

Demographic Trends: Implications for Higher Education in Texas

Presented to

CPUPC



Texas
Demographic
Center

June 27, 2024
Austin, Texas



State Demographer

Dr. Lloyd B. Potter

Affiliated with

The University of Texas
at San Antonio

Major Function

Produce annual population estimates and biennial population projections

Other Services

- Disseminate demographic and socioeconomic information from the Census Bureau and other reliable sources.
- Provide training and technical expertise.
- Custom data analyses.

Partnerships

- U.S. Census Bureau
- TDC Affiliates

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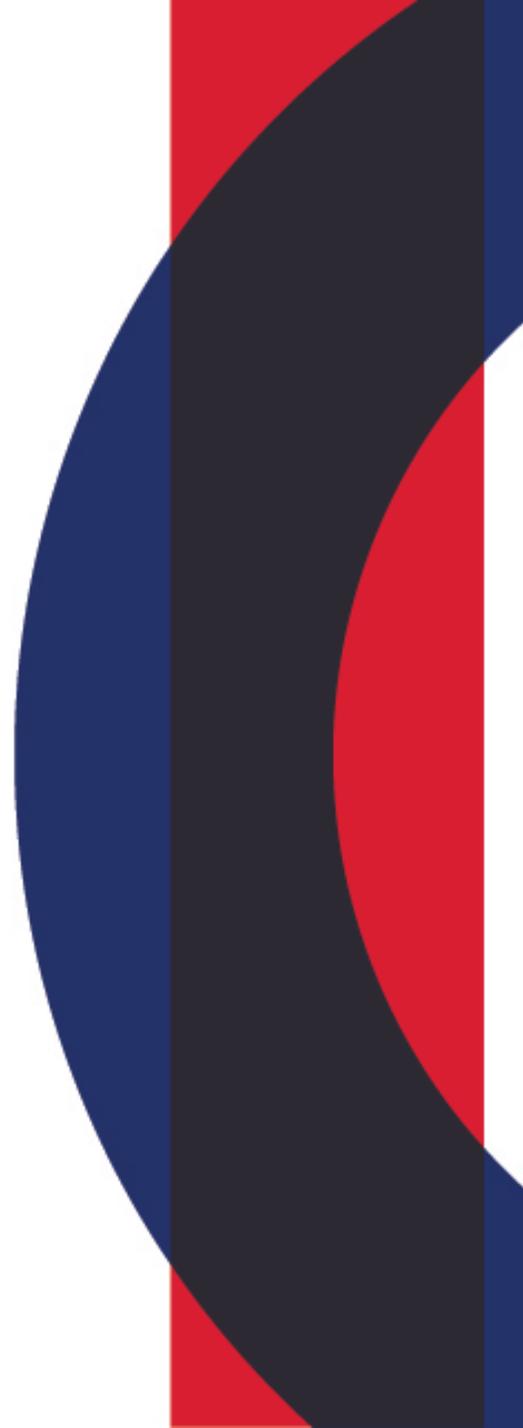


A Look into the Future



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Population Growth and the Drivers of Growth

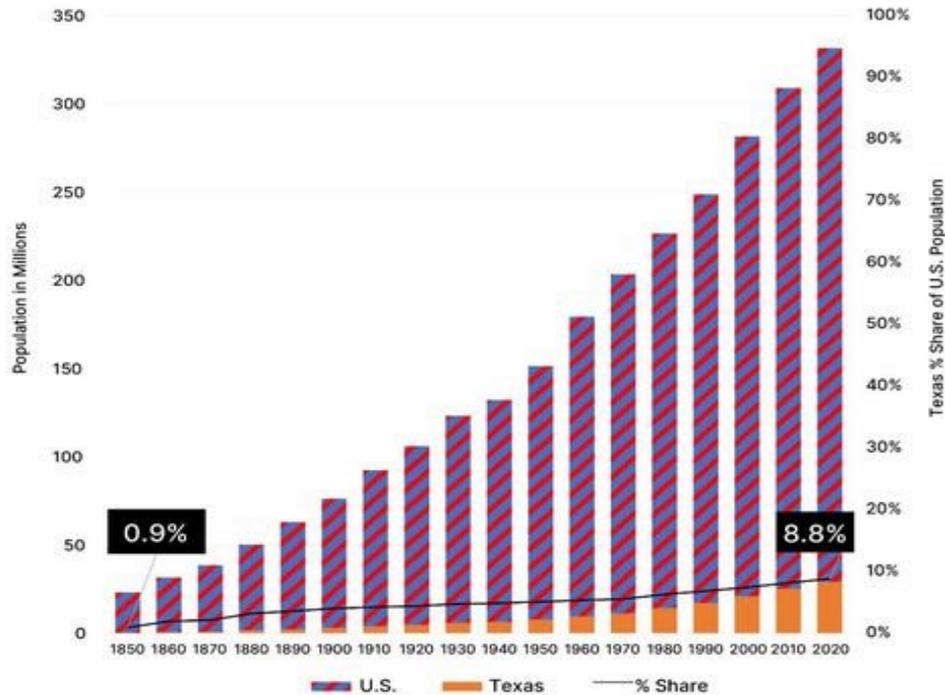


Centuries of Population Growth

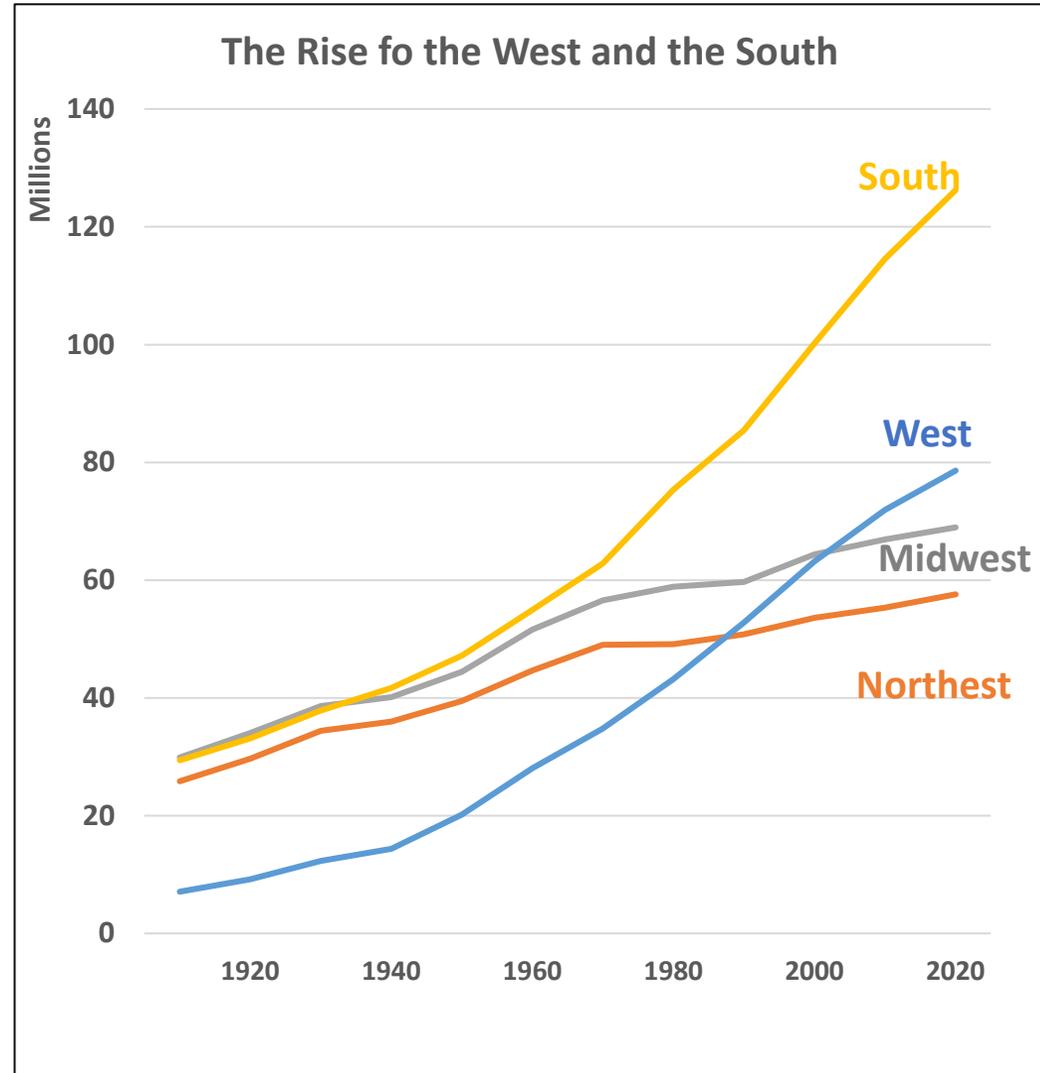


INDEPENDENCE DAY

Texas' share of the U.S. population continues to rise



Source: Decennial Census Counts extracted from IPUMS National Historical Geographic Information System



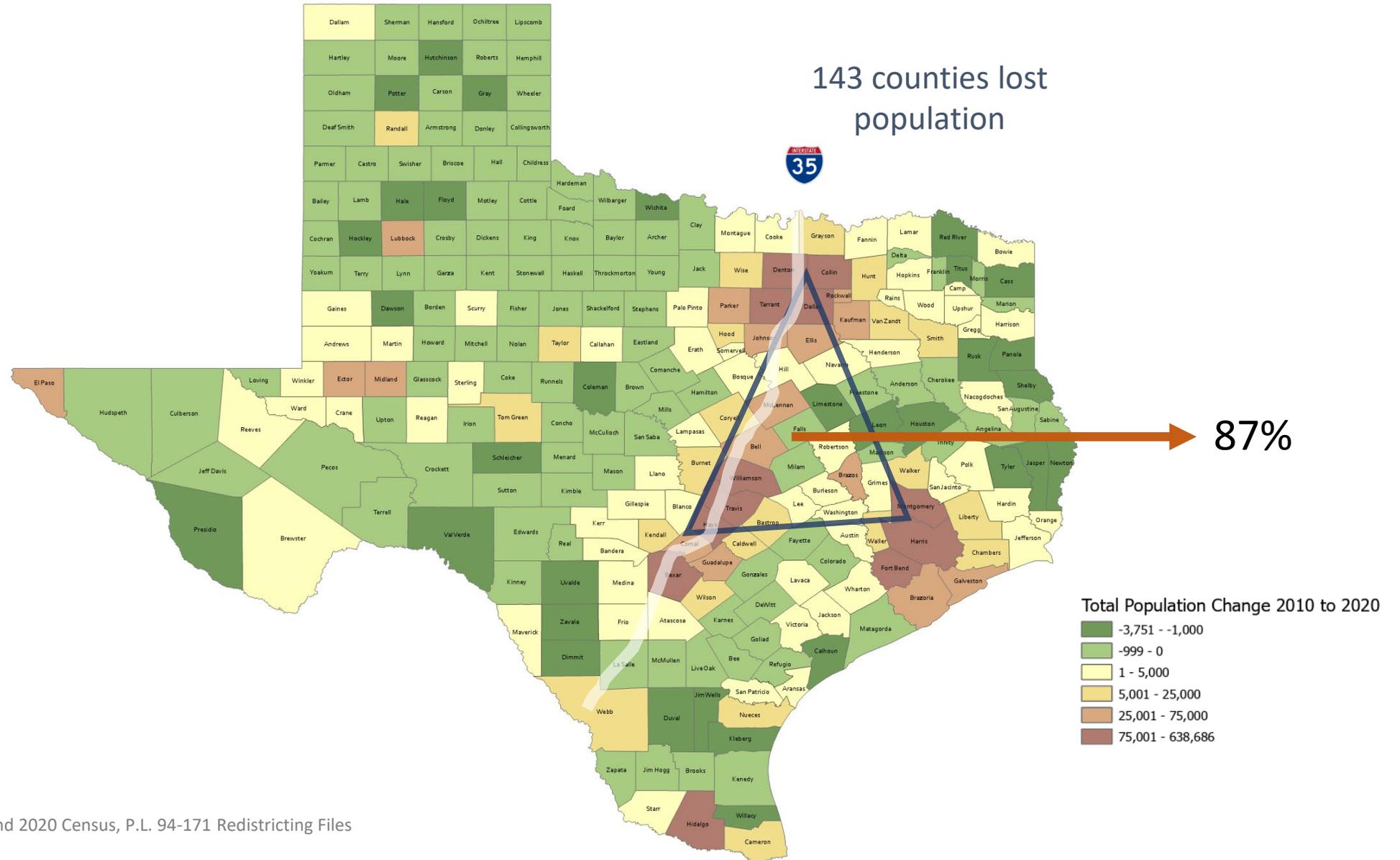
SOURCE: U.S Census Bureau. Historical Population Change Data (1910-2020)

States with Most Population Growth, 2020 to 2023

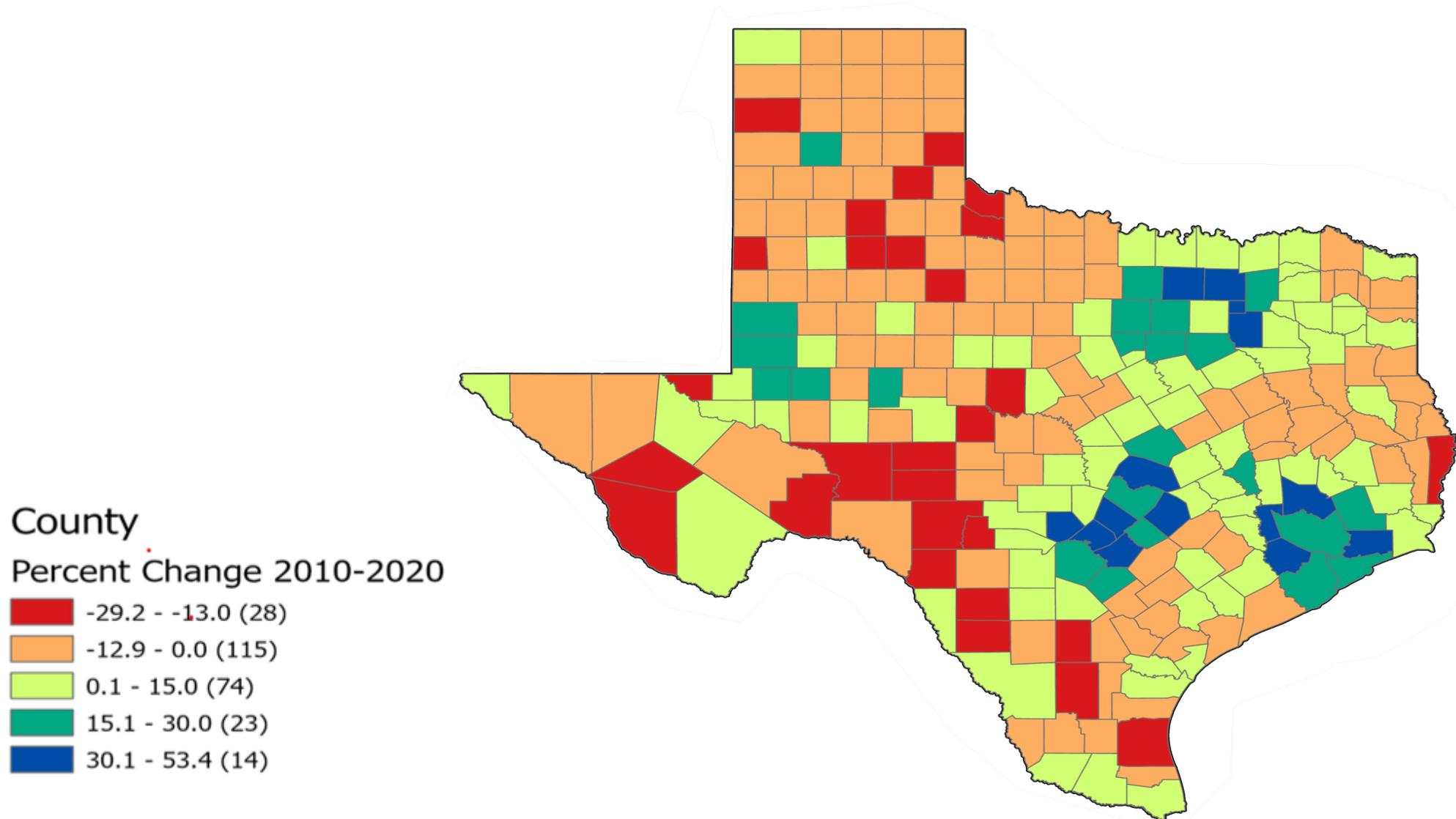
Geographic Area	Population Estimate (as of July 1)				Change 22-23	Rank Change 22-23	Pct. Change 22-23	Rank Pct. Change 22-23
	2020	2021	2022	2023				
United States	331,511,512	332,031,554	333,287,557	334,914,895	1,643,484		0.5%	
Texas	29,234,361	29,561,286	30,029,848	30,503,301	473,453	1	1.6%	3
Florida	21,591,299	21,830,708	22,245,521	22,610,726	365,205	2	1.6%	2
North Carolina	10,453,812	10,567,100	10,695,965	10,835,491	139,526	3	1.3%	5
Georgia	10,732,390	10,790,385	10,913,150	11,029,227	116,077	4	1.1%	10
South Carolina	5,132,151	5,193,848	5,282,955	5,373,555	90,600	5	1.7%	1
Tennessee	6,926,091	6,963,709	7,048,976	7,126,489	77,513	6	1.1%	8
Arizona	7,186,683	7,272,487	7,365,684	7,431,344	65,660	7	0.9%	12
Virginia	8,637,193	8,657,348	8,679,099	8,715,698	36,599	8	0.4%	23
Colorado	5,785,219	5,811,596	5,841,039	5,877,610	36,571	9	0.6%	18
Utah	3,283,982	3,339,284	3,381,236	3,417,734	36,498	10	1.1%	9

New Texans per day 2020-2021 → **902** 2021-2022 → **1,290** 2022-2023 → **1,297**

Numeric Change, Texas Counties, 2010-2020



Percent Change, Texas Counties, 2010-2020



Texas Places with the Largest Numeric Growth from 2022-2023 and Ranks in the U.S.



National Ranking	City	
1	San Antonio	21,970
2	Fort Worth	21,365
7	Houston	11,669
8	Georgetown	9,250
9	Celina	9,110
11	Fulshear	8,678
13	Denton	7,914
16	Conroe	6,689
18	New Braunfels	6,229
23	McKinney	5,906

Source: U.S. Census Bureau, Population Estimates, 2023 Vintage

Note: Ranked among cities with resident population of 20,000 and over.

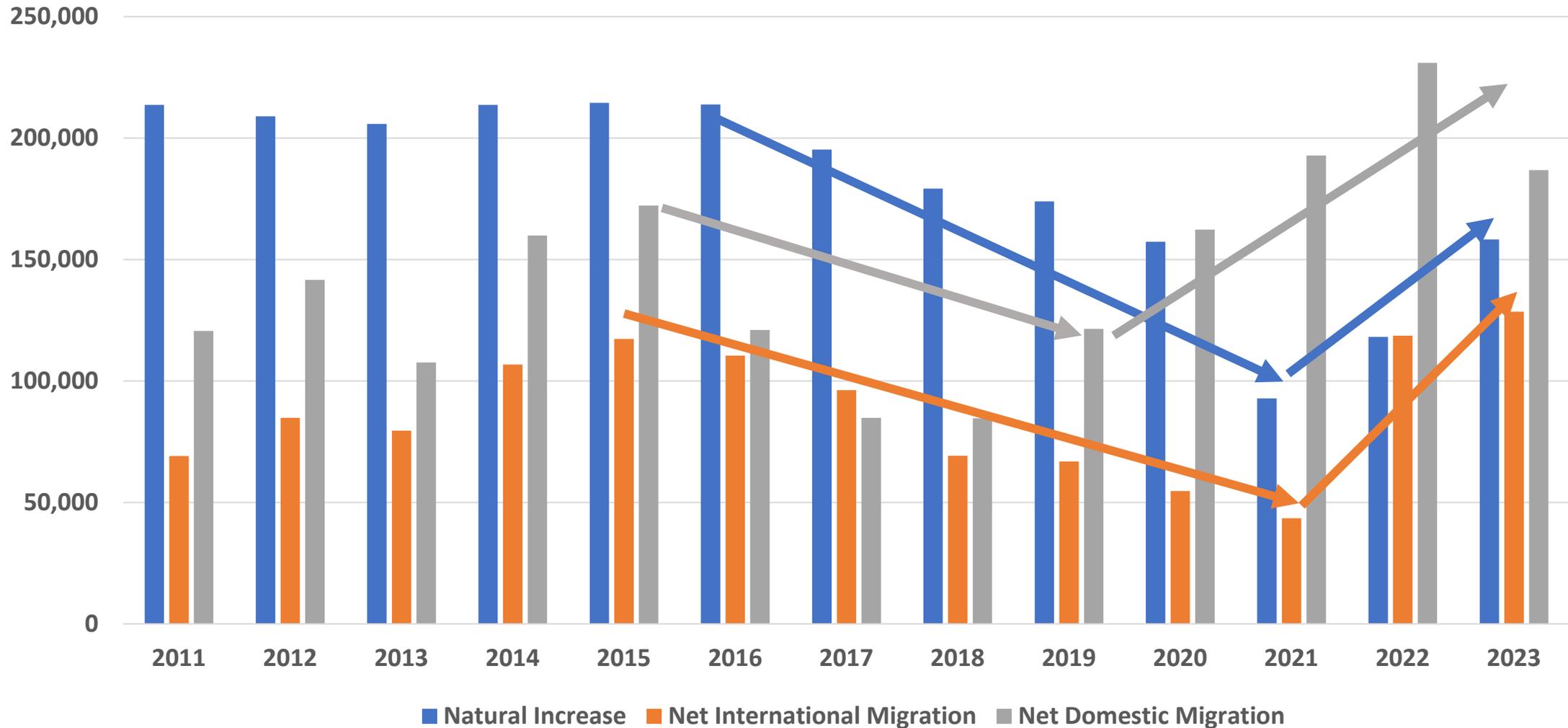
Texas Places with the Fastest Growth Rate from 2022-2023 and Ranks in the U.S.



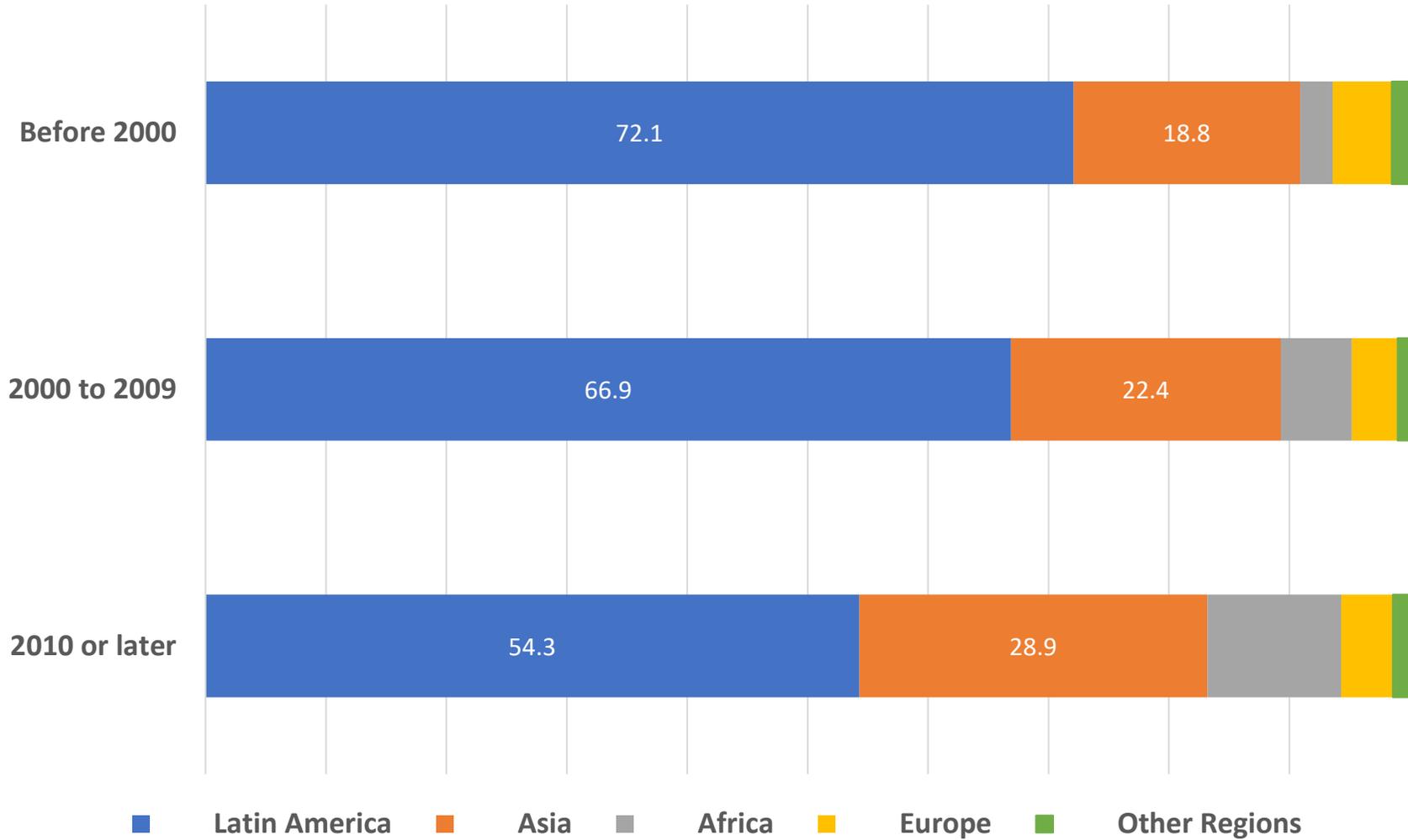
National Ranking	City	Growth Rate
1	Celina	26.6%
2	Fulshear	25.6%
3	Princeton	22.3%
4	Anna	16.9%
8	Gerogetown	10.6%
9	Prosper	10.5%
10	Forney	10.4%
11	Kyle	9.0%
18	Fate	7.9%
21	Seguin	7.8%

Source: U.S. Census Bureau, Population Estimates, 2023 Vintage
 Note: Ranked among cities with resident population of 20,000 and over.

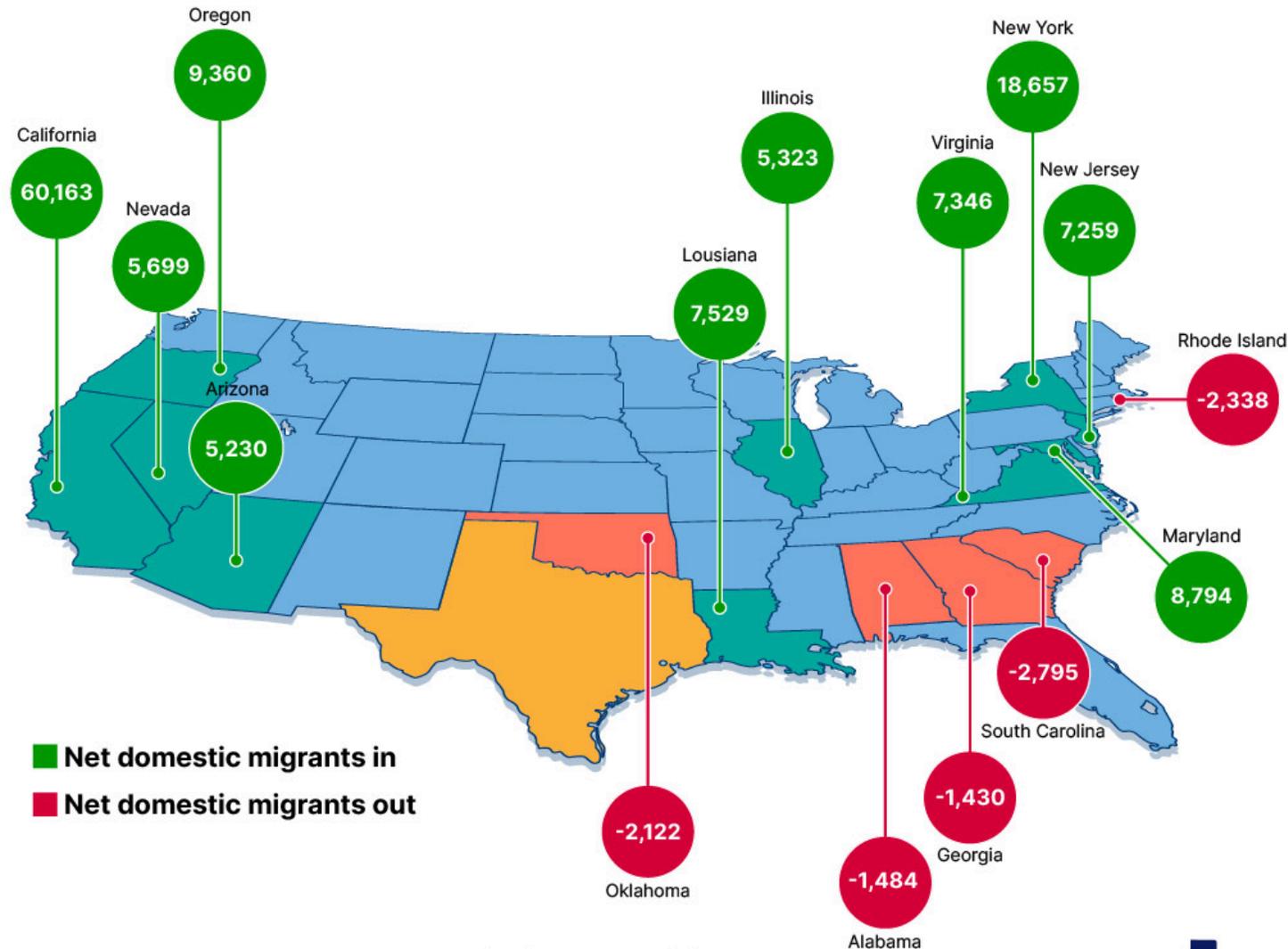
Components of Population Change, Texas, 2011 to 2023



Foreign-Born Population in Texas: World Region of Birth by Year of Entry



Texas State-to-State Net Domestic Migration, 2022



Source: U.S. Census Bureau, 2022 State-to-State Migration Flows Statistics.

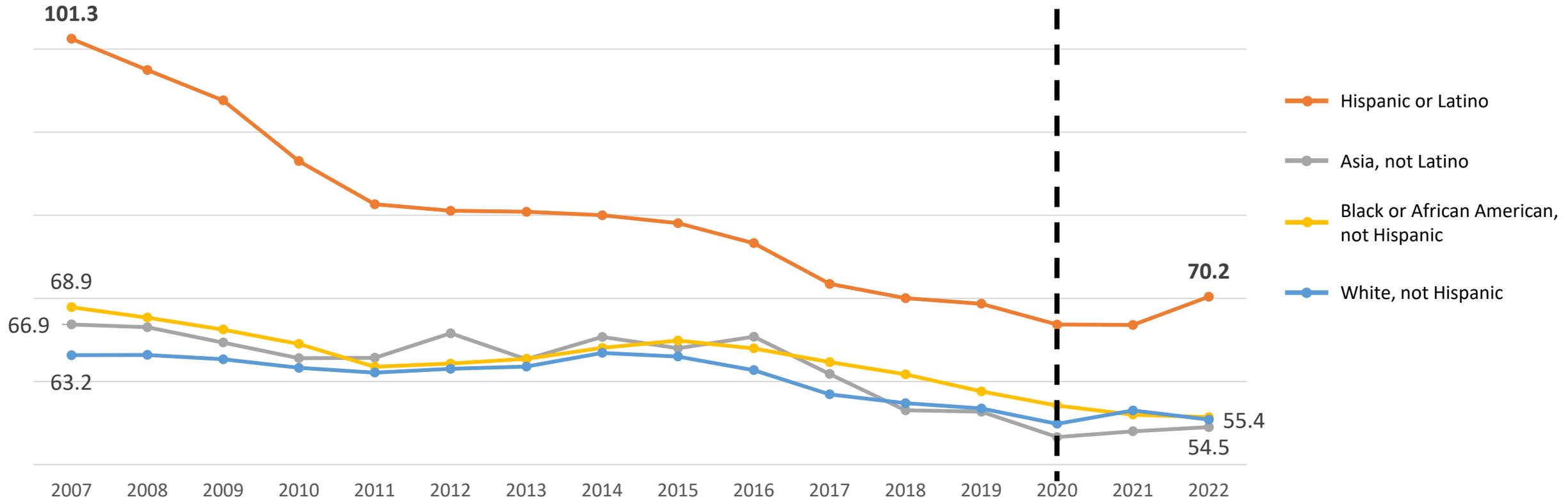
Note: The data displayed are estimates based on a sample survey and are subject to error.

Graph created by the Texas Demographic Center



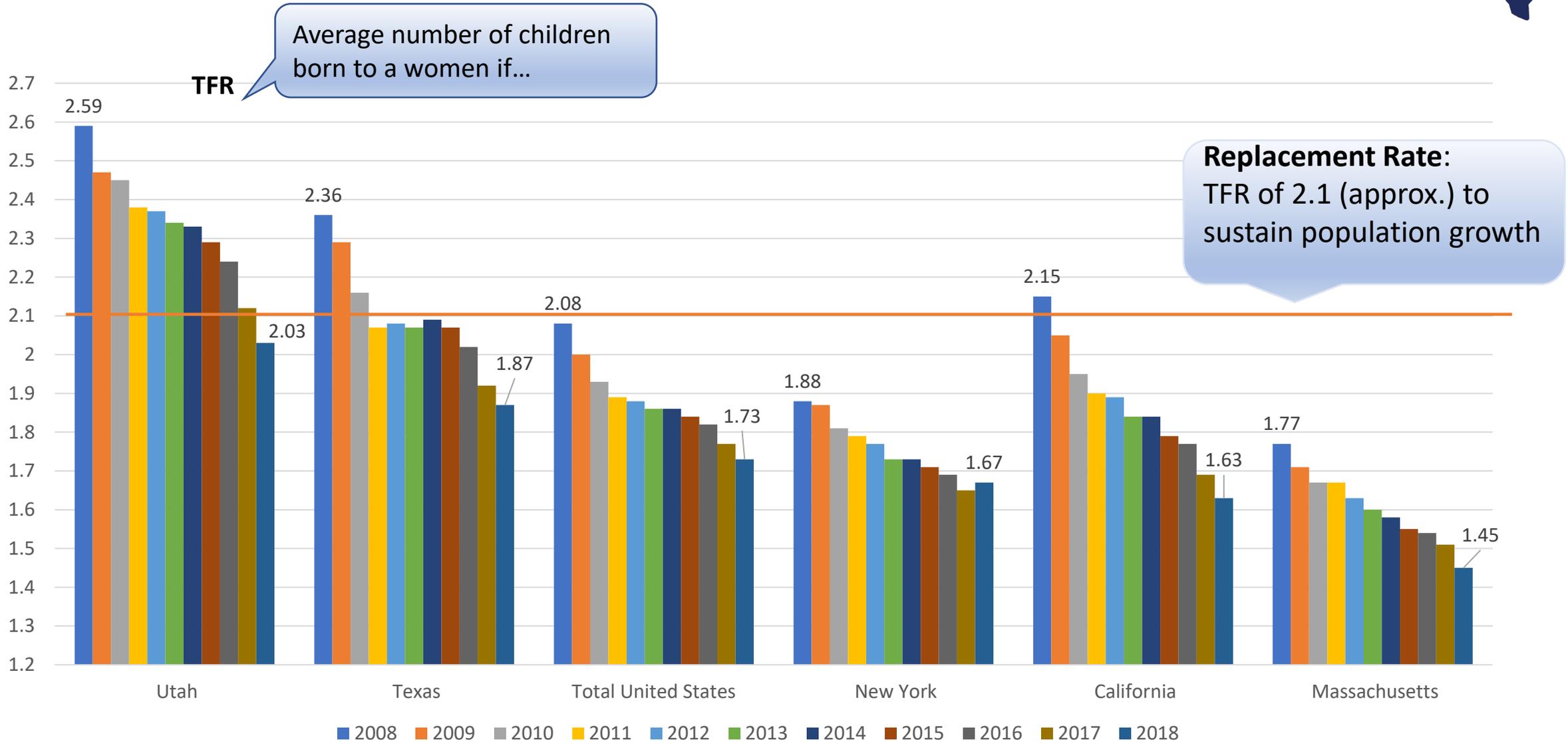
Texas Birth Rates, 2007-2022

Births per 1,000 women aged 15-44



Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Natality on CDC WONDER Online Database, 2007-2022.

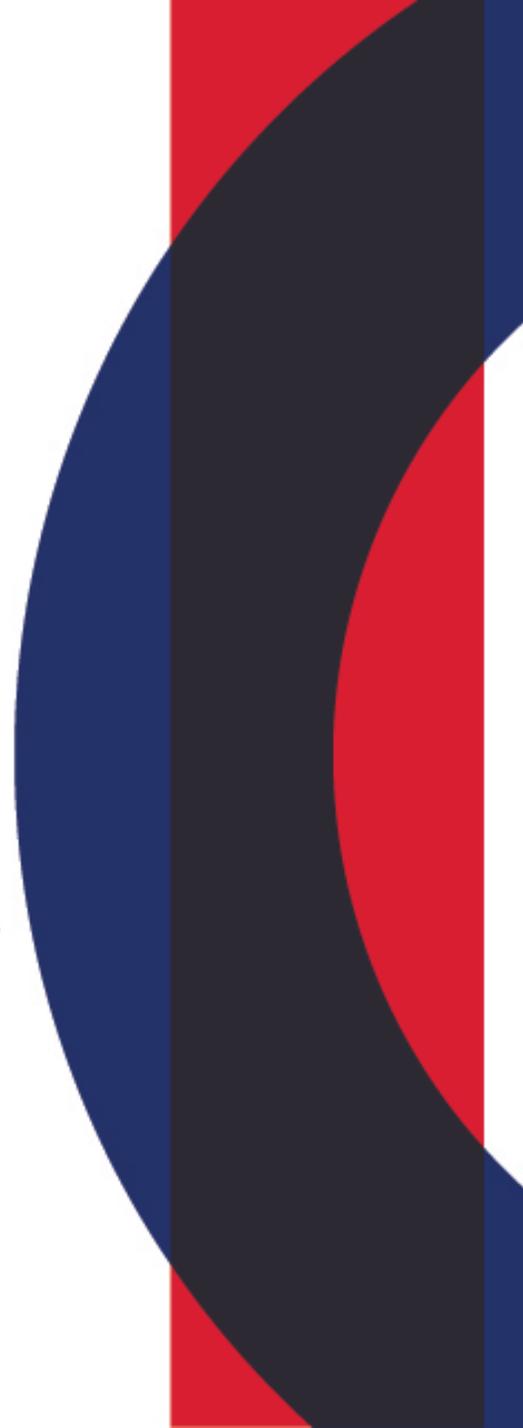
Total Fertility Rate (TFR) for Select States, 2008-2018



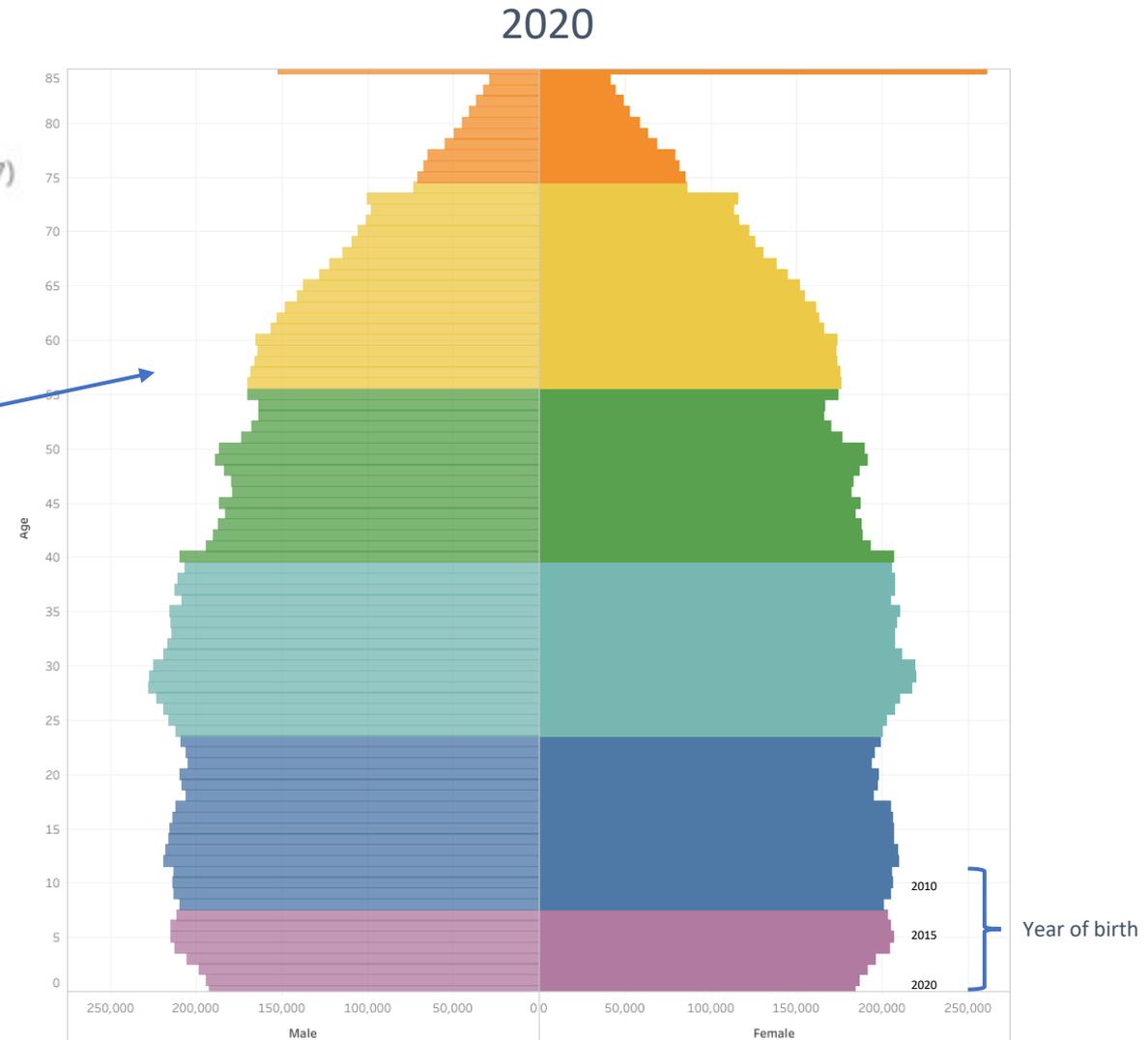
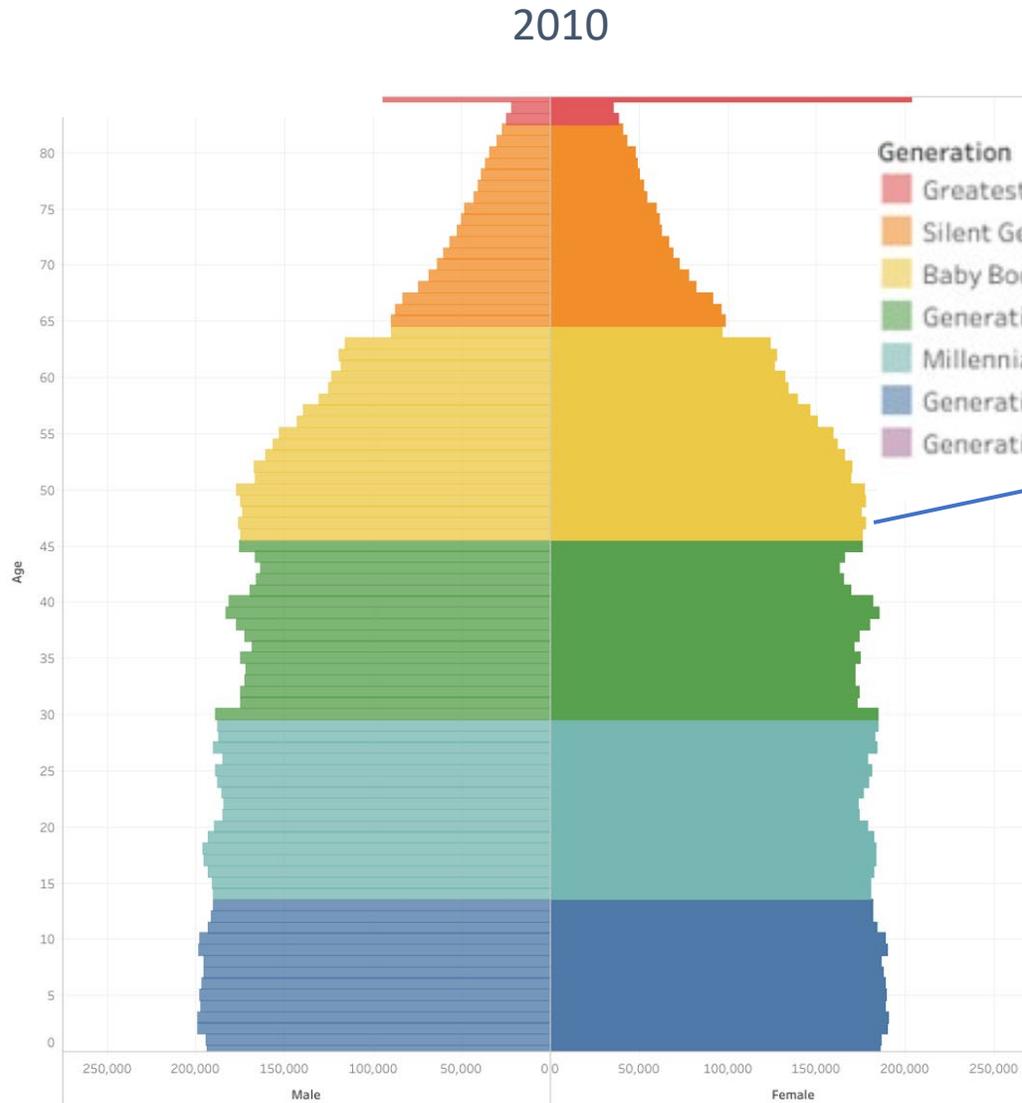


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The Changing Face of Texas



Generational Population Pyramids, Texas, 2010 and 2020

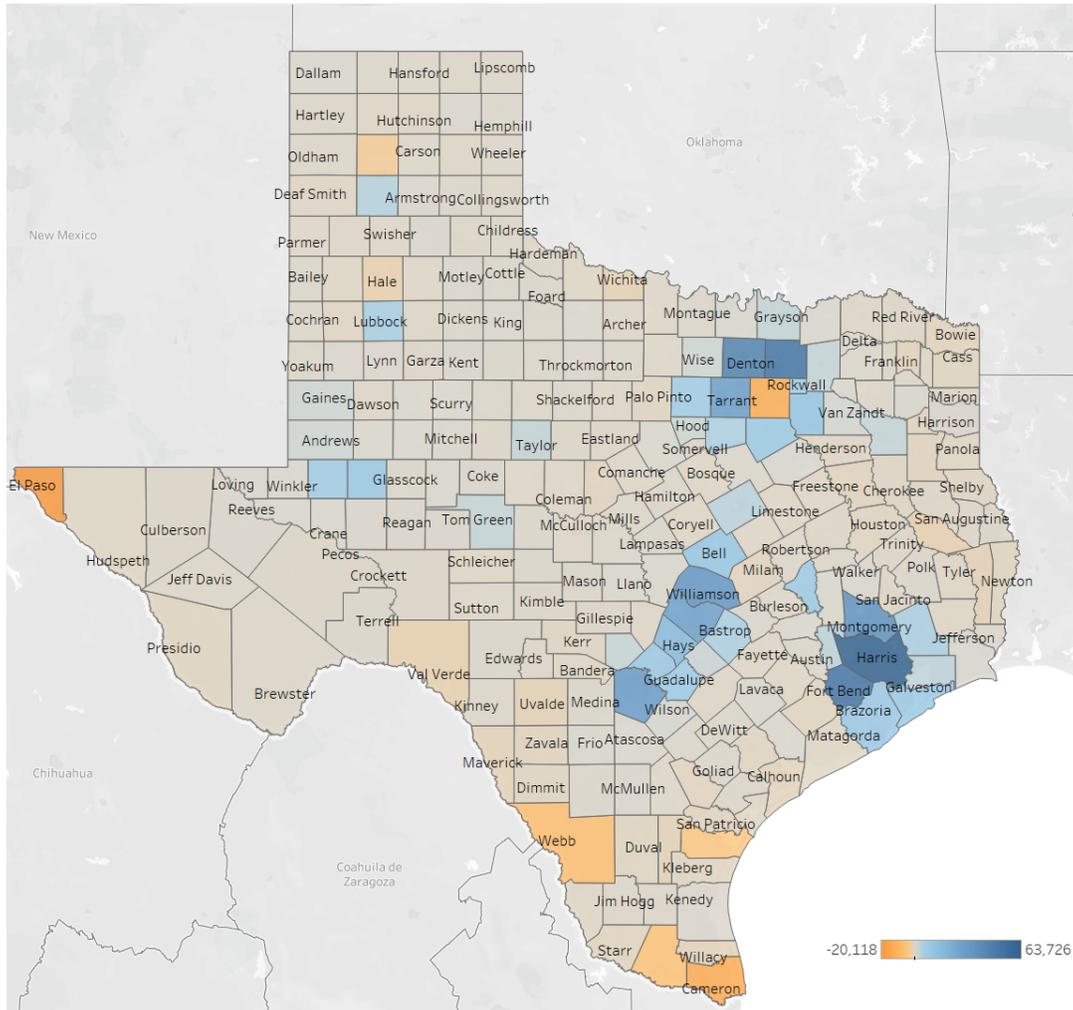


SOURCE: U.S. Census Bureau. 2010 and 2020 Vintage Population Estimates

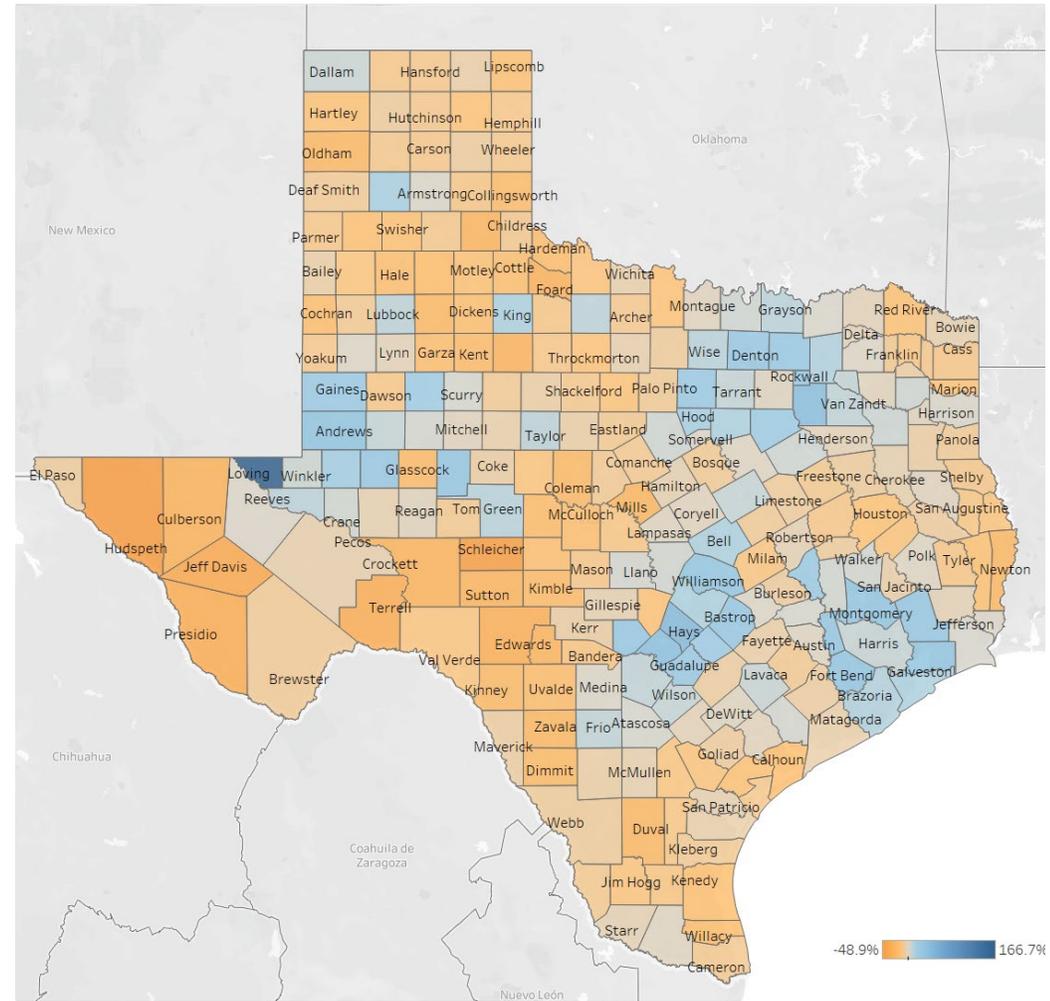
Population Change, Age 0 -17, 2010-2020



Numeric Change, 2010-2020



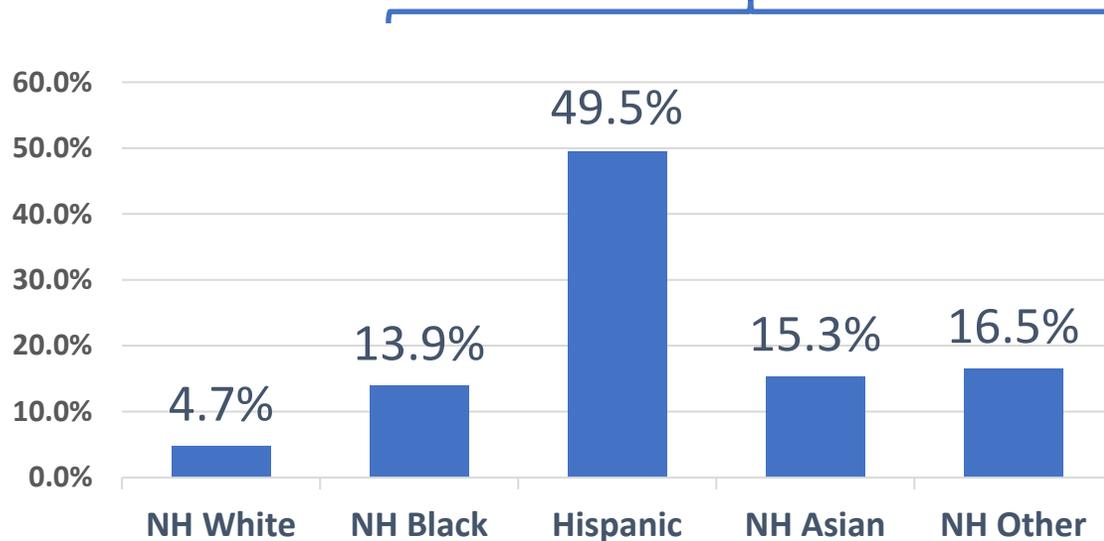
Percent Change, 2010-2020



Racial/Ethnic Contributions to Population Growth, 2010-2020

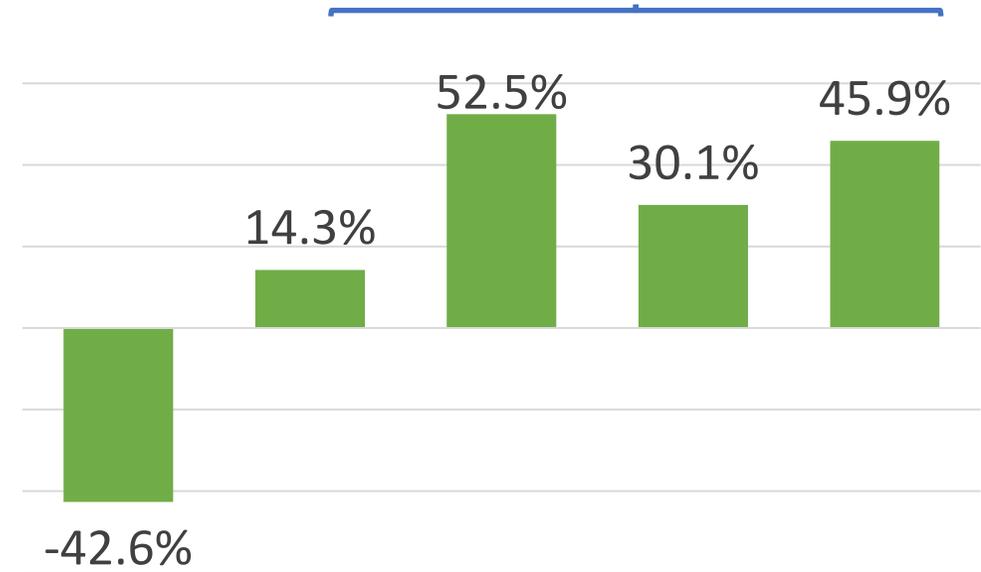


3,999,944 new Texans
95.3% attributable to growth of population of color



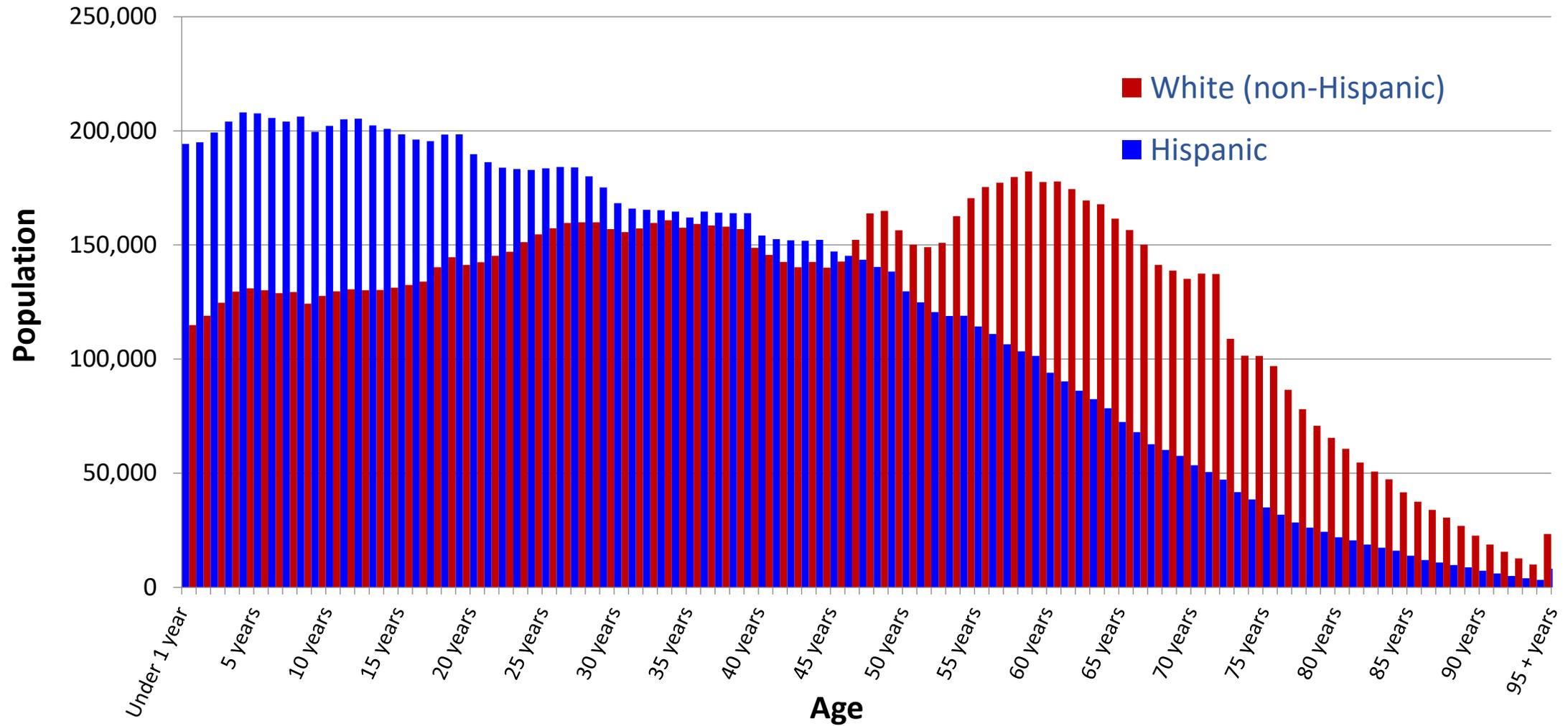
Population All Age

412,981 new Texans under 18
142.6% attributable to growth of population of color



Population 0 -17

Texas White (non-Hispanic) and Hispanic Populations by Age, 2019

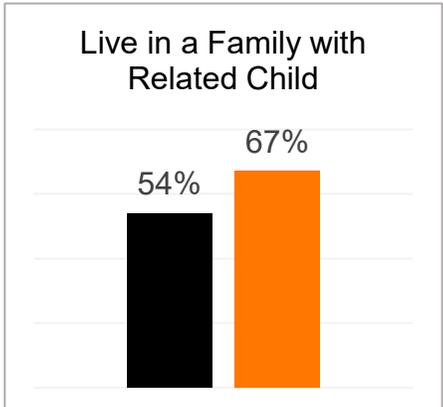
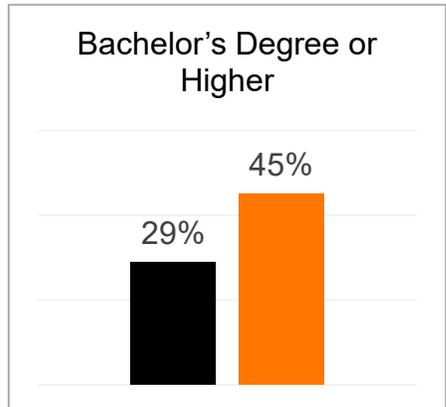
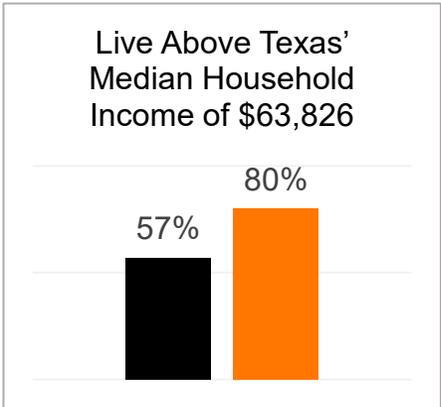
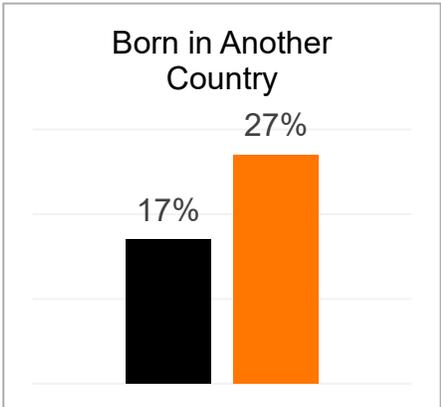
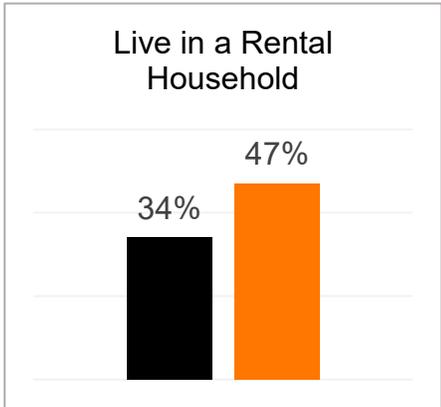
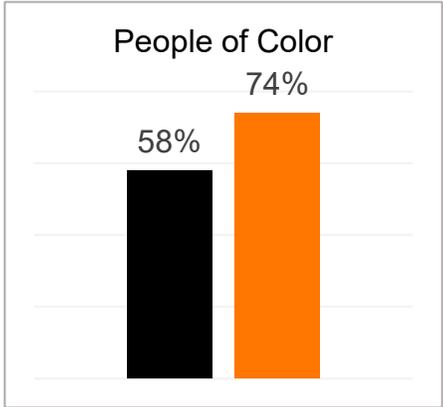
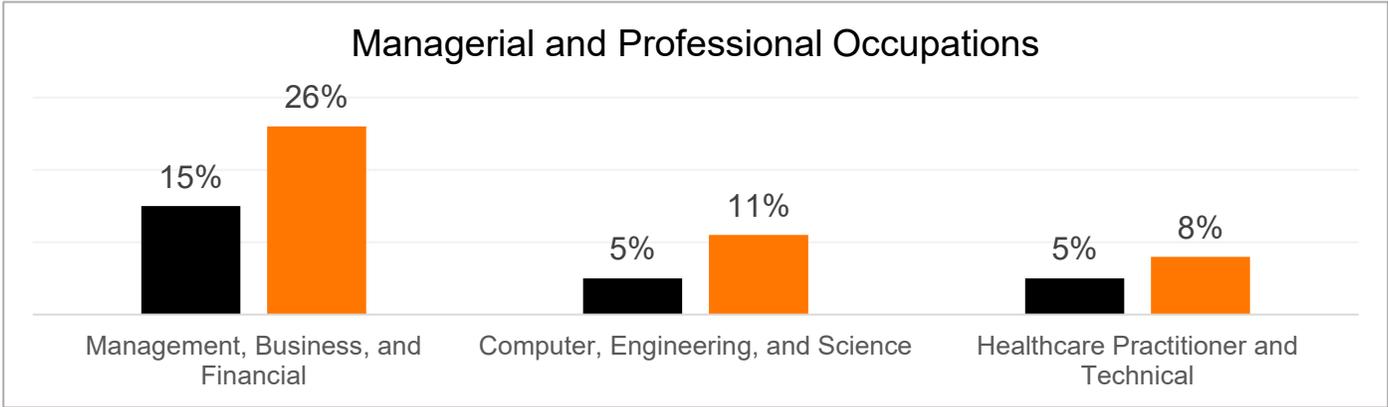
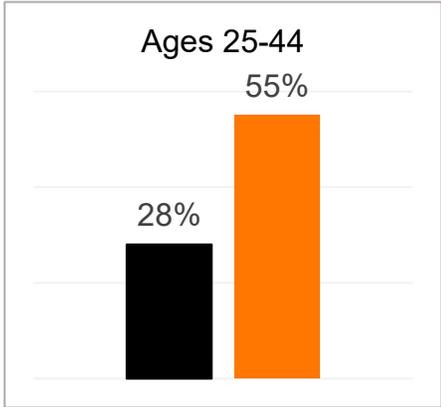


Source: Texas Demographic Center, 2018 Population Estimates

Migration in Texas

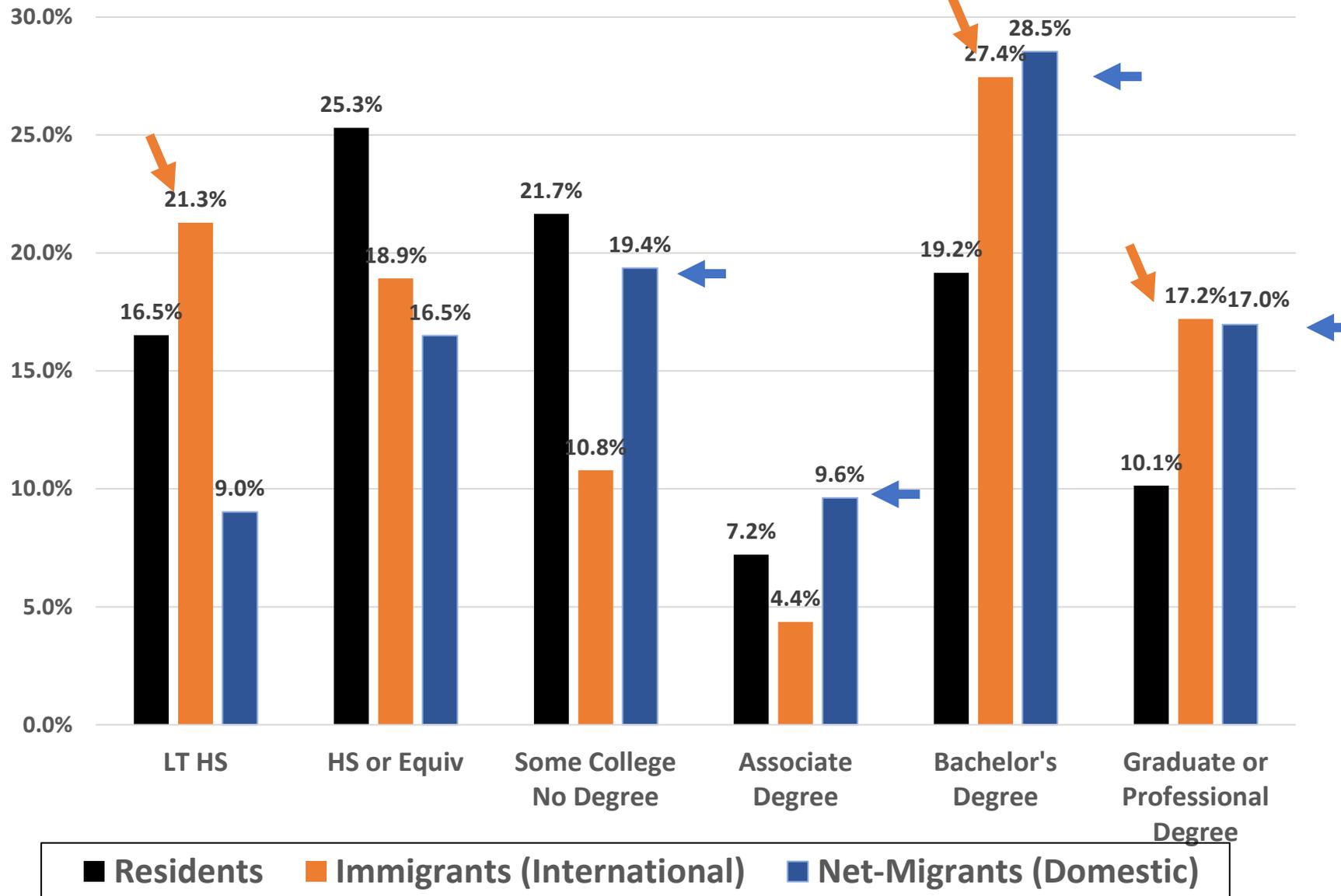
Residents: Current Texas residents who have lived in Texas for a year or more.

Net Domestic Migrants: The difference in the number of people who moved to Texas from another state in the U.S. and those who moved out of Texas in the last year.



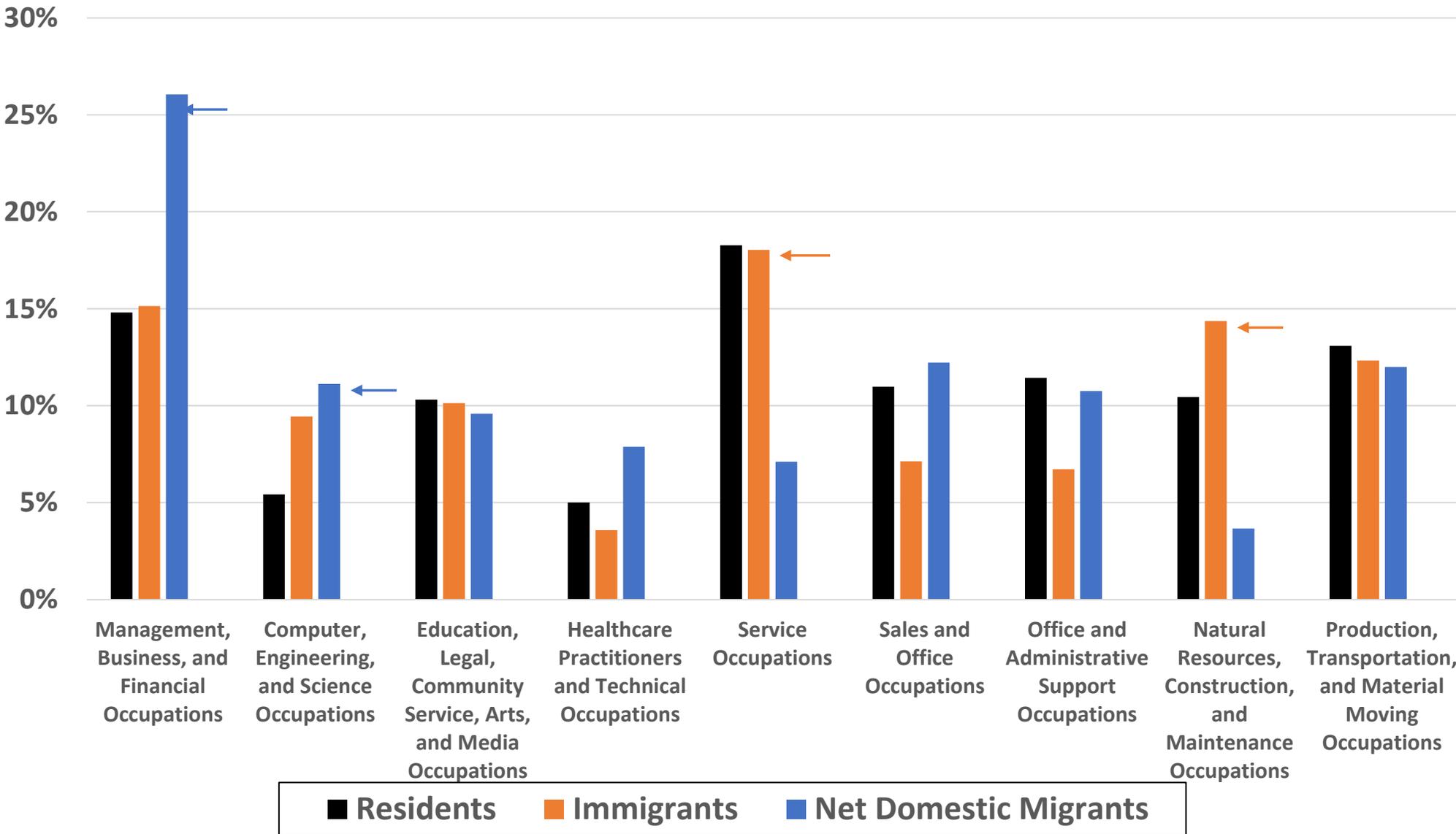
Source: U.S. Census Bureau, 5-Year PUMS 2016-2020

Percent Distribution by Education Attainment of Texas Residents (Non-Migrants), Immigrants (international) and Net-Migrants (domestic) Aged 25 Years and Over, Texas, 2015-2019



SOURCE: US Census Bureau, American Community Survey, PUMS, 5-Year Samples, 2015-2019

Percent Distribution by Occupation of Non-Migrants (Texans) and Net-In Domestic Migrants Aged 25 Years and Over, Texas, 2006-2019

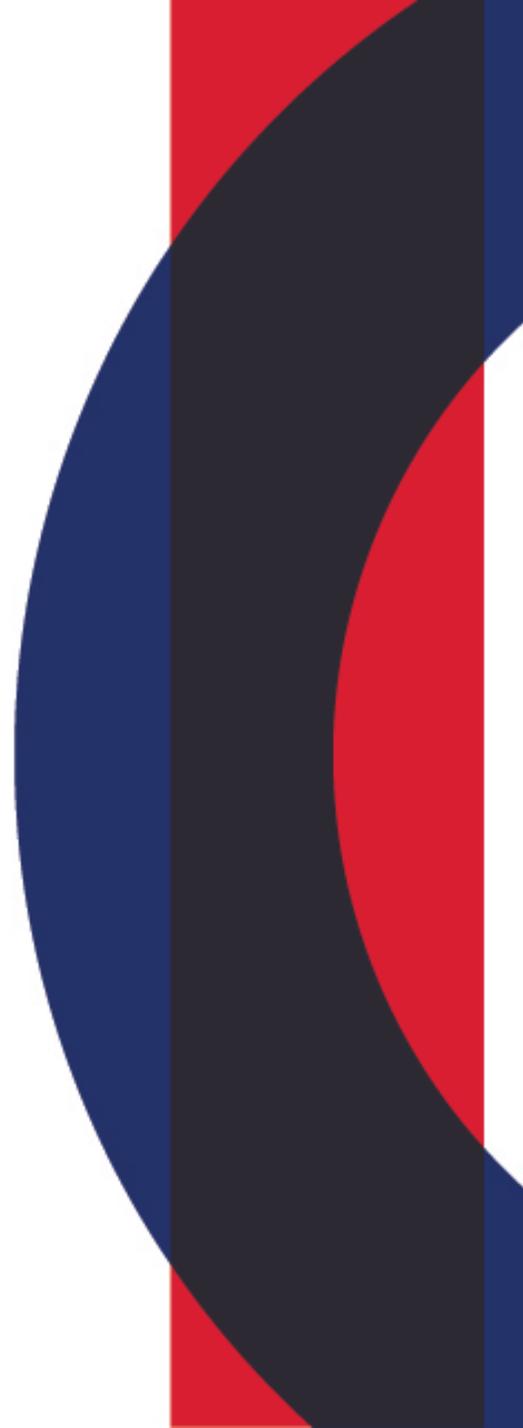


SOURCE: US Census Bureau, American Community Survey, 2006-2020

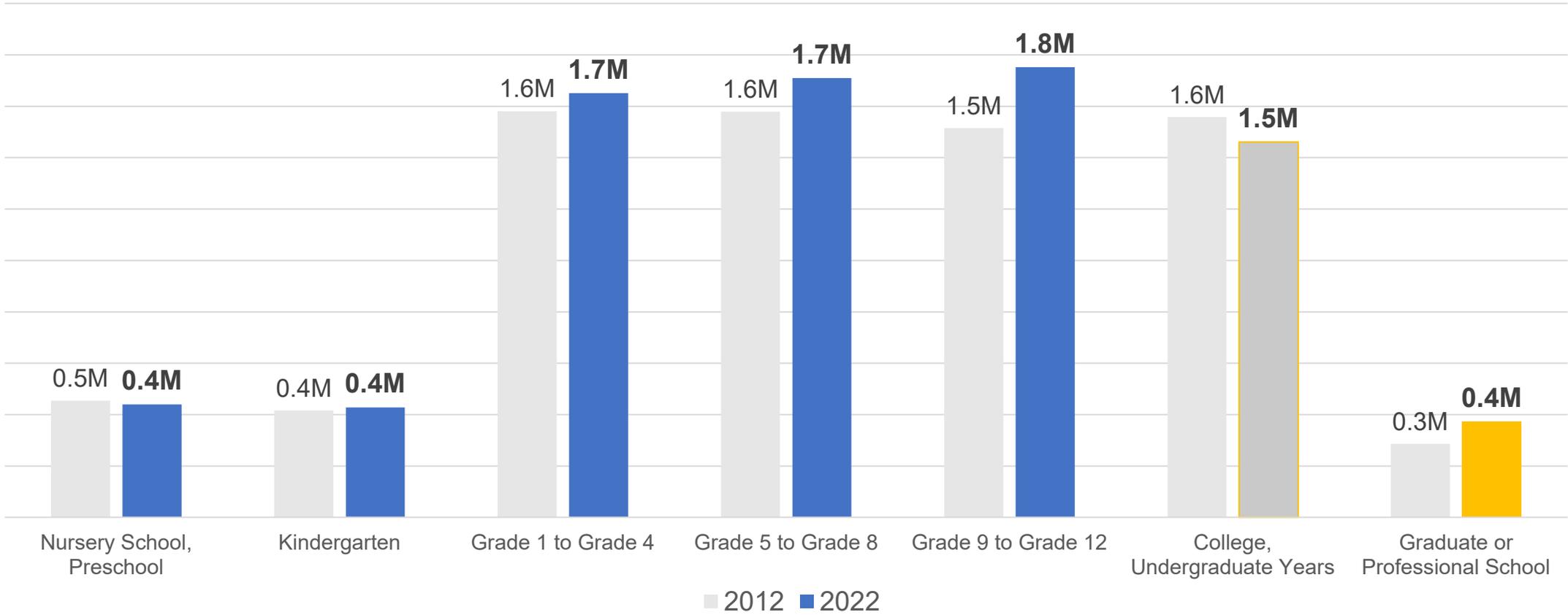


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The Challenges for Texas Higher Education

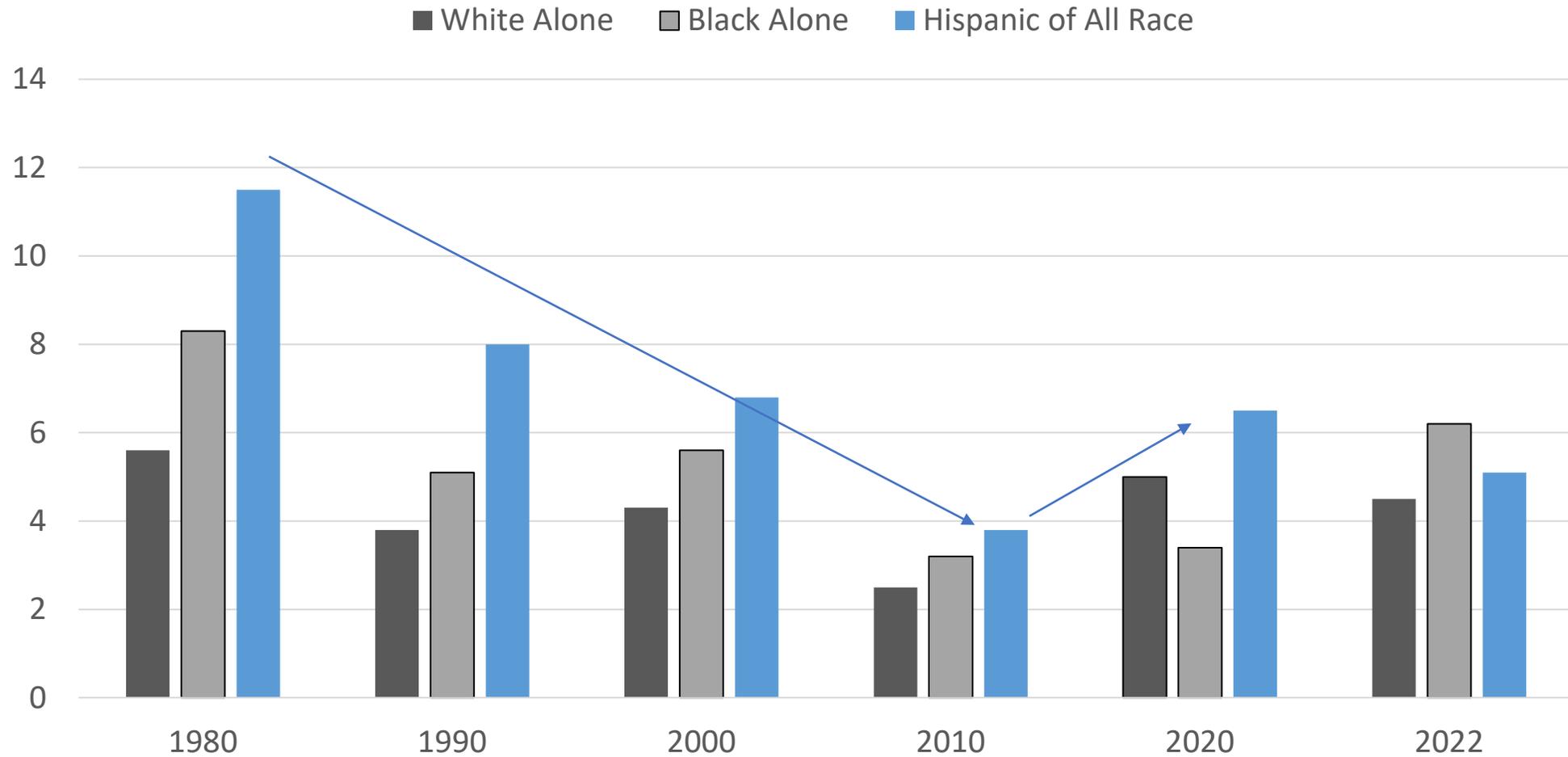


School Enrollment by Grade in Texas, 2012 and 2022



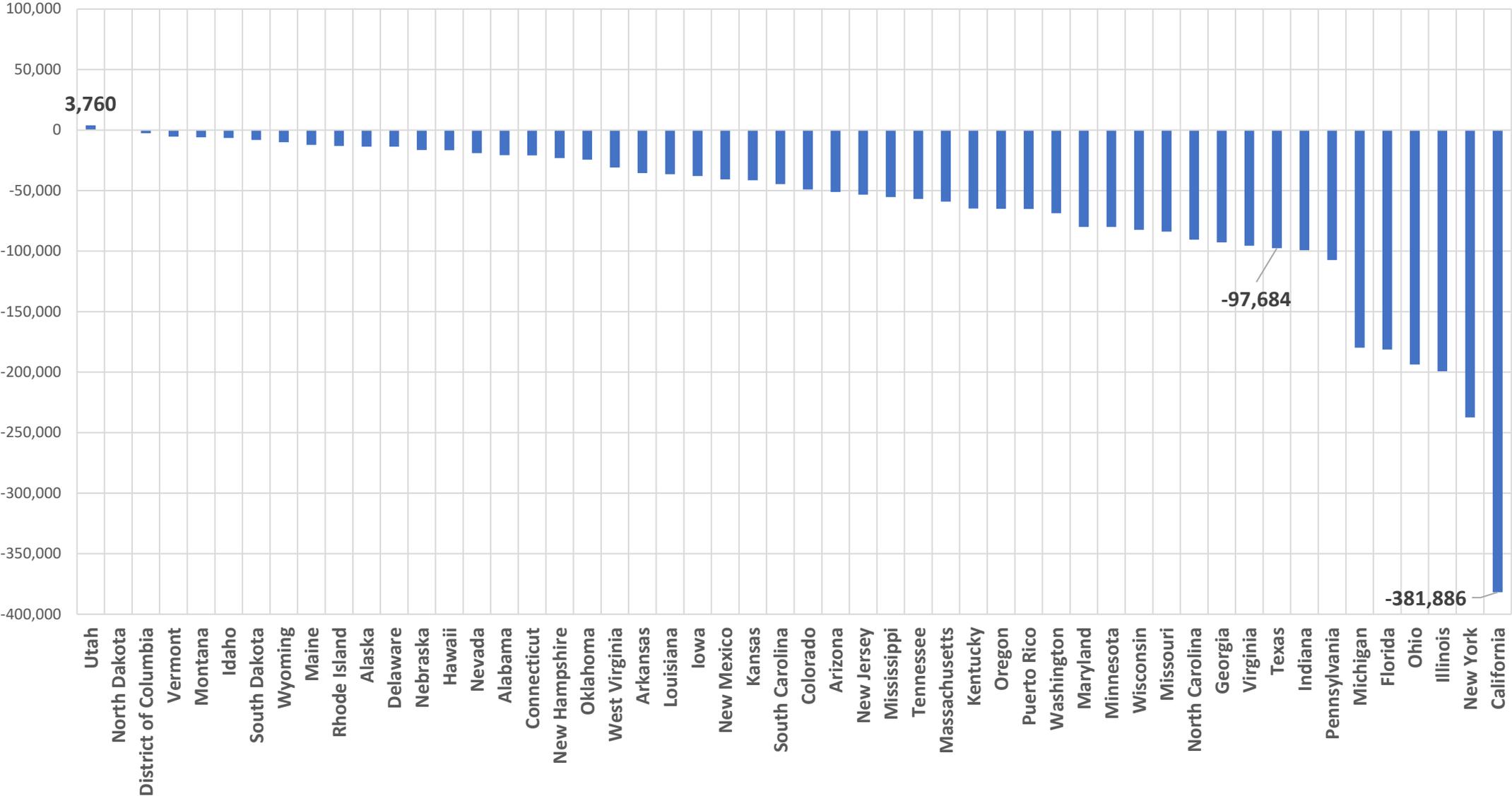
Source: U.S. Census Bureau. American Community Survey 1-Year sample, 2012 and 2022

Grade 10-12 Drop Out Rates by Race/ethnicity, US, 1980-2022



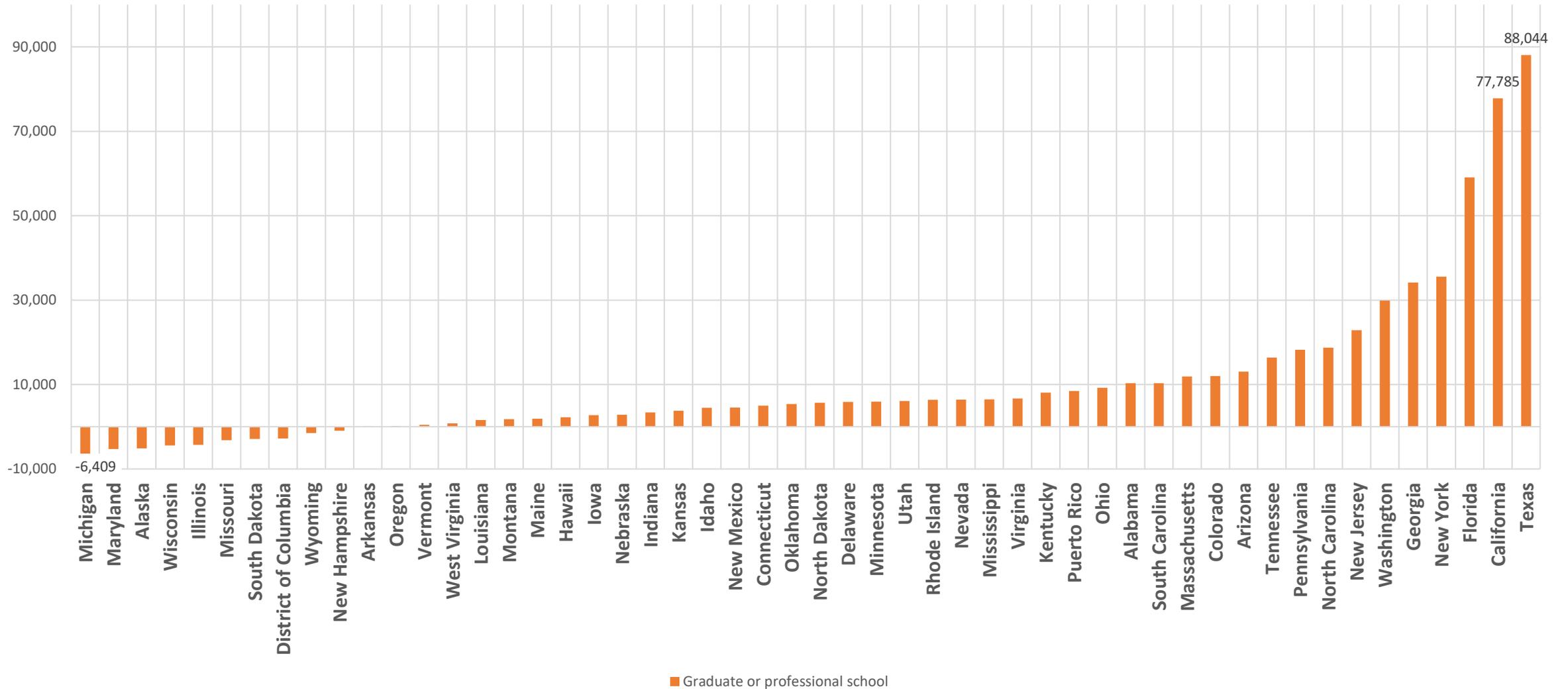
SOURCE: U.S. Census Bureau. CPS Historical Time Series Tables on School Enrollment

Change in undergraduate college enrollment by state, 2012 to 2022

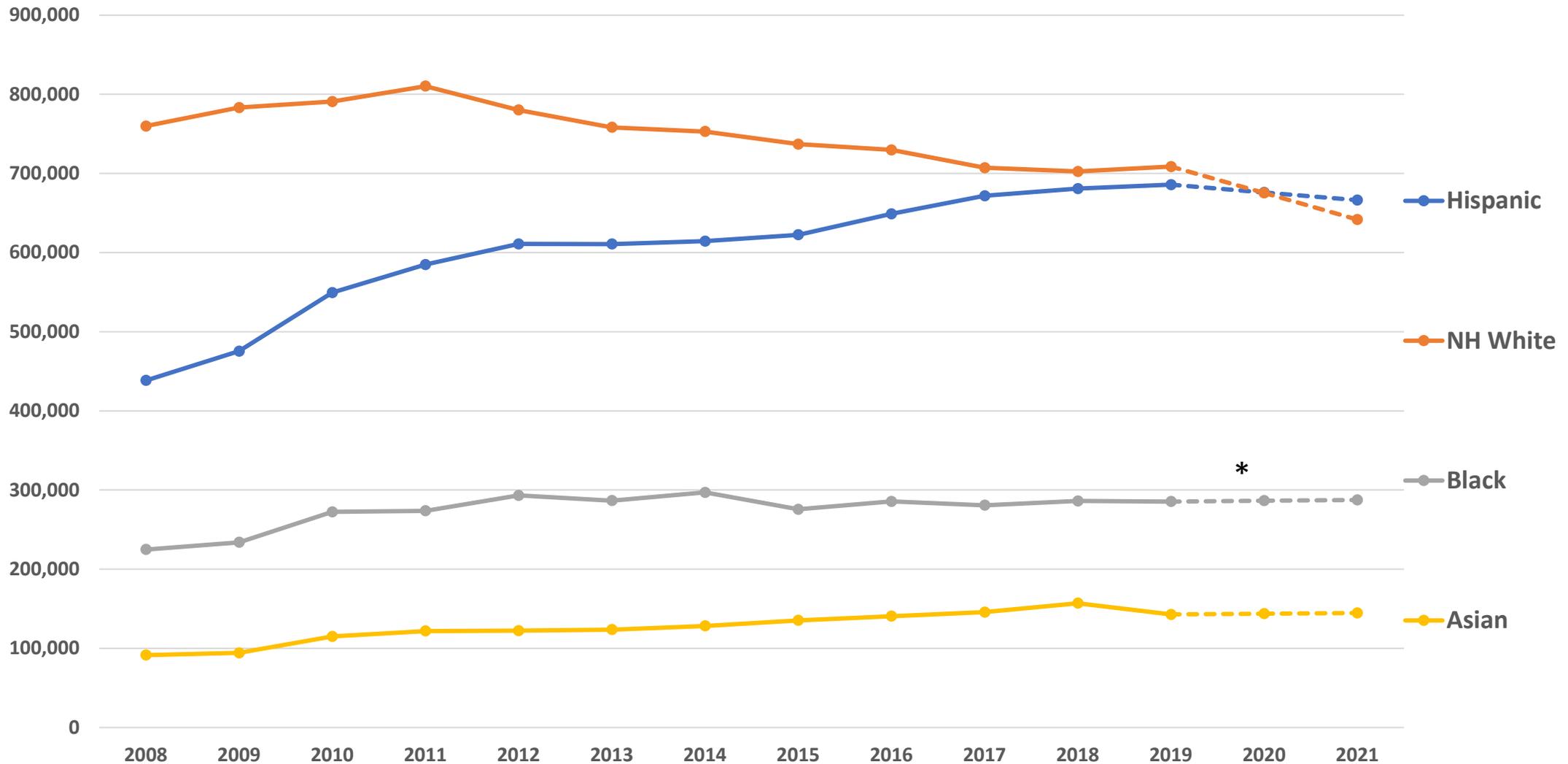


Source: U.S. Census Bureau. 2012 and 2022 ACS 1-year sample

Change in graduate and professional enrollment by state, 2012 to 2022



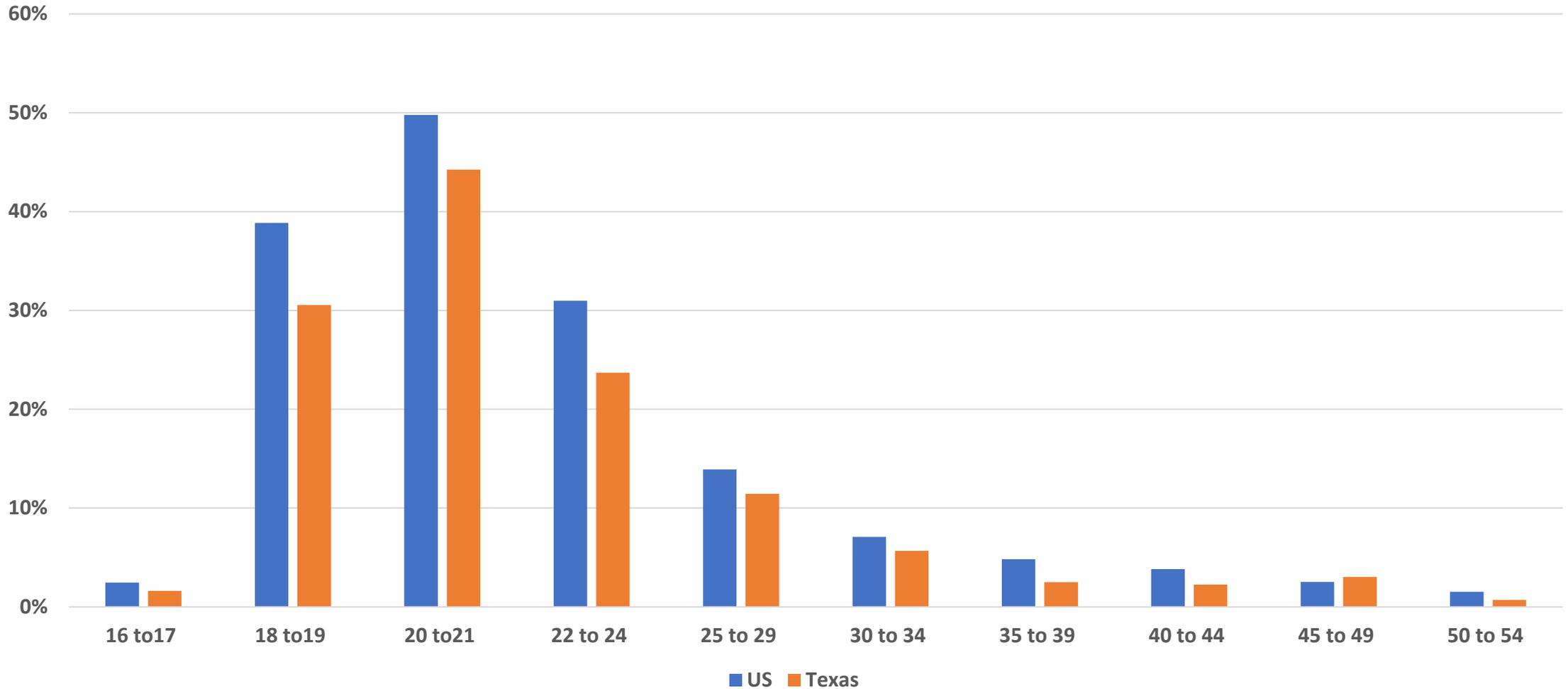
College and Graduate Enrollment by Race/Ethnicity, Texas, 2008-2021



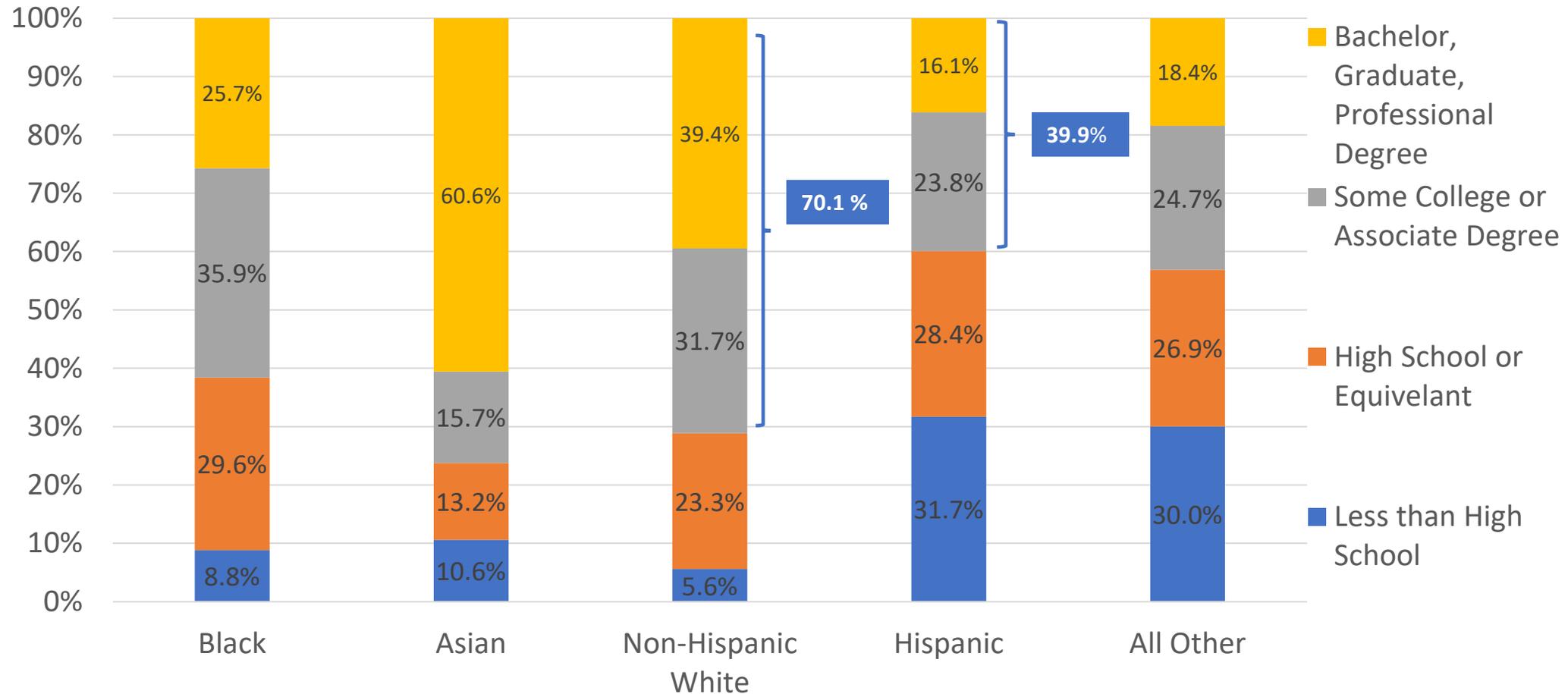
Source: US Census Bureau, American Community Survey 1-Year Estimates, 2008-2019 and 2021

* ACS estimates not available for 2020 – this point represents an average of 2019 and 2021

Enrollment Rates by Age Groups, Texas and US, 2023



Educational Attainment of Persons Age 25 Years and Older by Race/Ethnicity, Texas, 2019



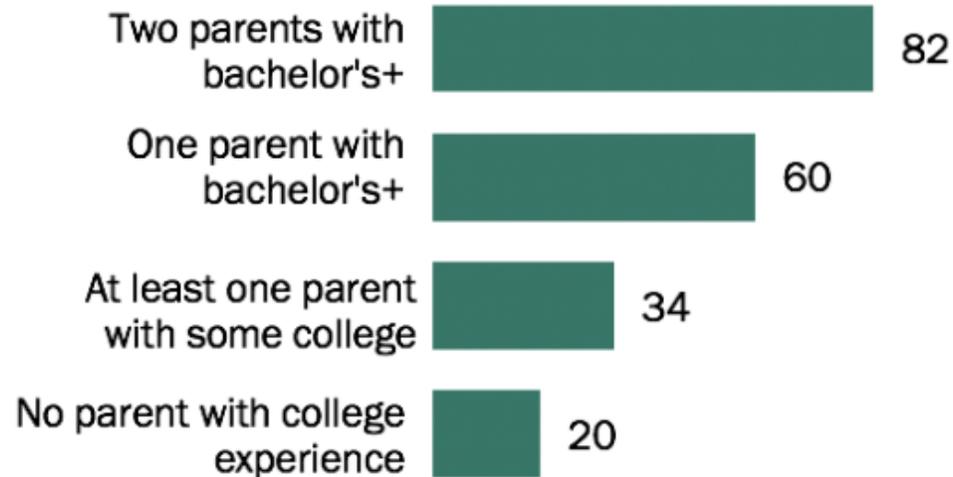
Source: US Census Bureau, American Community Survey, 1-Year Sample, 2019



The Impact of Education Goes Beyond one Generation

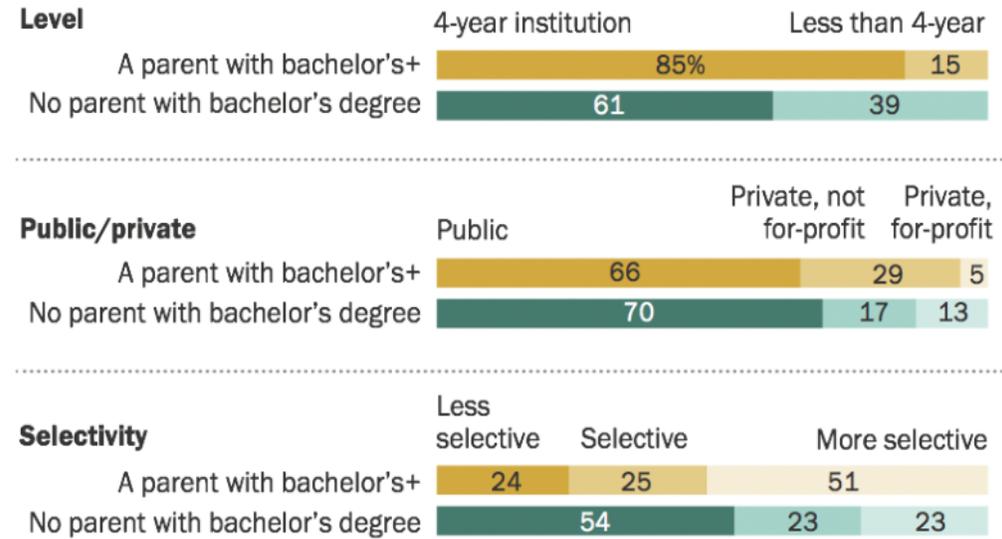
Adults with parents who are college graduates are more likely to attain a bachelor's degree

% of adults who have completed at least a bachelor's degree, among those with ...



For those who attended college, the type of school they went to varies by parental education

Among adults who attended any type of college, % who attended ...

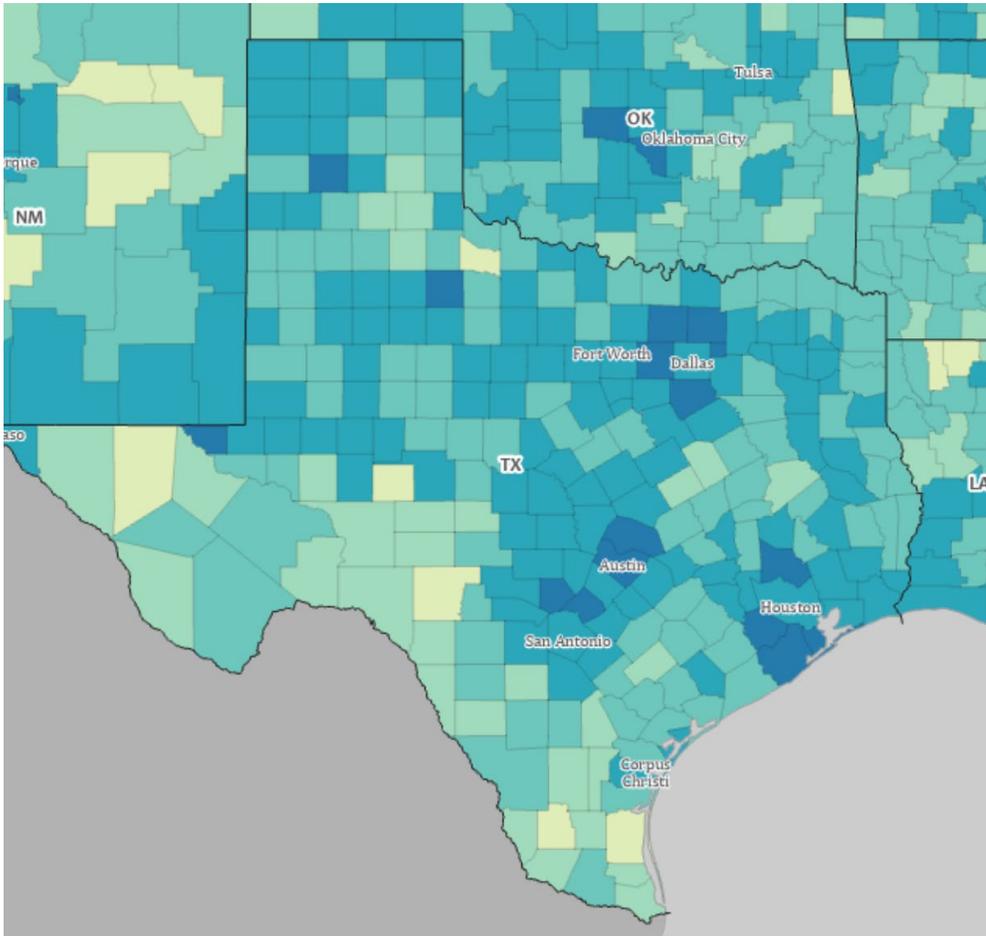


Pew Research Center. <https://www.pewresearch.org/social-trends/2021/05/18/first-generation-college-graduates-lag-behind-their-peers-on-key-economic-outcomes/>

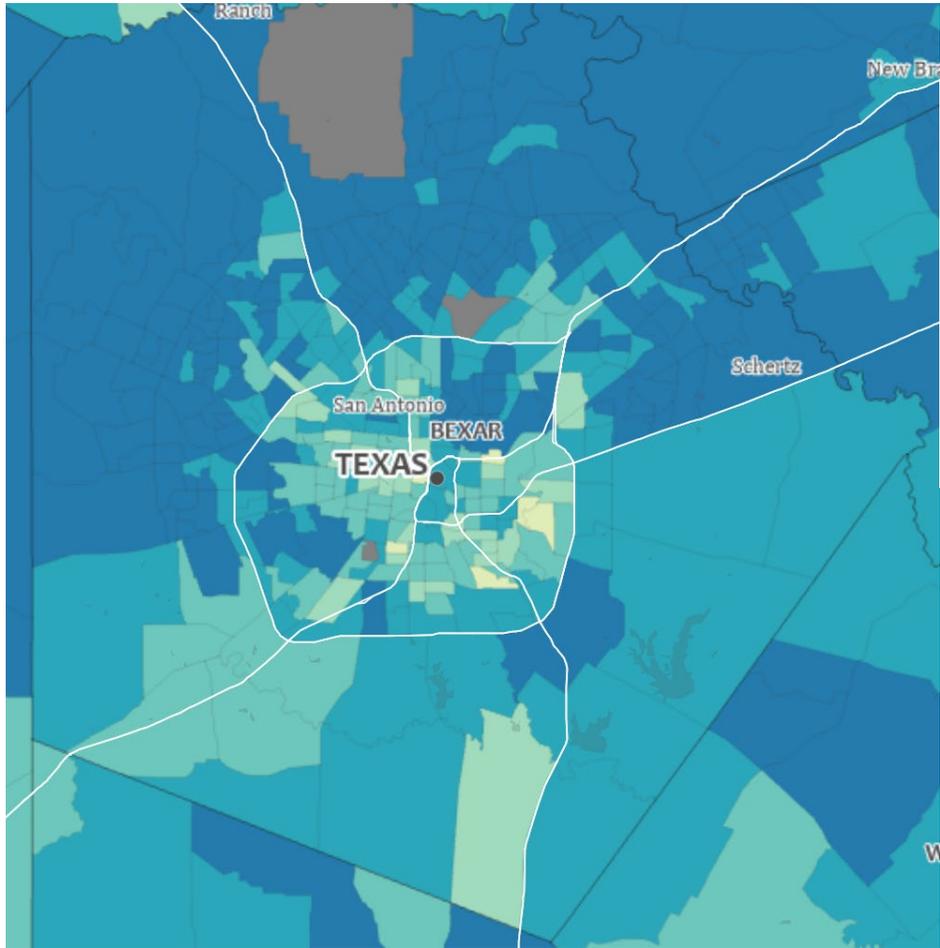
Broad Band Internet Access, 2017-2021



Texas



Bexar/San Antonio



Percent by census tract

- 90.0 or more
- 80.0 to 89.9
- 70.0 to 79.9
- 60.0 to 69.9
- Less than 60.0

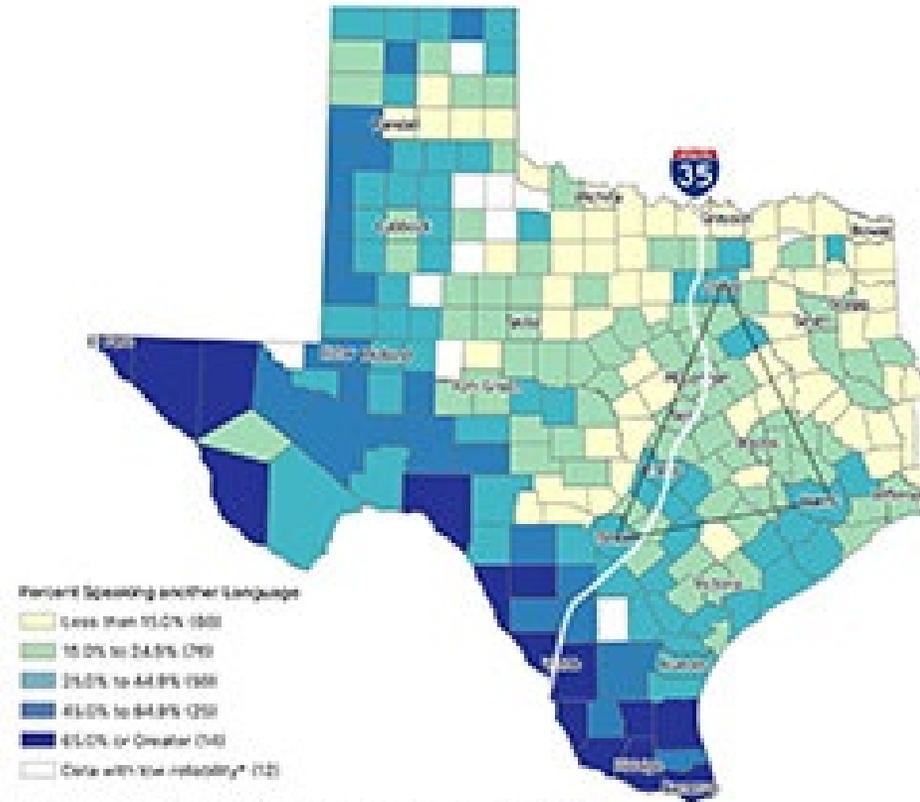
SOURCE: U.S. Census Bureau. ACCESS BROADBAND Dashboard.

Language Speaking

Texas ranks **2nd** among the 50 states with **35%** of the population 5 years and over speaking a language other than English at home.

Many **border and West Texas** counties have high percentages of people speaking another language, with Spanish as the second most spoken language in the state.

Percent of Population Speaking Another Language at Home in Texas Counties, 2022



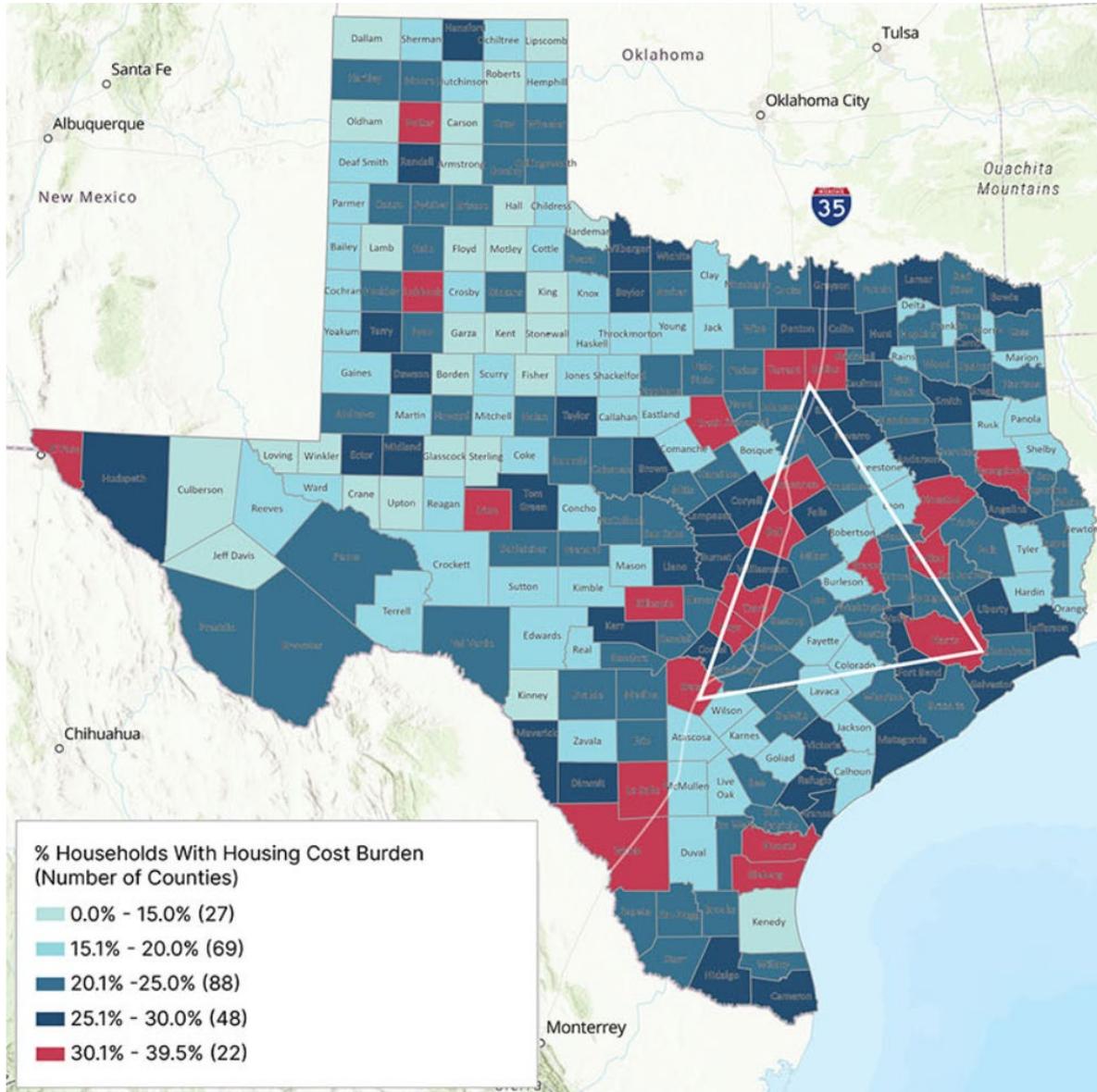
Source: U.S. Census Bureau, American Community Survey 5-year Estimates 2018-2022

Note: *The Coefficient of Variation (CV) is used to determine estimates reliability; estimates with CVs over 30% are considered very unreliable.

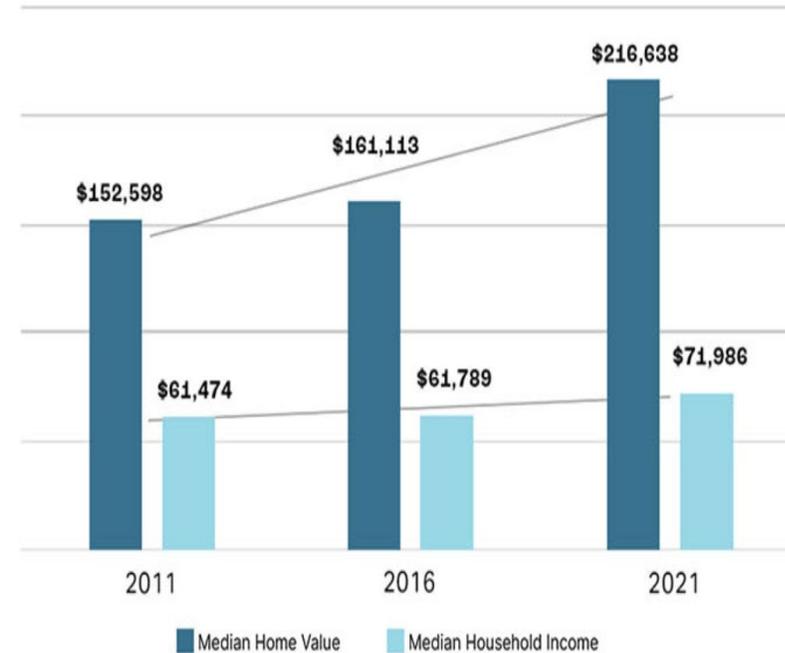
Map created by the Texas Demographic Center



Housing Cost Burden in Texas, 2017-2021



Median Home Value and Median Household Income in Texas, 2011-2021

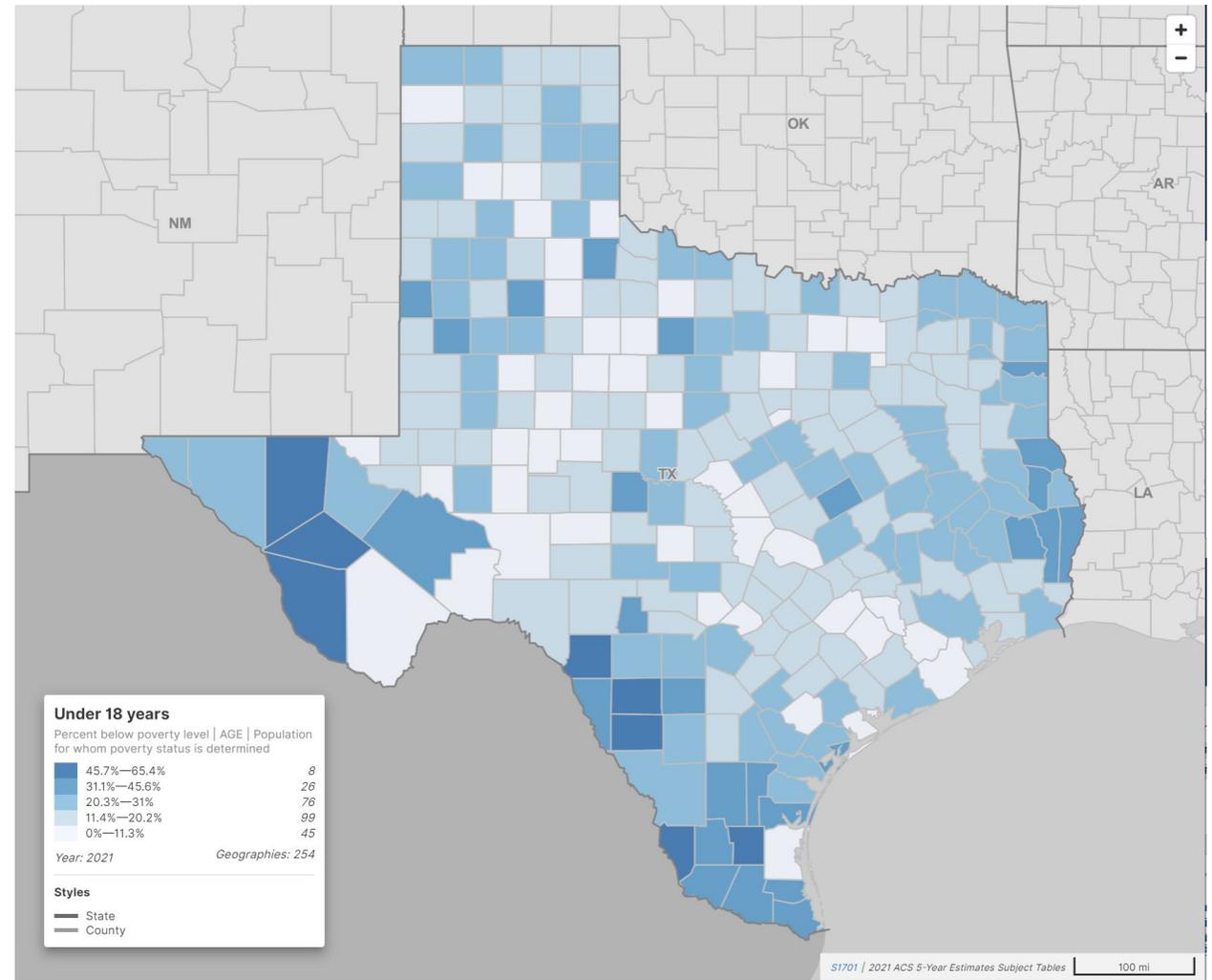


SOURCE: US Census Bureau, 2021 1-Year American Community Survey Summary File



Poverty Rates, 2017-2021

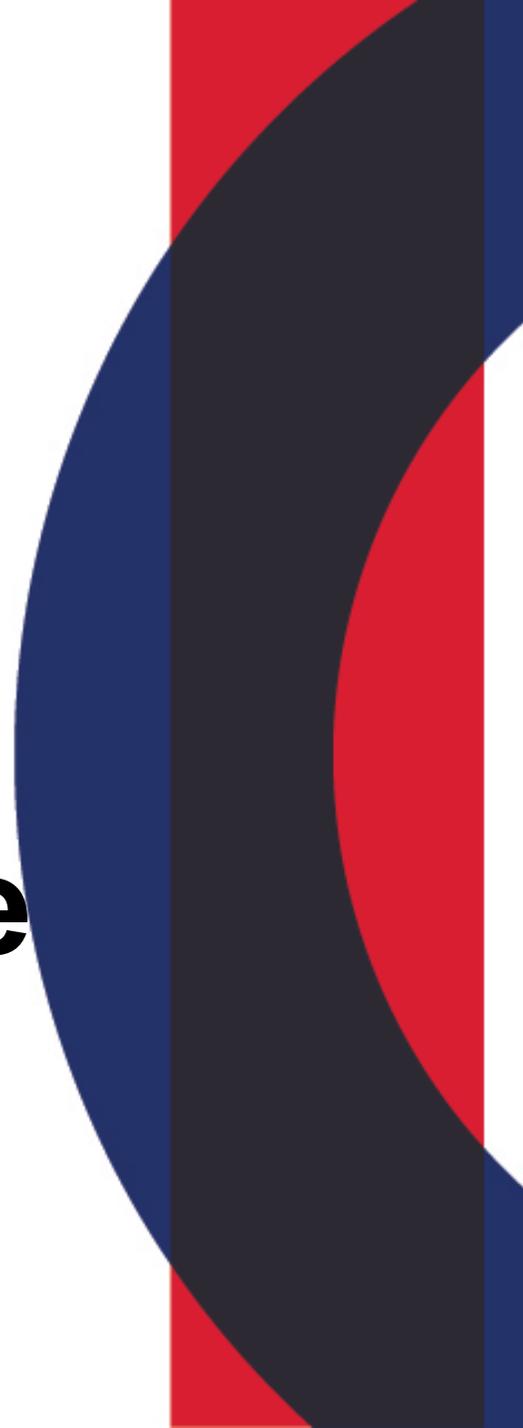
- State
 - Texas: 14.%; US: 12.6%
- Child Poverty Rates
 - Texas: 19.2%; US: 17.0%
- County Child Poverty Rates
 - Almost half of the counties have 1 in 5 children in poverty



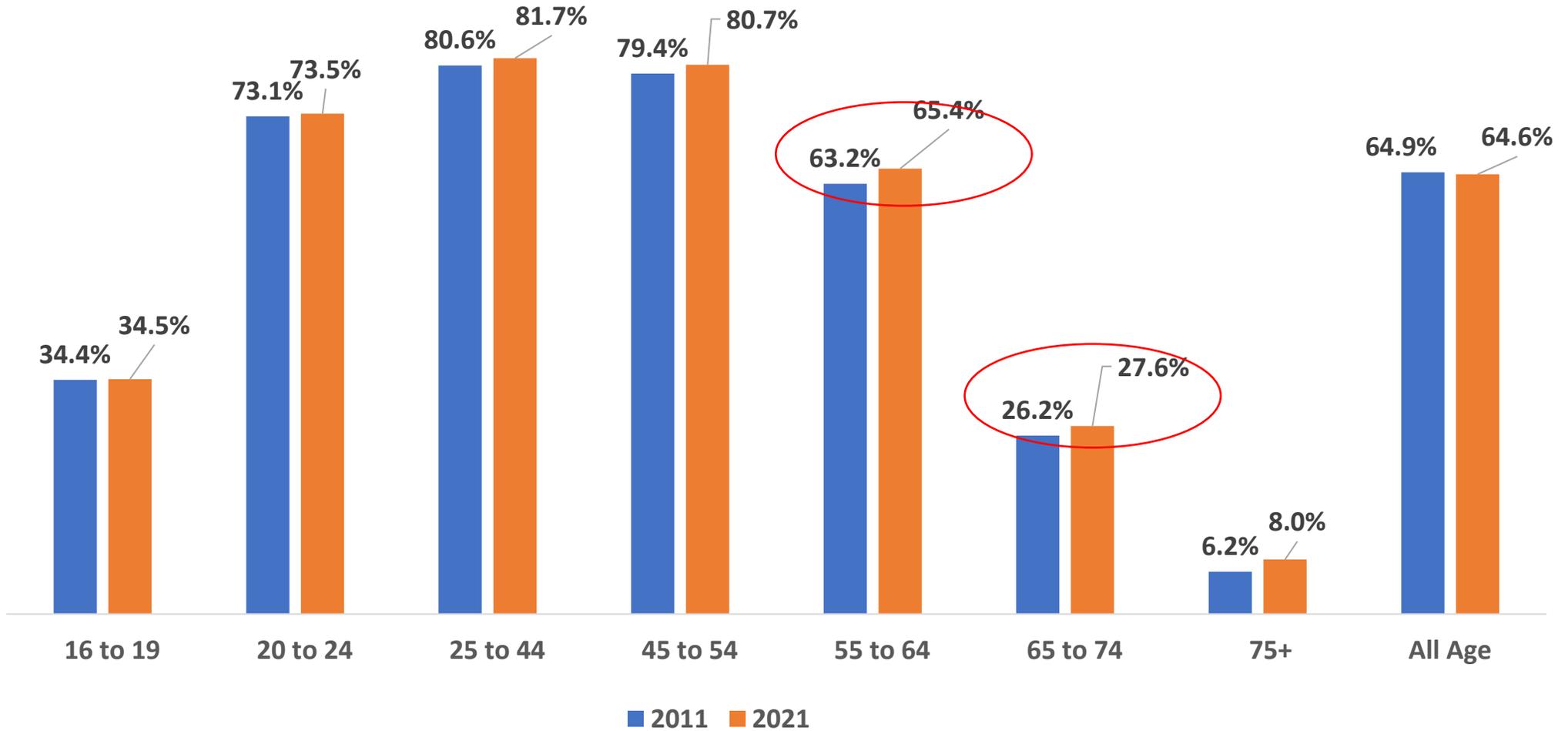


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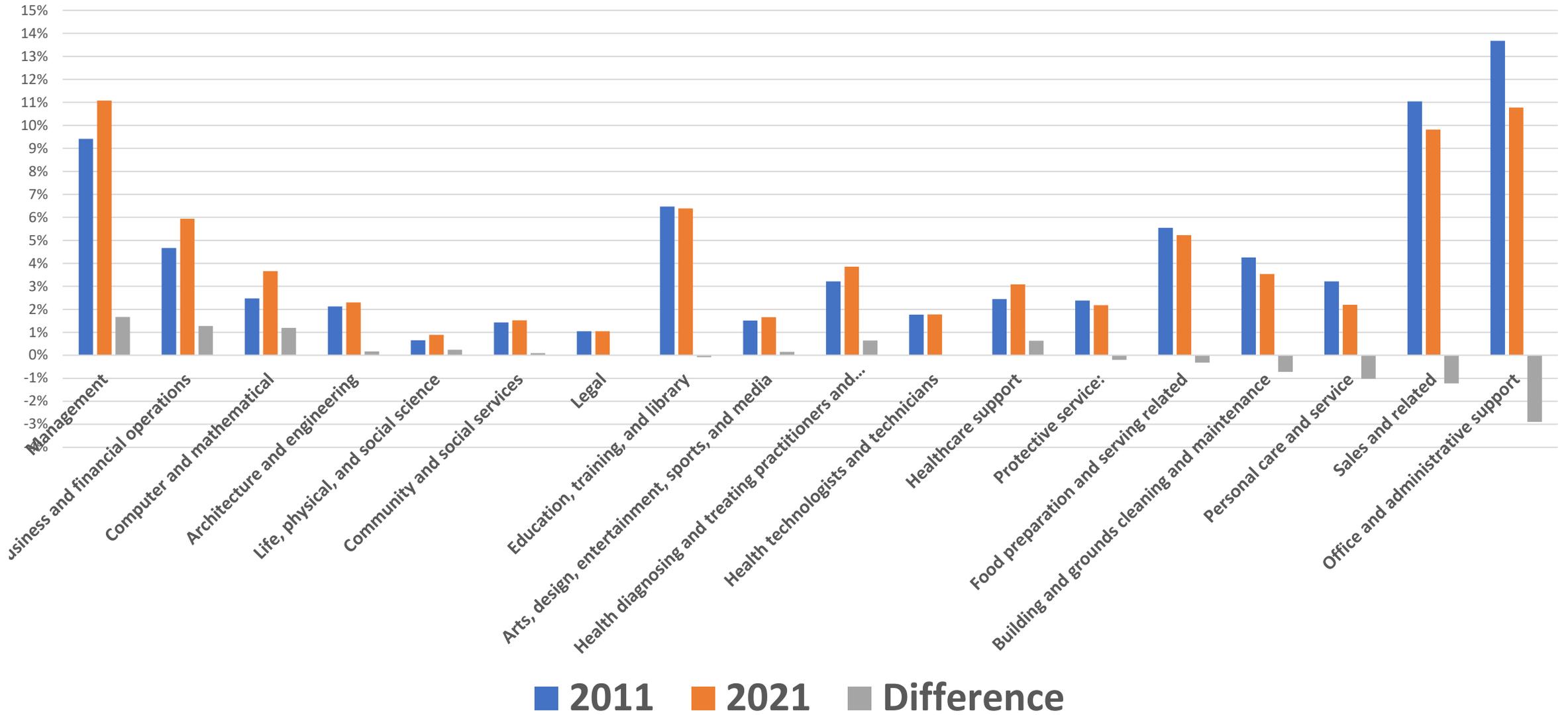
The Demand for Labor Force



Labor Force Participation by Age, 2011 to 2021



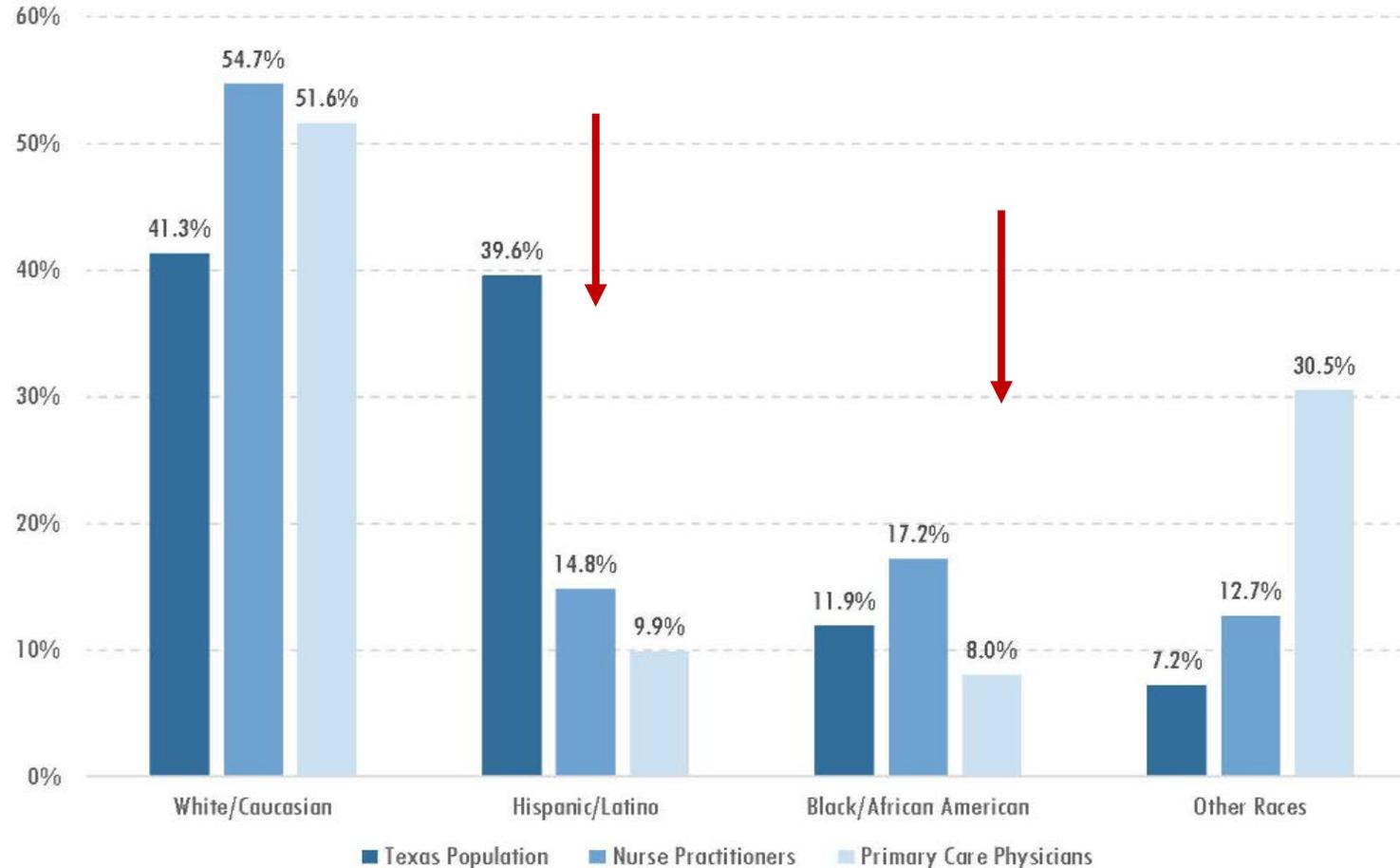
Percent of Civilian Labor Force by Occupation, Texas, 2011, 2021 and Change



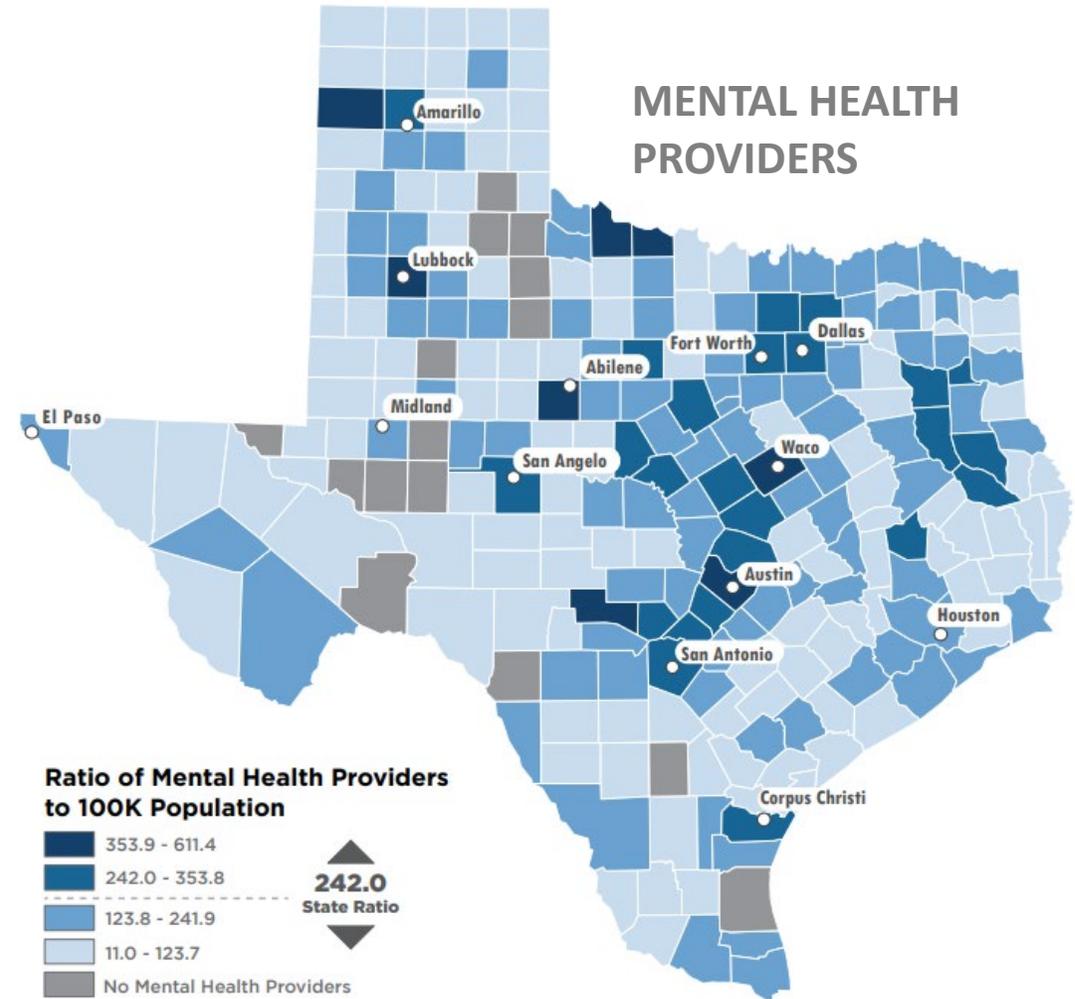
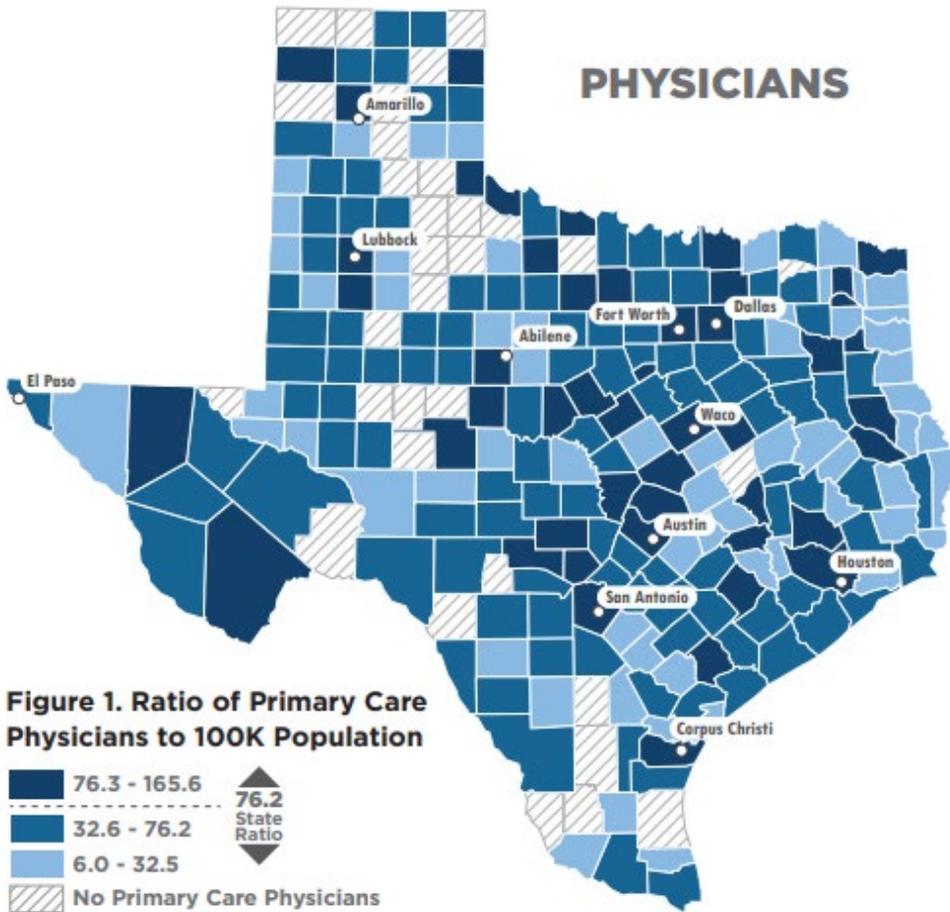
Share of Primary Care Physician and Nurse Practitioners By Race/ethnicity



2019 NURSE PRACTITIONER,^{1,2} PRIMARY CARE PHYSICIAN,^{3,4} AND TEXAS POPULATION⁵ RACE/ETHNICITY DISTRIBUTION



Primary Care and Mental Health Workforce



Projected Deficit for Primary Care



Texas Physician Pipeline Model – Annual Increase to Close Gap

Specialty	2032 Supply (FTEs)	2032 Demand (FTEs)	2032 Deficit (FTEs)	2032 Percent Demand Met	Additional GME Residency Slots Each Year Over Previous Year to Meet Demand
Family Medicine	9,004	11,499	2,495	78.3%	61
Pediatrics	4,675	6,588	1,913*	71.0%	55
Psychiatry	2,852	3,895	1,043	73.2%	31

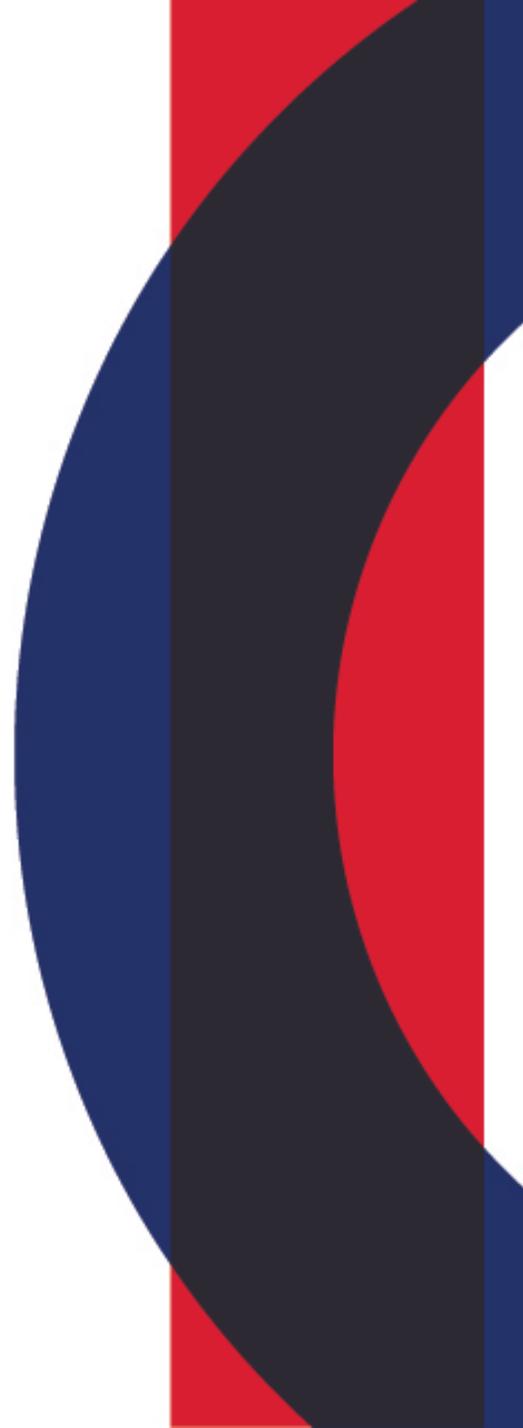
- The table below shows the projected supply and demand for physicians specializing in family medicine, pediatrics, and psychiatry in 2032, the projected percent of demand met, as well as the additional number of GME slots that would need to be added EACH year from 2023 through 2032 to close the supply and demand gap by 2032.

* Note – Not an exact match to supply projection figure and table in slides 8 and 9 due to rounding differences

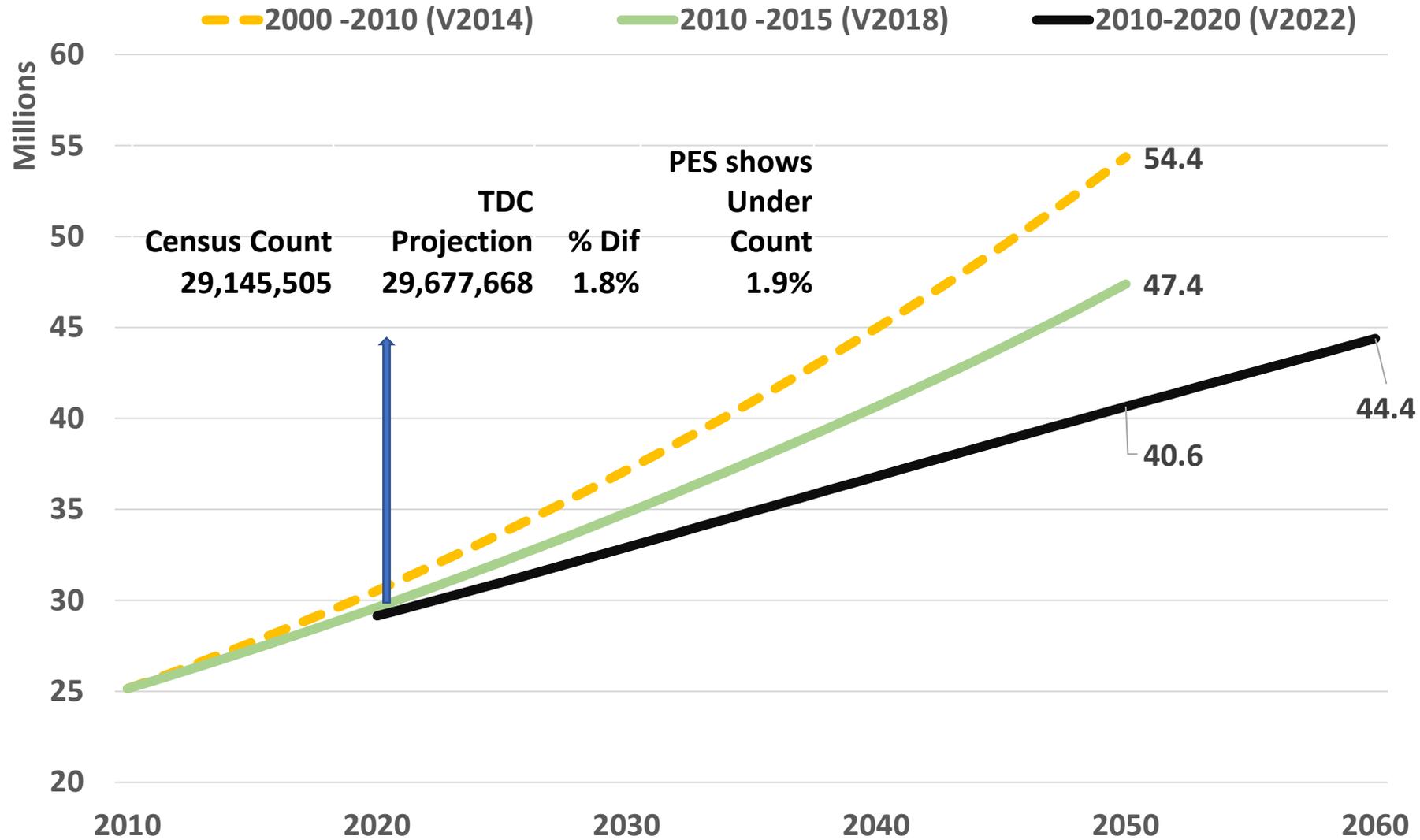


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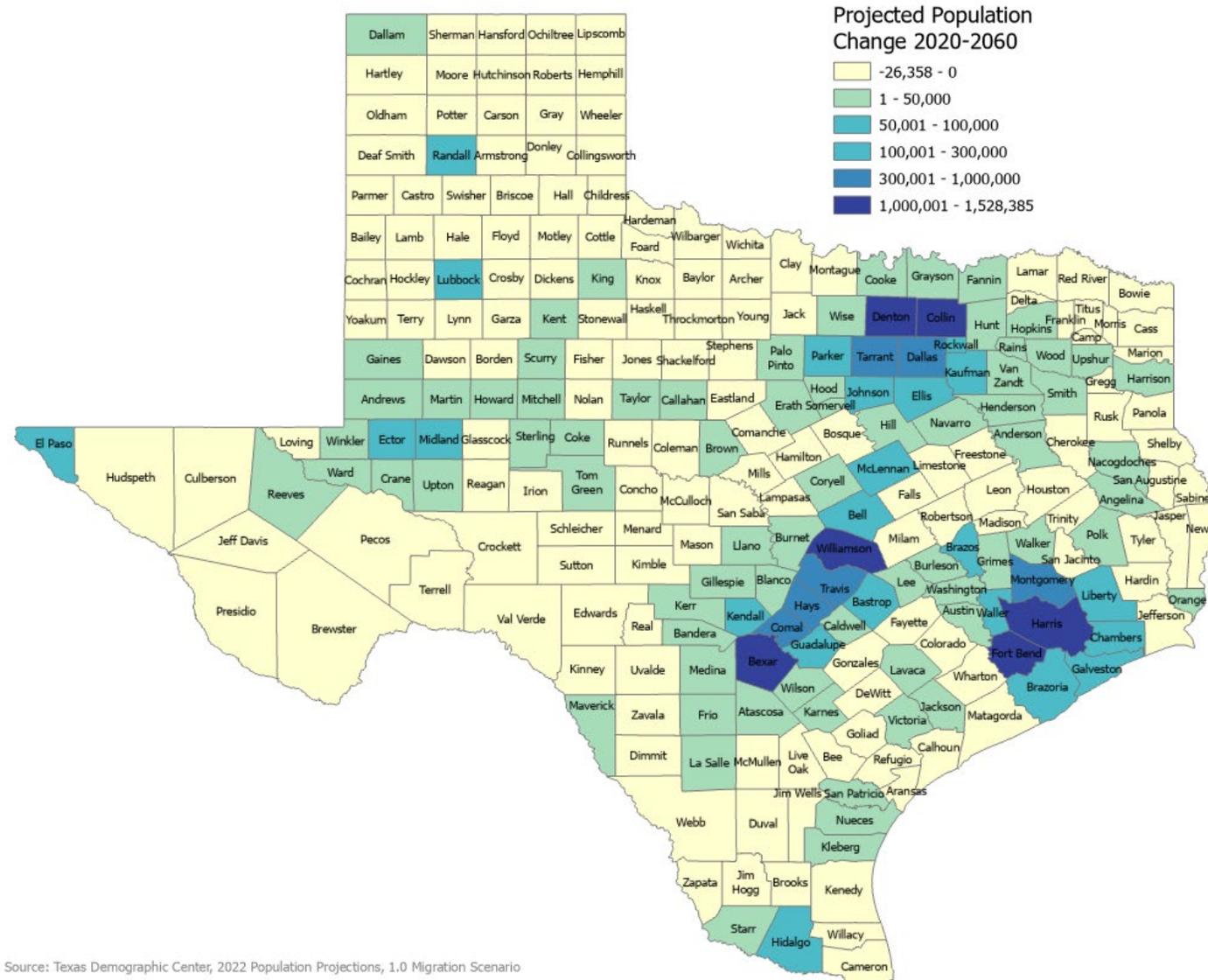
A Look into the Future



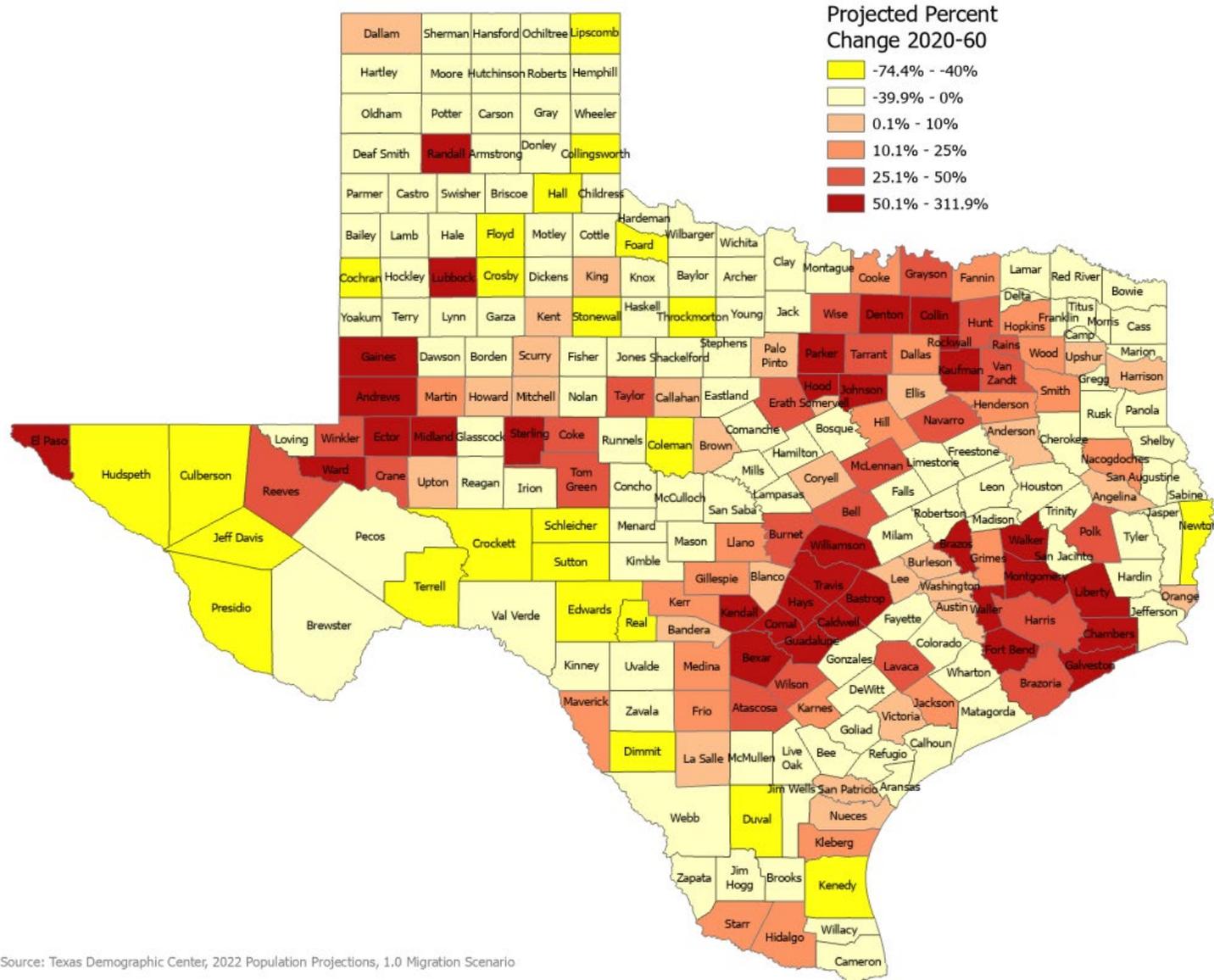
Projected Population Growth in Texas with Various Migration Scenarios



Projected Population Change, Texas Counties, 2020-2050

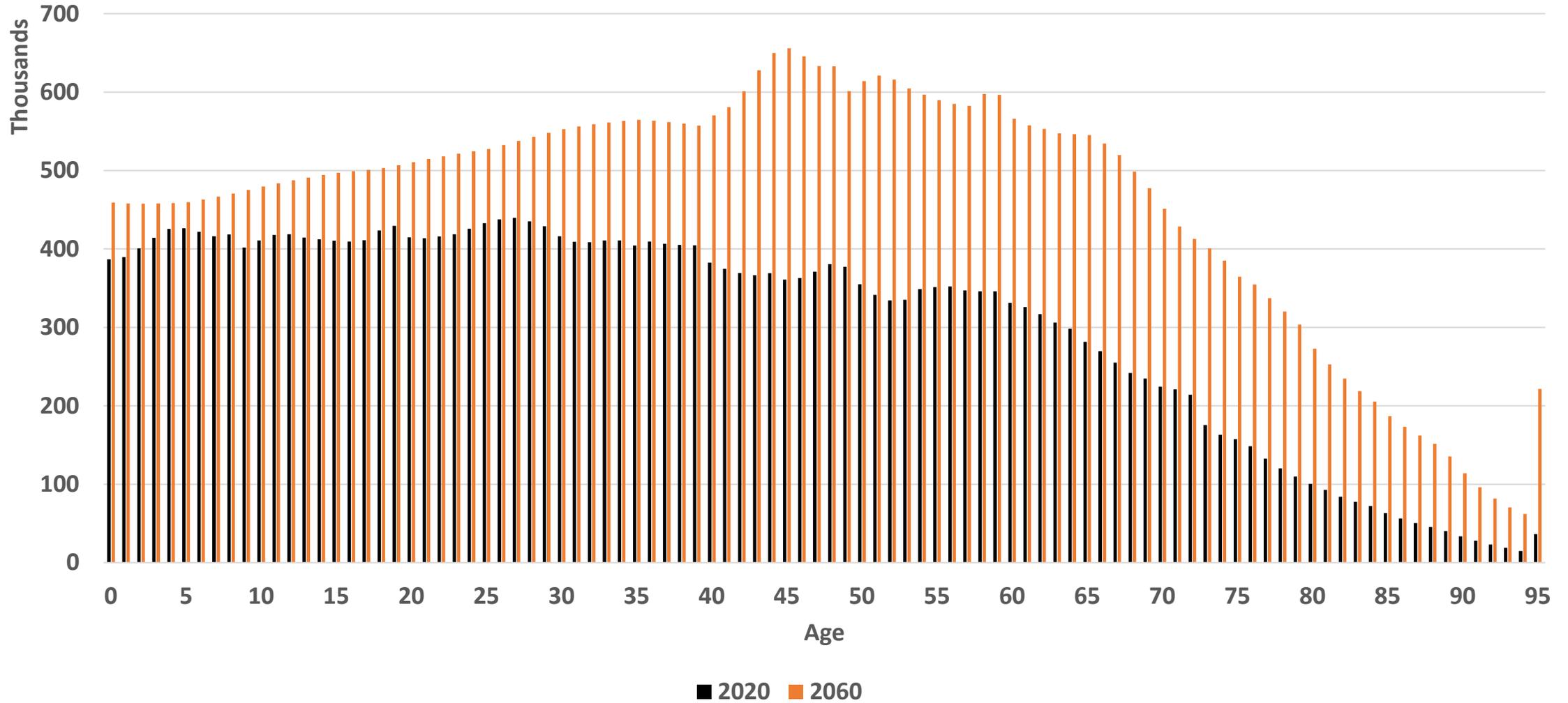


Projected Percent Population Change, Texas Counties, 2020-2060



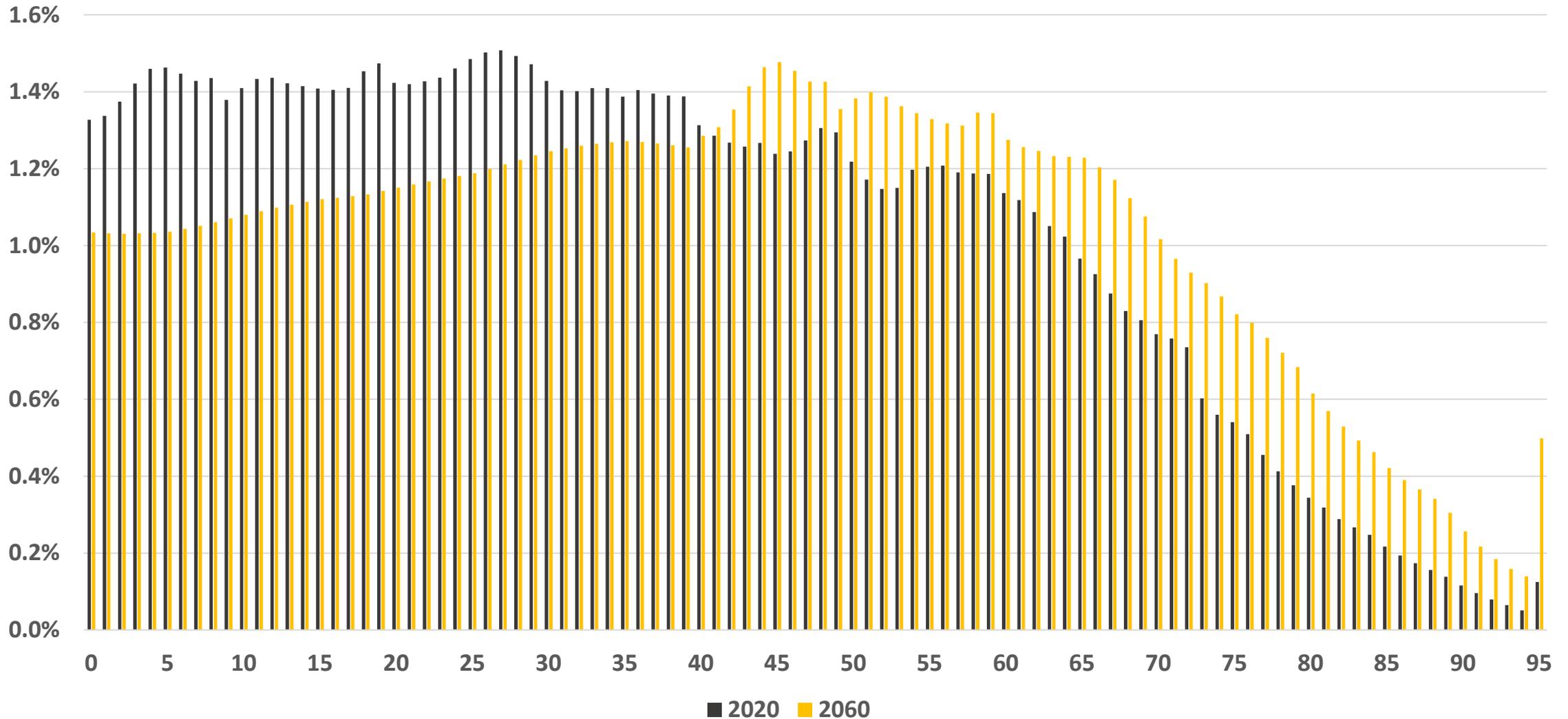
Source: Texas Demographic Center, 2022 Population Projections, 1.0 Migration Scenario

Projected Population by Age Texas, 2020 and 2060



SOURCE: Texas Demographic Center, Vintage 2022 Population Projections

Changes in the Projected Population Age Composition, Texas, 2020 and 2060



SOURCE: Texas Demographic Center, Vintage 2022 Population Projections

Interactive Maps | demographics.texas.gov/

The screenshot shows the homepage of the Texas Demographic Center. At the top, there is a navigation bar with the center's logo, the name of the State Demographer, Lloyd Potter, and a search bar. Below the navigation bar is a large hero image of a hand interacting with a tablet displaying various data icons like dollar signs and bar charts. A menu bar below the hero image lists: Home, Estimates, Projections, Data & Geography (highlighted), Library, and About Us. The main content area is titled "Interactive Maps & Tools" and features three featured articles with map thumbnails and dates.

Interactive Maps & Tools

- March 15, 2024**
What's driving population change in Texas counties?
The Texas Demographic Center created an interactive map to show the population change in Texas counties between 2022-2023. It includes two major components: natural change (or births minus deaths) and net migration (or in-migrants minus out-migrants).
- October 18, 2022**
Population Projections for Texas Counties, 2020-2040 and 2020-2060
This story map uses the Texas Demographic Center's Vintage 2022 population projections to map future county population changes. We use swipe maps to compare total population between 2020 and 2040, and between 2020 and 2060. We have also mapped population change for counties (numeric and percent) between 2020-2040 and 2020-2060. All the maps are available in the two migration scenarios, the first assumes the 2010-2020 migration rates (the 1.0 scenario), and the second assumes half the migration rates of 2010-2020 (the 0.5 scenario)
- March 24, 2022**
Employment and Education in Texas, 2010-2020

The screenshot shows the interactive map titled "What's driving population change in Texas counties?". The map displays Texas counties color-coded by their primary driver of population change between 2022 and 2023. A legend on the right explains the color coding: dark blue for net migration, light blue for natural increase, white for change of 10% or less, orange for natural decrease, and dark orange for out-migration. Text on the left provides a detailed explanation of the components and the unique pattern of change in Texas.

What's driving population change in Texas counties?
Data Source: U.S. Census Bureau, Post-Censal Population Estimates.

Population change includes two major components: natural change (or births minus deaths) and net migration (or in-migrants minus out-migrants). Net migration includes both international migrants from other countries and domestic migrants, or migrants from other counties in or out of Texas. Between 2022 and 2023, population change in Texas was comprised of 67% net migration and 33% natural increase.

Each of the Texas counties is unique in the pattern of population change. This map depicts the driving forces, or components, of the population change in Texas counties.

A component of change is determined to be a driver if it comprises more than 50% of the total population change between 2022 and 2023. For some counties, drivers will be very clear. For other counties, both components are closely driving population change.

Counties in shades of BLUE are experiencing population increase driven by net in-migration (in dark blue) or natural increase which is defined as more births than deaths (in light blue).

Counties in shades of ORANGE are experiencing population decline driven by net out-migration (in dark orange) or natural

LEGEND
Type of Population Change Driver

- Population increase driven by in-migration
- Population increase driven by natural increase
- Population change 10 or less
- Population decline driven by natural decrease
- Population decline driven by out-migration



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In 2020, American Indian and Alaska Native (AIAN) population made up 2.73% of the TX population. Higher shares were observed in Panhandle, Big Bend, Gulf Coast, and Oklahoma border counties. Major metros and federally recognized reservations also had significant AIAN residents.

American Indian and Alaska Native Heritage Month
Percent Population of American Indian and Alaska Native (AIAN) for Texas Counties, 2020

Source: U.S. Census Bureau, 2020 Decennial Redistricting Data (PL 94-171)
Note: American Indian and Alaska Native share in combination with one or more races.

8K 3K 11K

Texas Demographic Center
15 min

On Nov. 11, Texans gathered to honor the service of veterans across the state. The 1.4 million veterans represent 6.2% of the civilian population 18 and over. Veterans today are more diverse, and better educated, with higher numbers of women serving compared to the last decade.

Veterans Day
A Look at Texas Veterans, 2022

Race/Ethnicity

White alone, not Hispanic or Latino (of any race)	56.9%
Hispanic or Latino (of any race)	22.4%
Black or African American alone	14.9%
Two or more races	14.6%
Some other race alone	4.9%
Asian alone	1.7%
American Indian and Alaska Native alone	0.8%
Native Hawaiian and Other Pacific Islander alone	0.2%

Age

18 to 34	11.4%
35 to 54	30.9%
55 to 64	20.3%
65 to 74	17.0%
75+	20.4%

Educational Attainment

Some college or associate's degree	38.9%
Bachelor's degree or higher	34.9%

Sex

Male	88.2%
Female	11.8%

Source: U.S. Census Bureau, ACS 1-Year Estimates Subject Tables, 2022
Created by the Texas Demographic Center

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American Indian and Alaska Native Heritage Month

DID YOU KNOW? Cherokee is the largest American Indian group in Texas with a total of **14,285**

794,062 is the total American Indian and Alaska Native population alone or in combination in Texas.

The 3 distinct, federally recognized American Indian reservations in Texas are: **Alabama-Coushatta Indian Reservation (Polk County)**, **Yalefa del Sur Pueblo (El Paso County)**, and **Kickapoo Indian Reservation (Maverick County)**

The largest Alaska Native groups in Texas are **Aleut with 139** and **Eskimo with 139**

Texas is home to **11,641** single-race American Indian and Alaska Native veterans of the U.S. armed forces.

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texasdemographiccenter In November, we celebrate the rich heritage of the American Indian and Alaska Native
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Welcome to Texas! In 2022, domestic migrants moving into the state largely originated from California, New York, and Oregon. On the other hand, net domestic migration out of the state was highest for those moving to South Carolina, Rhode Island, and Oklahoma.

Texas State-to-State Net Domestic Migration, 2022

Net domestic migrants in (Green)
Net domestic migrants out (Red)

Source: U.S. Census Bureau, 2022 State-to-State Migration Flows Statistics.
Note: The data displayed are estimates based on a sample survey and are subject to error.
Graph created by the Texas Demographic Center

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Helen You, Ph.D.

 (210) 458-6530

 TDC@UTSA.edu

 demographics.texas.gov/

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