Using Demographic Data to Inform Planning and Decision-Making:

A Look at Texas Demographic Center Resources & Other Data Sources

Presented to

Data Institute Virtual

BY GOOD MEASURE & MISSION CAPITAL

October 15, 2020

TEXAS DEMOGRAPHIC CENTER

In this presentation:

- What is the Texas Demographic Center?
- A brief look at major Texas demographic trends and projections
- TDC Data Resources and Products
- Census Bureau Data Resources
- How your organization can help us to improve our work

The Texas Demographic Center is the lead demographic agency in the State

- State Demographer appointed by Texas Governor; support staff affiliated with public state university.
  - Institute for Demographic and Socioeconomic Research at UTSA and Texas Demographic Center
  - Monitor demographic shifts and describe implications for state planning and policy-making.
- The U.S. Census Bureau State Data Center Program
  - Disseminate, promote, and train on Census Bureau data and programs
  - Annual demographic data users conference [late May, early June]
- State Data Center Affiliates Network
  - Government, academic, or non-profit organizations who provide data, training, assistance on how to use Census data and statistics
  - Examples include public libraries, local planning agencies, or units within colleges or universities that serve a particular geographic region or focus on a particular subject matter
  - Texas Demographic Center Affiliates: https://demographics.texas.gov/Affiliates

Texas Demographic Trends & Projections

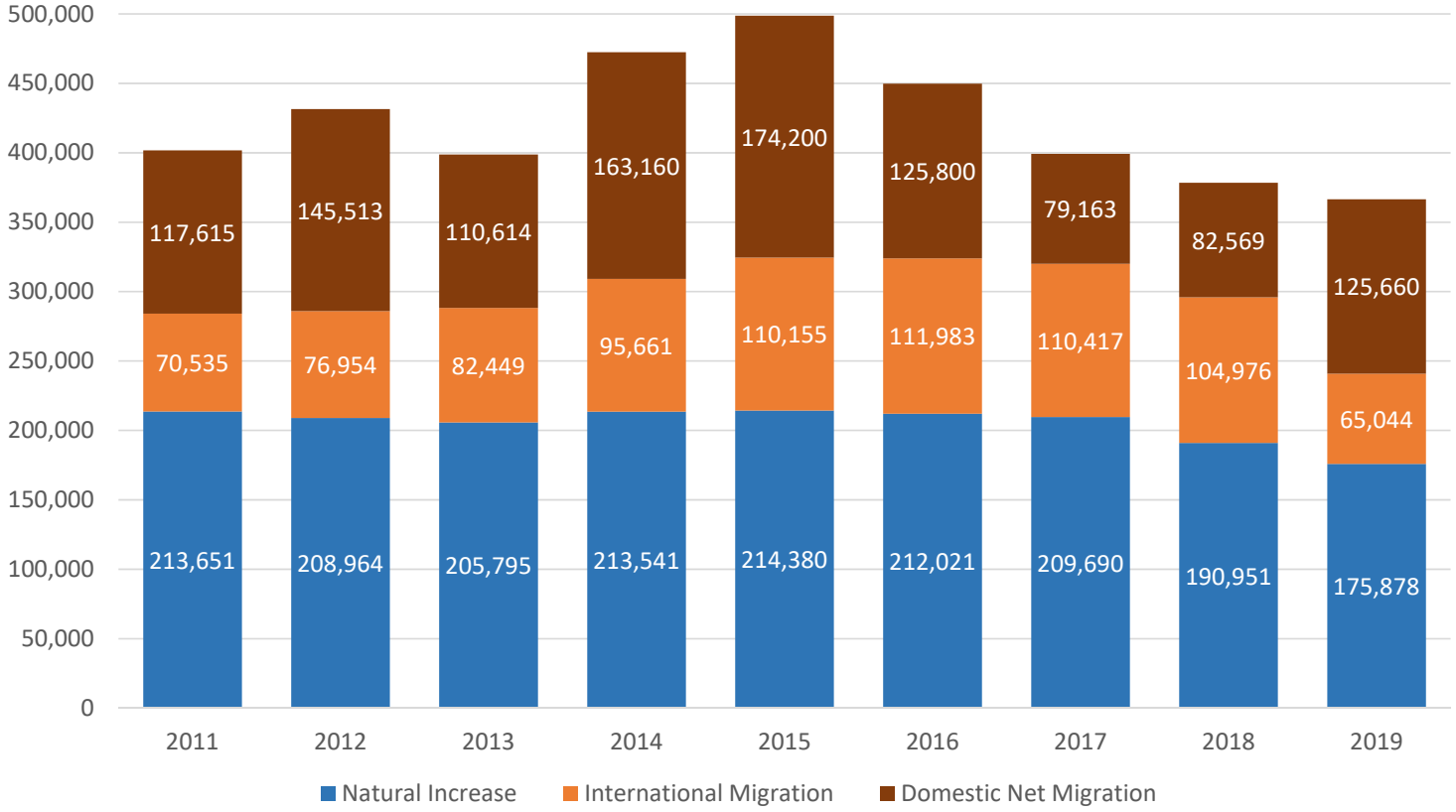
Texas is experiencing significant growth.

Population Growth of Select States, 2000-2019

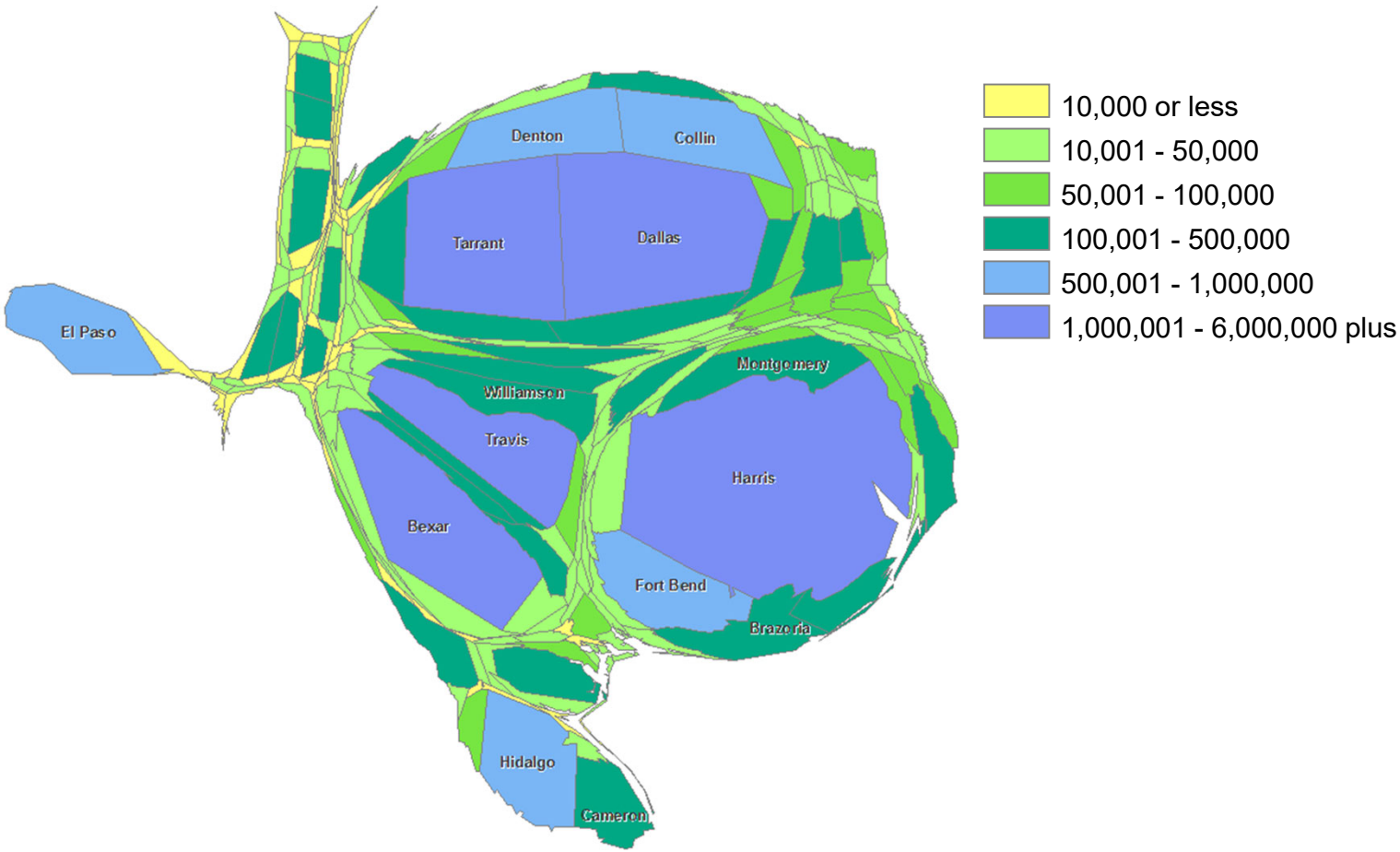
	2000 Population	2010 Population	2019 Population	Numeric Change 2010-2019	Percent Change 2010-2019
United States	281,421,906	308,745,538	32,823,9523	19,481,418	6.3%
Texas	20,851,820	25,145,561	28,995,881	3,849,790	15.3%
California	33,871,648	37,253,956	39,512,223	2,257,704	6.1%
Florida	15,982,378	18,801,310	21,477,737	2,673,173	14.2%
Georgia	8,186,453	9,687,653	10,617,423	928,694	9.6%
North Carolina	8,049,313	9,535,483	10,488,084	952,333	10.0%
Washington	5,894,121	6,724,540	7,614,893	890,353	13.2%
Arizona	5,130,632	6,392,017	7,278,717	886,429	13.9%
Colorado	5,029,196	5,029,196	5,758,736	729,417	14.5%

Source: U.S. Census Bureau, 2000 and 2010 Decennial Census; 2019 Vintage population estimates

Components of Population Change, 2010-2019

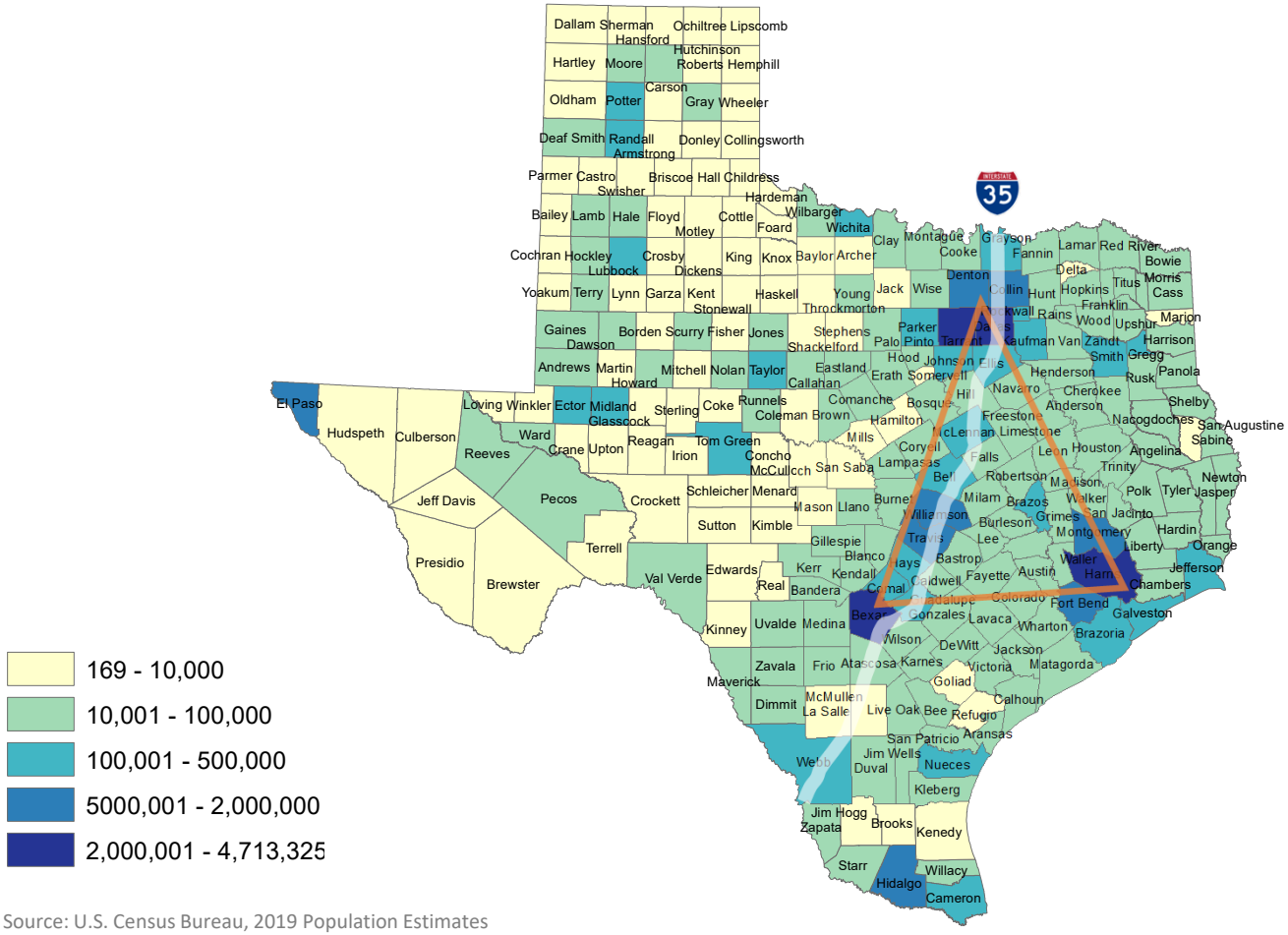


Source: U.S. Census Bureau, 2019 Vintage population estimates



Population growth is not evenly distributed across the state.

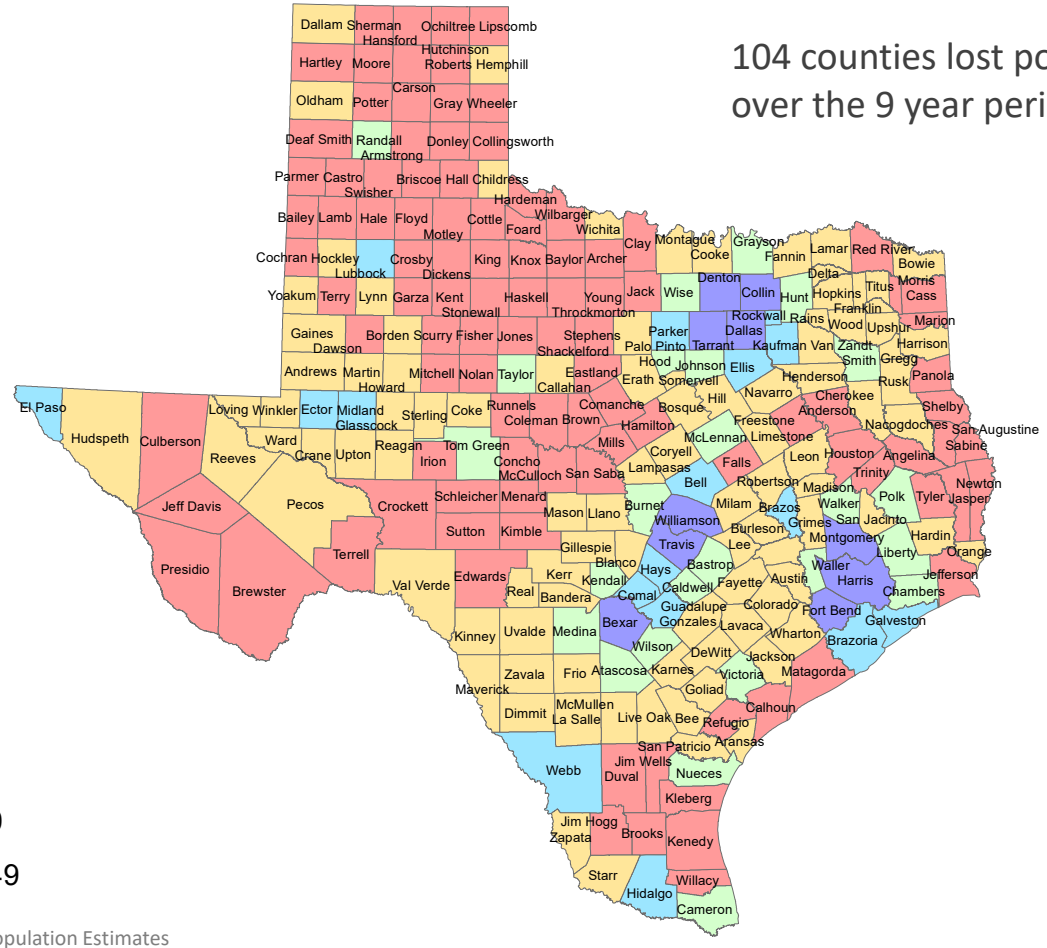
Total Estimated Population by County, Texas, 2019



Source: U.S. Census Bureau, 2019 Population Estimates

Estimated Numeric Change, Texas Counties, 2010-2019

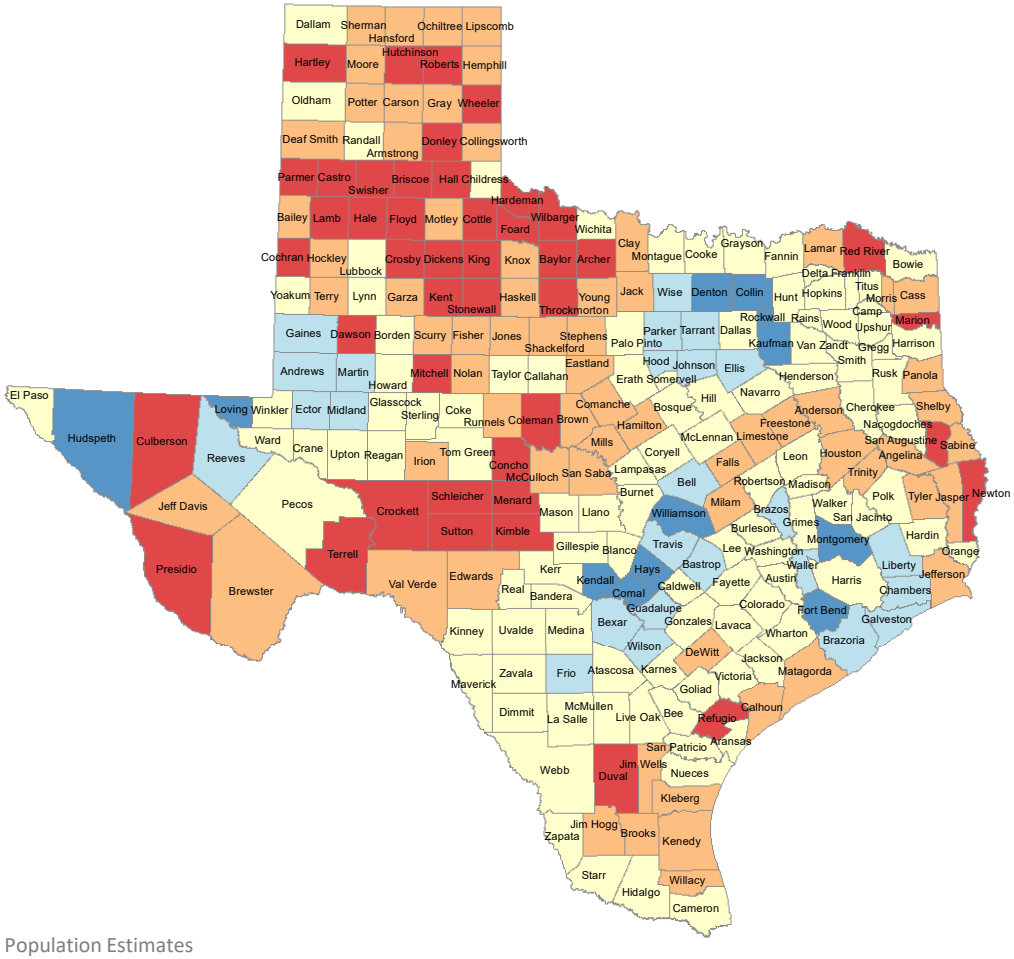
104 counties lost population over the 9 year period.



- -3,663 - 0
- 1 - 5,000
- 5,001 - 25,000
- 25,001 - 100,000
- 100,001 - 620,149

Source: U.S. Census Bureau, 2019 Population Estimates

Estimated Percent Change, Texas Counties, 2010-2019

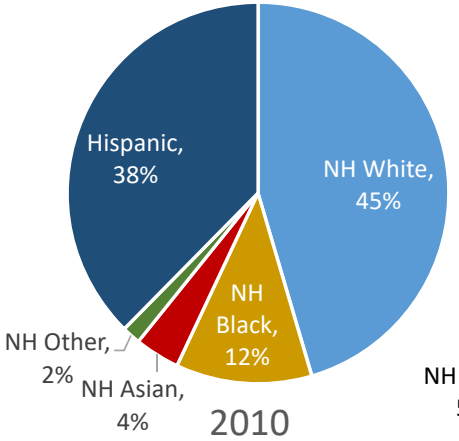


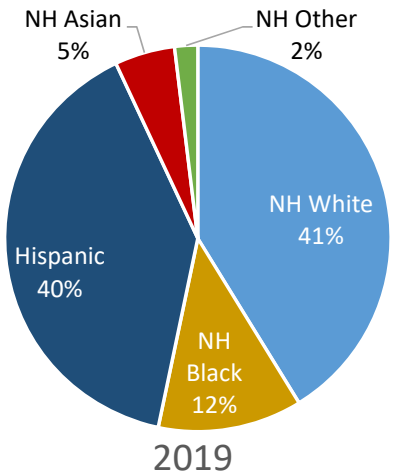
- -33% - -5%
- -4% - 0%
- 1% - 15%
- 16% - 31%
- 32% - 106%

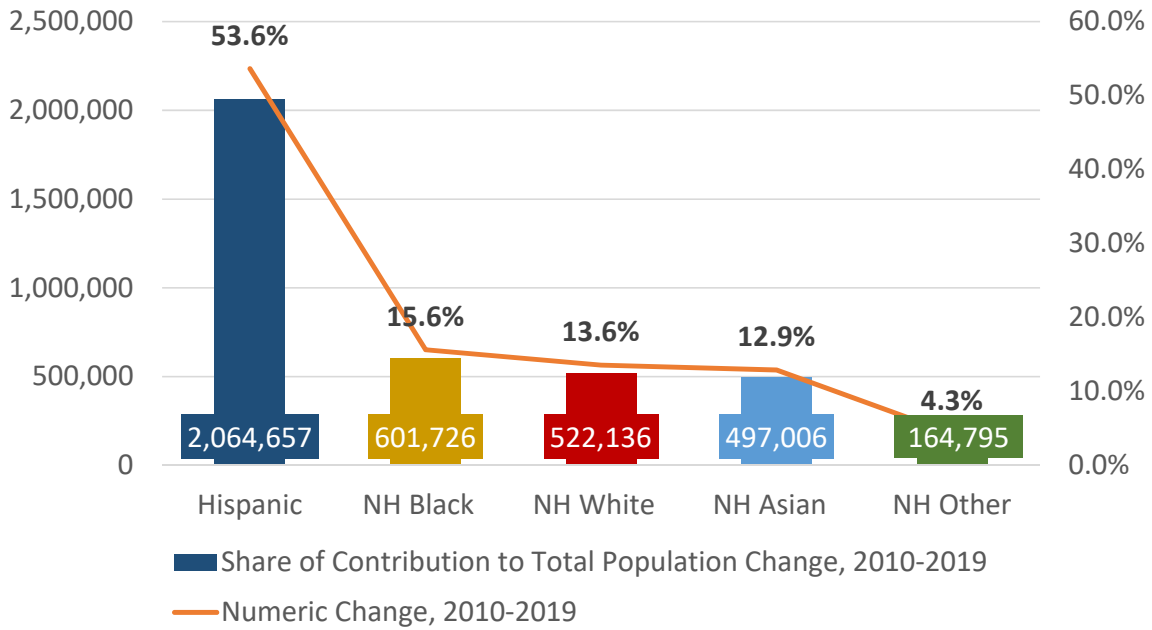
Source: U.S. Census Bureau, 2019 Population Estimates

As Texas grows, it ages and continues to diversify.

Race/Ethnic Composition, Texas, 2010-2019



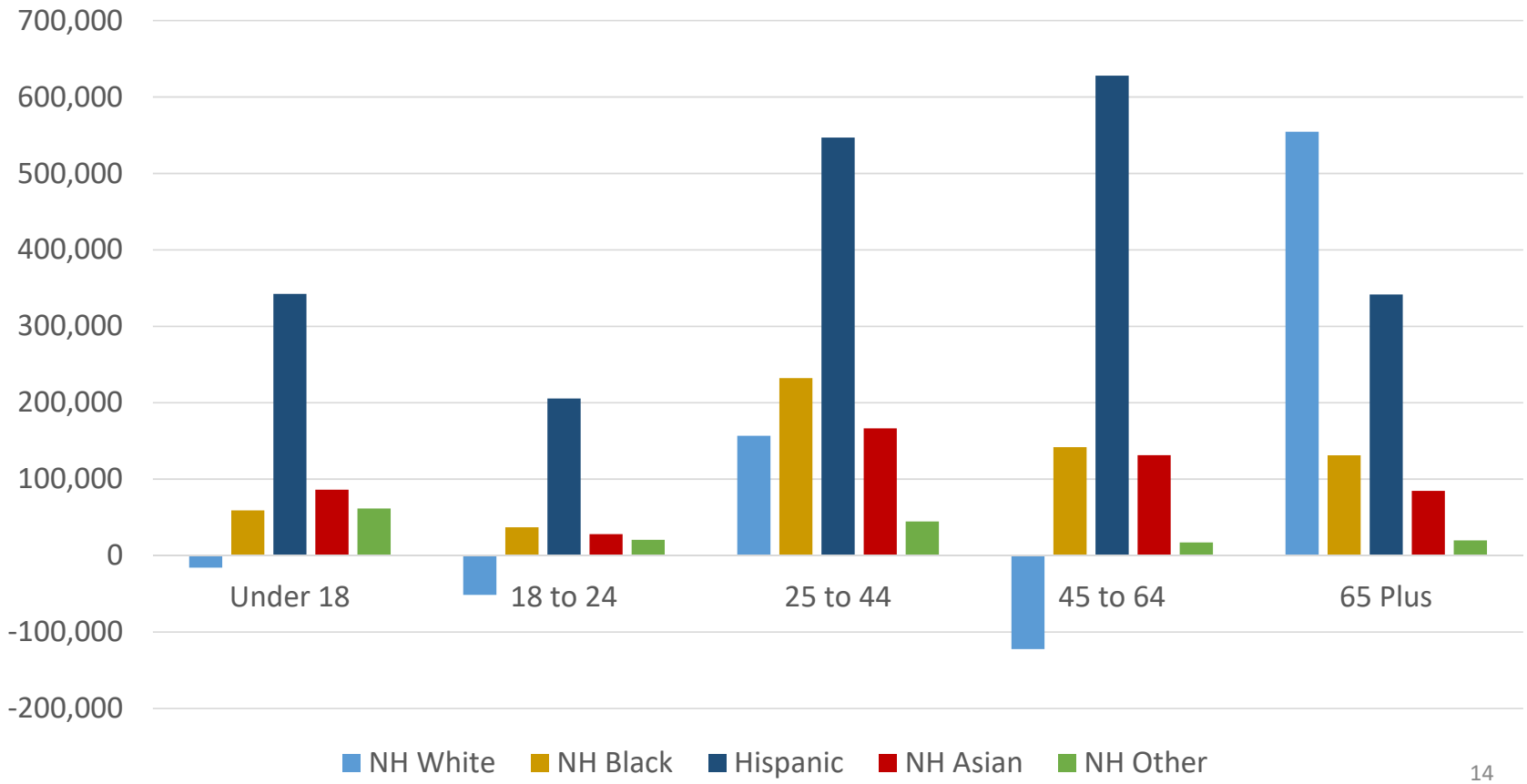




86.4% of growth has been from minority groups.

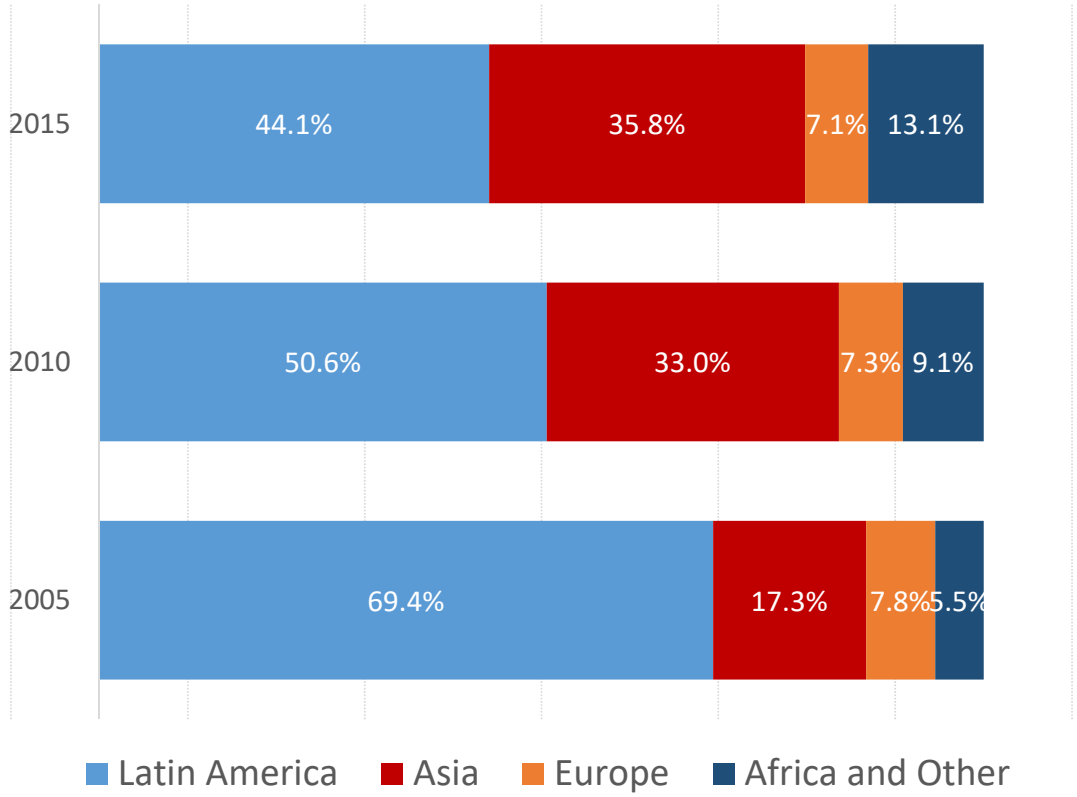
Source: U.S. Census Bureau. 2019 Population Estimates

Numeric Change in Age Group by Race/Ethnicity, Texas, 2010-2019



Source: U.S. Census Bureau. 2019 Population Estimates

Annual Shares of Recent Immigrants to Texas by World Area of Birth, 2005-2015



Estimated number of international migrants to Texas

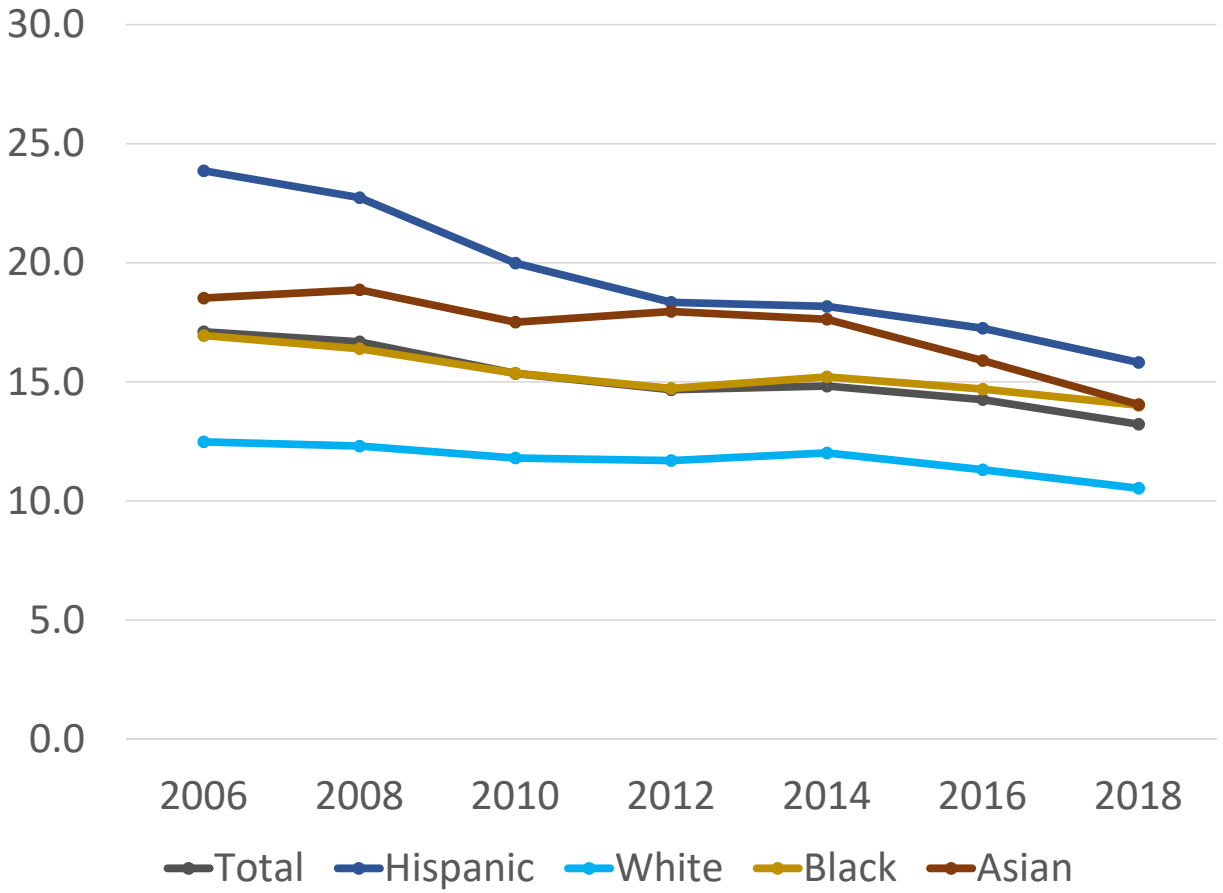
101,588

77,702

98,194

Source: U.S. Census Bureau, American Community Survey, 1-Year PUMS

Crude Birth Rates by Race/Ethnicity, Texas, 2006-2018



Source: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics Report

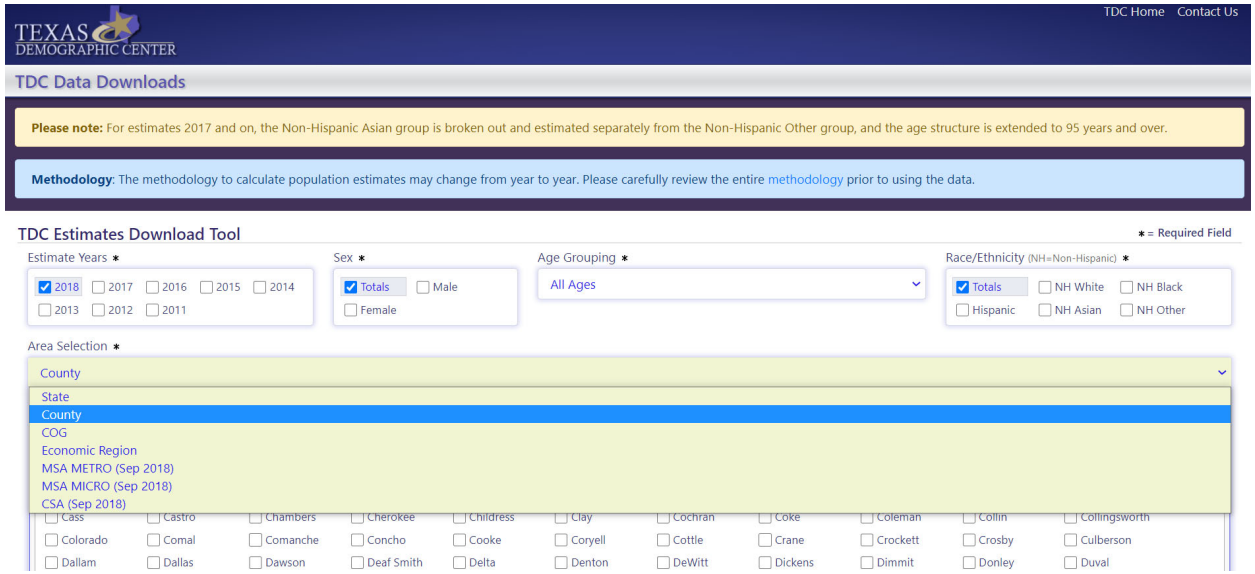
TDC Data Resources and Other Data Sources

Texas Demographic Center Population Estimates and Projections Program

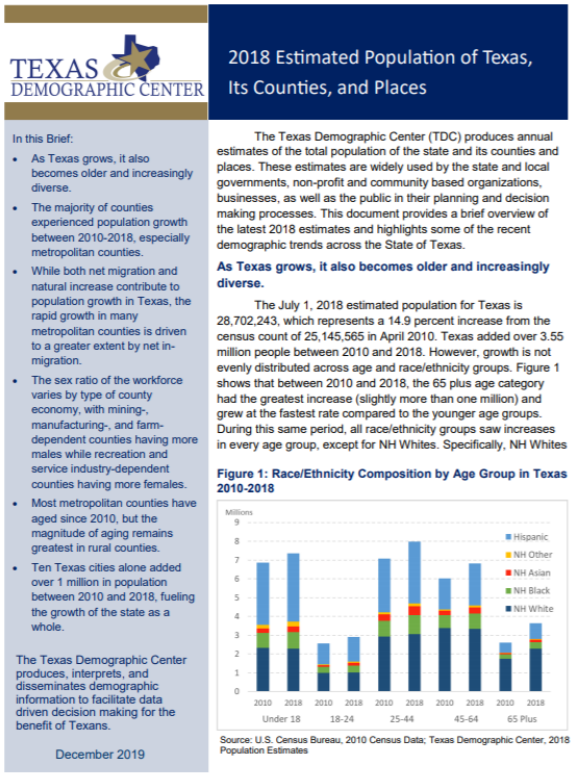
- TDC Population Estimates
  - Produced annually
  - Total estimates for state, 254 counties, and 1749 places/cities
  - Estimates by sex, race/ethnicity, and age for state and counties
  - Released in the Fall (2019 estimates to be released October 2020)
  - https://demographics.texas.gov/Data/TPEPP/Estimates/

- TDC Population Projections
  - Produced every other year, except years ending in 0
  - Project forward 40 years from most recent census
  - Projections for state and 254 counties
  - Projections by sex, race/ethnicity, and age for state and counties
  - https://demographics.texas.gov/Data/TPEPP/Projections/

Texas Demographic Center Population Estimates



https://demographics.texas.gov/Download/Estimates



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2018 Estimated Population of Texas, Its Counties, and Places

In this Brief:

- As Texas grows, it also becomes older and increasingly diverse.
- The majority of counties experienced population growth between 2010-2018, especially metropolitan counties.
- While both net migration and natural increase contribute to population growth in Texas, the rapid growth in many metropolitan counties is driven to a greater extent by net in-migration.
- The sex ratio of the workforce varies by type of county economy, with mining-, manufacturing-, and farm-dependent counties having more males while recreation and service industry-dependent counties having more females.
- Most metropolitan counties have aged since 2010, but the magnitude of aging remains greatest in rural counties.
- Ten Texas cities alone added over 1 million in population between 2010 and 2018, fueling the growth of the state as a whole.

The Texas Demographic Center produces, interprets, and disseminates demographic information to facilitate data driven decision making for the benefit of Texans.

December 2019

The Texas Demographic Center (TDC) produces annual estimates of the total population of the state and its counties and places. These estimates are widely used by the state and local governments, non-profit and community based organizations, businesses, as well as the public in their planning and decision making processes. This document provides a brief overview of the latest 2018 estimates and highlights some of the recent demographic trends across the State of Texas.

As Texas grows, it also becomes older and increasingly diverse.

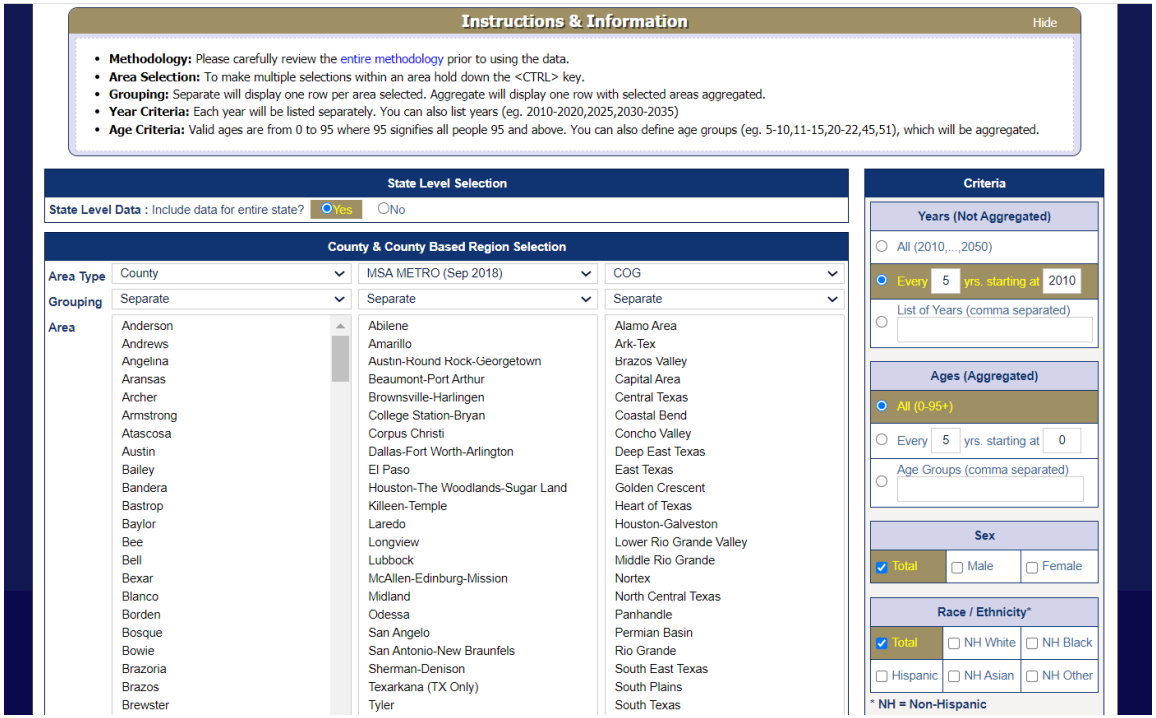
The July 1, 2018 estimated population for Texas is 28,702,243, which represents a 14.9 percent increase from the census count of 25,145,565 in April 2010. Texas added over 3.55 million people between 2010 and 2018. However, growth is not evenly distributed across age and race/ethnicity groups. Figure 1 shows that between 2010 and 2018, the 65 plus age category had the greatest increase (slightly more than one million) and grew at the fastest rate compared to the younger age groups. During this same period, all race/ethnicity groups saw increases in every age group, except for NH Whites. Specifically, NH Whites

Figure 1: Race/Ethnicity Composition by Age Group in Texas 2010-2018

Source: U.S. Census Bureau, 2010 Census Data; Texas Demographic Center, 2018 Population Estimates

https://demographics.texas.gov/Resources/publications/2019/20191205_PopEstimatesBrief.pdf

Texas Demographic Center Population Projections



https://demographics.texas.gov/Data/TPEPP/Projections/Tool

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In this Brief:

- The latest population projections include more recent migration trends, a new race/ethnicity category, and an expansion of the age distribution to 95 years plus.
- The newly added non-Hispanic Asian group is projected to grow at the fastest rate, growing five-fold by 2050.
- The Hispanic population will likely surpass the non-Hispanic White population by 2022 but is not projected to make up the majority of the state population during the projections horizon.
- Much of the population growth in Texas is projected to come from the large urban counties of Harris, Bexar, Dallas, and Tarrant and neighboring suburban counties. The fastest growth is projected to occur in these suburban counties as well as in the Permian Basin area.

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SEPTEMBER 2019

Texas Population Projections 2010 to 2050

The Texas Demographic Center produces population projections for 40 years beyond the most recent Census to help planners and policymakers anticipate future demand for services and pressures on infrastructure. In our most recent set of projections, one migration scenario is employed in which the migration patterns observed in Texas between 2010 and 2015 are assumed throughout the projections horizon. Additionally, this updated set of projections includes a new race/ethnicity category, non-Hispanic Asian, and expands the age distribution to 95 years and older.

This document provides a brief overview of the statewide population projections for 2010 to 2050 using the migration trends observed in Texas between 2010-2015. This scenario represents our recommended scenario as it most closely reflects the most recent migration trends. Projections using the previous migration scenarios can be accessed by contacting our office. Our full methodology can be found on our website.

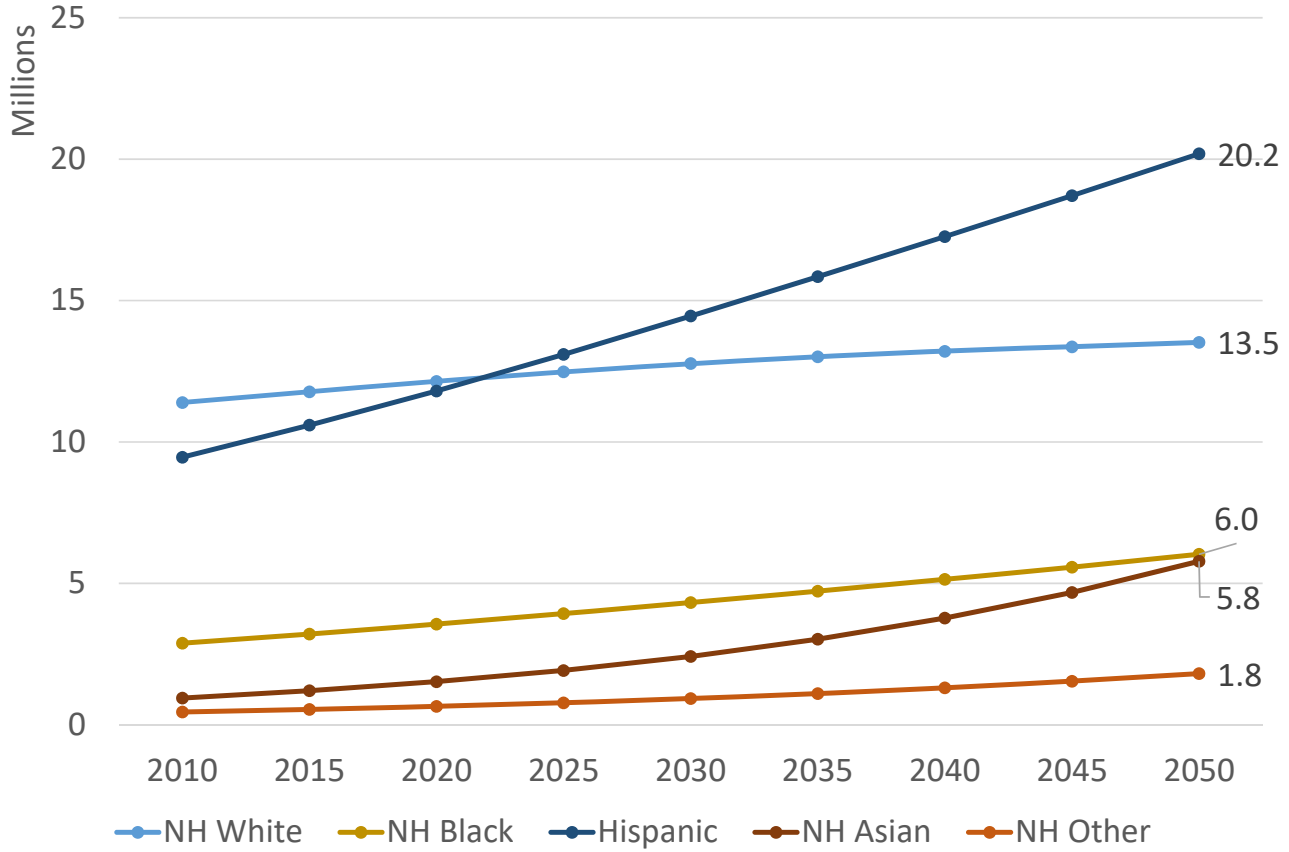
Migration rates between 2010 and 2015 were somewhat lower than migration rates observed in Texas between 2000 and 2010. This updated scenario yields a state population approaching 47.3 million by 2050, which represents an 88.3 percent increase over that period.

Projected Geographic Distribution of the Population

Our population projections suggest the majority of Texas counties will experience continued steady population growth between 2010 and 2050. This is especially the case for suburban

https://demographics.texas.gov/Resources/publications/2019/20190925_PopProjectionsBrief.pdf

TDC Population Projections by Race/Ethnicity, Texas, 2010-2050



Source: Texas Demographic Center, 2018 Vintage Population Projections, 2010-2015 Migration Scenario

Other Texas Demographic Center Special Projections

- TxDOT One Stop
  - https://idserportal.utsa.edu/txdot/onestop/Default.aspx
  - Including special projections: Household, Household income distribution/median income, Families in poverty, Vehicle Ownership, Labor force, Disability [available 2021]

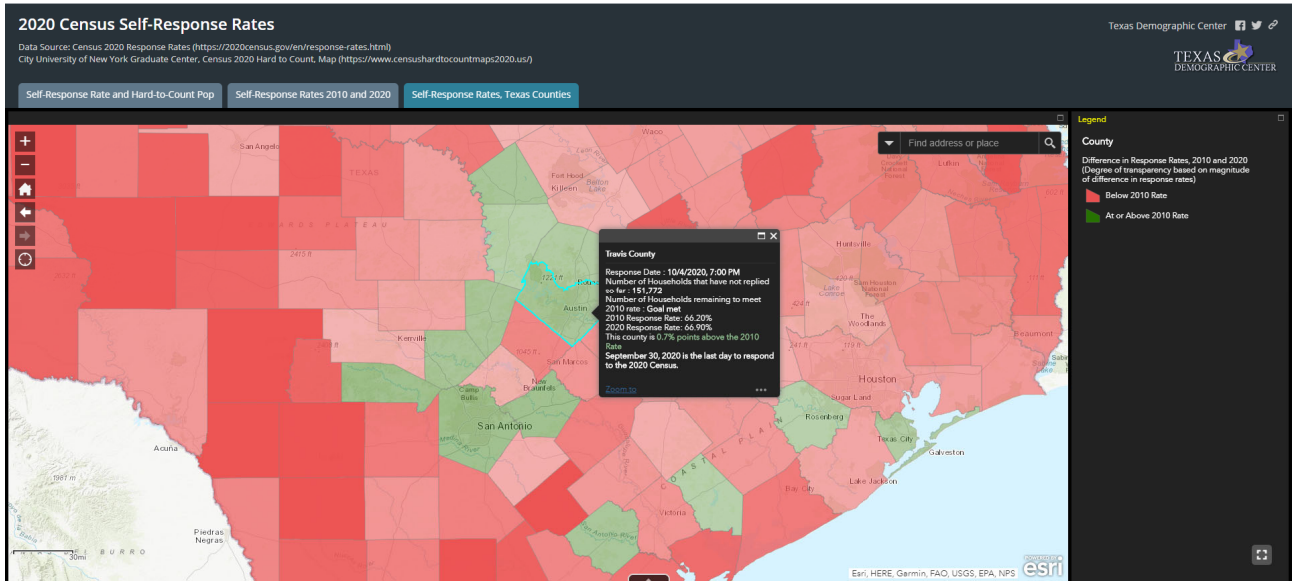
- Methodist Healthcare Ministries
  - Obesity/Overweight, Diabetes, and Health Insurance projections

- Governor's Office Workforce Investment Council
  - Projections of the Need for Adult Based Education Services

- TDC Special Projections
  - Projections of: school enrollment, educational attainment of the labor force, medical workforce need

Texas Demographic Center Data and Data Products

- TDC 2020 Census Resources
  - Map and dashboard
  - Static maps
  - Redistricting resources



Texas Demographic Center Data and Data Products

- TxDOT One Stop
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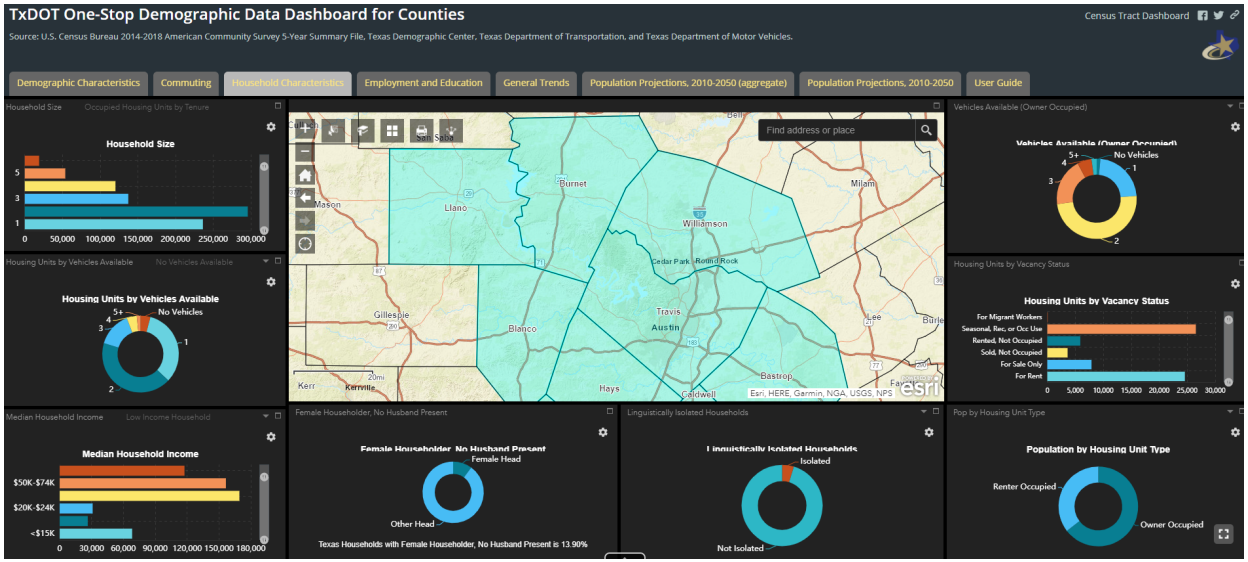
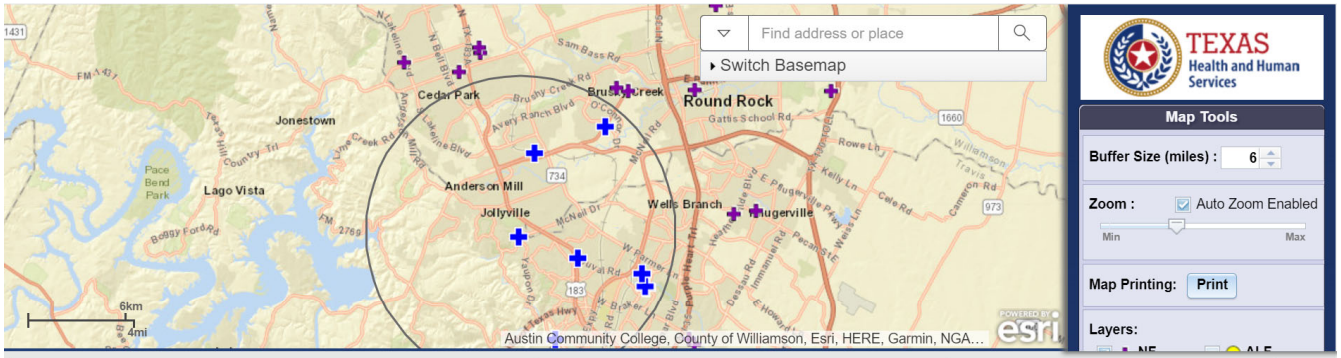


Texas Demographic Center Data and Data Products

- Texas Health and Human Services Nursing Facilities

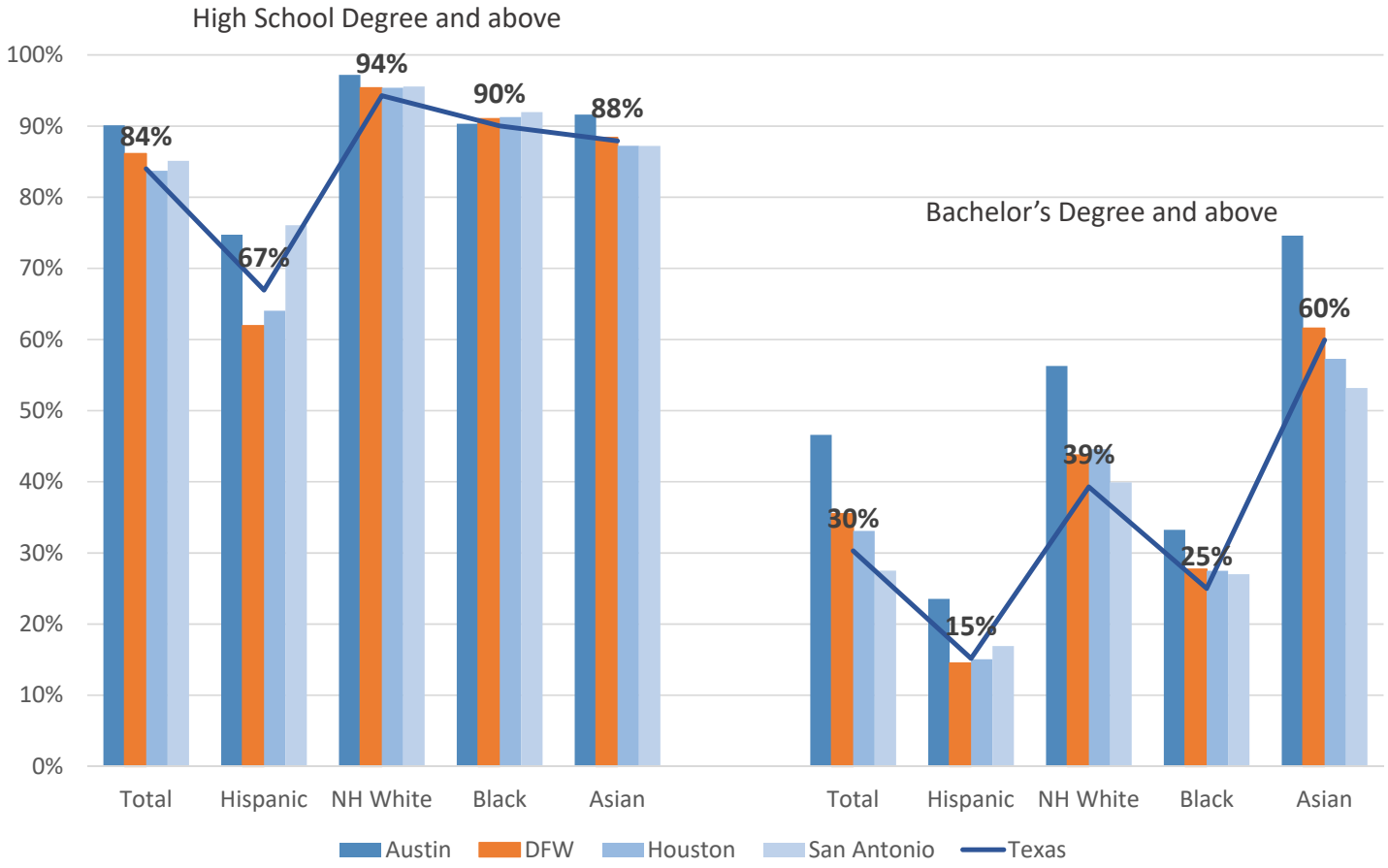


Facility Info				Capacity (Beds)						ZCTA						
										ZCTA Code	2018 ACS Median HH Income		2010 Population Density (sq mi)	2018 ACS Population		County
Facility Type	Facility ID	Facility Name	City	Licensed Only	Medicare	Medicaid	Medicaid/ Medicare	Alzheimer	Total Licensed		All	65+		Total	%65+	
NF	000262	BROOKDALE SPICEWOOD SPRINGS	AUSTIN	0	46	0	0	0	46	78759	$81,066	$65,794	2,794.45	42,524	14.37	Travis
NF	005356	GRACY WOODS II LIVING CENTER	AUSTIN	0	1	0	109	0	110	78758	$53,547	$42,072	4,747.24	47,470	7.34	Travis
NF	005261	GRACY WOODS NURSING CENTER	AUSTIN	0	2	0	116	0	118	78758	$53,547	$42,072	4,747.24	47,470	7.34	Travis
NF	100244	PARK BEND HEALTH CENTER	AUSTIN	0	1	0	123	0	124	78758	$53,547	$42,072	4,747.24	47,470	7.34	Travis
NF	004970	WINDSOR NURSING AND REHABILITATION CENTER OF DUVAL	AUSTIN	0	0	0	206	0	206	78759	$81,066	$65,794	2,794.45	42,524	14.37	Travis
NF	005270	AUSTIN WELLNESS & REHABILITATION	AUSTIN	0	53	0	67	0	120	78750	$91,585	$68,897	2,001.13	30,847	13.92	Travis
NF	110313	THE CENTER AT PARMER	AUSTIN	80	0	0	0	0	80	78717	$110,095	$69,038	1,751.35	30,218	6.89	Williamson

Census Bureau Data and Data Products

- American Community Survey
  - Over 40 demographic, socioeconomic, and household characteristics
  - Data.census.gov
  - 1-Year Estimates
  - 5-Year Estimates

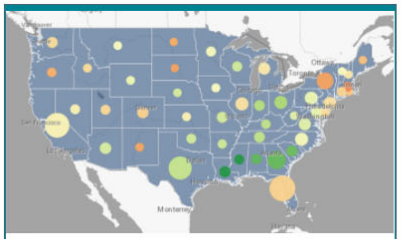
American Community Survey 1-Year Estimates



Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates

Census Bureau Data and Data Products

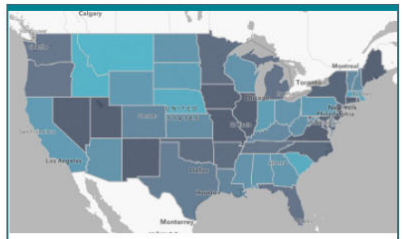
- COVID HUB https://covid19.census.gov/
  - Household and Small Business Pulse Surveys: measure social and economic impacts during the pandemic
  - Community Resilience Estimates: identify areas with up to 3 risk factors present
  - Business Formation Statistics



Weekly Business Formation Statistics

The BFS provide timely and high frequency information on new business applications and formations in the United States.

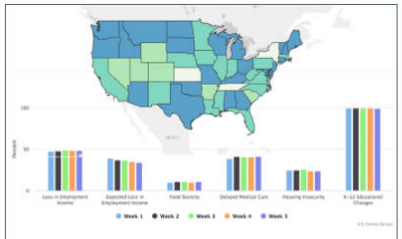
Dashboard



Weekly Small Business Pulse Survey

This experimental survey measures the changes in business conditions on our nation's small businesses during the coronavirus (COVID-19) pandemic.

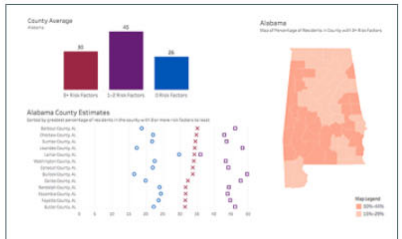
Dashboard



Weekly Household Pulse Survey

This is a 20-minute online survey studying how the COVID-19 pandemic is impacting households across the country from a social and economic perspective.

Go to



Community Resilience Estimates (CRE)

The capacity of individuals and households within a community to absorb, endure, and recover from the health, social, and economic impacts of a disaster.

Go to

Census Bureau Household Pulse Surveys

FAMILIES

Parents Juggle Work and Child Care During Pandemic

Working mothers of school-age children bore the brunt of stay-at-home orders, taking personal leave or juggling childcare while working extra hours.

BUSINESS AND ECONOMY

Self-Employed Adults Hit Harder by Pandemic-Related Business Downturns in Hardest-Hit States

Combining the experimental Household and Small Business Pulse surveys reveals demographic differences in the impact of pandemic on self-employed workers.

POPULATION

Low-Income and Younger Adults Hardest Hit by Loss of Income During COVID-19

The Census Bureau's new Household Pulse Survey provides vital insight into how adults are faring during the COVID-19 pandemic and who is hardest hit.

https://www.census.gov/library/stories.html

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Texas's Most Vulnerable Populations

In this Brief:

Recent studies conducted during the pandemic have helped to identify subsets of the population most impacted by the coronavirus and the ensuing economic recession. We use the recently released 2019 American Community Survey one-year summary data to estimate Texas's most vulnerable populations, their share of the population, and explore some of their pre-existing challenges, specifically around housing and food insecurity and health insurance status. Our findings show:

- Disparities in household income leave Blacks and Hispanics at a greater disadvantage when facing income losses during the pandemic
- Renters, renters with lower incomes, Blacks, and households with children are the most vulnerable to housing insecurity and risk of eviction
- Food insecurity and need for assistance is a reality for many Texans, especially female-headed households, even prior to the pandemic
- Persistently low health insurance coverage in the state increases vulnerability of Texans with employer-based coverage and further compounds challenges faced by the uninsured working poor.

September 2020

On March 13, 2020, Governor Greg Abbott declared a state of disaster in Texas due to COVID-19. As more data became available, we were able to understand the impact of the novel coronavirus and which groups faced the greatest health risks. In addition to the threats to health and safety, COVID-19 wreaked havoc on the Texas economy, with over 1.6 million unemployed in April.[1] Recent studies using data from the Census Bureau's Household Pulse Survey and other surveys taken after the pandemic, have helped to identify the subsets of the population most impacted by the coronavirus and the pandemic-induced economic recession. Although the newly released 2019 American Community Survey (ACS) one-year estimates data do not allow direct evaluation of the impact of the pandemic because the data were collected prior to its occurrence, the ACS includes demographic, social, economic, and housing characteristics that will help us to identify the subsets of the Texas population who were most vulnerable as we entered into the pandemic. In this brief, we

Figure 1. Median Household Income (Adjusted for Inflation) by Race/Ethnicity, Texas, 2010-2019

Source: U.S. Census Bureau, American Community Survey 2019 1-Year Summary File

https://demographics.texas.gov/Resources/publications/2020/20200918_ACS2019Brief_TexasMostVulnerablePopulations.pdf

Partnering with the Texas Demographic Center

- Contact us with your data needs
  - Simple statistics requests
  - More in-depth demographic studies
  - GIS and other data visualization projects
- Invite us to present to your organization
- Attend our annual Texas Demographic Conference
- Join our Affiliates Network
- Join our Population Estimates and Projections Review Panel

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