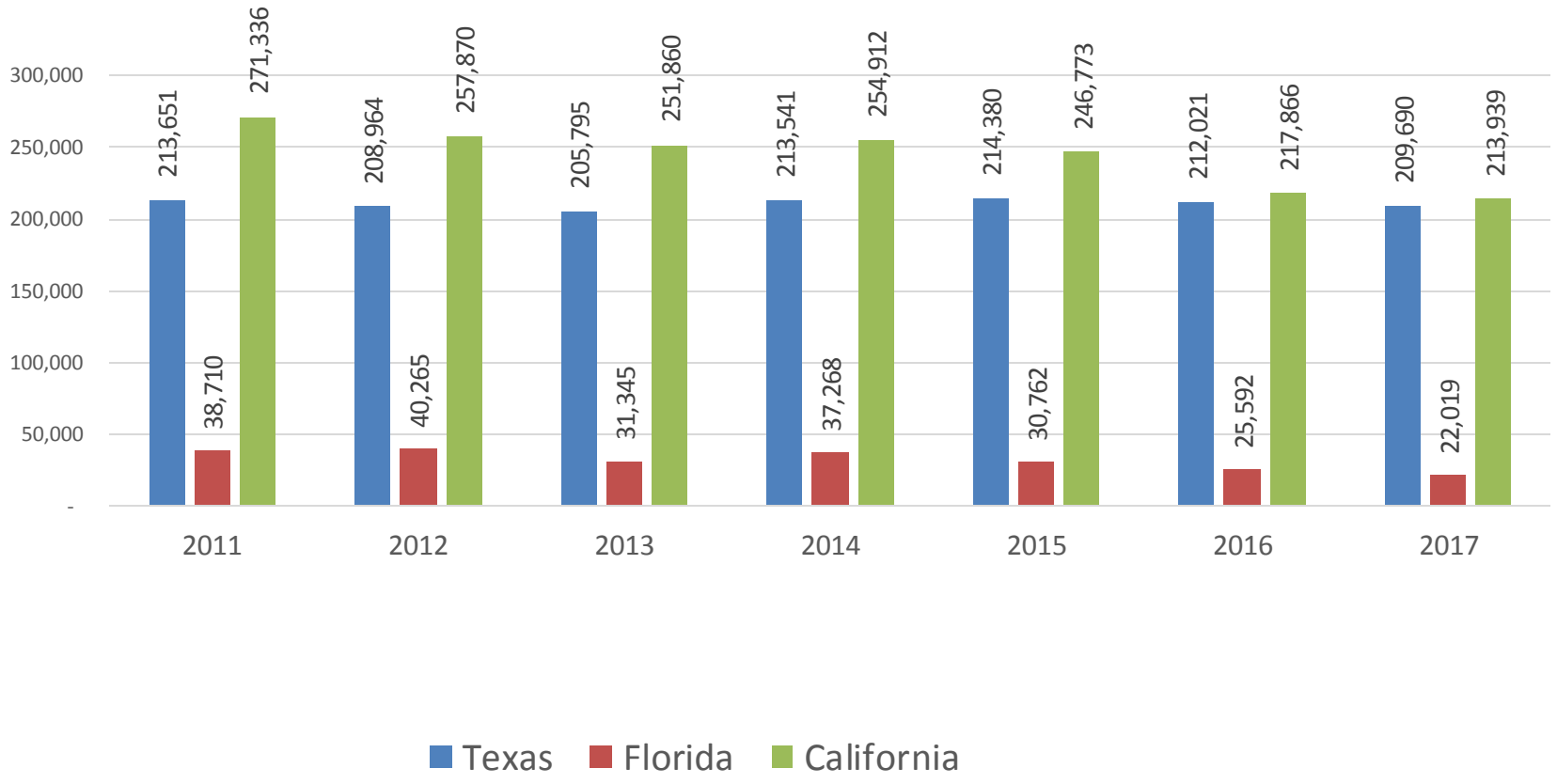

Source: U.S. Census Bureau, 2017 Vintage population estimates

# Population change, Texas, Florida, and California, 2011-2017



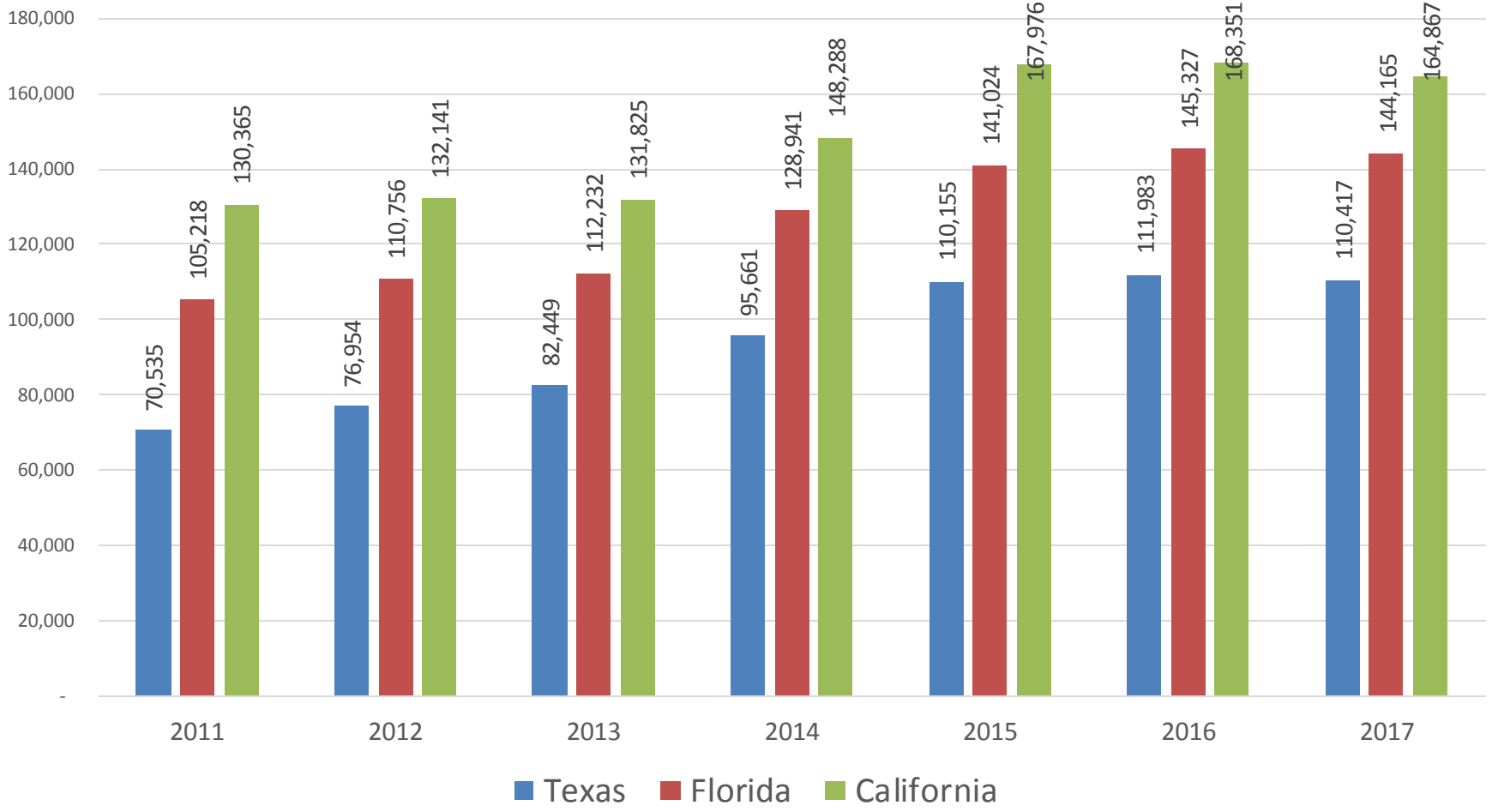

Source: U.S. Census Bureau, 2017 Vintage Population Estimates

# Natural increase, Texas, Florida, California, 2011-2017



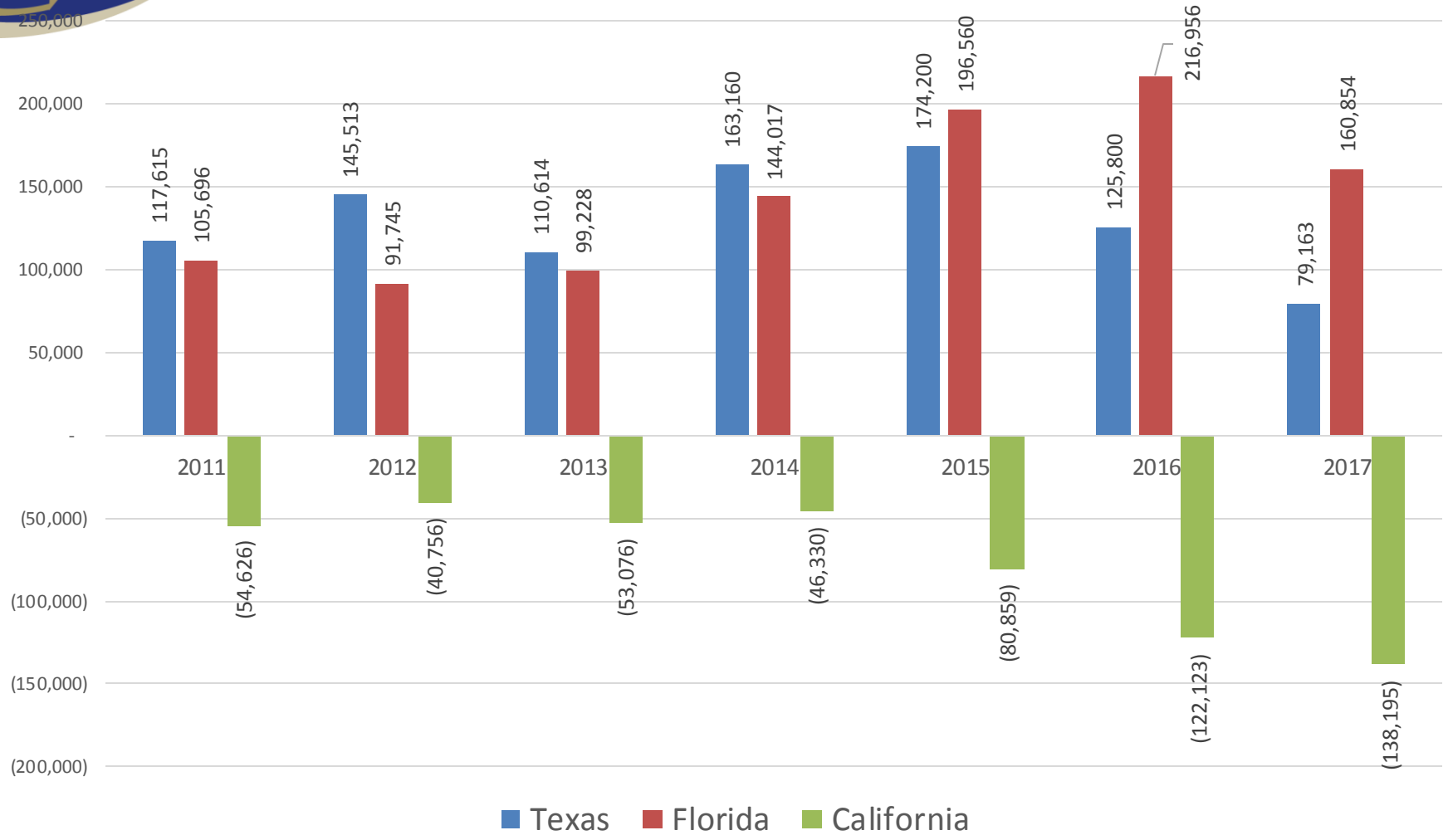

Source: U.S. Census Bureau, 2017 Vintage Population Estimates

# International net-migration, Texas, Florida, California, 2011-2017




Source: U.S. Census Bureau, 2017 Vintage Population Estimates

# Domestic net-migration, Texas, Florida, California, 2011-2017




Source: U.S. Census Bureau, 2017 Vintage Population Estimates

# Top Counties for Numeric Growth in Texas, 2015-2016

| County | U.S. Rank Population Change | Population Change | Percent of Change from Natural Increase | Percent Change from Domestic Migration | Percent Change from International Migration |
|---|---|---|---|---|---|
| Harris | 2 | 56,587 | 79.9% | -27.9% | 48.1% |
| Tarrant | 5 | 35,462 | 44.4% | 37.7% | 17.9% |
| Bexar | 7 | 33,198 | 44.6% | 39.3% | 16.1% |
| Dallas | 9 | 29,209 | 79.9% | -20.9% | 41.0% |
| Denton | 11 | 27,689 | 23.9% | 67.1% | 9.0% |
| Fort Bend | 13 | 27,388 | 24.8% | 59.4% | 15.8% |
| Collin | 14 | 26,506 | 25.8% | 58.7% | 15.5% |
| Travis | 17 | 24,505 | 44.2% | 33.3% | 22.5% |
| Williamson | 22 | 20,659 | 20.3% | 74.1% | 5.6% |
| Montgomery | 24 | 19,769 | 18.5% | 73.5% | 8.0% |
| Hidalgo* | 54 | 10,529 | 113.5% | -33.4% | 19.9% |

Hidalgo County had negative net migration (-13.5% of total population growth).

Source: U.S. Census Bureau, 2016 Vintage Population Estimates

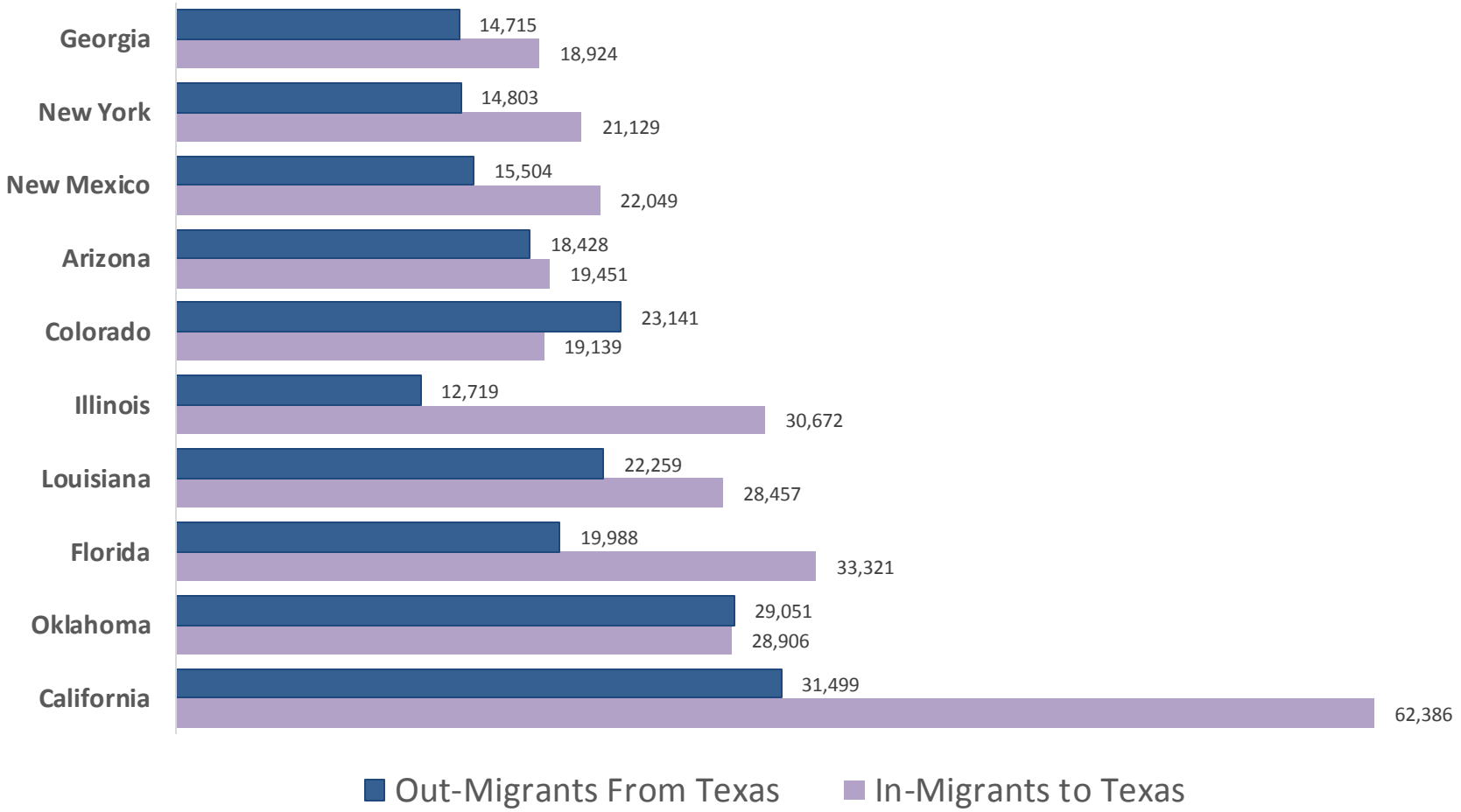
# Top Counties for Percent Growth* in Texas, 2015-2016

| County | U.S. Rank | 2015-2016 Percent Population Change | Percent Change from Domestic Migration | Percent Change from International Migration |
|---|---|---|---|---|
| Kendall | 2 | 5.2% | 95.9% | 4.0% |
| Hays | 3 | 5.1% | 82.2% | 1.8% |
| Comal | 6 | 4.4% | 88.5% | 2.0% |
| Williamson | 14 | 4.1% | 74.1% | 5.6% |
| Fort Bend | 18 | 3.8% | 59.4% | 15.8% |
| Montgomery | 24 | 3.7% | 73.5% | 8.0% |
| Rockwall | 25 | 3.6% | 82.2% | 2.5% |
| Denton | 28 | 3.6% | 67.1% | 9.0% |
| Kaufman | 36 | 3.4% | 81.3% | 2.2% |
| Bastrop | 42 | 3.1% | 83.5% | 0.7% |
| Ellis | 50 | 3.1% | 78.1% | 2.6% |

*Among Counties with 10,000 or more population in 2016

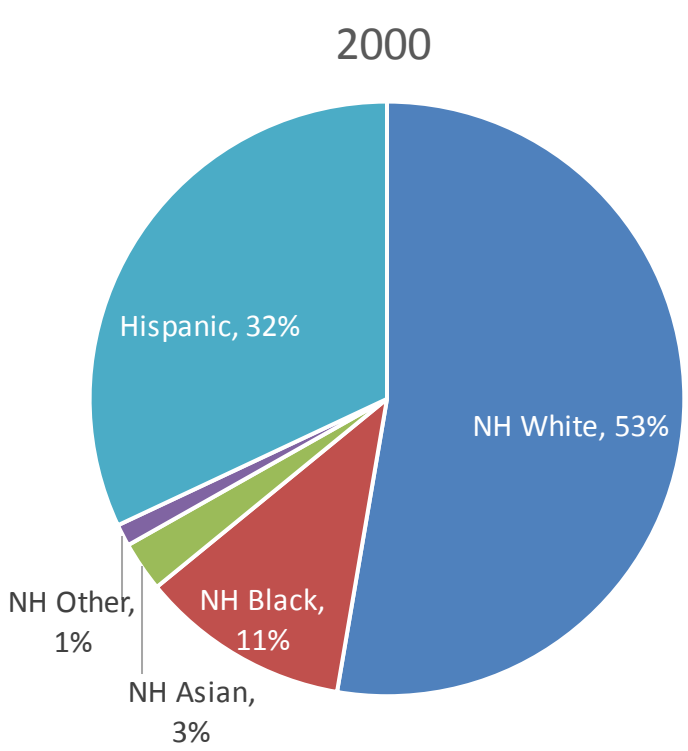
Source: U.S. Census Bureau, 2016 Vintage Population Estimates

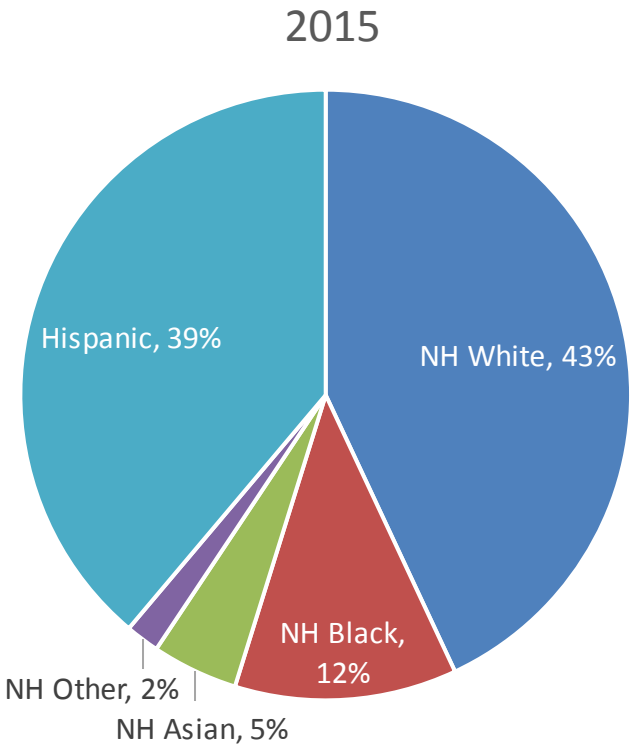
# Top 10 Gross Migration States for Domestic Migration to Texas, 2013




*U.S. Census Bureau ACS 1-Year PUMS,2013*

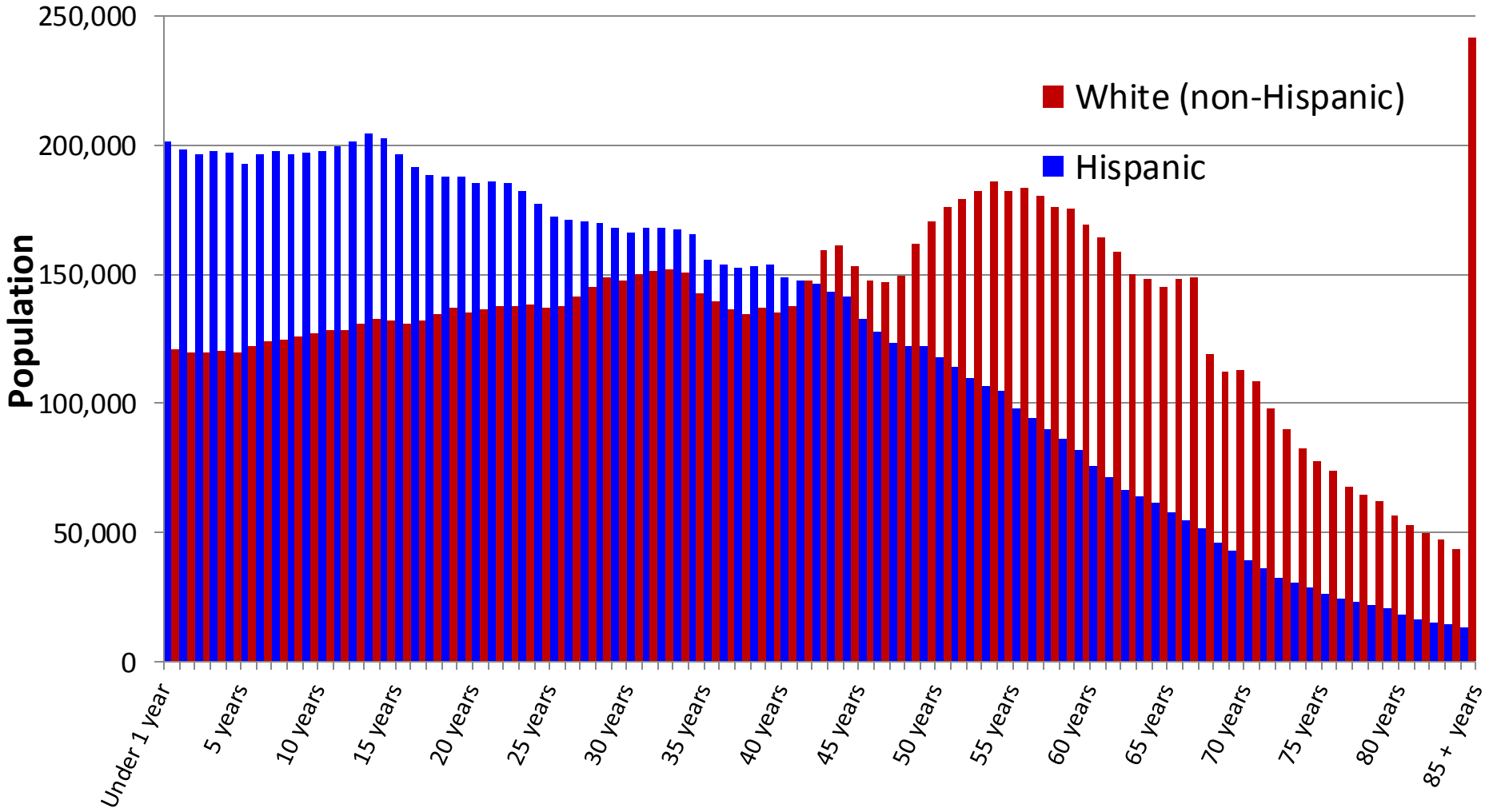
# Texas Racial and Ethnic Composition, 2000 and 2015



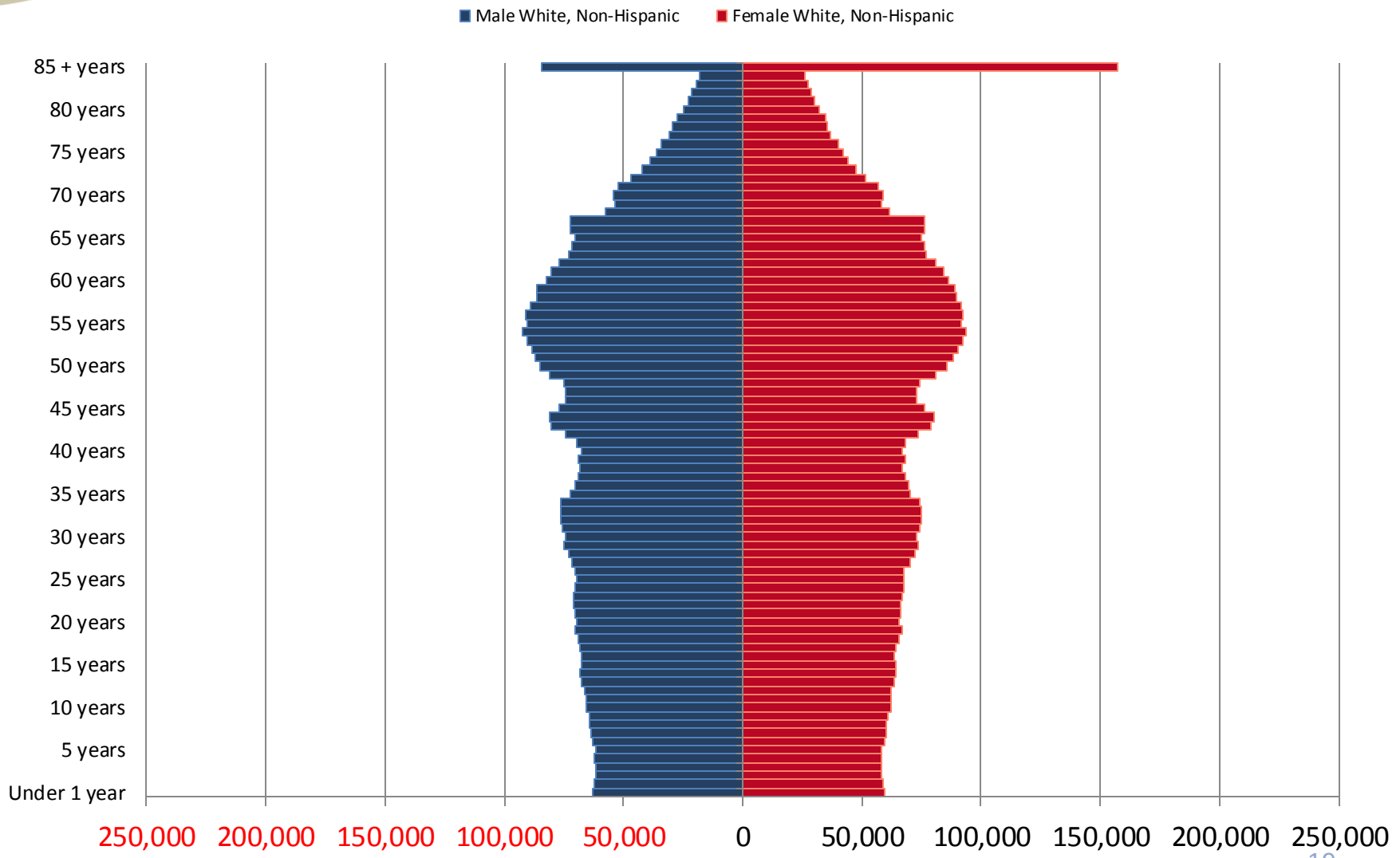

Source: U.S. Census Bureau. 2000, 2010 Decennial Census and 2015 Population Estimates

# Texas White (non-Hispanic) and Hispanic Populations by Age, 2014




Source: U.S. Census Bureau 2010 Decennial Census, SF1

# Texas Population Pyramid by Race/Ethnicity, 2014




Source: Texas Demographic Center, 2014 Population Estimates

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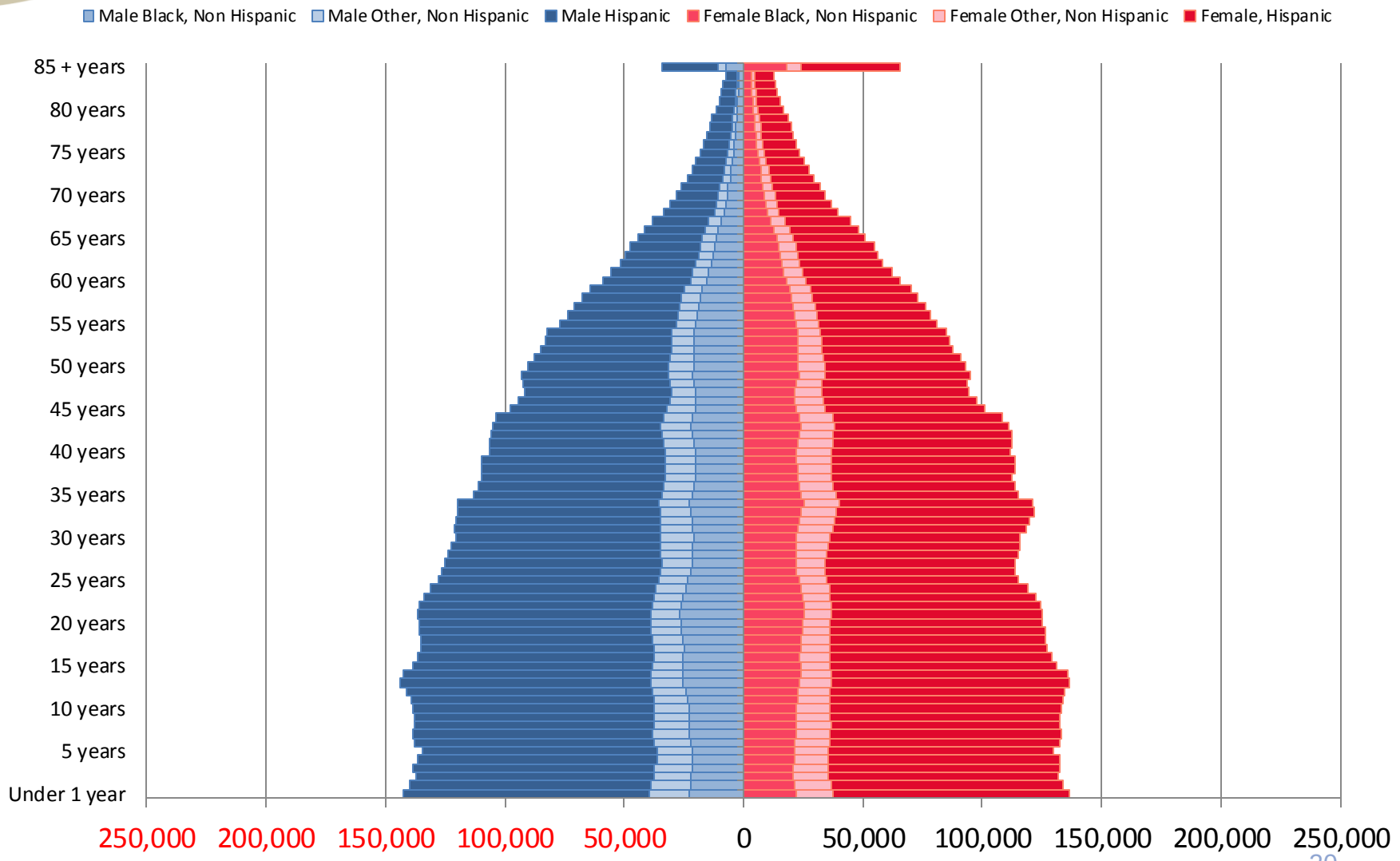


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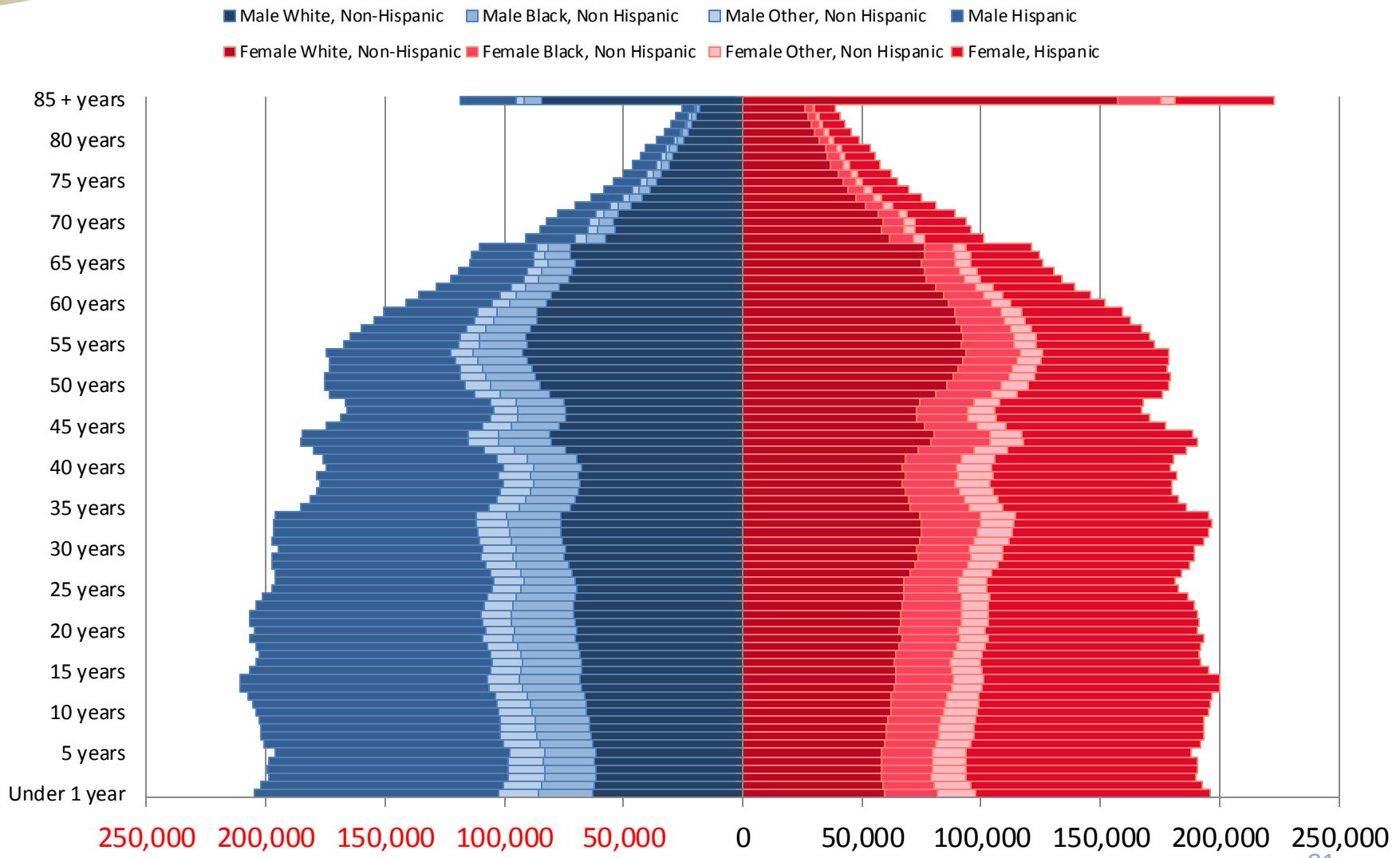
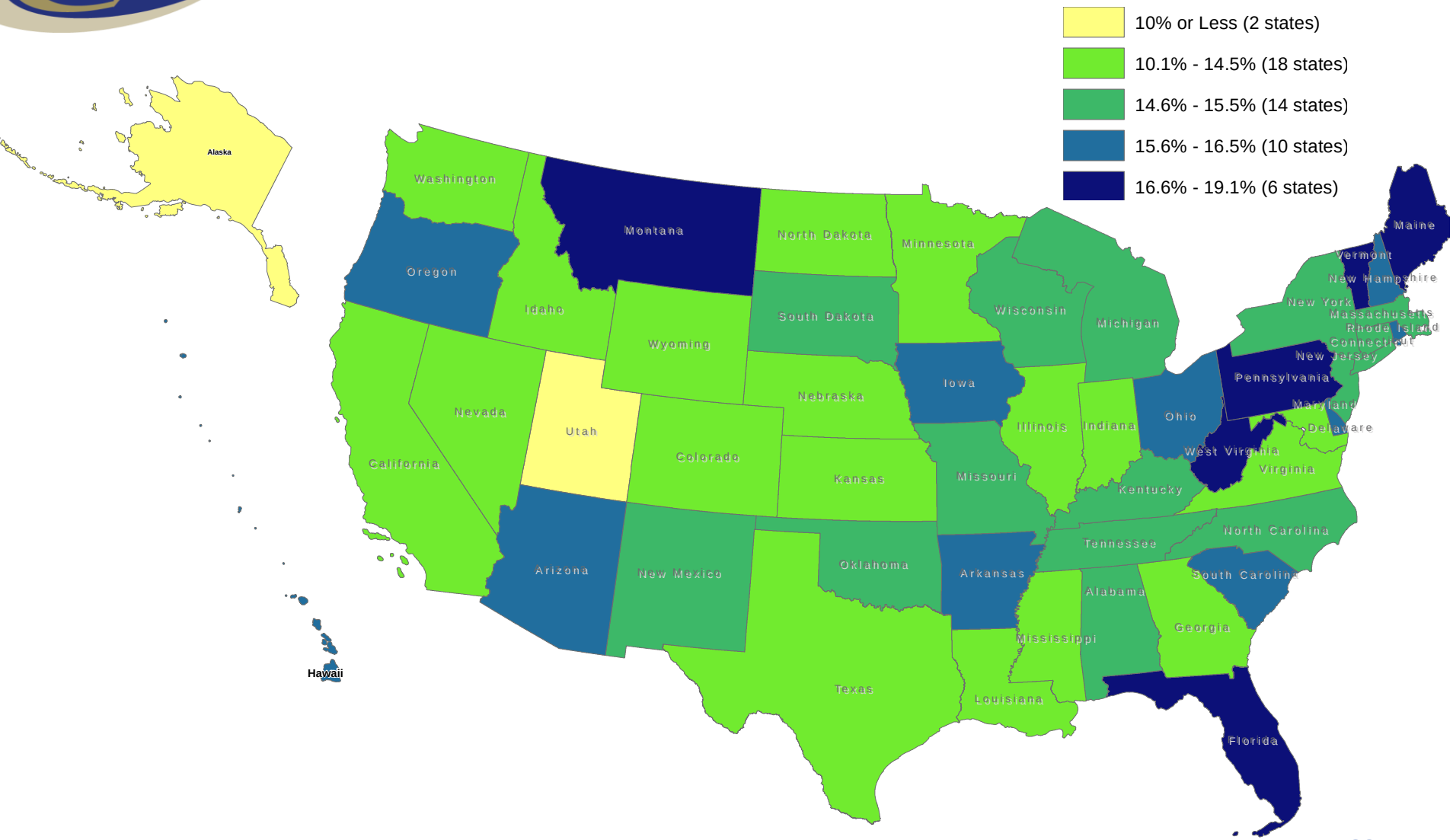


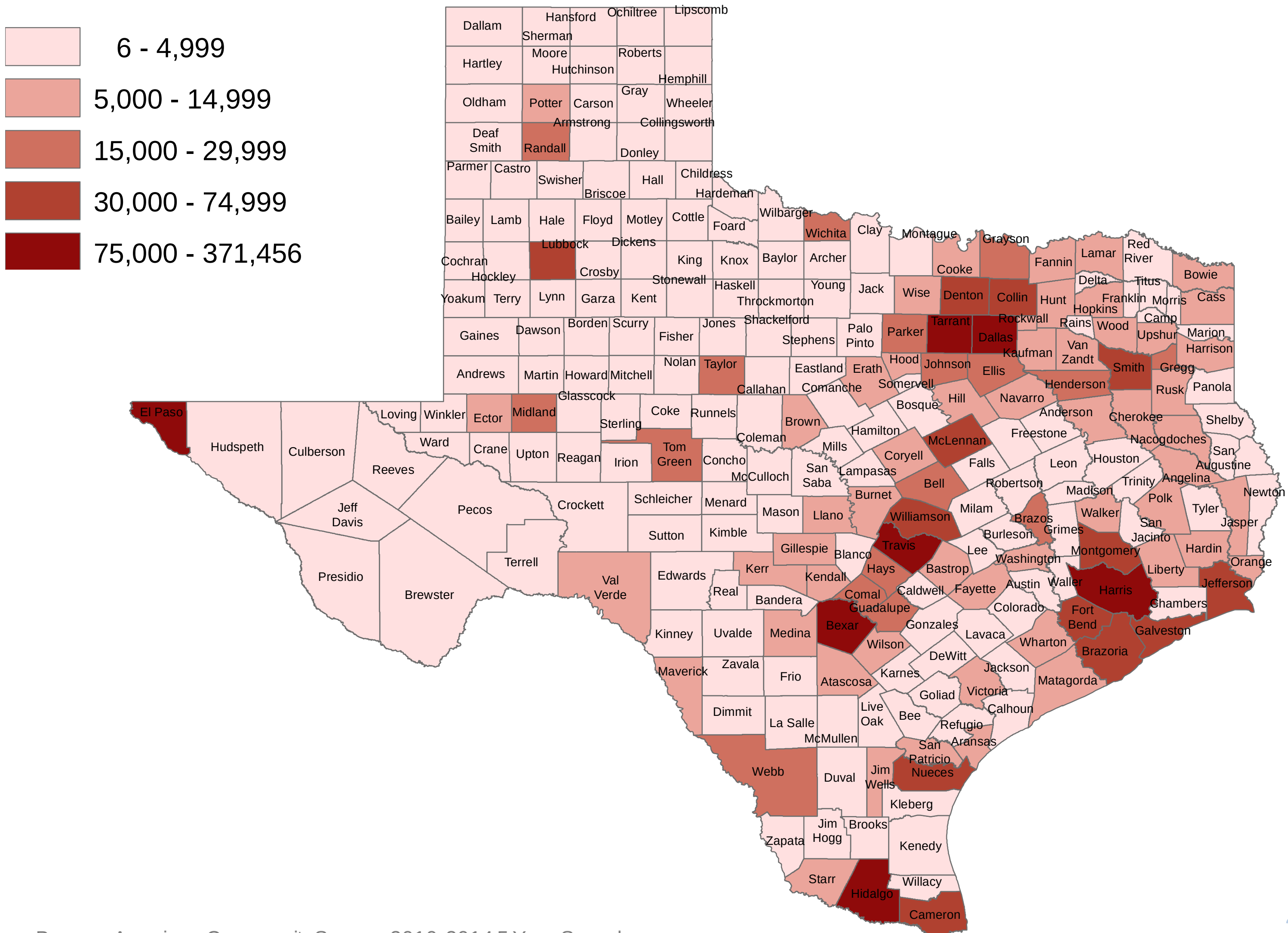

Source: Texas Demographic Center, 2014 Population Estimates

# Percent of the Population Aged 65 Years and Older by State, 2010-2014



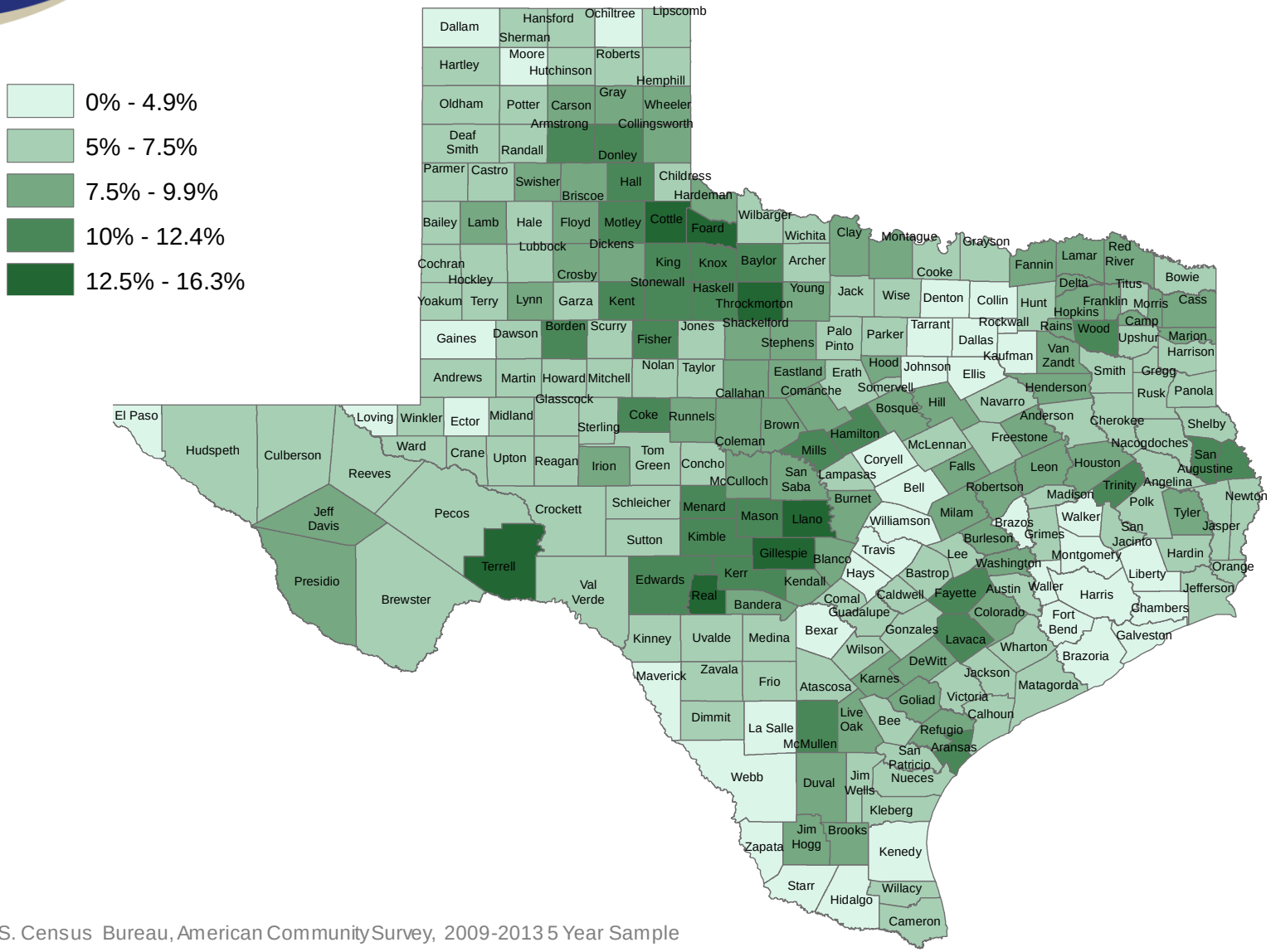

Source: U.S. Census Bureau, American Community Survey, 5 Year Sample 2010-2014

# Estimated number of persons aged 65 years and older, Texas Counties, 2010-2014



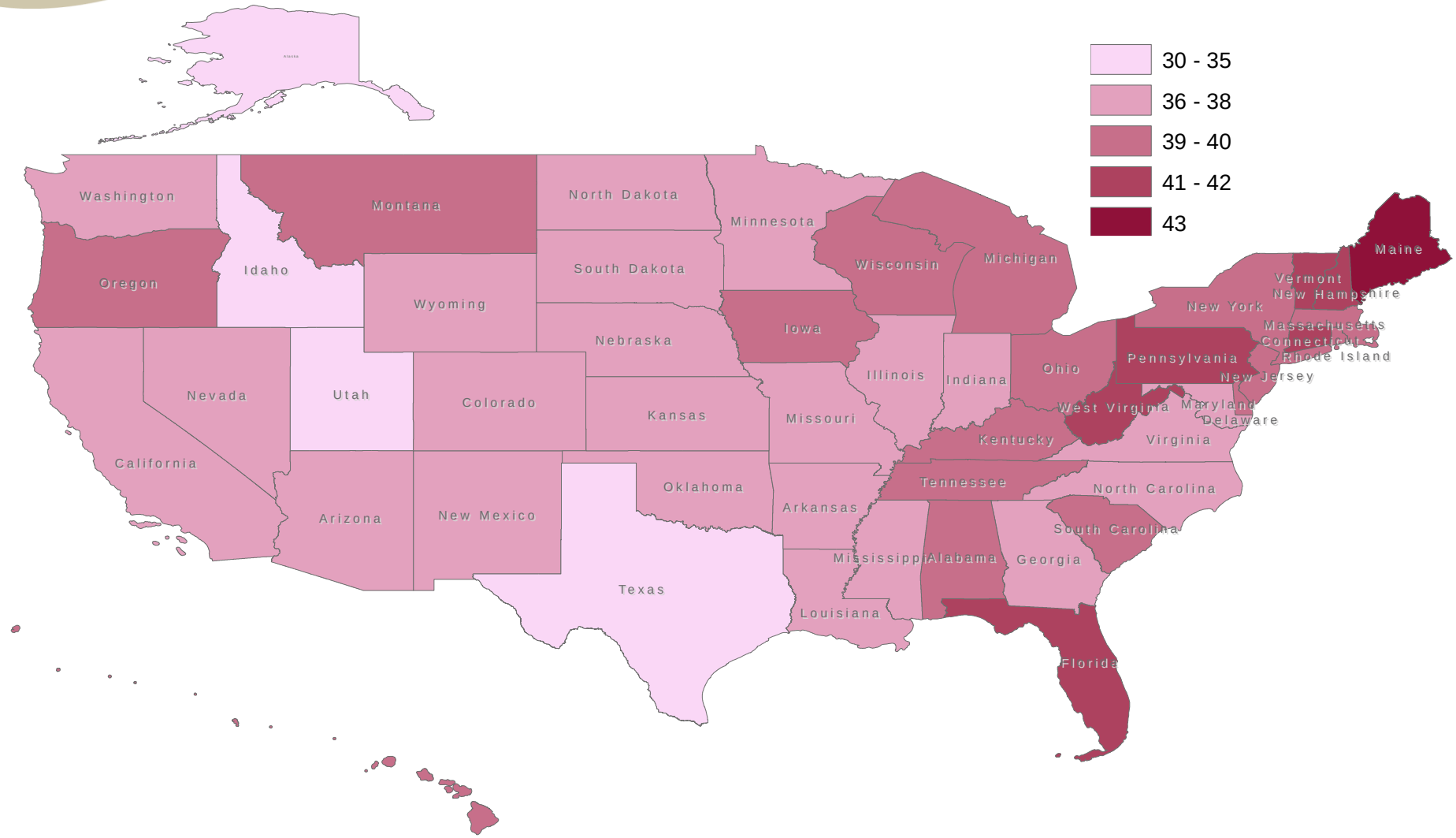

Source: U.S. Census Bureau, American Community Survey, 2010-2014 5 Year Sample

# Percent of the population aged 75 years and older, Texas Counties, 2009-2013



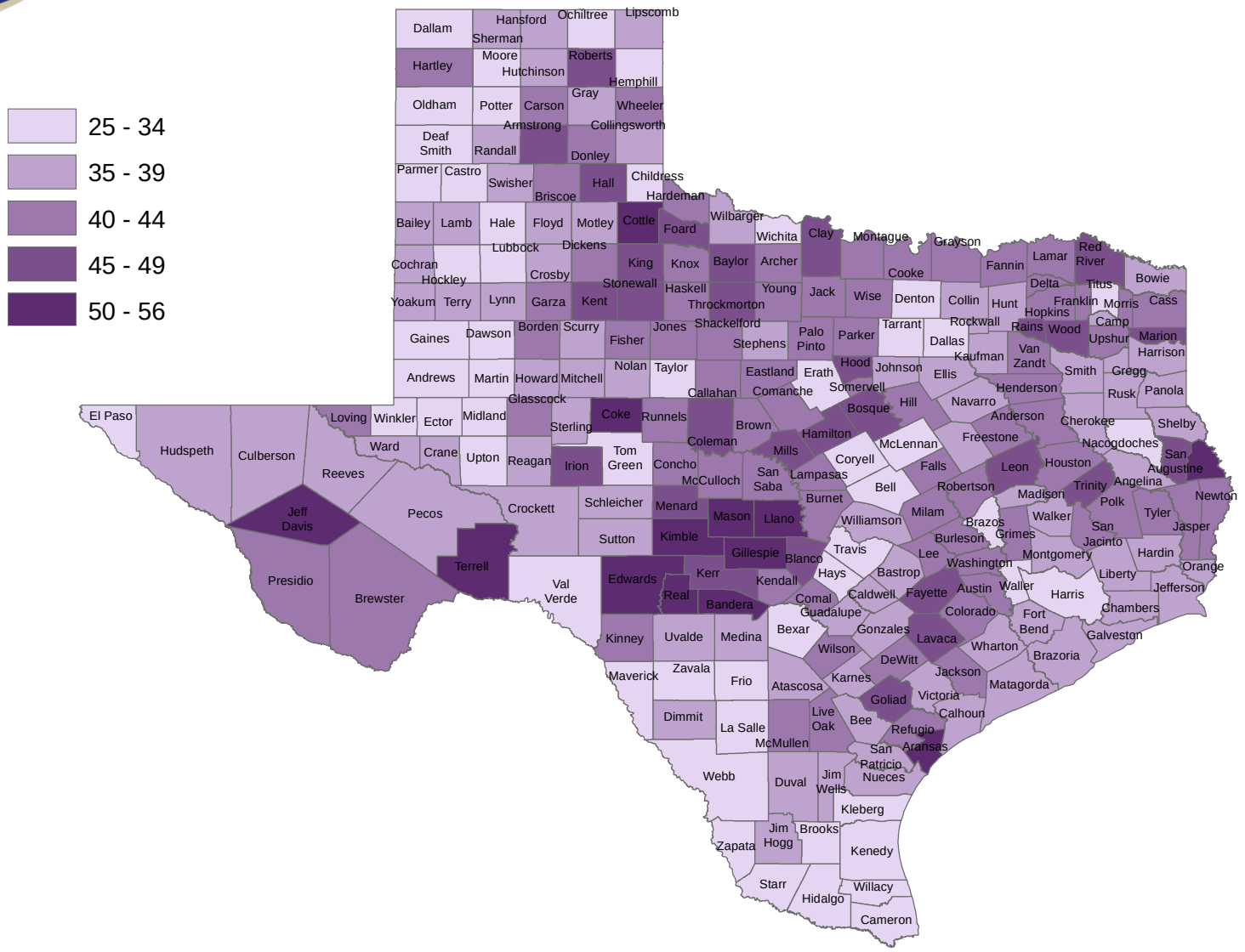

Source: U.S. Census Bureau, American Community Survey, 2009-2013 5 Year Sample

# Median Age by State, 2008-2013




Source: U.S. Census Bureau, American Community Survey, 5 Year Sample 2009-2013.

# Median Age, Texas Counties, 2010-2014

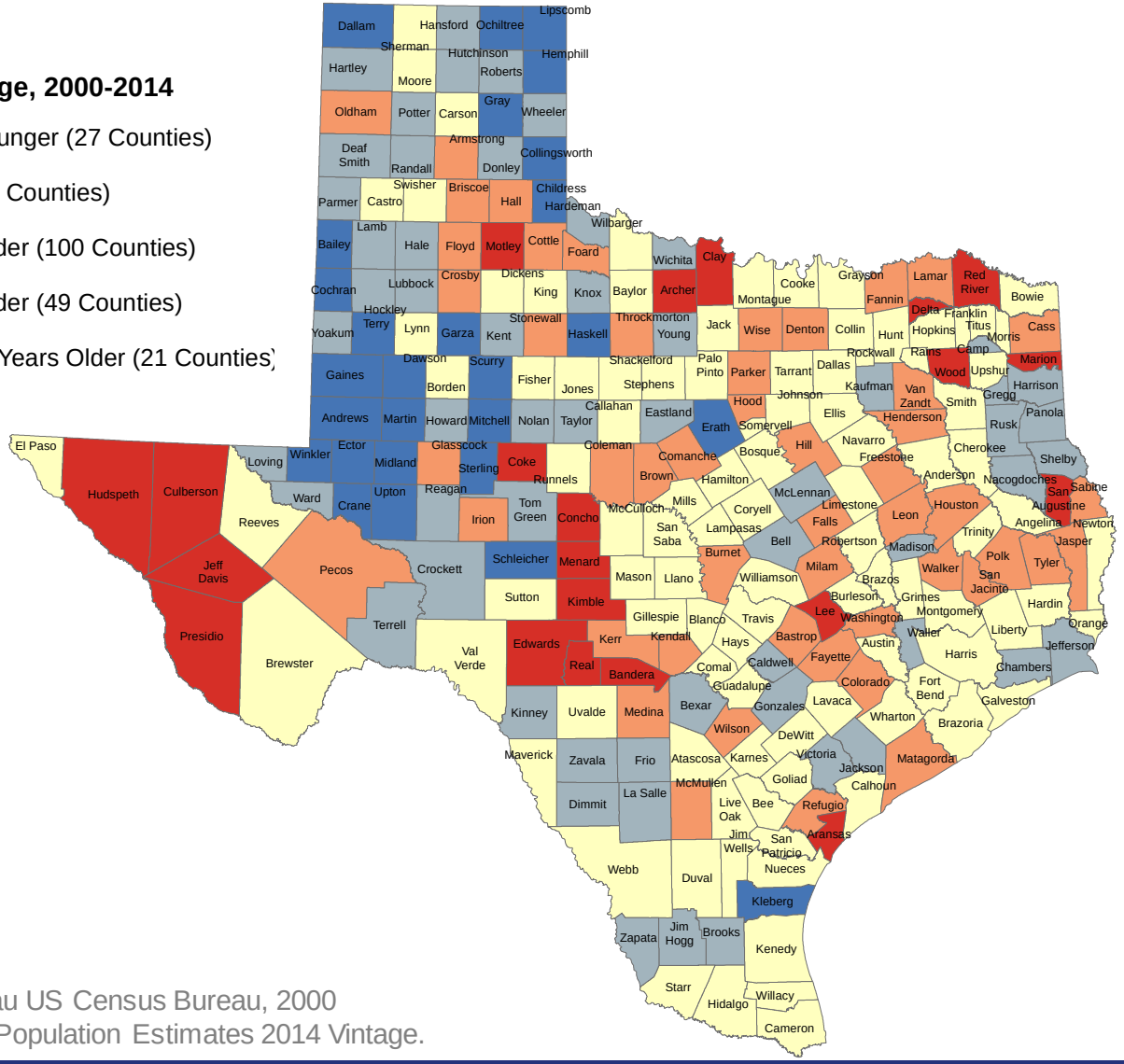



Source: U.S. Census Bureau, American Community Survey, 2010-2014 5 Year Sample

# Change in Median Age, Texas Counties, 2000-2014

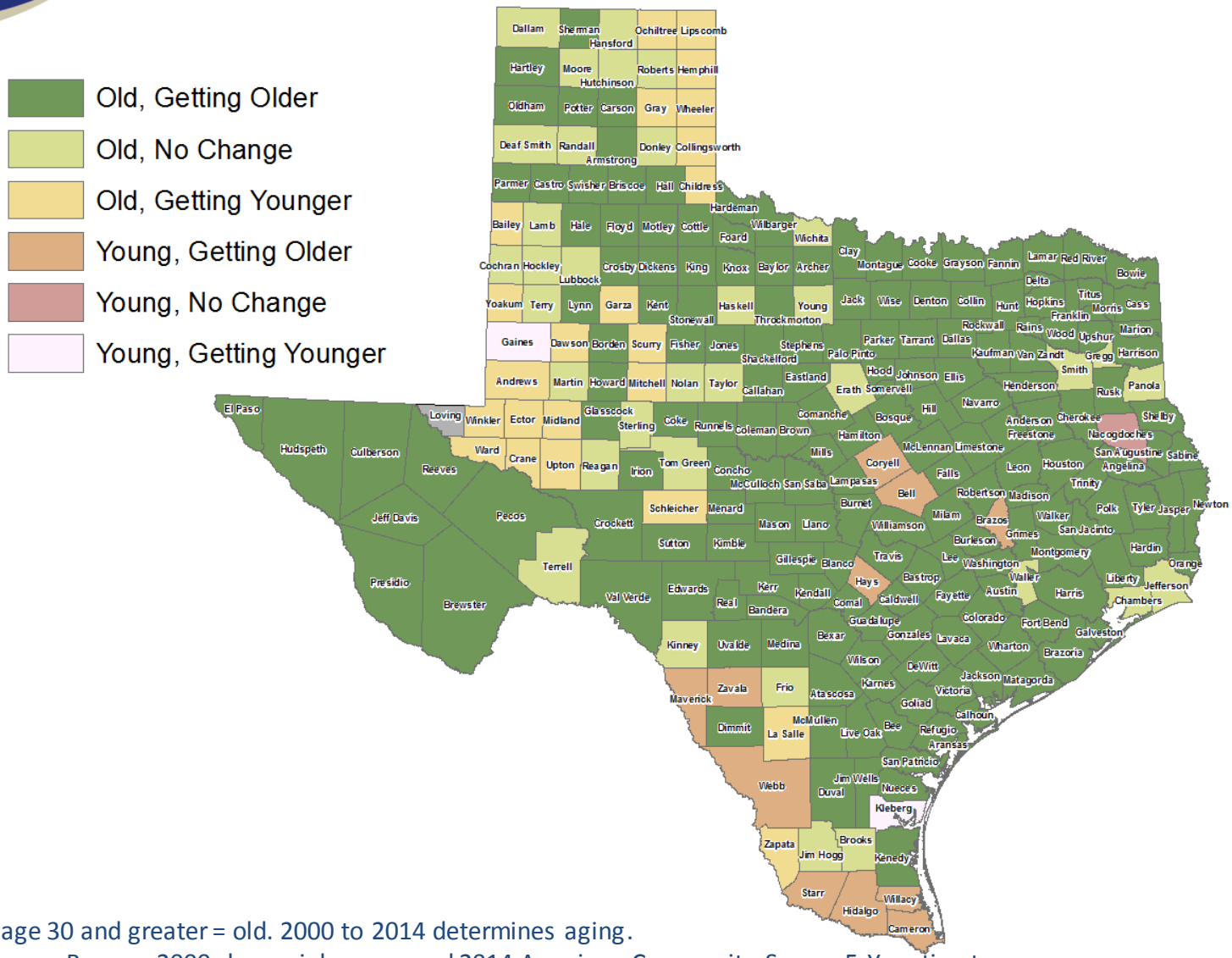
**Change in Median Age, 2000-2014**

- 1 to 5 Years Younger (27 Counties)
- No Change (57 Counties)
- 2 to 3 Years Older (100 Counties)
- 4 to 5 Years Older (49 Counties)
- Greater than 5 Years Older (21 Counties)




Source: US Census Bureau US Census Bureau, 2000 Decennial Census, SF-1, Population Estimates 2014 Vintage.

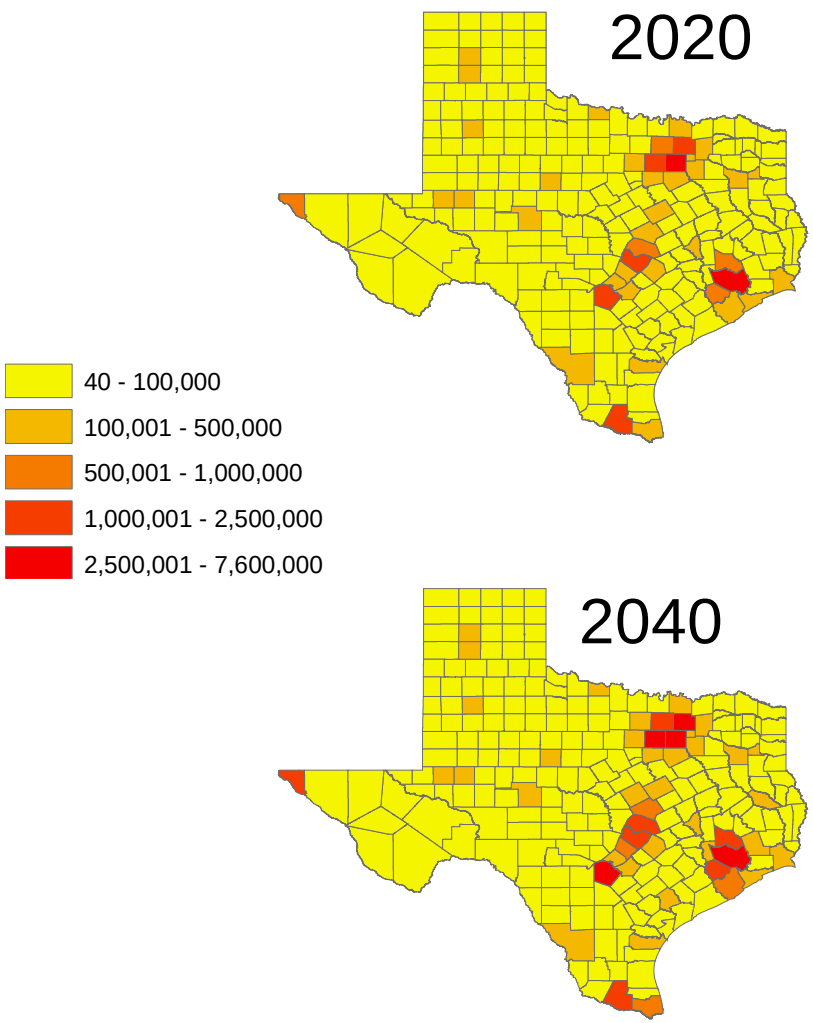
# Trends in Aging* by County, Texas, 2000-2014




*2000 median age 30 and greater = old. 2000 to 2014 determines aging.

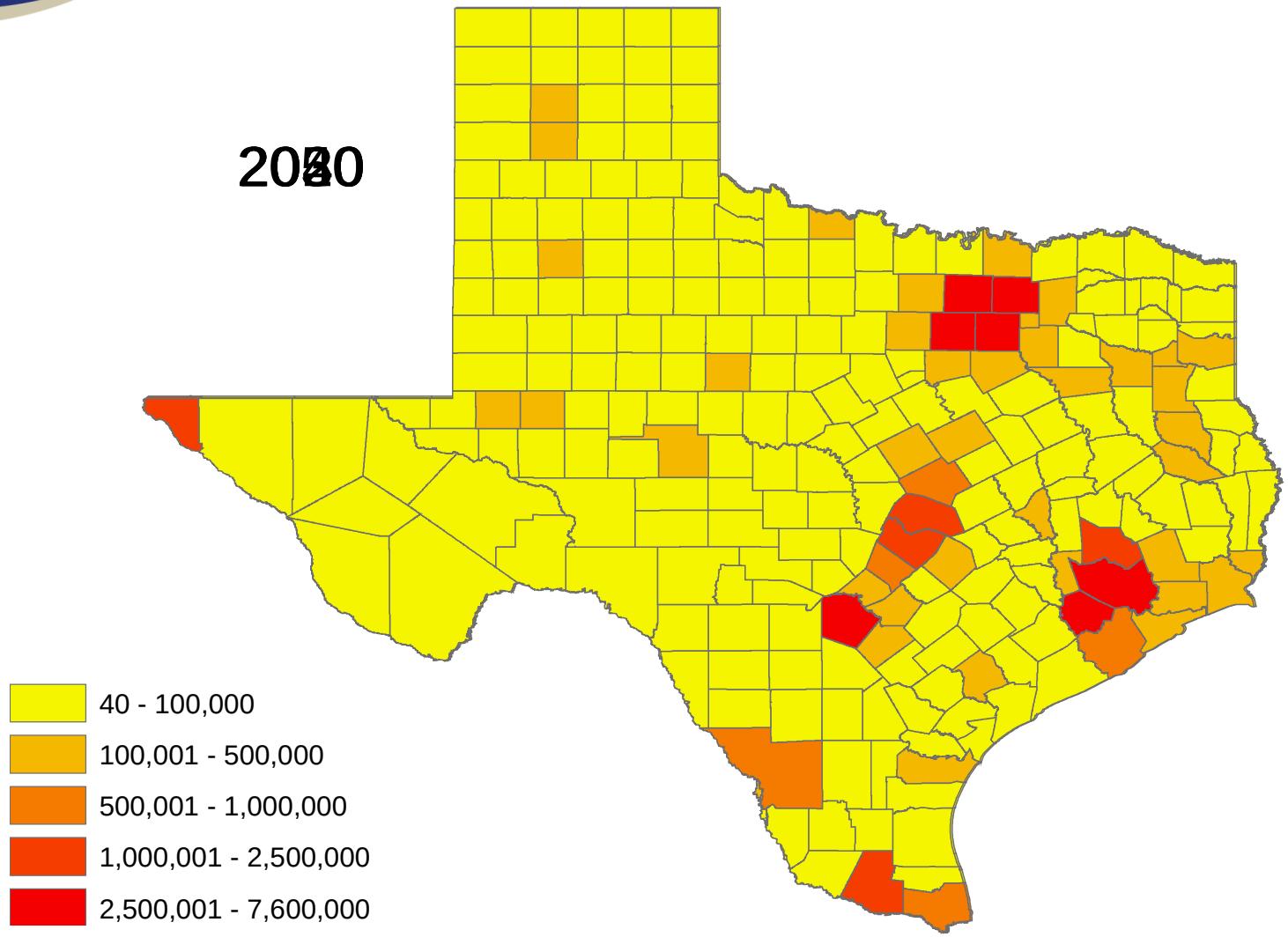
Source: U.S. Census Bureau, 2000 decennial census and 2014 American Community Survey 5-Yr estimates.

# Projected Population, Counties, Texas, 2020-2050



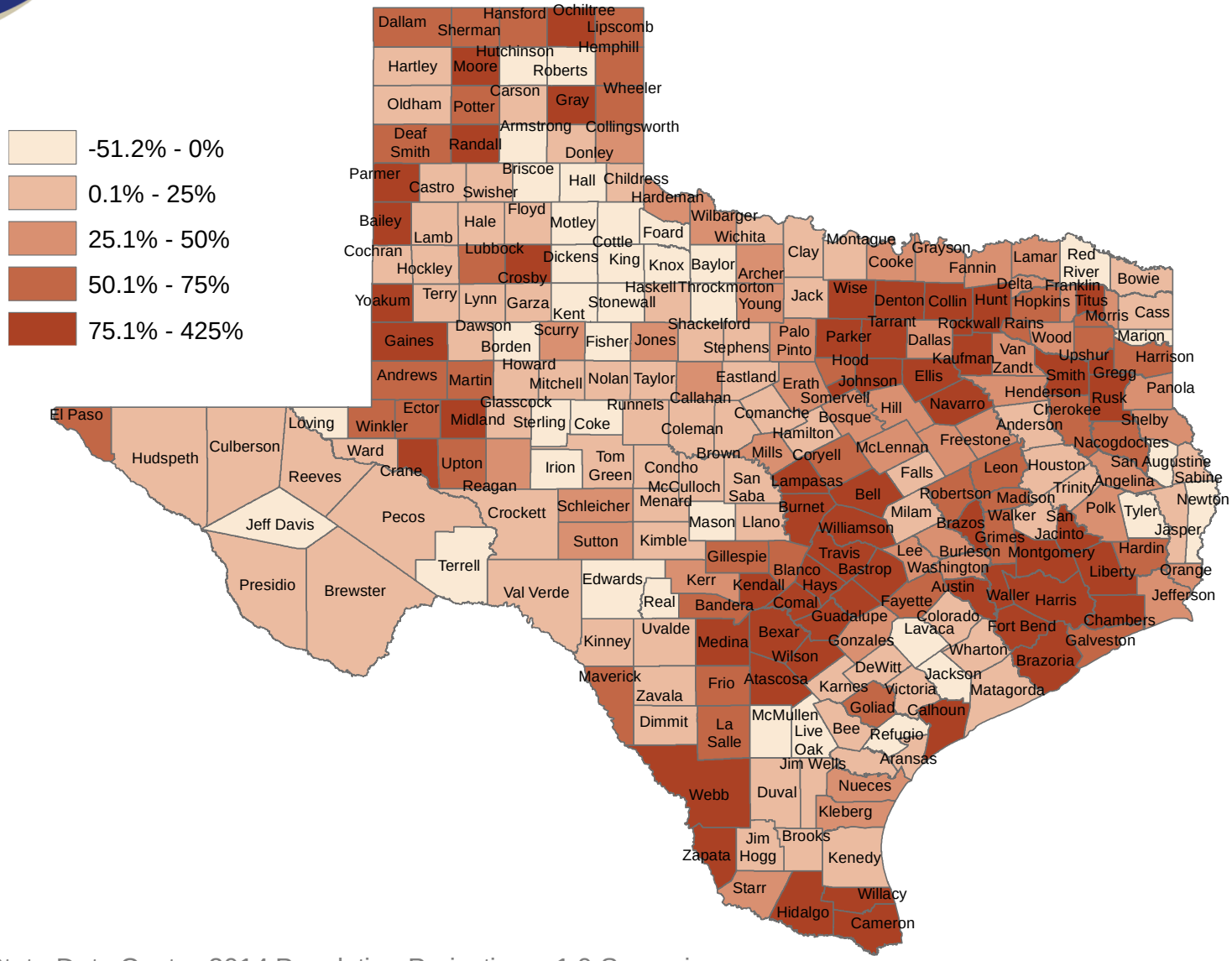

Source: Texas State Data Center 2014 Population Projections, 1.0 Scenario

# Projected Population, Counties, Texas, 2020-2050



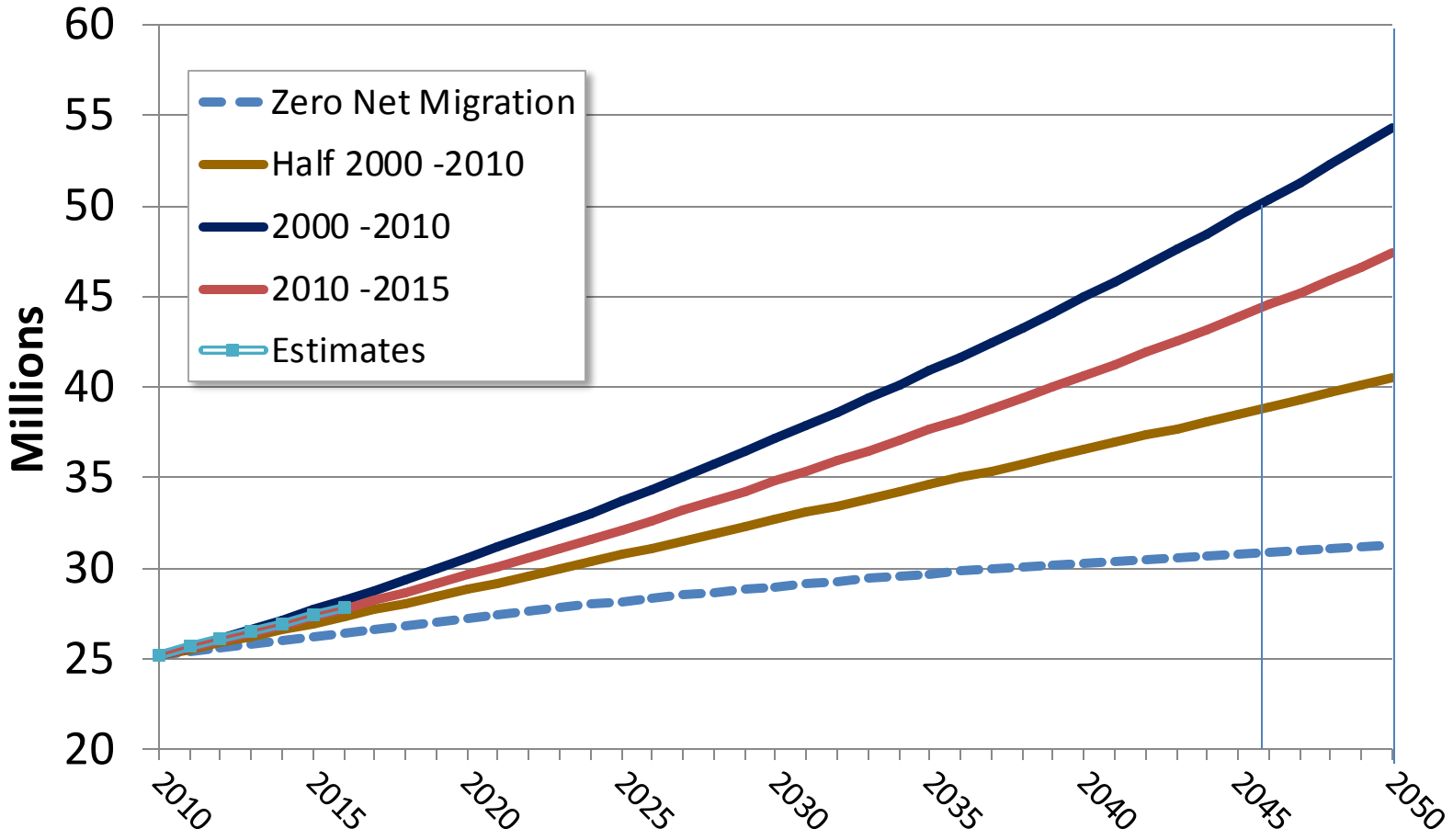

Source: Texas State Data Center 2014 Population Projections, 1.0 Scenario

# Projected Percent Change in Population 2010-2050



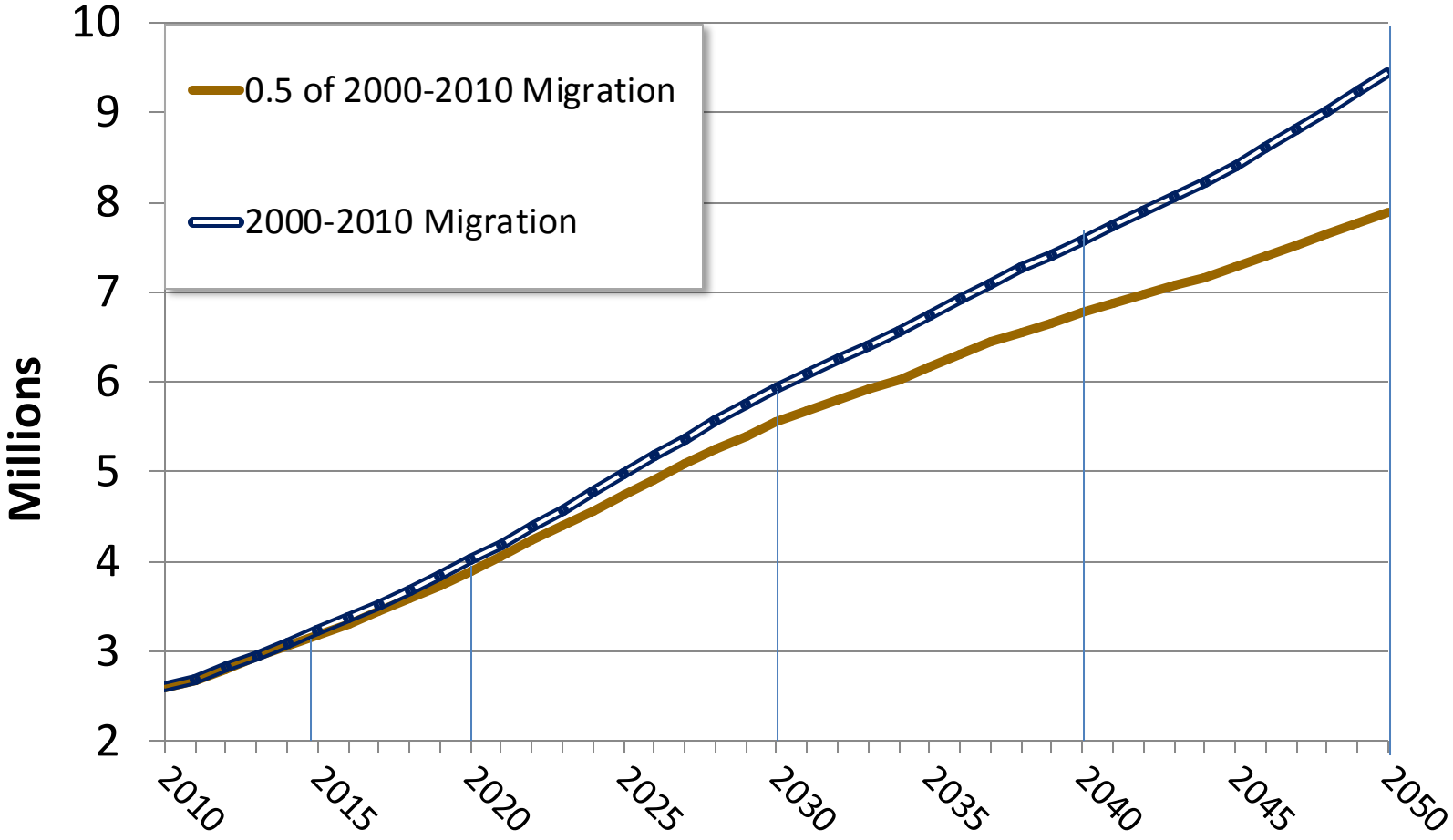

Source: Texas State Data Center 2014 Population Projections, 1.0 Scenario

# Projected Population Growth in Texas, 2010-2050



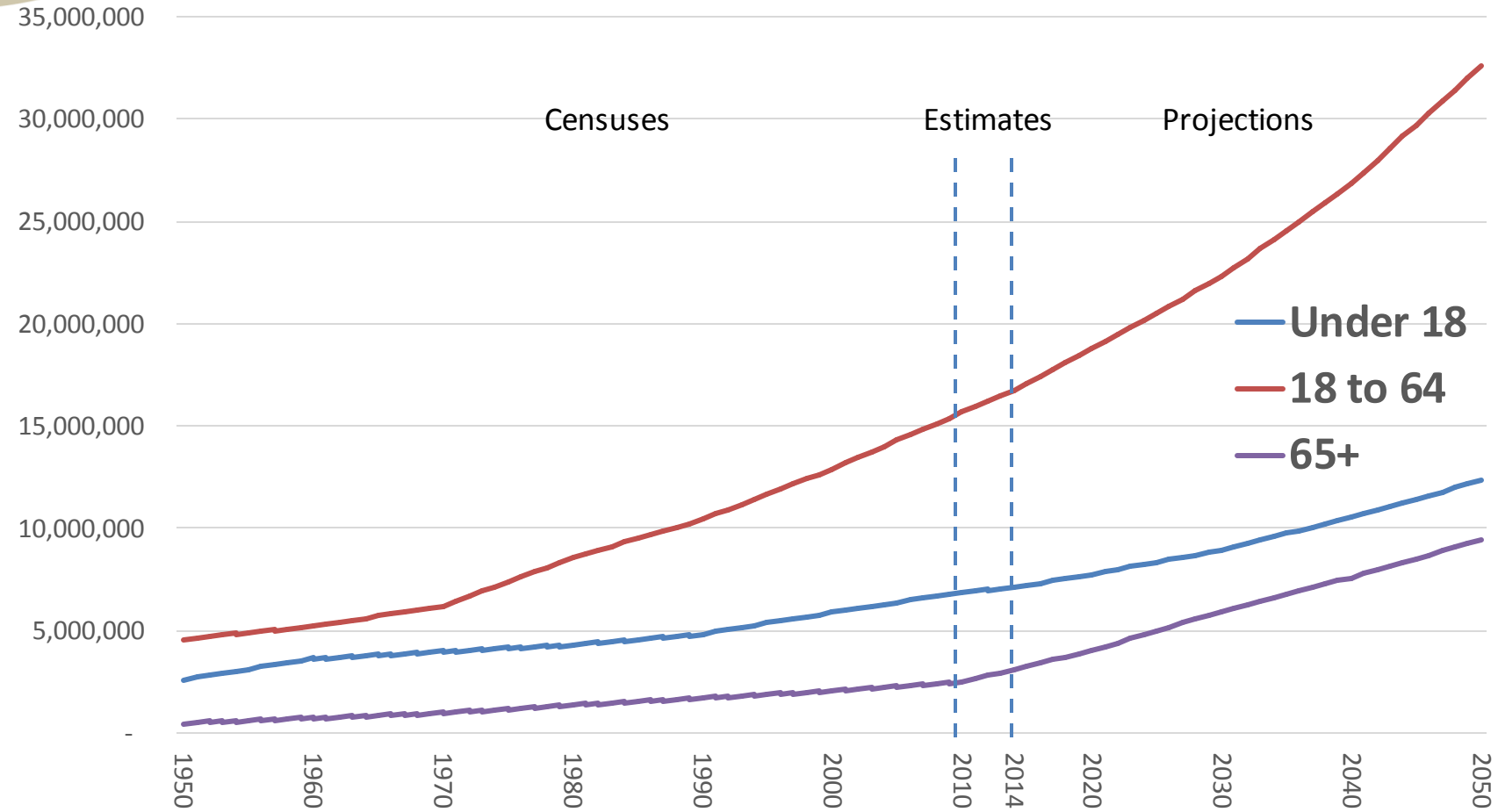

Source: Texas State Data Center 2016 Population Projections

# Projected Growth of Population Aged 65 Years and Older in Texas, 2010-2050



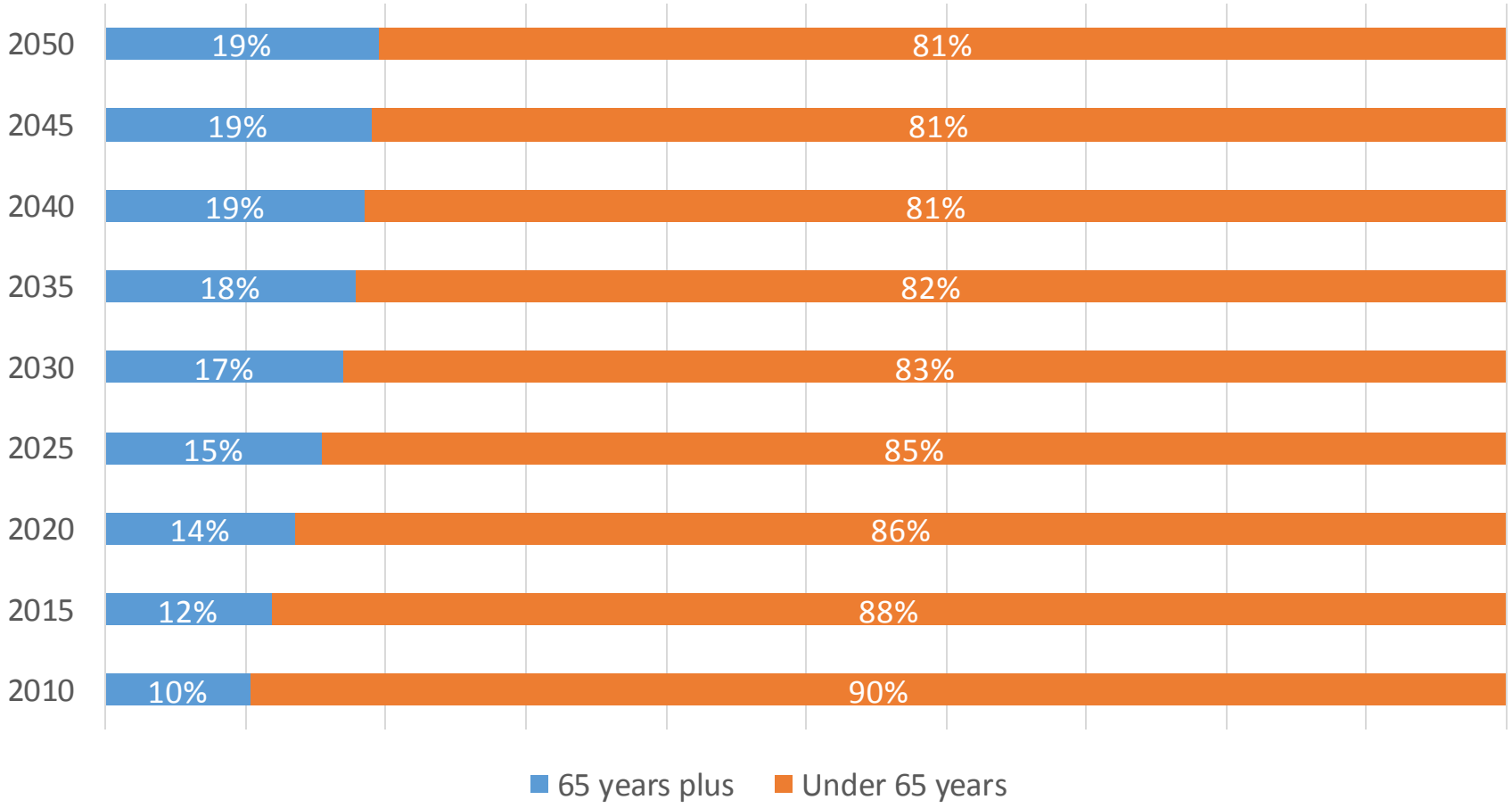

Source: Texas State Data Center 2014 Population Projections

# Population Change by Age Group, Texas, 1950-2050



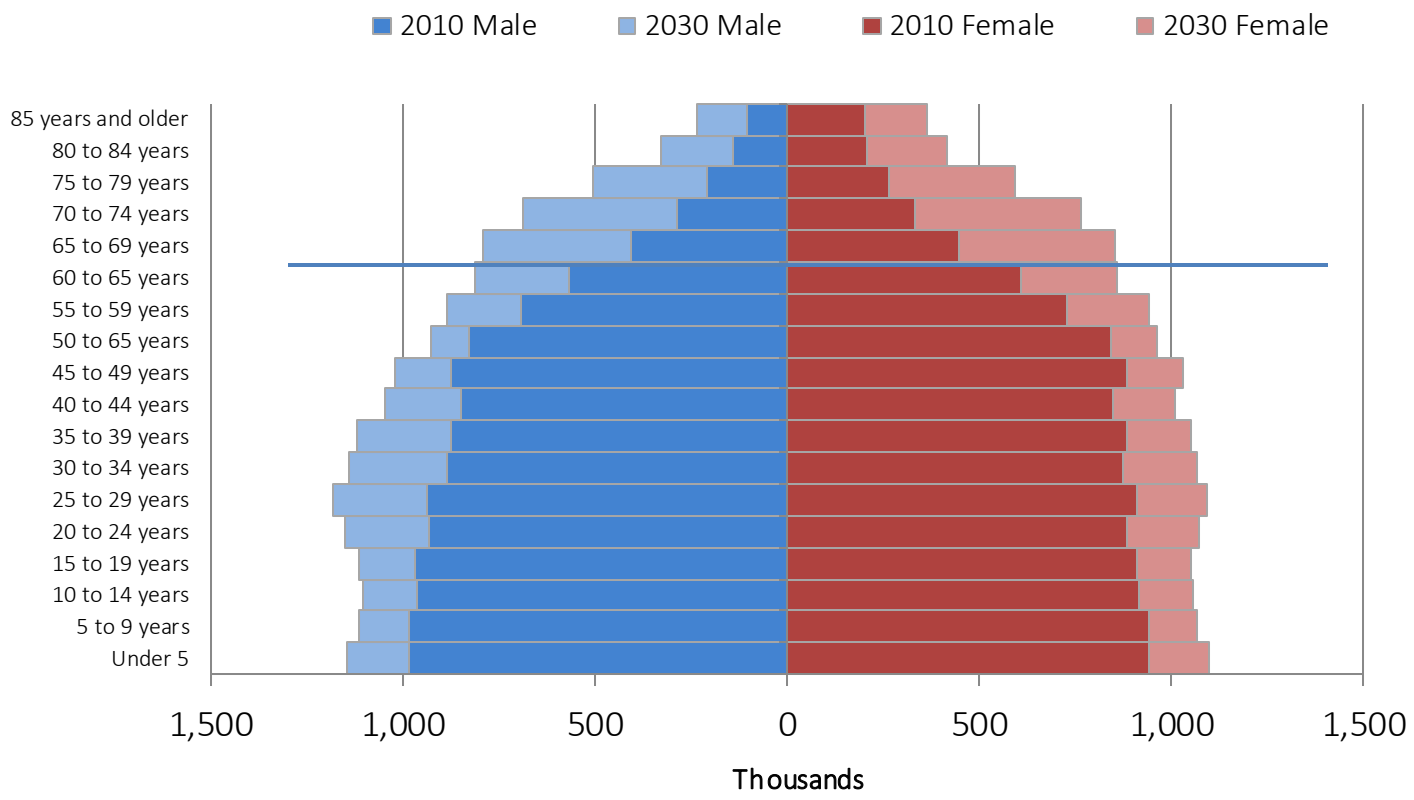

Source: US Census Bureau, 1950-2010 Censuses
US Census Bureau, State Population Estimates
Texas State Data Center, 2014 Population Projections, 1.0 Migration Scenario

# Population Projections, Texas, 2010-2050, Percent Over and Under 65



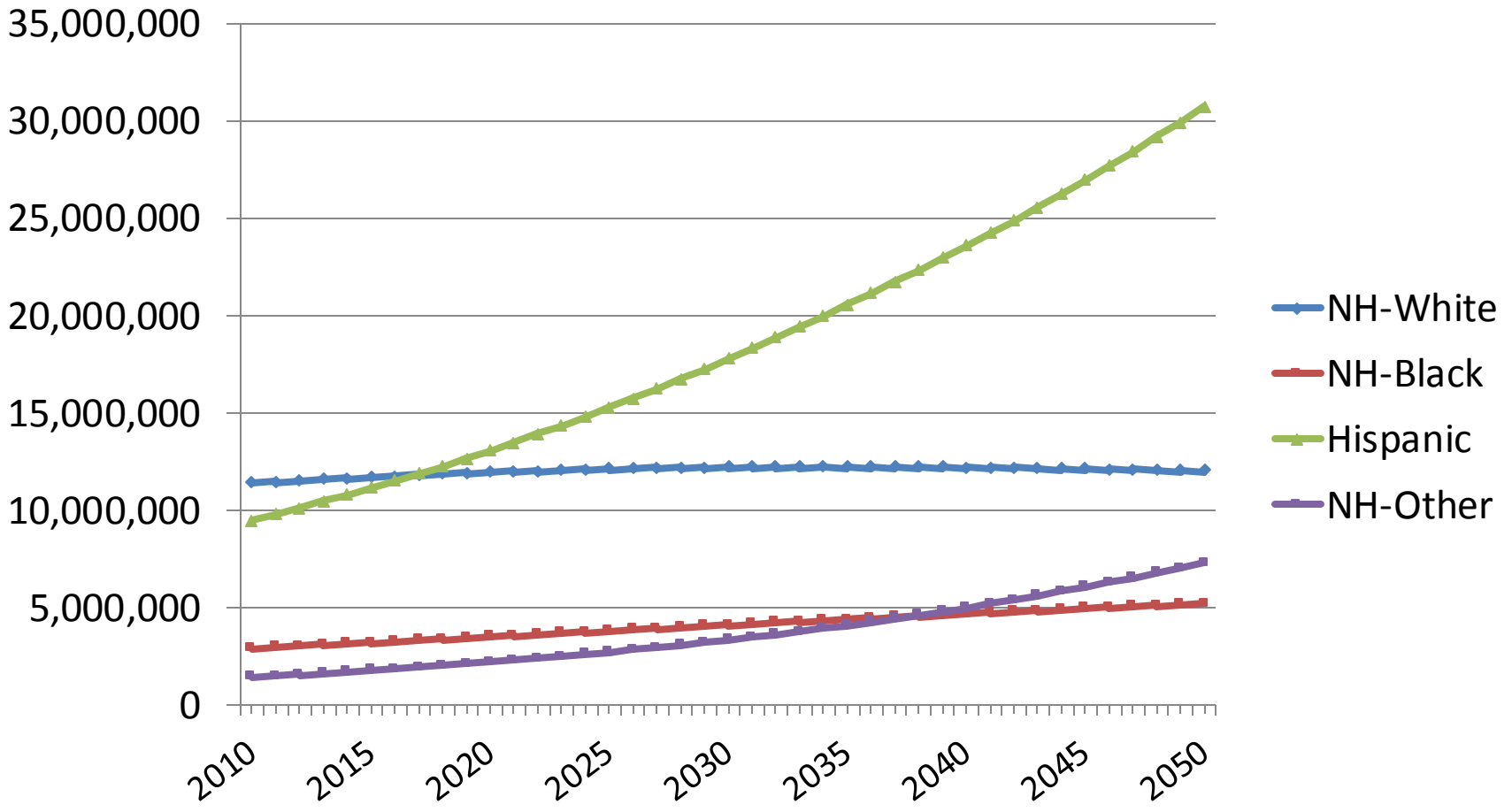

Source: Texas State Data Center 2014 Population Projections , Half 2000-2010 Migration Scenario

# Texas Population Change by Age Group, 2010-2030



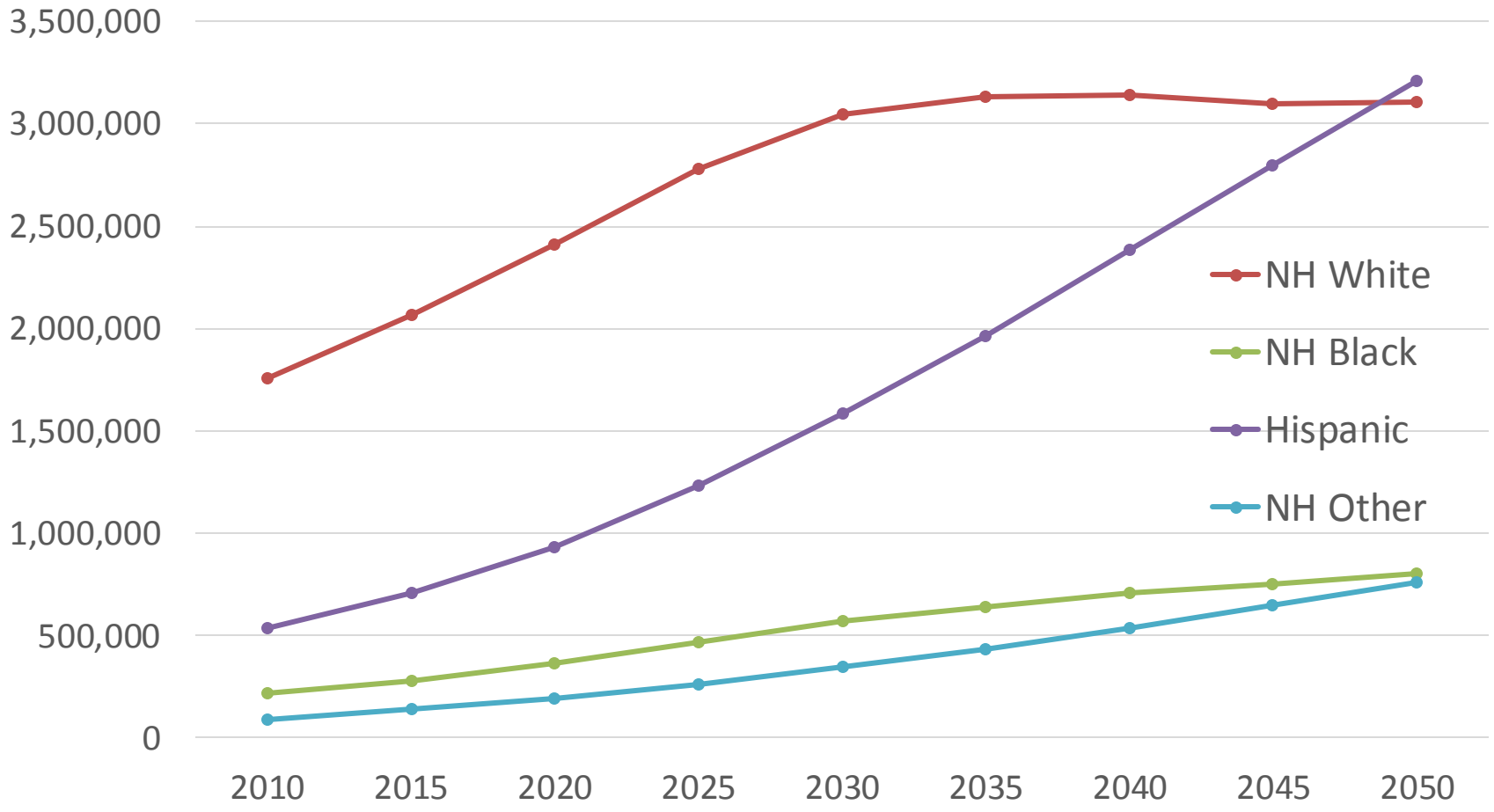

Source: Texas State Data Center 2012 Population Projections

# Projected Racial and Ethnic Percent, Texas, 2010-2050




Source: Texas State Data Center 2012 Population Projections , 2000-2010 Migration Scenario

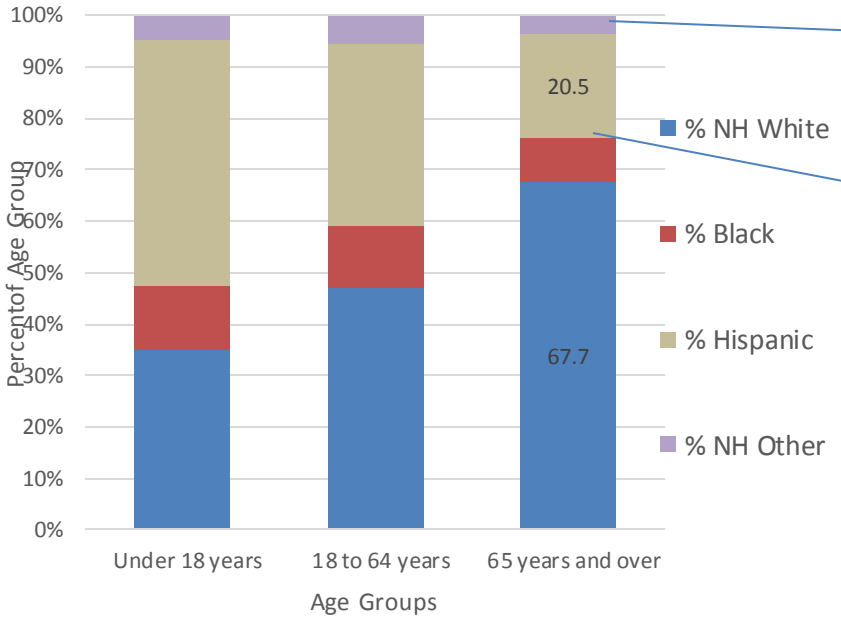
# Population Projections 65 Years and Over by Race/Ethnicity, Texas, 2010-2050




Source: Texas State Data Center 2014 Population Projections , Half 2000-2010 Migration Scenario

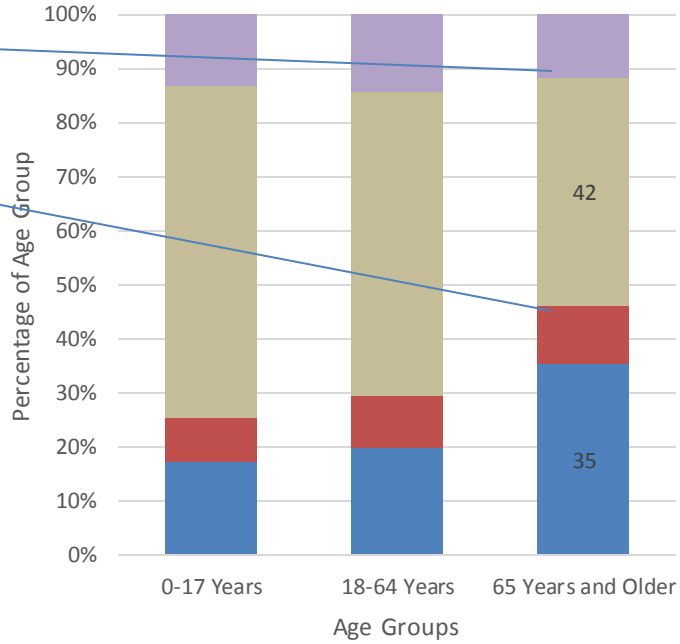
# Percent of Population by Race/Ethnicity for Age Groups, 2010 and 2050

## 2010



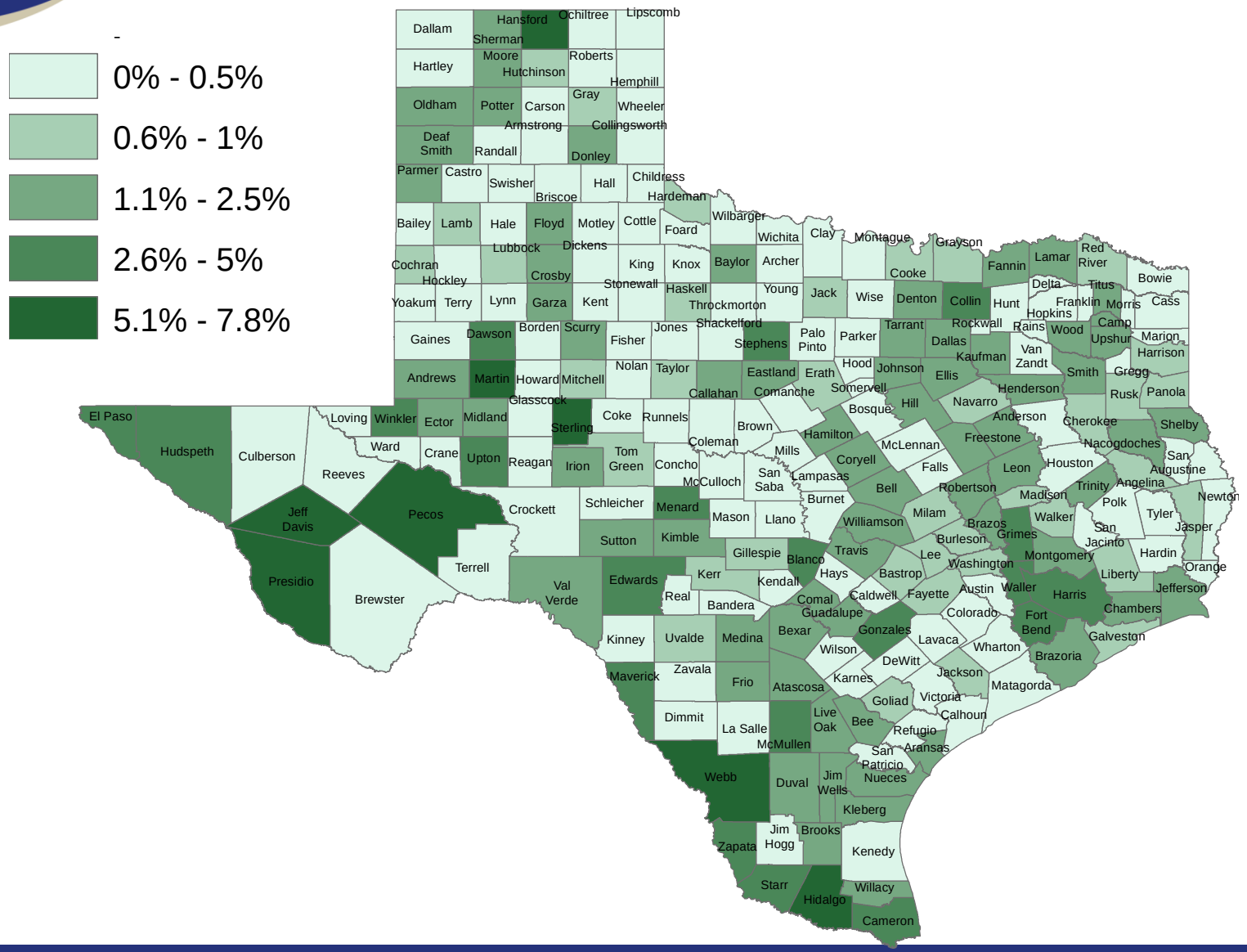

Source: US Census Bureau, State Population Estimates, 2014

## 2050

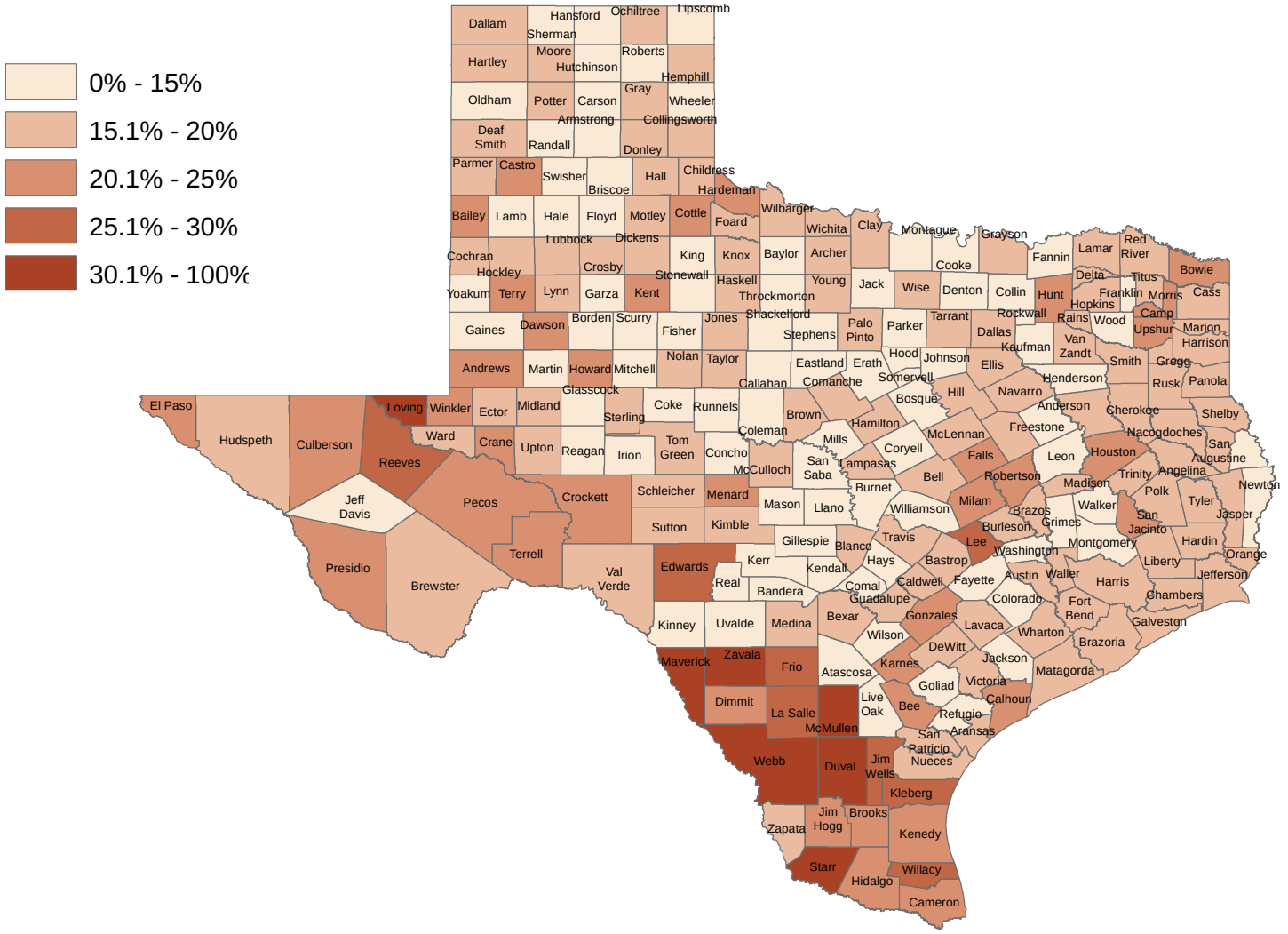



Source: Texas State Data Center, 2014 Projections, 1.0 Migration Scenario

# Percent of the Population Aged 65 Years and Older without Health Insurance, Texas Counties, 2010-2014

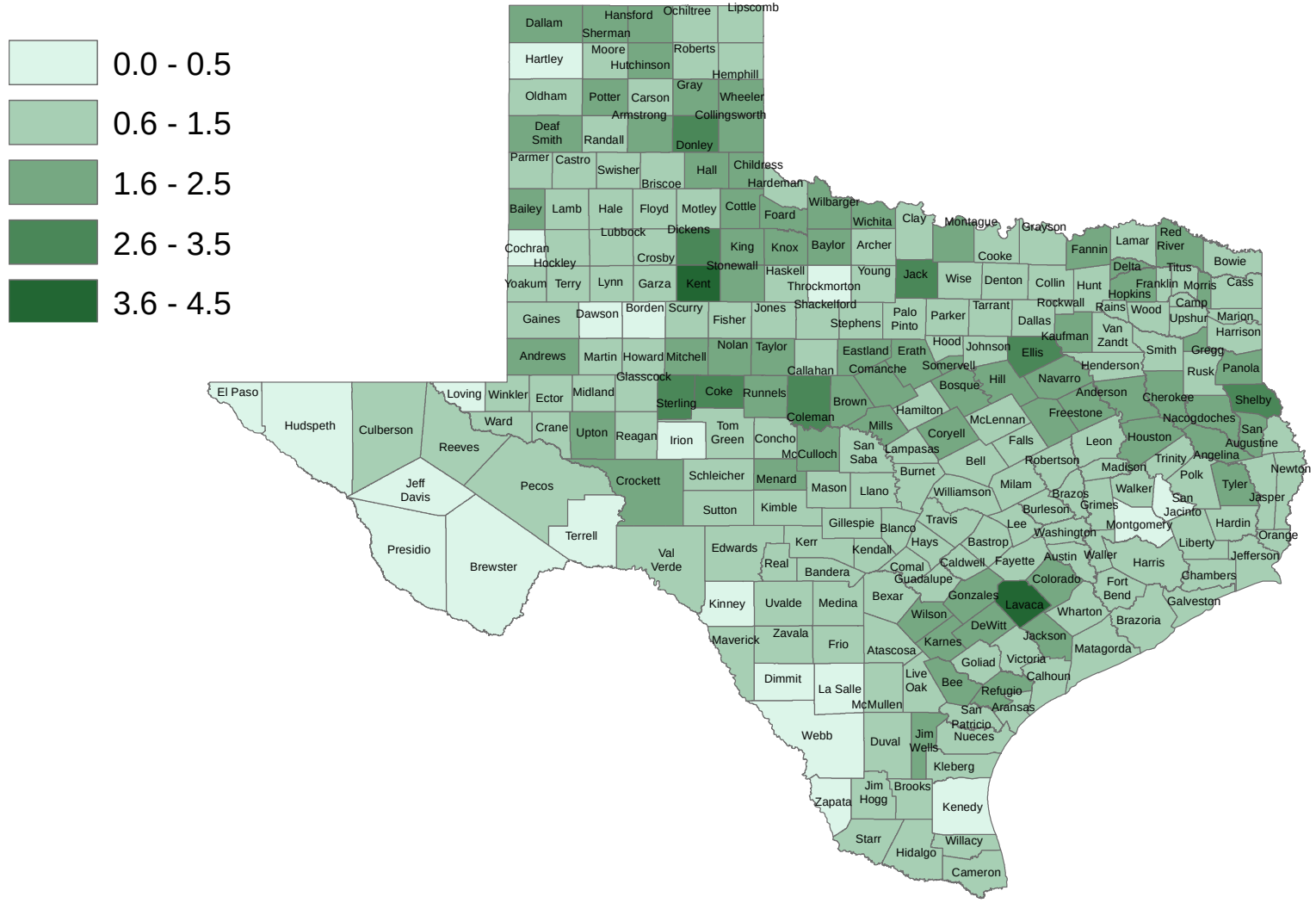


# Percent of the population aged 65 years and older with an independent living disability, Texas Counties, 2010-2014



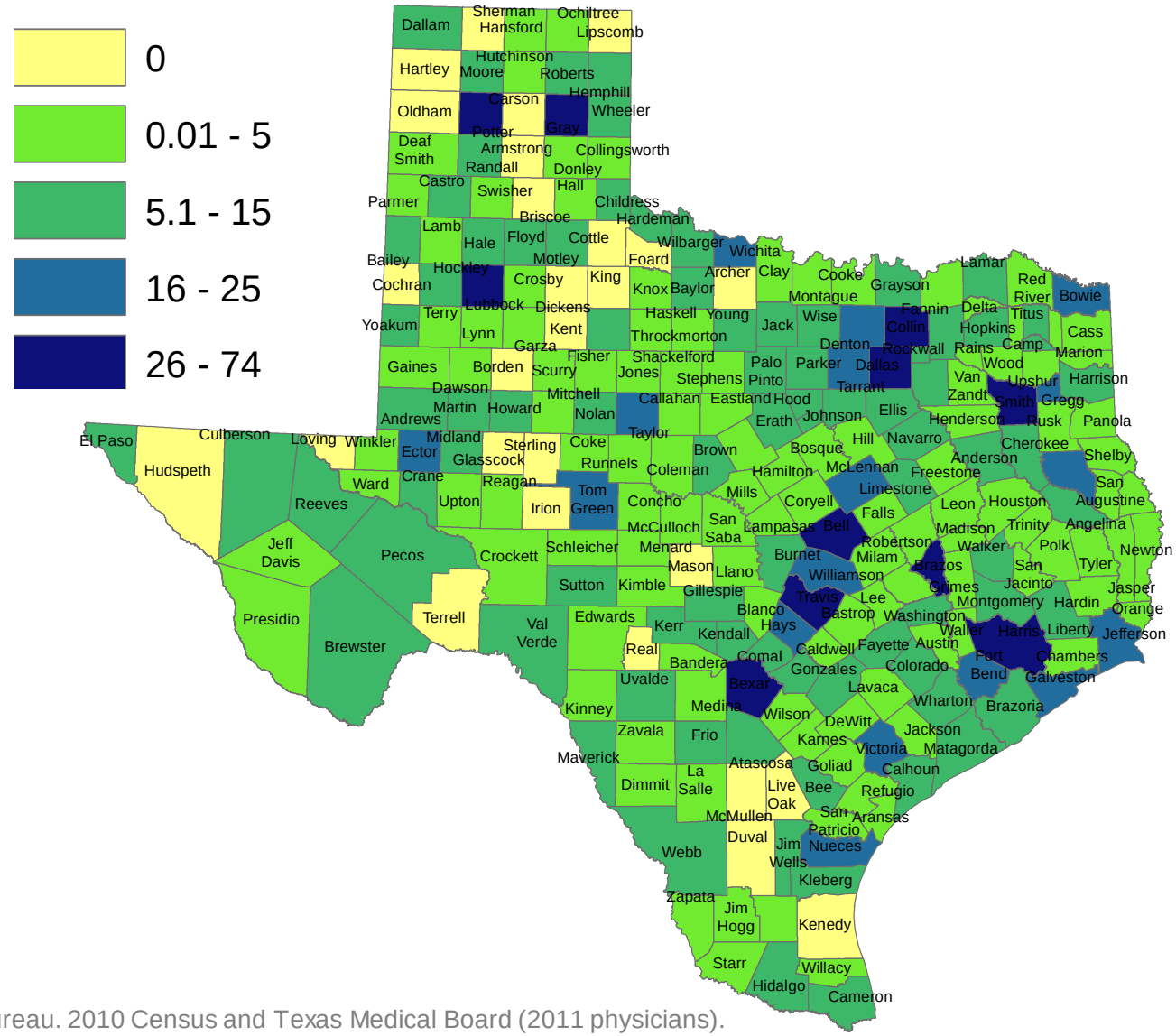

Source: U.S. Census Bureau, American Community Survey, 2010-2014 5 Year Sample

# RNs and LVNs Working in Nursing Homes and Extended Care Facilities per 1,000 Persons Aged 65 Years and Older, Texas Counties, 2015



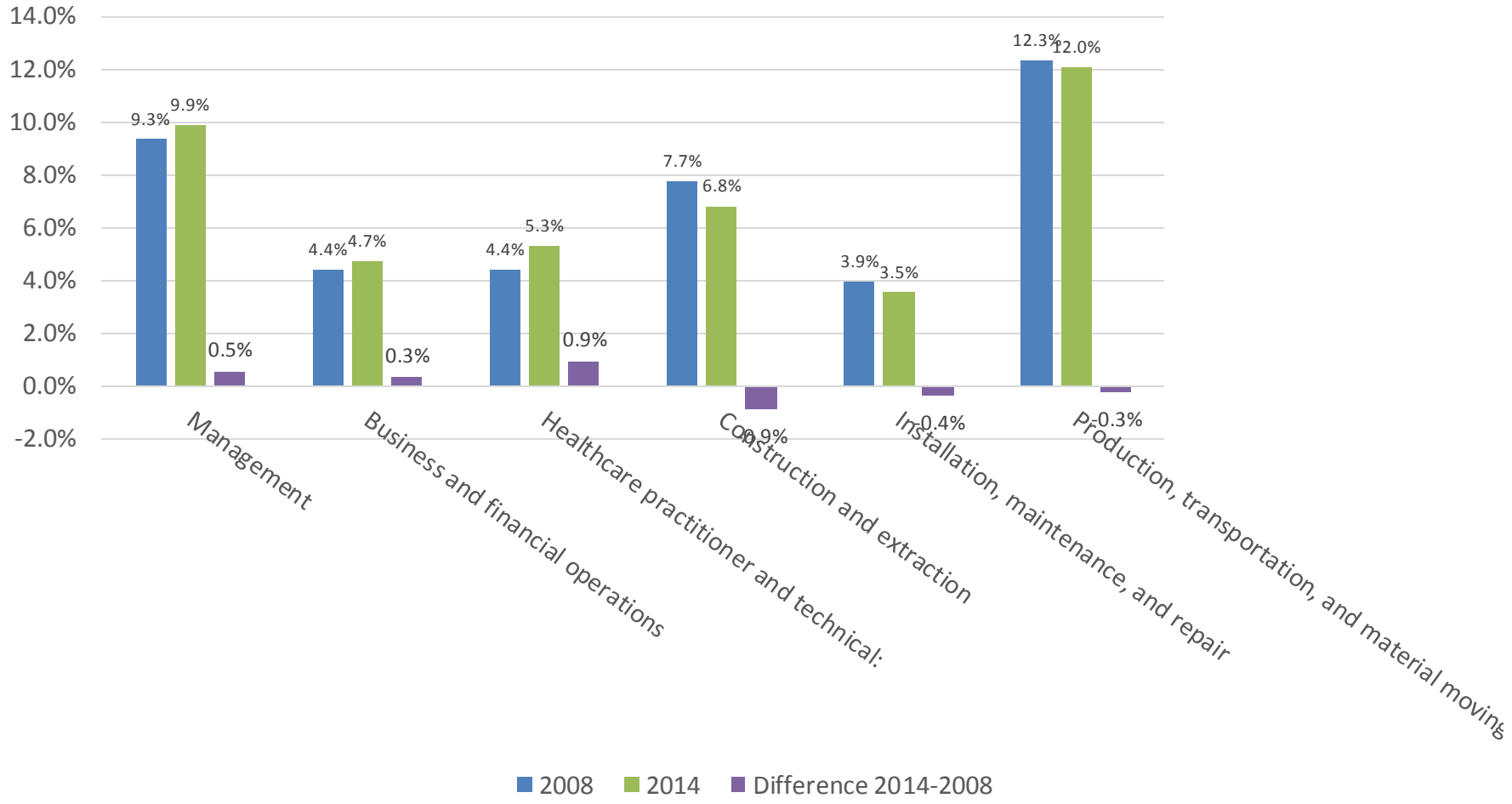

Sources: Texas Board of Nursing, 2016 and U.S. Census Bureau, American Community Survey, 2010-2014 5 Year Sample

# Physicians per 1,000 Population Aged 65 Years and Older by County, 2011




Source: U.S. Census Bureau. 2010 Census and Texas Medical Board (2011 physicians).

# Percent of Civilian Labor Force by Occupation, Texas, 2008, 2014 and 2014-2008 Difference




Source: U.S. Census Bureau, American Community Survey, 1-Year Sample, 2008, 2010, 2014`

# Estimates of health related workers in assisted living work settings*, Texas, 2011-2015

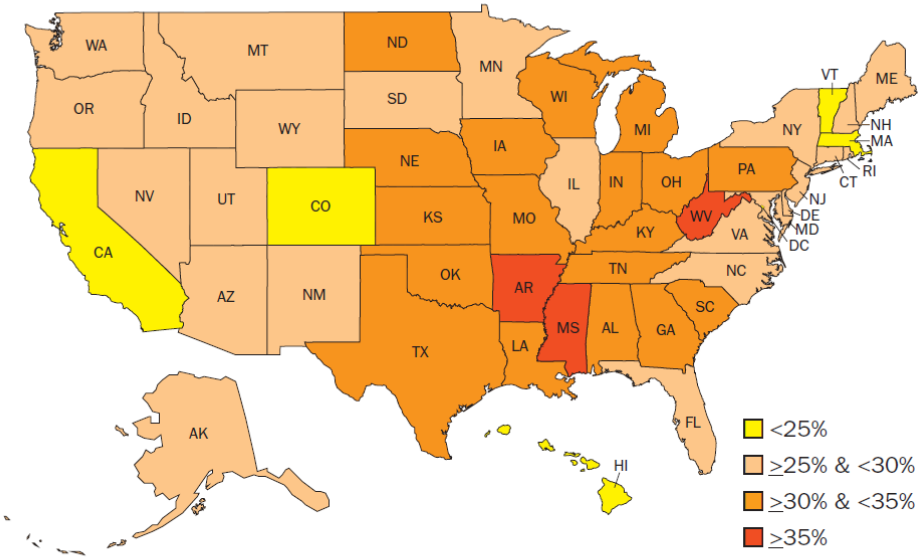
| | | |
|---|---|---|
| Nursing, Psychiatric, and Home Health Aides | 154,265 | 52.9% |
| Registered Nurses | 40,674 | 13.9% |
| Licensed Practical and Licensed Vocational Nurses | 36,951 | 12.7% |
| Medical and Health Services Managers | 17,710 | 6.1% |
| Emergency Medical Technicians and Paramedics | 8,442 | 2.9% |
| Clinical Laboratory Technologists and Technicians | 6,482 | 2.2% |
| Diagnostic Related Technologists and Technicians | 3,875 | 1.3% |
| Physical Therapists | 3,510 | 1.2% |
| Speech Language Pathologists | 2,488 | 0.9% |
| Physicians and Surgeons | 2,395 | 0.8% |
| Occupational Therapists | 2,086 | 0.7% |
| Other Health Occupations | 12,859 | 4.4% |

* Industry Codes: Home health care services, Other health care services, Nursing care facilities (skilled nursing facilities), Residential care facilities, except skilled nursing facilities

Source: U.S. Census Bureau, American Community Survey, 5-Year Sample, 20011-2015

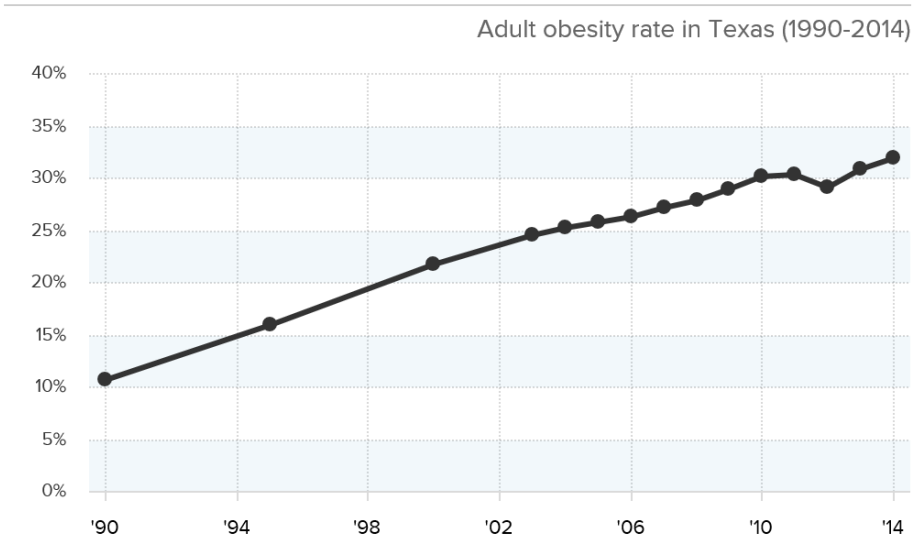
# Adult Obesity

**2014 ADULT OBESITY RATES**



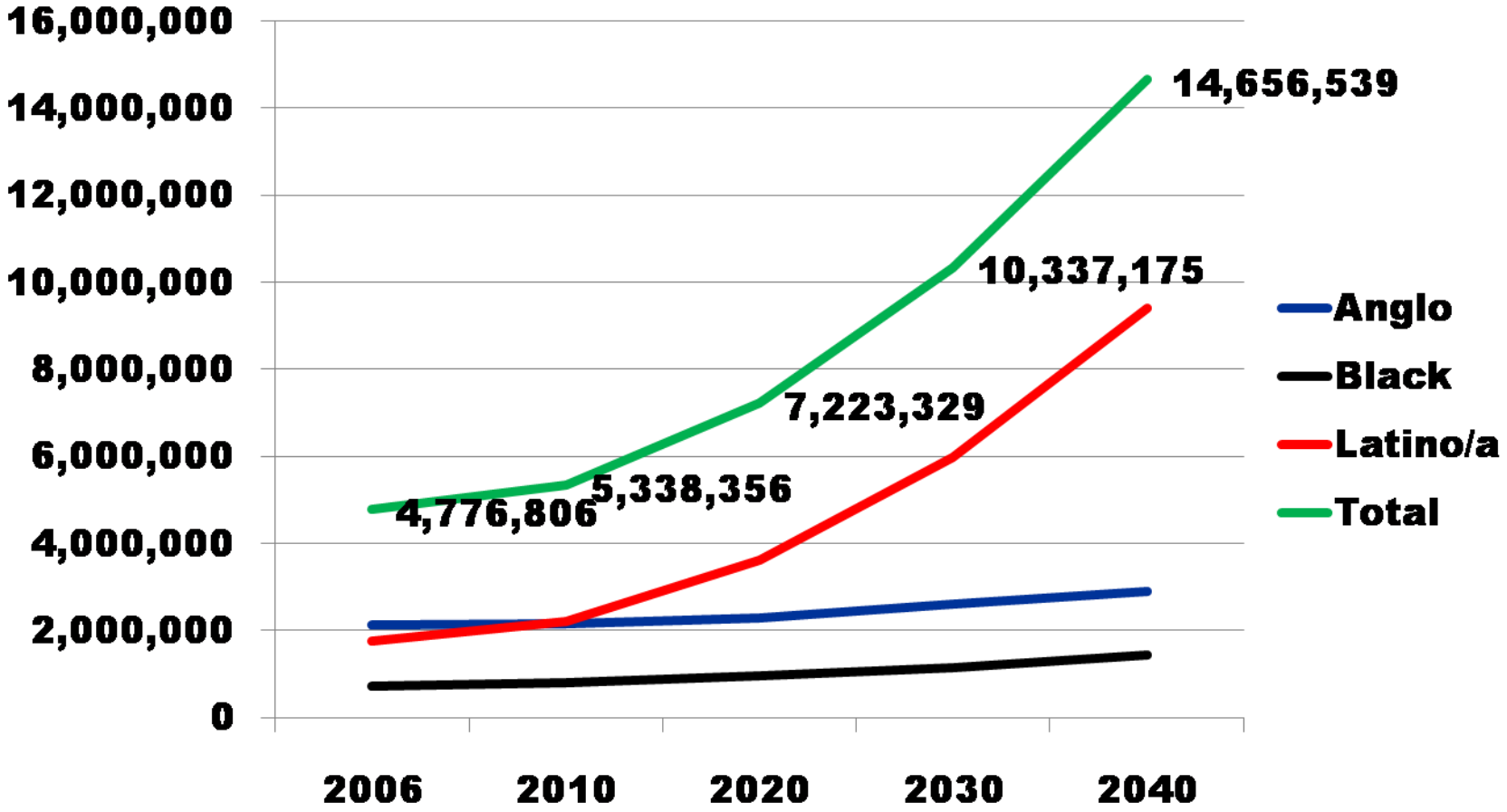

*(Note: BRFSS methodological changes were made in 2011. Estimates should not be compared to those prior to 2010)*[28]

| Territory | Obesity Rate |
|---|---|
| Guam | 28.0 |
| Puerto Rico | 28.3 |




Source: http://stateofobesity.org/files/stateofobesity2015.pdf

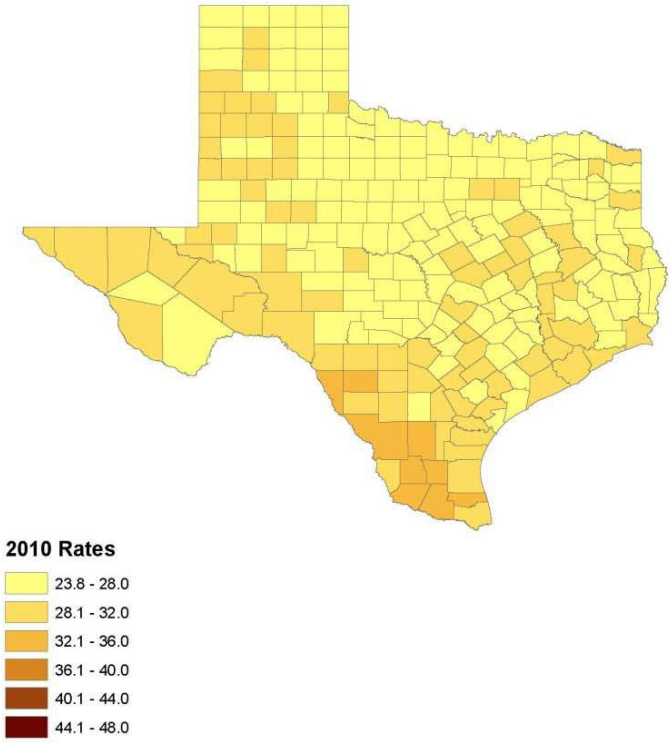
# Projected Increase in Obesity in Texas by Ethnicity, 2006 to 2040



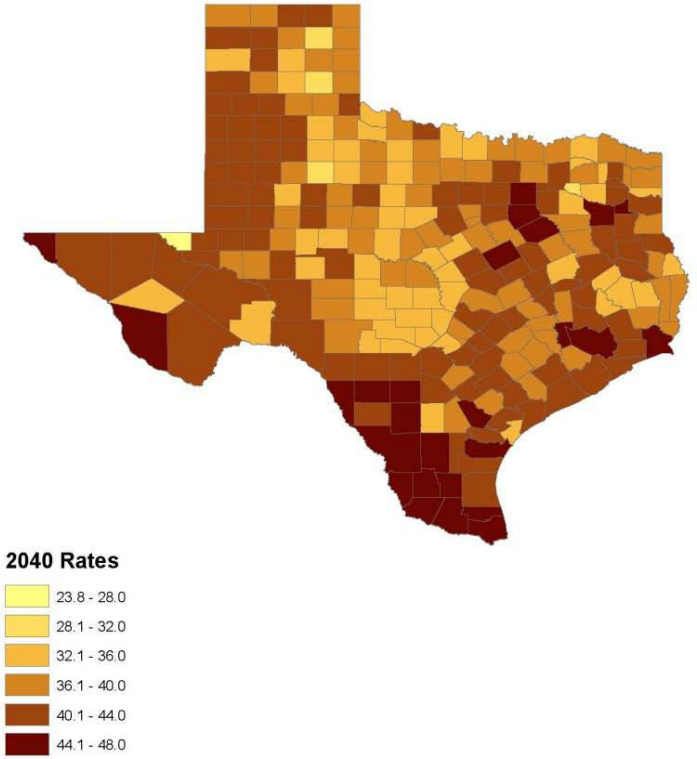

Source: Office of the State Demographer projections, using 2000-2004 migration scenario population projections

# Obesity Prevalence

Projected Obesity Prevalence Rates - 2010

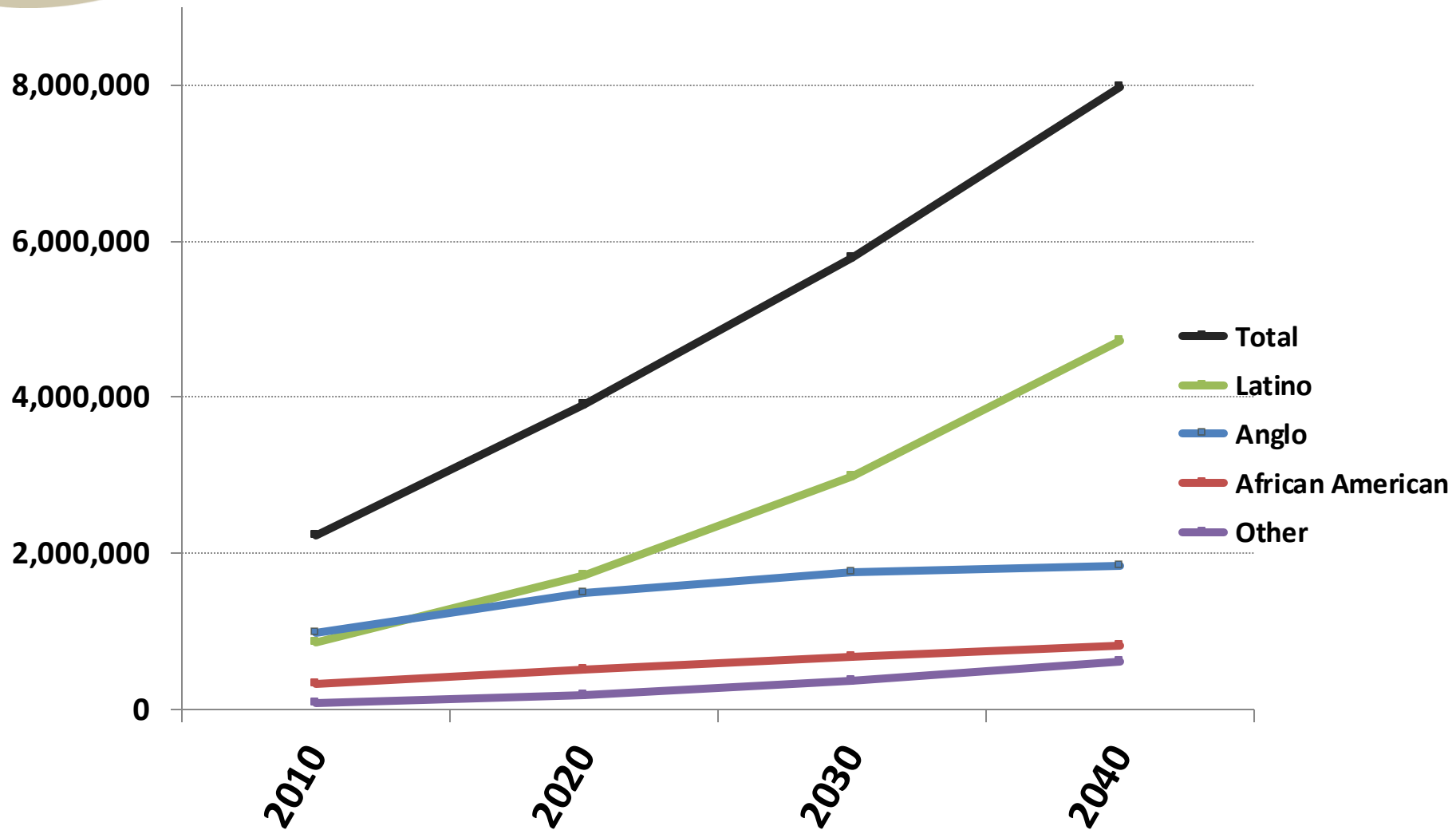



Projected Obesity Prevalence Rates - 2040



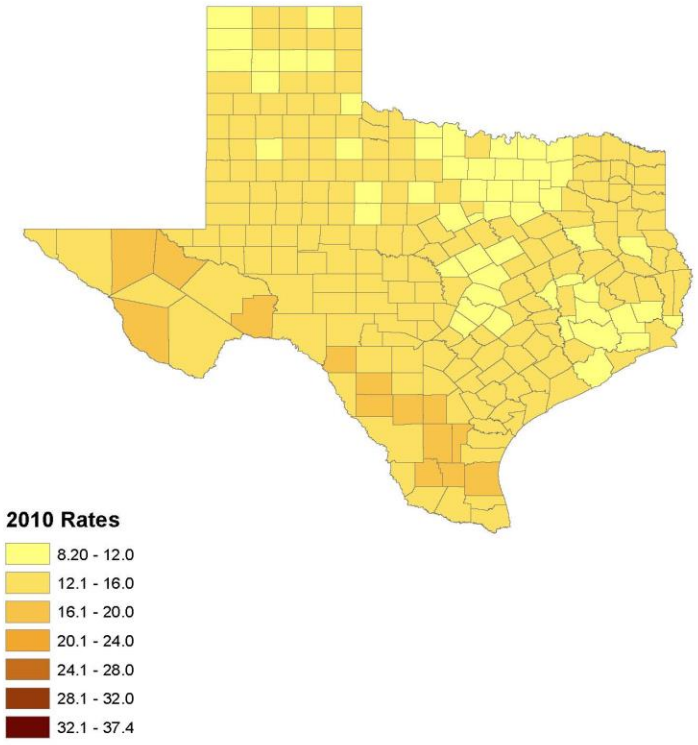

% adults with obesity: Office of the State Demographer, 2000-2004 Projection

# Projected Number of Adults with Diabetes by Race and Ethnicity, Texas, 2010-2040

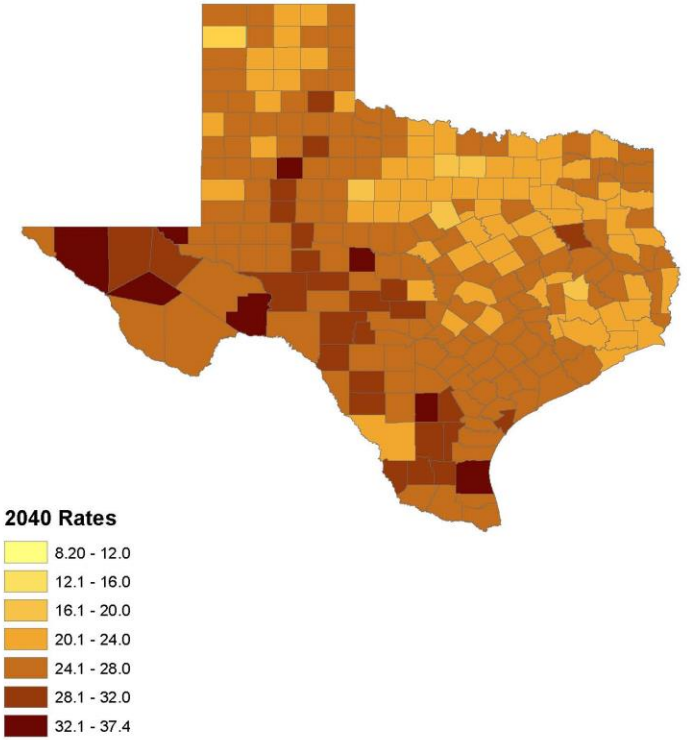


# Diabetes Prevalence

Projected Diabetes Prevalence Rates - 2010




Projected Diabetes Prevalence Rates - 2040




% adults with diabetes: Office of the State Demographer, 2000-2004 Projection

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