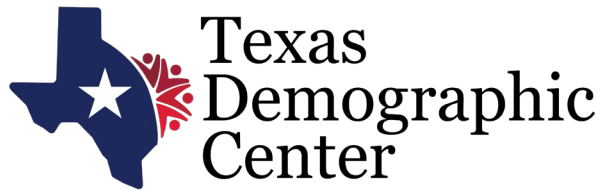


The Changing Landscape of Texas Demographics

Presented to
Texas Municipal League



October 10, 2024



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.
 - ✓ Publications
 - ✓ Presentations
 - ✓ The annual conference
 - ✓ Webinars
 - ✓ Social Media
 - ✓ Newsletter
- Provide training and technical expertise.
- Custom data analyses.

Partnerships

- U.S. Census Bureau
- TDC Affiliates

Table of Contents



Demographic Trends in Texas



TDC Estimates



TDC Projections



Q&A

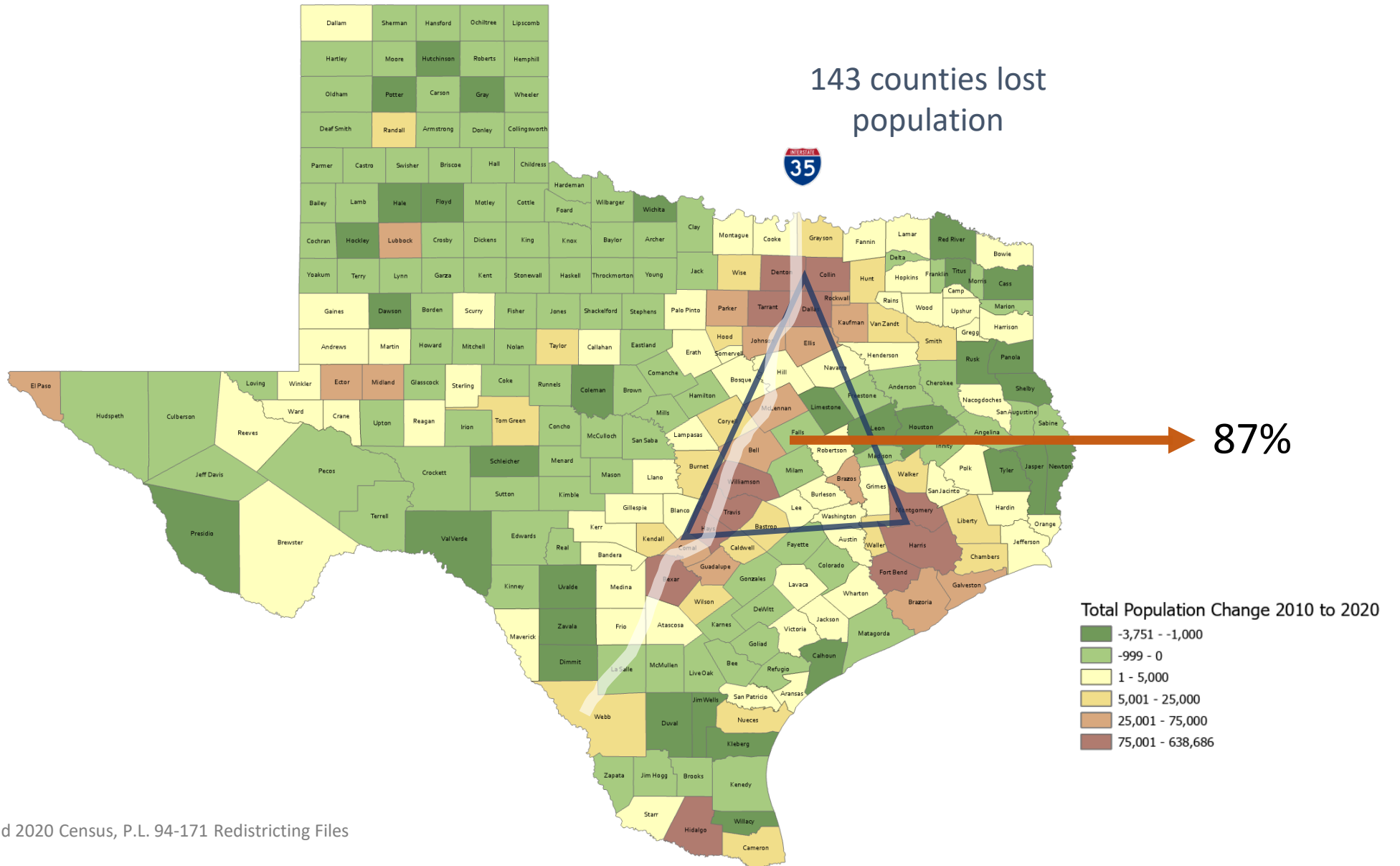


Texas
Demographic
Center

Demographic Trends in Texas



Numeric Change, Texas Counties, 2010-2020



SOURCE: US Census Bureau, 2010 and 2020 Census, P.L. 94-171 Redistricting Files

States with Most Population Change, 2020-2023



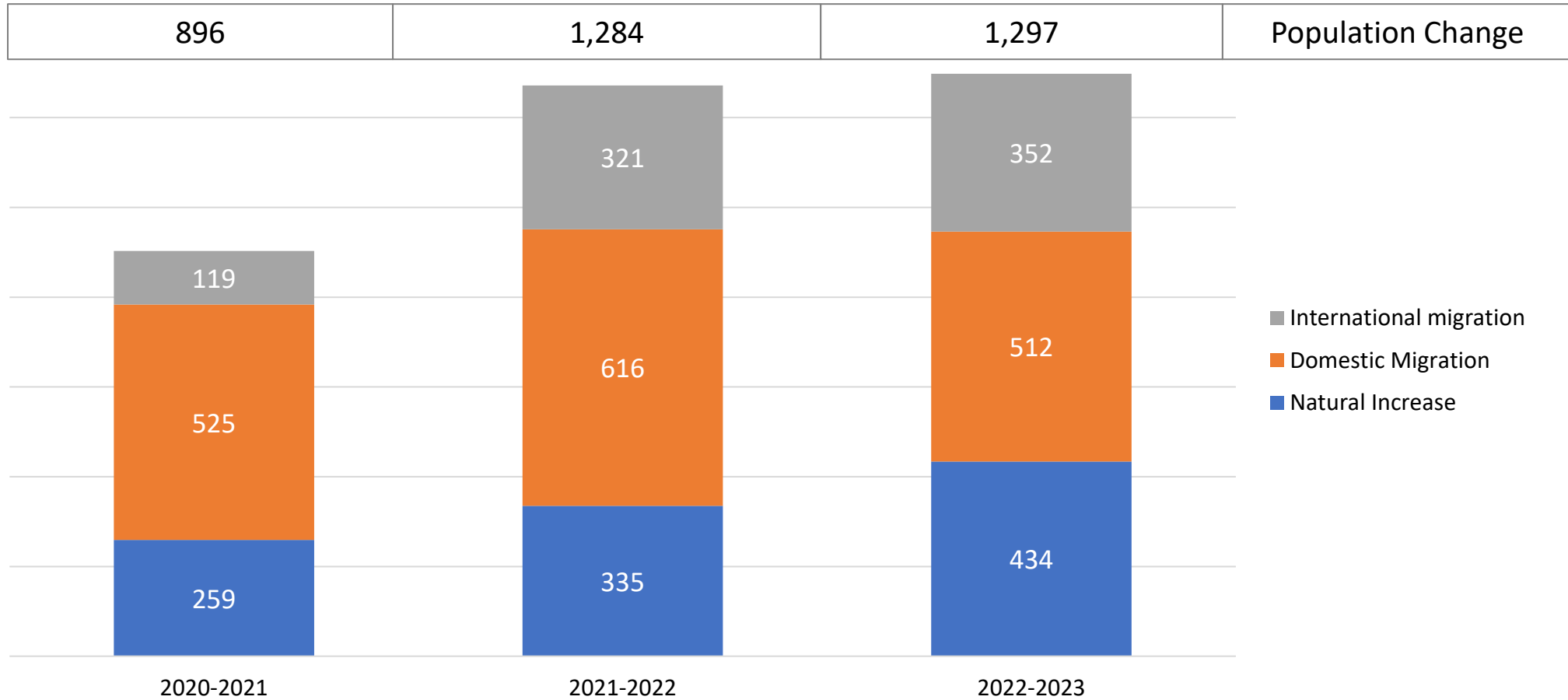
Population Estimate (as of July 1)

Geographic Area	2020	2021	2022	2023	Change 22-23	Rank Change 22-23	Pct. Change 22-23	Rank Pct. Change 22-23
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

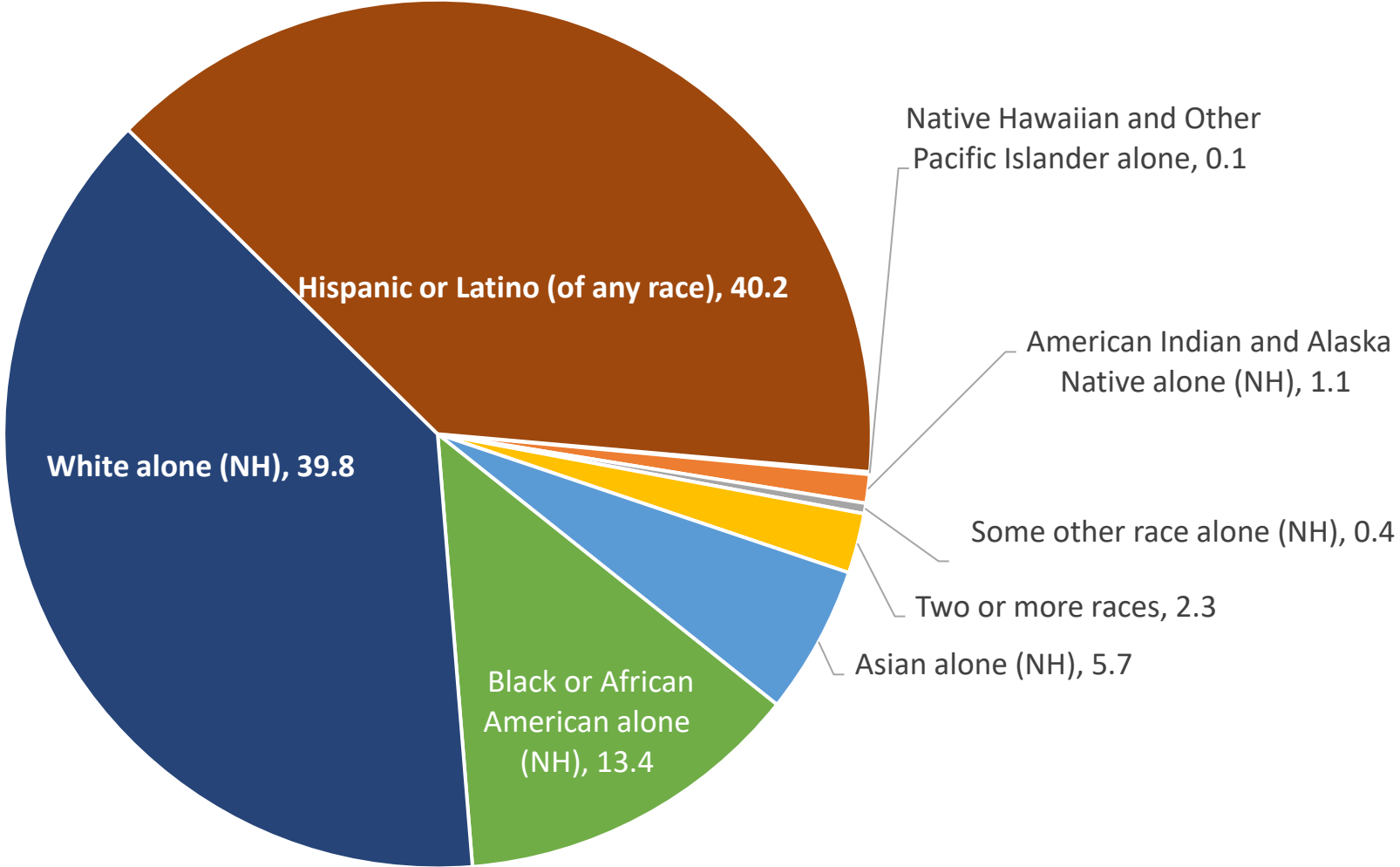
'22-'23 -> **1,297**
New Texans per day



Texas' Daily Population Growth and Components of Change, 2020-2023

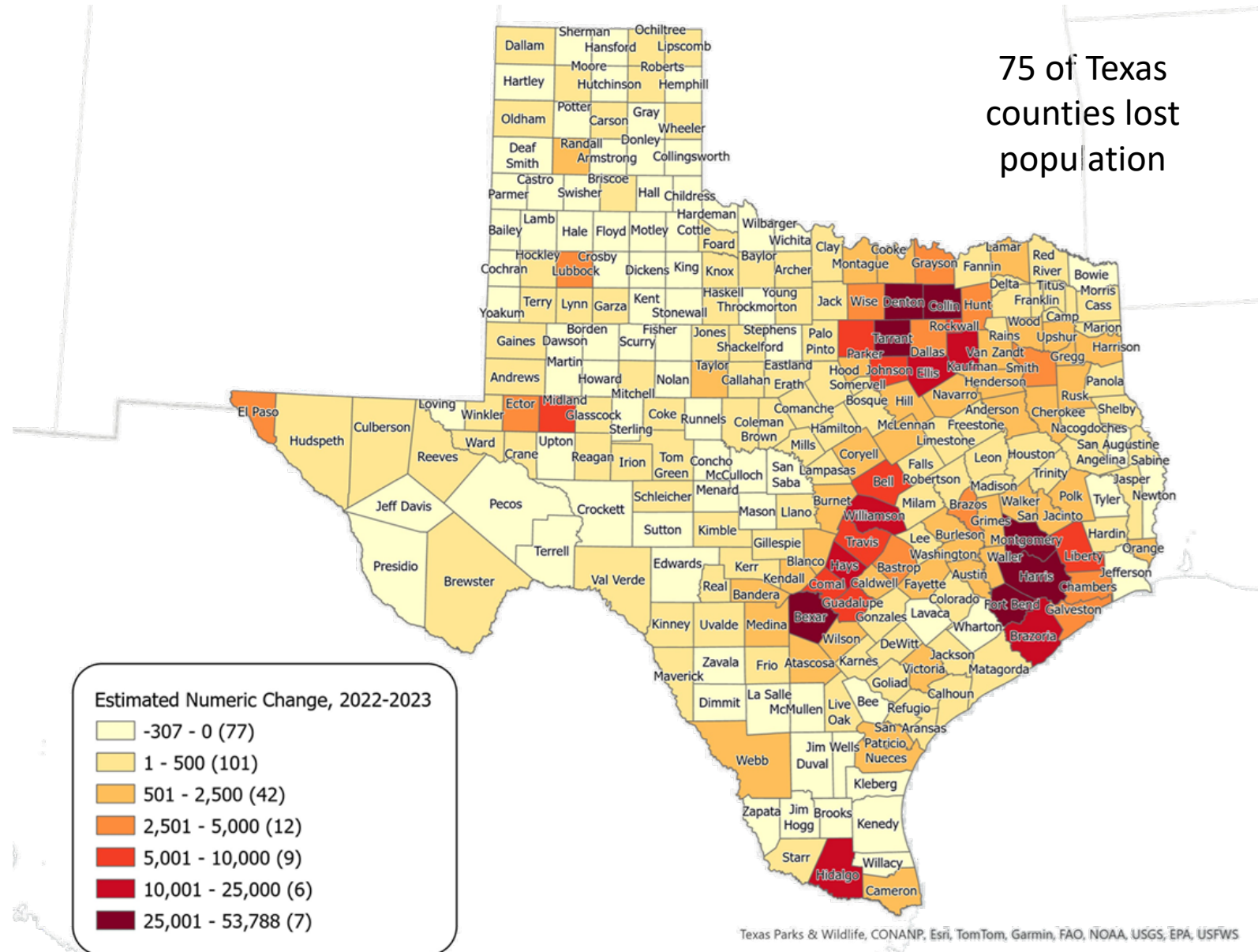


Estimated Racial/Ethnic Composition of Texas Population, 2022



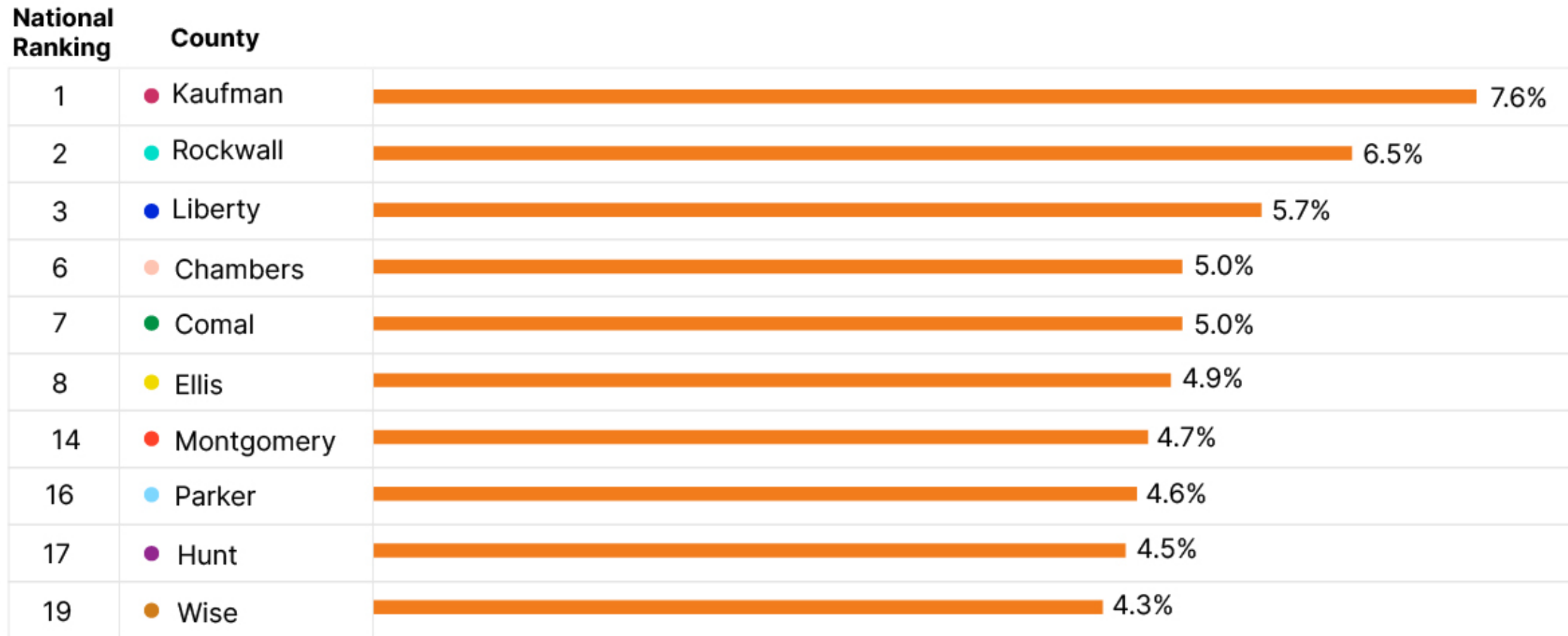
Source: U.S. Census Bureau, 2022 Vintage Population Estimates

Estimated Numeric Change, Texas Counties, 2022-2023



SOURCE: US Census Bureau, Population Estimates, 2023 Vintage

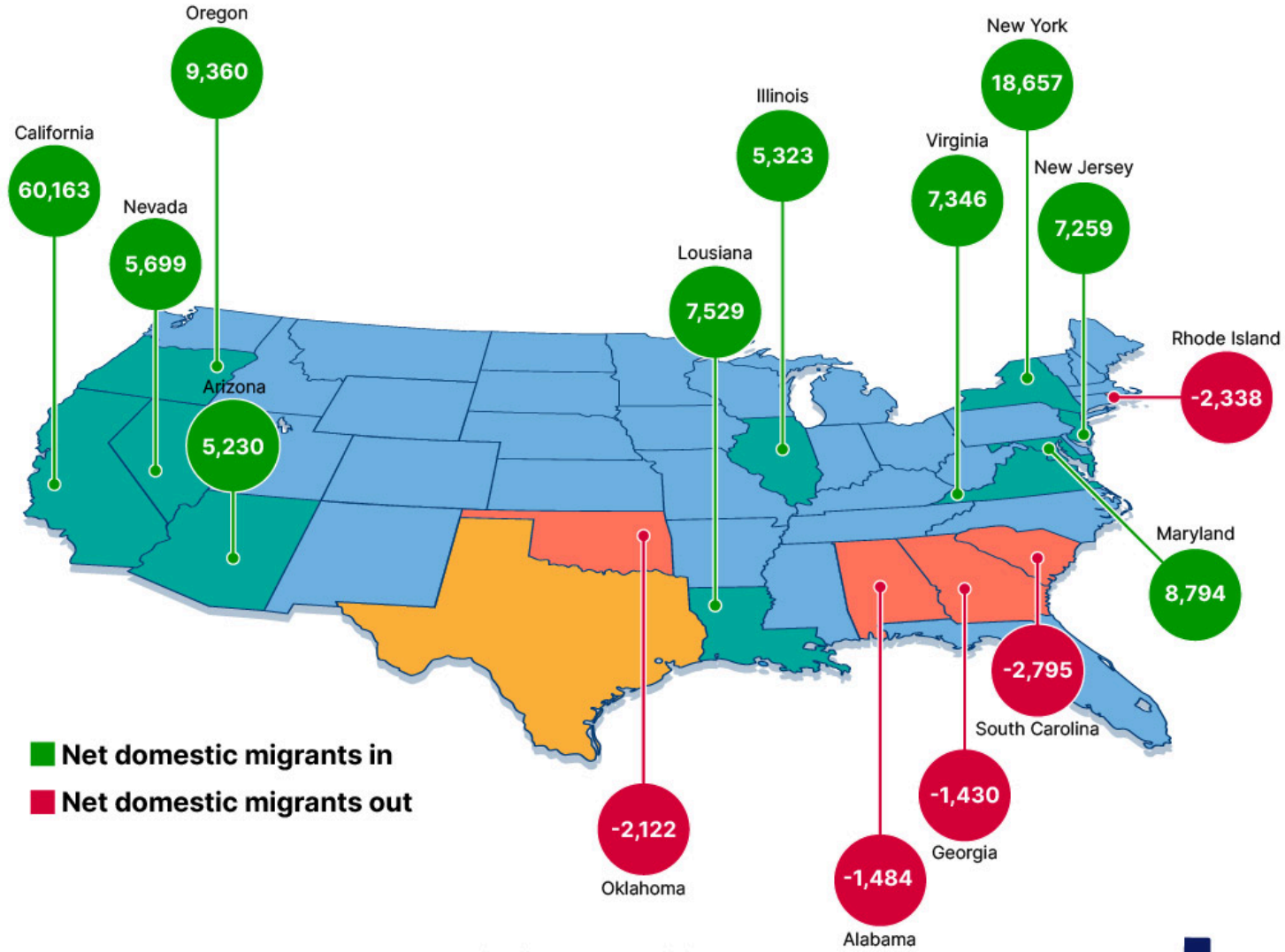
Texas Counties With the Fastest Growth Rate from 2022 to 2023 and Their Ranks in the U.S.



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

Note: Ranked among counties with resident population 20,000 and more in 2023.

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

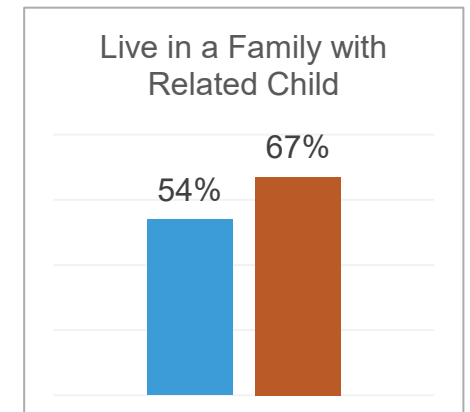
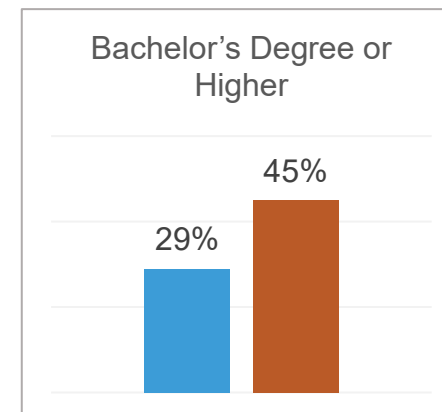
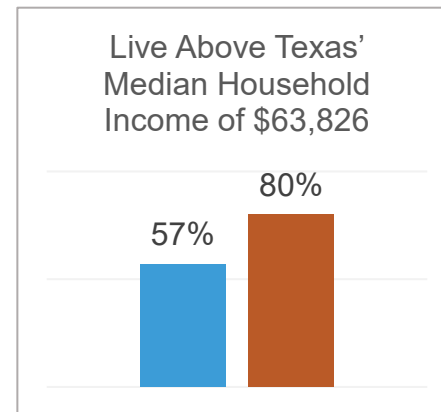
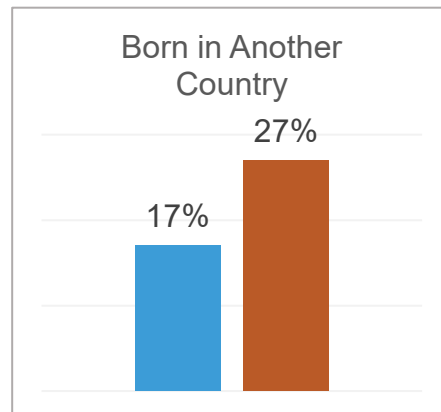
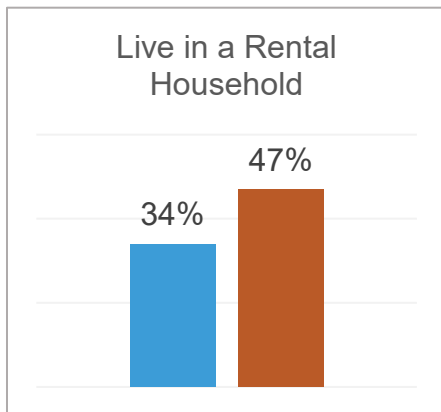
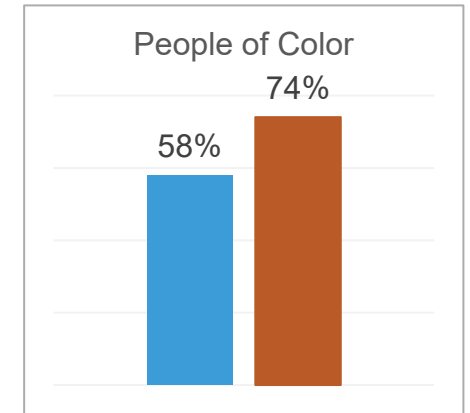
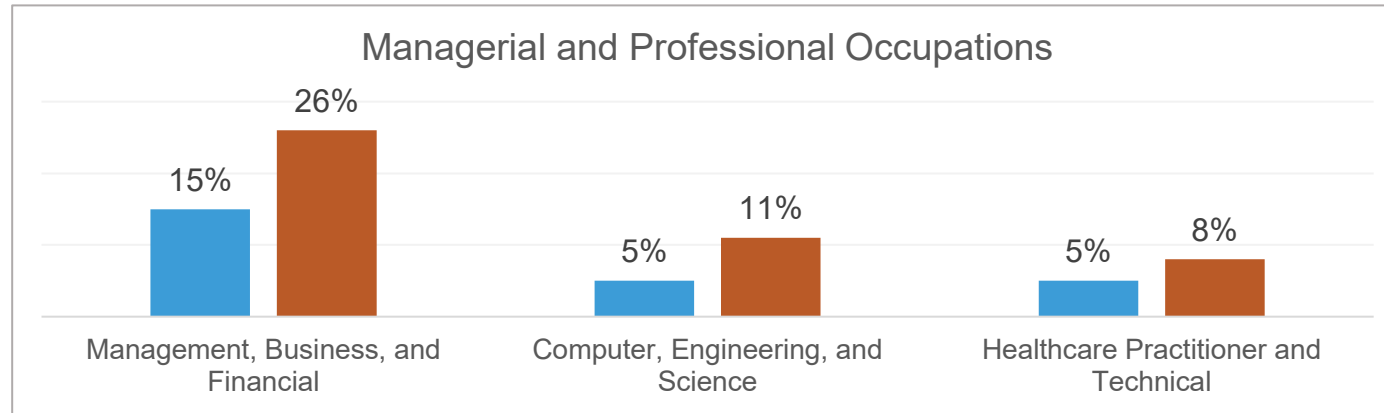
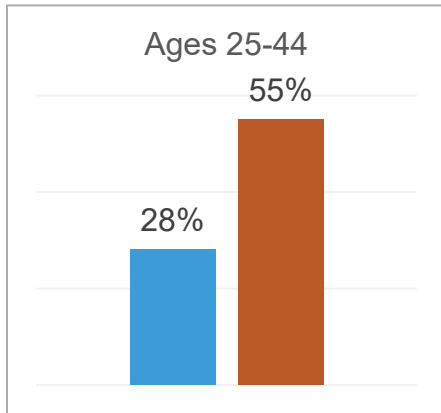


Texas Residents and Newcomers from other States



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

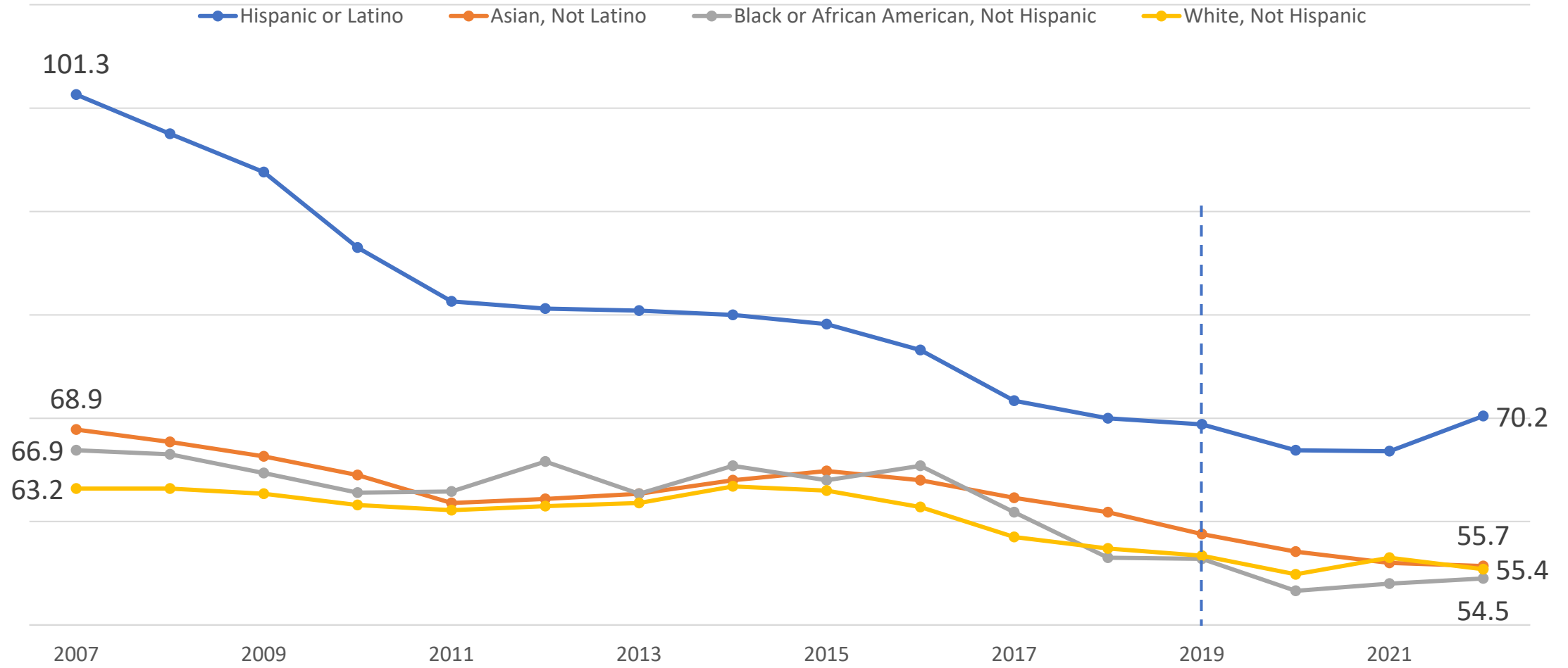
Net Domestic Migrants: The difference in the number of people who moved to Texas from another state in the U.S. and those who moved out of Texas in the last year.



Texas Birth Rates, 2007-2022



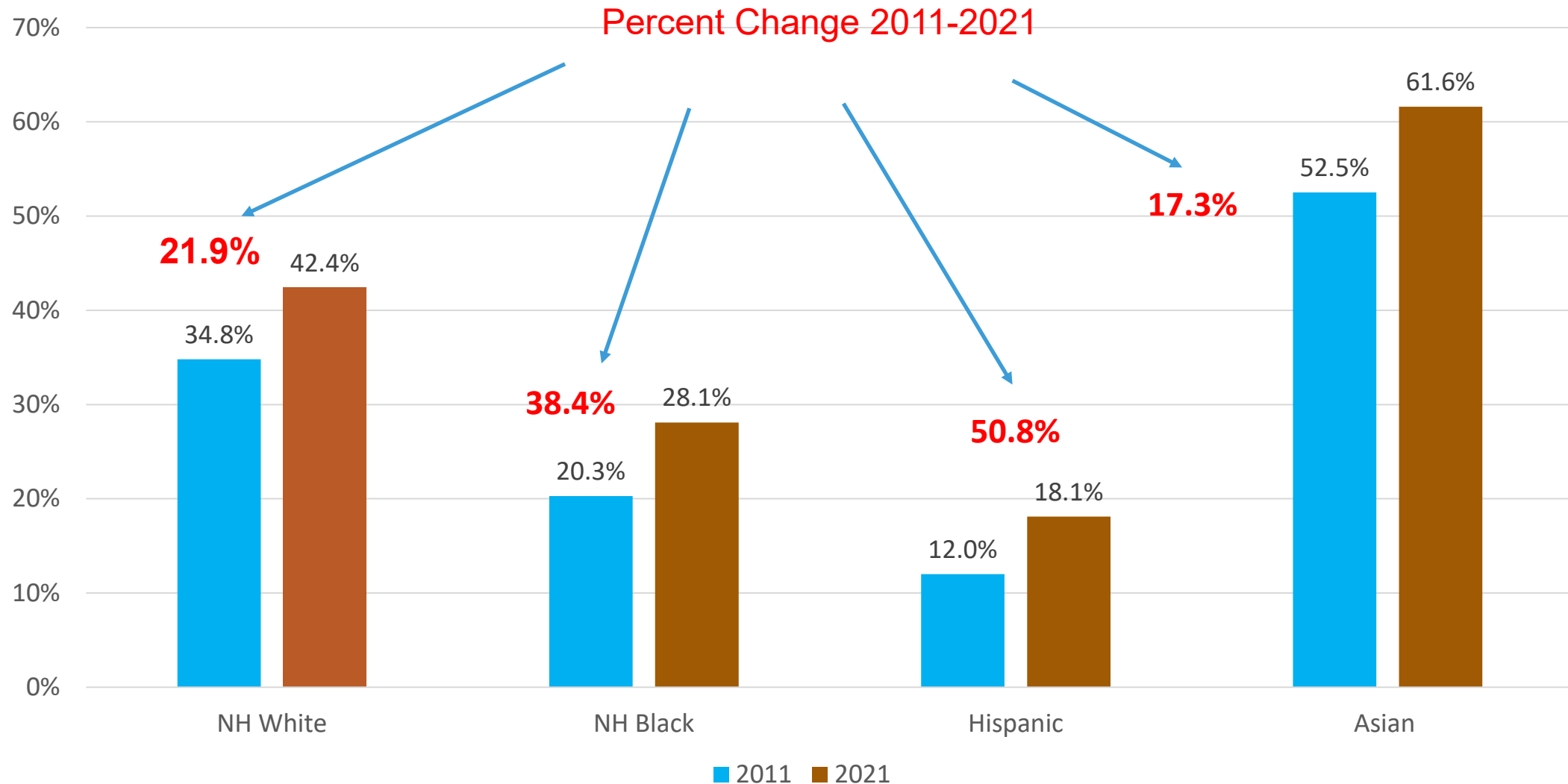
Births per 1,000 women aged 15-44



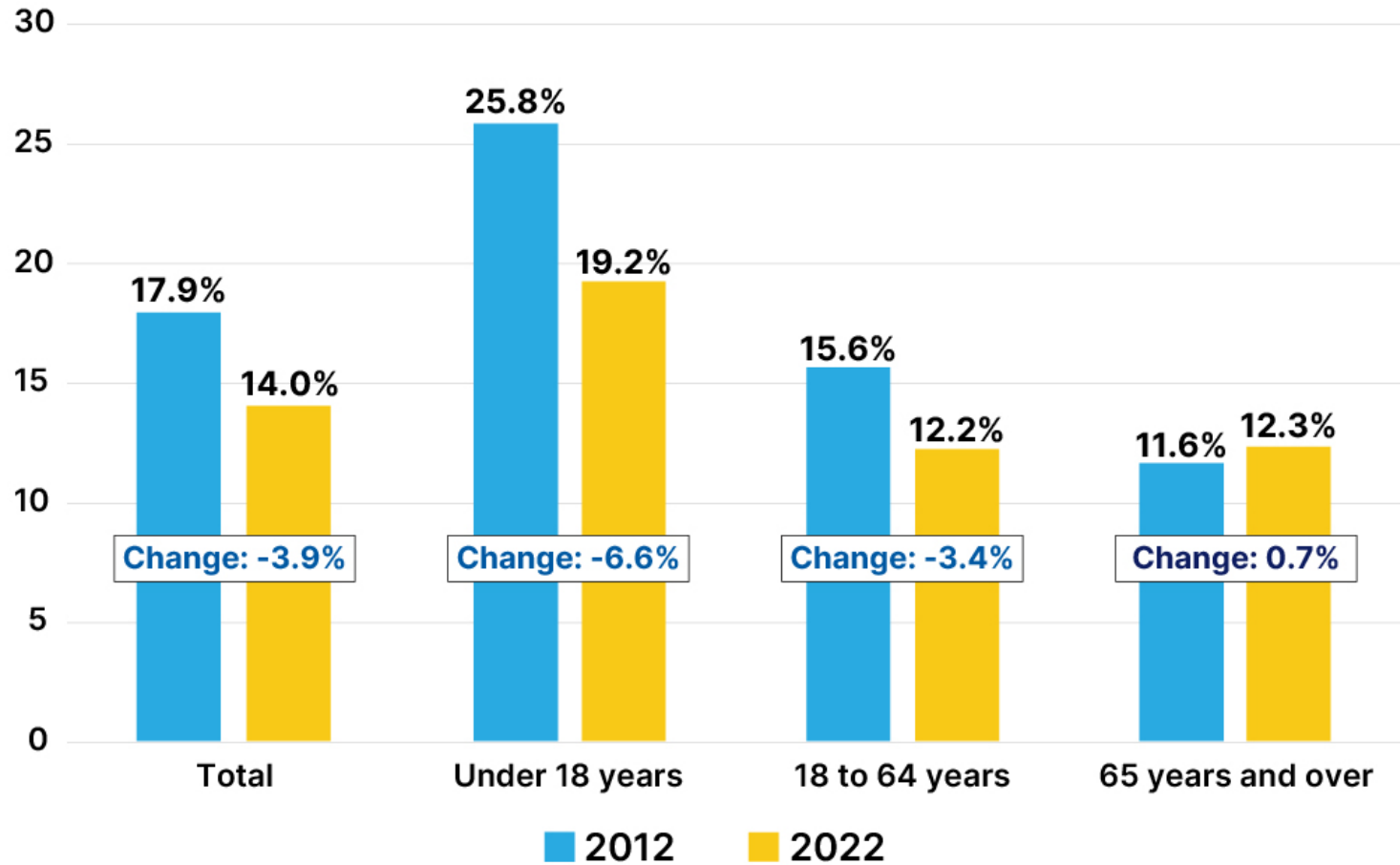
Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Natality on CDC WONDER Online Database, 2007-2022.



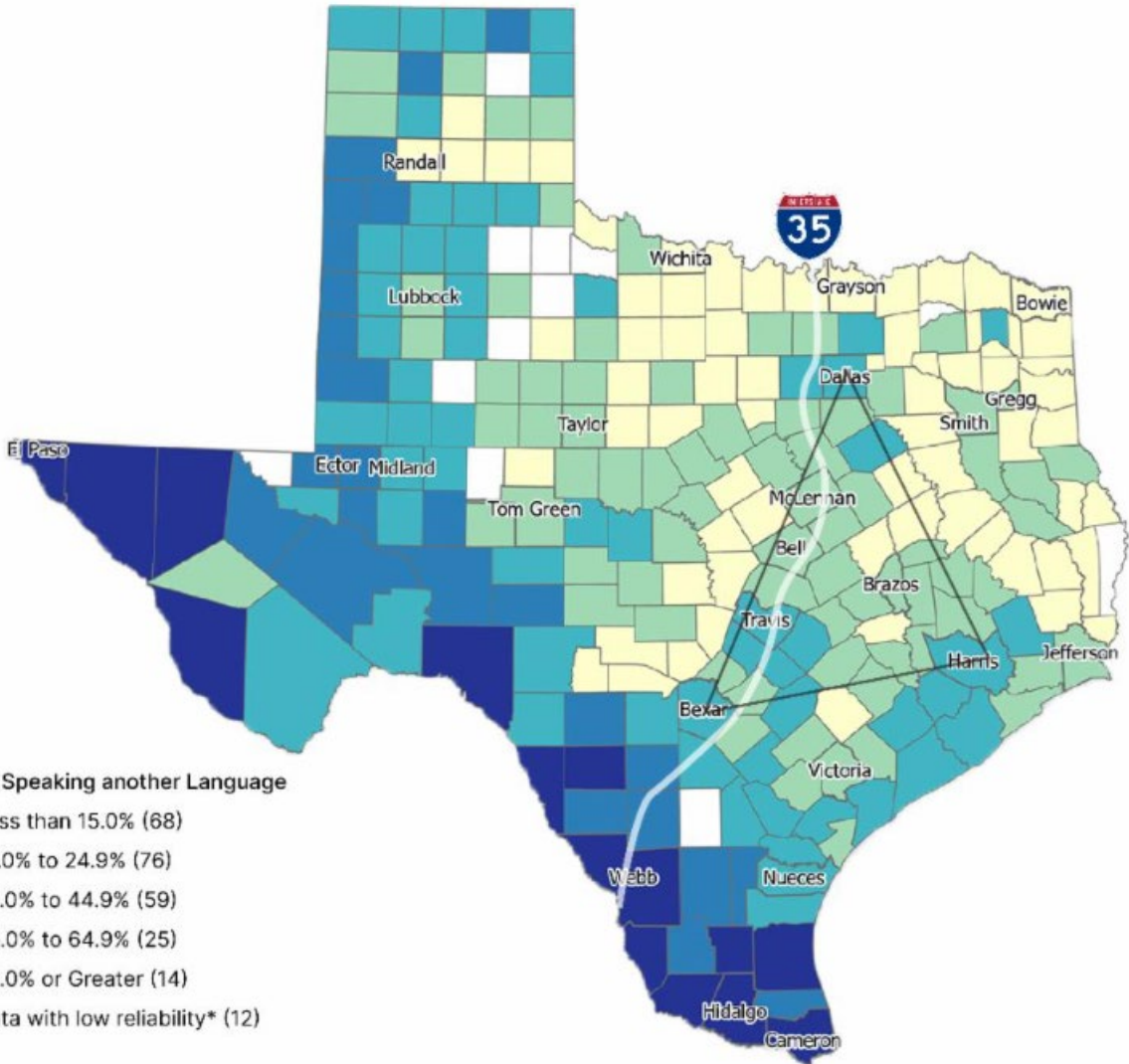
Change in the Percent of Population 25 Years and Older with a Bachelor's Degree or Higher, Texas, 2011 and 2021



Poverty Rates by Age Groups in Texas



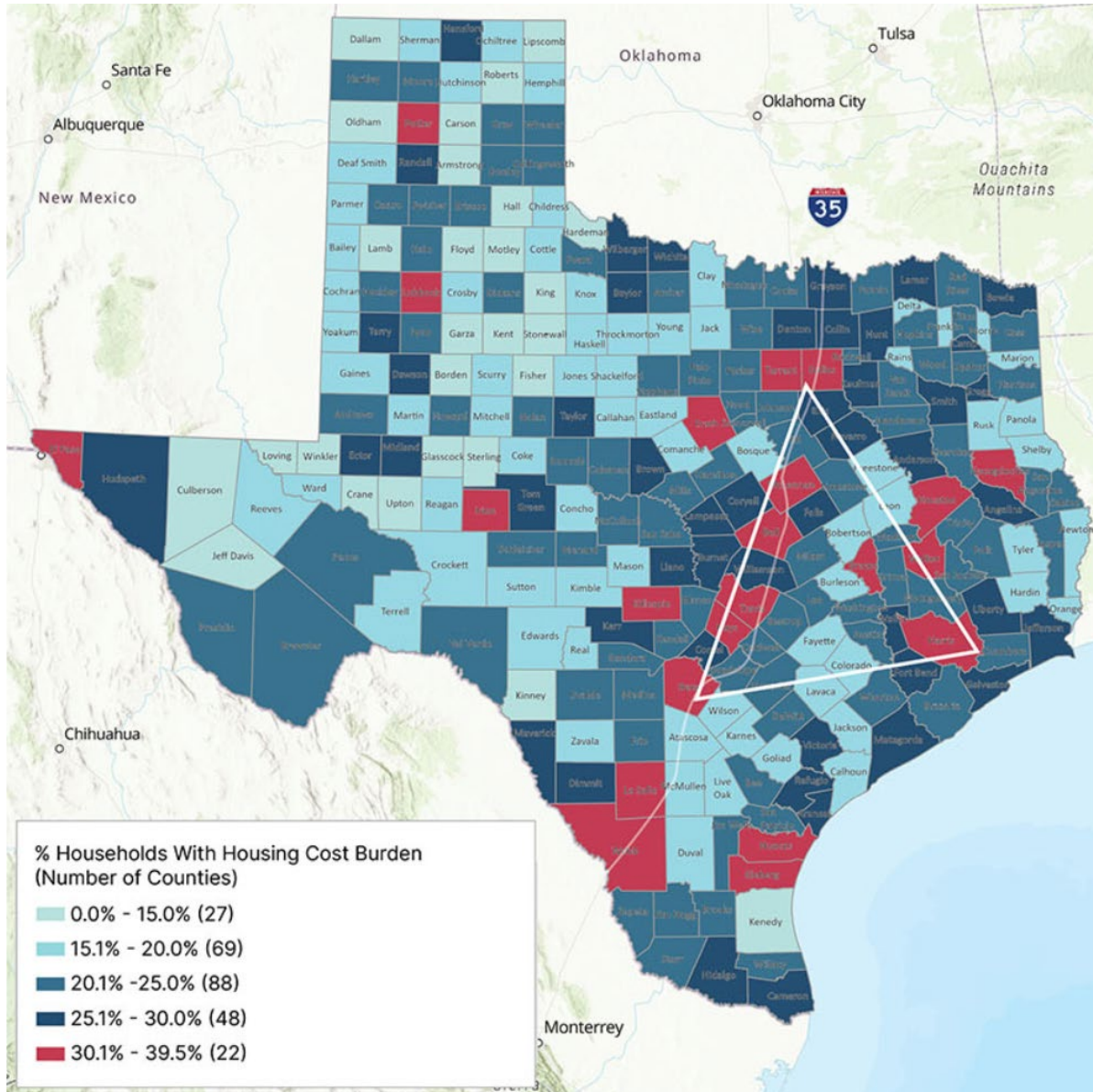
Percent of Population Speaking Another Language at Home in Texas Counties, 2022



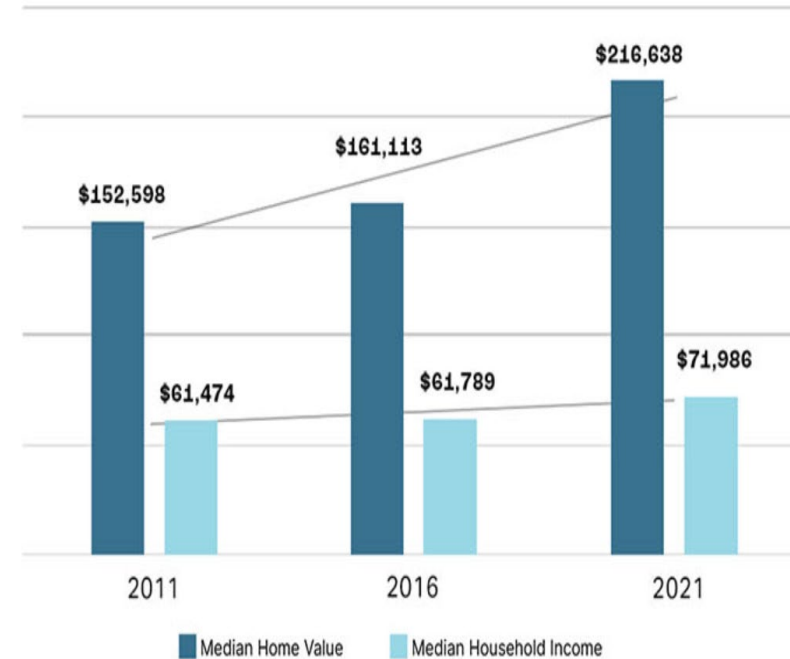
Source: U.S. Census Bureau, American Community Survey 5-year Estimates 2018-2022
Note: *The Coefficient of Variation (CV) is used to discern an estimate's reliability level. CVs over 30% are considered very unreliable.
 Map created by the Texas Demographic Center



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



Texas
Demographic
Center

TDC Estimates



WHAT Estimates Do We Produce?



- Estimates released in the fall of **every year**.
- July Estimates for the previous year and January estimates for the current year.
- Available now: 2022 estimates; upcoming: 2023 Estimates.
- **Total** population for all Texas counties and places (cities/towns).
- **Age, race, and sex** details for counties.
 - Single year of age;
 - 5 race/ethnic groups: Hispanic, NH White, NH Black, NH Asian, and NH Other;



➤ **TDC Surveys**

- ❖ *Higher Education, Private School Enrollment, Annexation & Boundary New Residential Units*

➤ **Administrative Data**

- ❖ *Medicare, Birth/Death, Voter Registration, Vehicle Registration, School Enrollment, Manufactured Homes Data*
- ❖ *Group Quarter (Prisons, college dorms, nursing home...)*

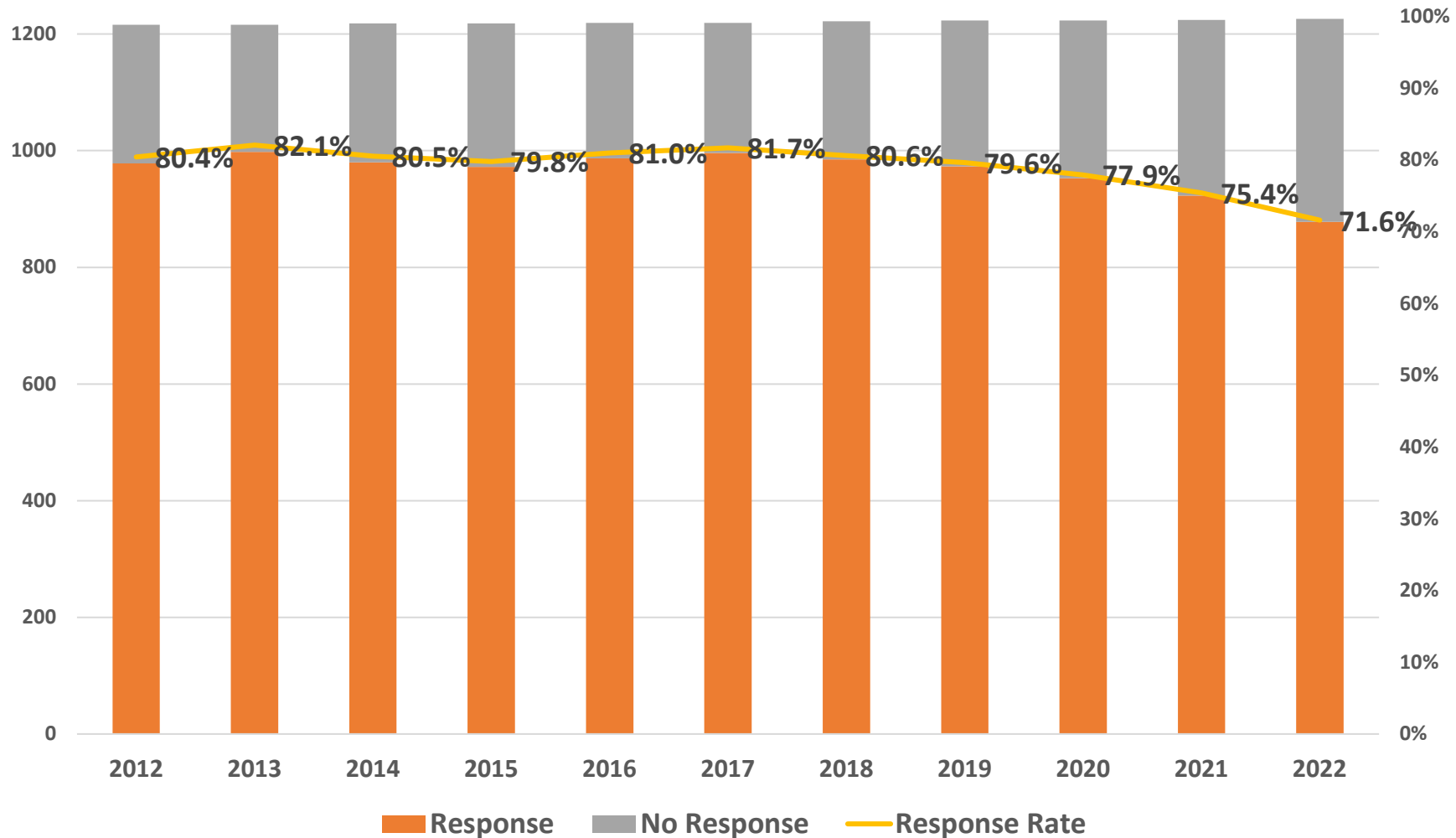
➤ **Publicly Available Data**

- ❖ *Decennial Census; American Community Survey (ACS) Data*

Survey Response Rate



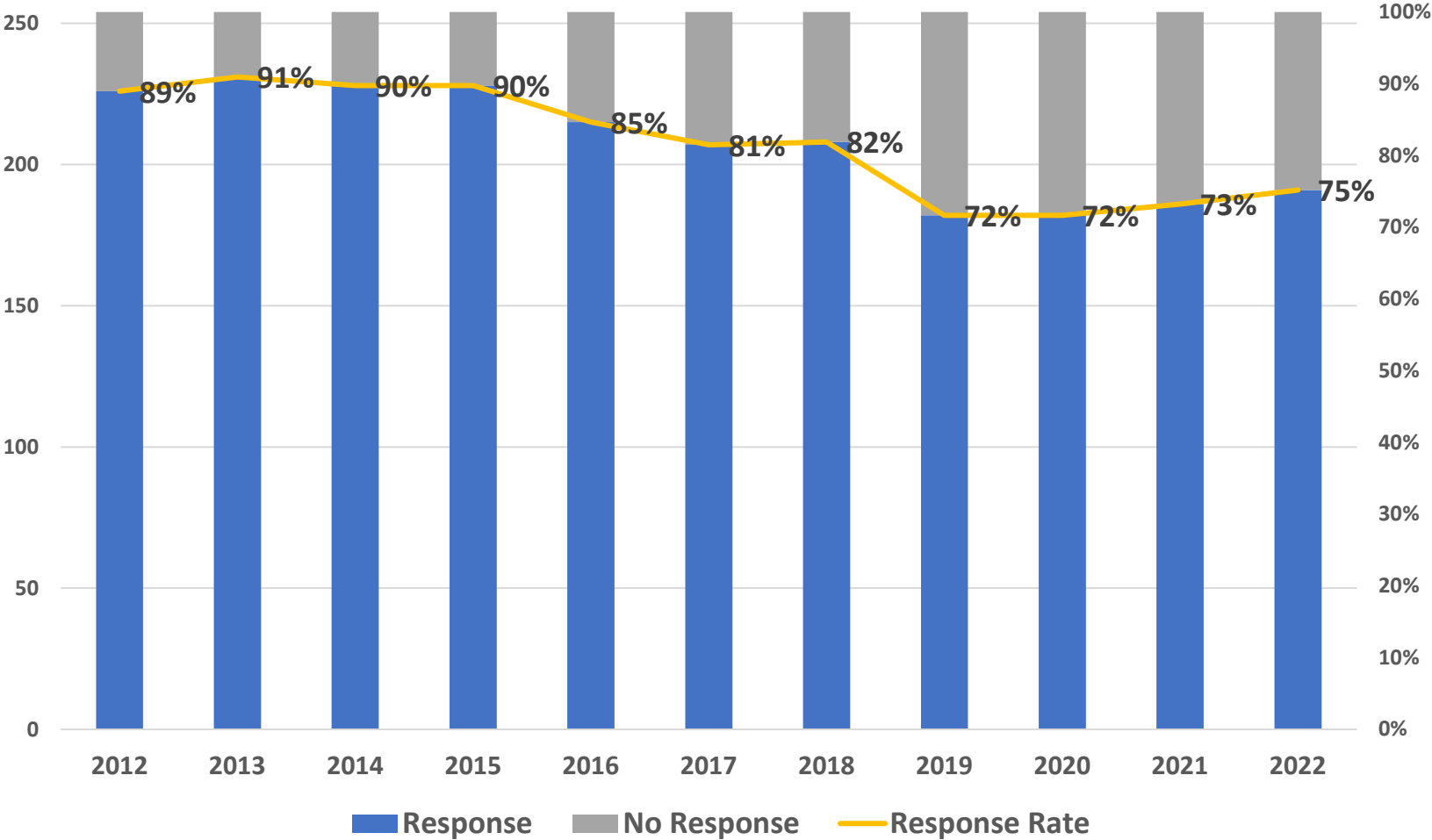
Survey of New Residential Units in Incorporated Places Response Rate



Survey Response Rate



Survey of New Residential Units in Unincorporated Areas Response Rate



Three Methods are used in the County Population Estimates



□ Component Method II

- $Population_{(t+k)} = Population_t$
+ Natural Increase (Births – Deaths)
+ Net Migrants (In-mig – Out-mig)
- Vital statistics data, school enrollment, medicare data

□ Housing Unit

- $Population_{(t+k)} = Population_t + [(New\ HU - Demo\ HU) * Occupancy\ Rates] * HH\ size$
- Building permit data, annexation & boundary data

□ Ratio Correlation

- Regression method using symptomatic indicators
- $PRI_{i,t} / PRI_{i,t-k} = a + b1 * (XRI_{i,t} / XRI_{i,t-k}) + b2 * (YRI_{i,t} / YRI_{i,t-k}) + \dots + \varepsilon$
- Birth, death, voter registration, vehicle registration, housing unit

Help US Spread the Word



❑ Important dates:

➤ Annexation and Boundary Survey & New Housing Unit **Surveys**

Sent out to counties/places: **Early January**;

Return deadline: **May 31**.



Online Form



Email



Mail

➤ Preliminary Estimates Review: **September**

➤ Final Estimates Release: **Early November**



Texas
Demographic
Center

TDC Projections



WHAT projections do we produce?



- Estimates released in the fall of **every other year**.
- From the most recent Census (2020) out to 40 years in the future (2060);
- Available now: Vintage 2022 projections; upcoming: Vintage 2024 projections.
- **Total** population and population by **age, race, and sex** for Texas and all its counties;
- Single year of age;
- 5 **race/ethnic groups**: Hispanic, NH White, NH Black, NH Asian, and NH Other;
- Two **migration scenarios** are provided.

The Cohort Component Model for Population Projections

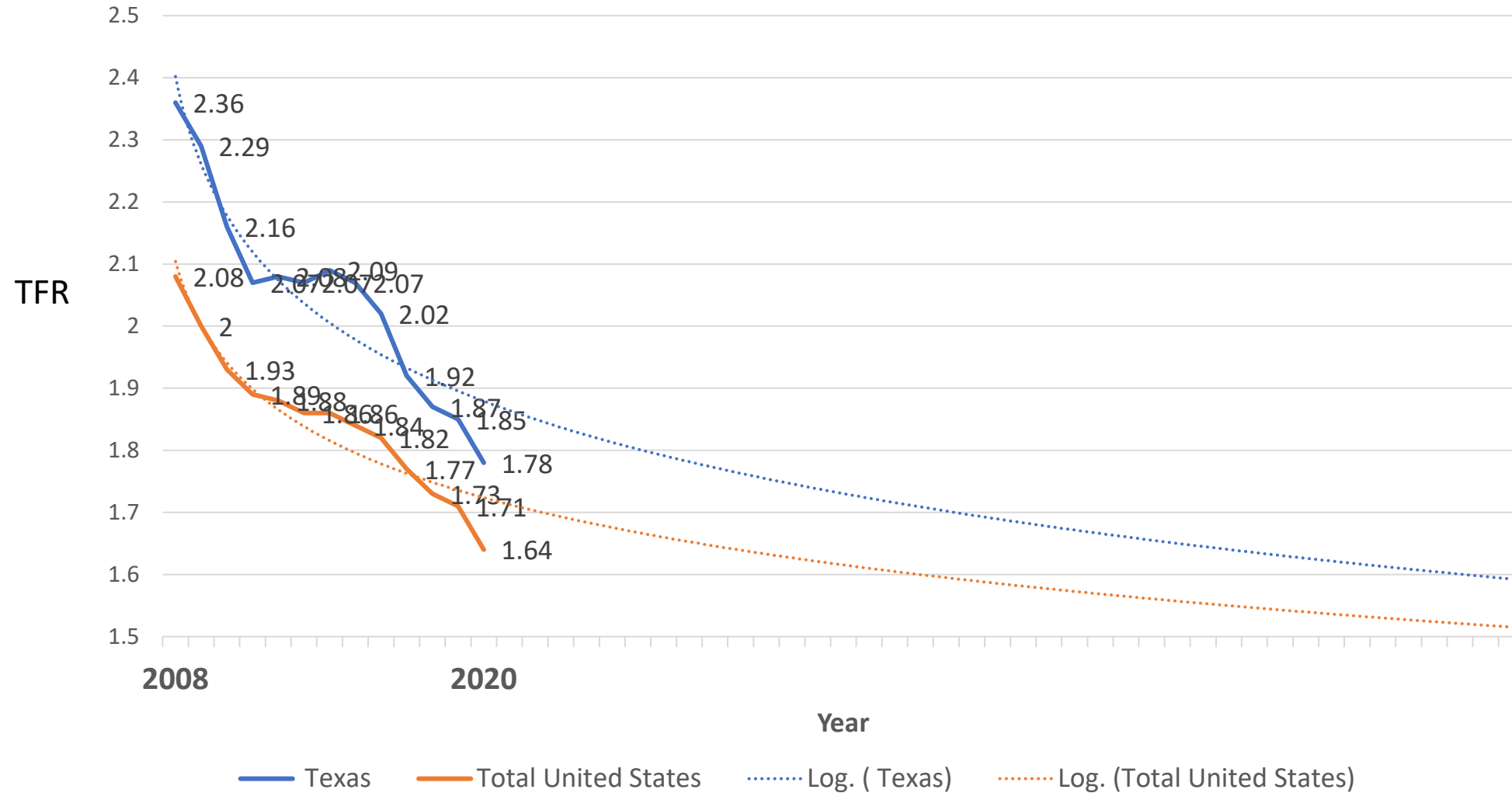


➤ **Future Population** = Current Population +

Projected Births — *Projected Deaths* + *Projected Net Migrants*

➤ *The components of population change (fertility, mortality, and net migration) are **projected separately** for each **birth cohort** (persons born in a given year)*

Historical and Projected Total Fertility Rate



Historical and Projected Life Expectancy for the U.S.



Life Expectancy at Birth 2020

US: 77

Male: 74.2

Female: 79.9

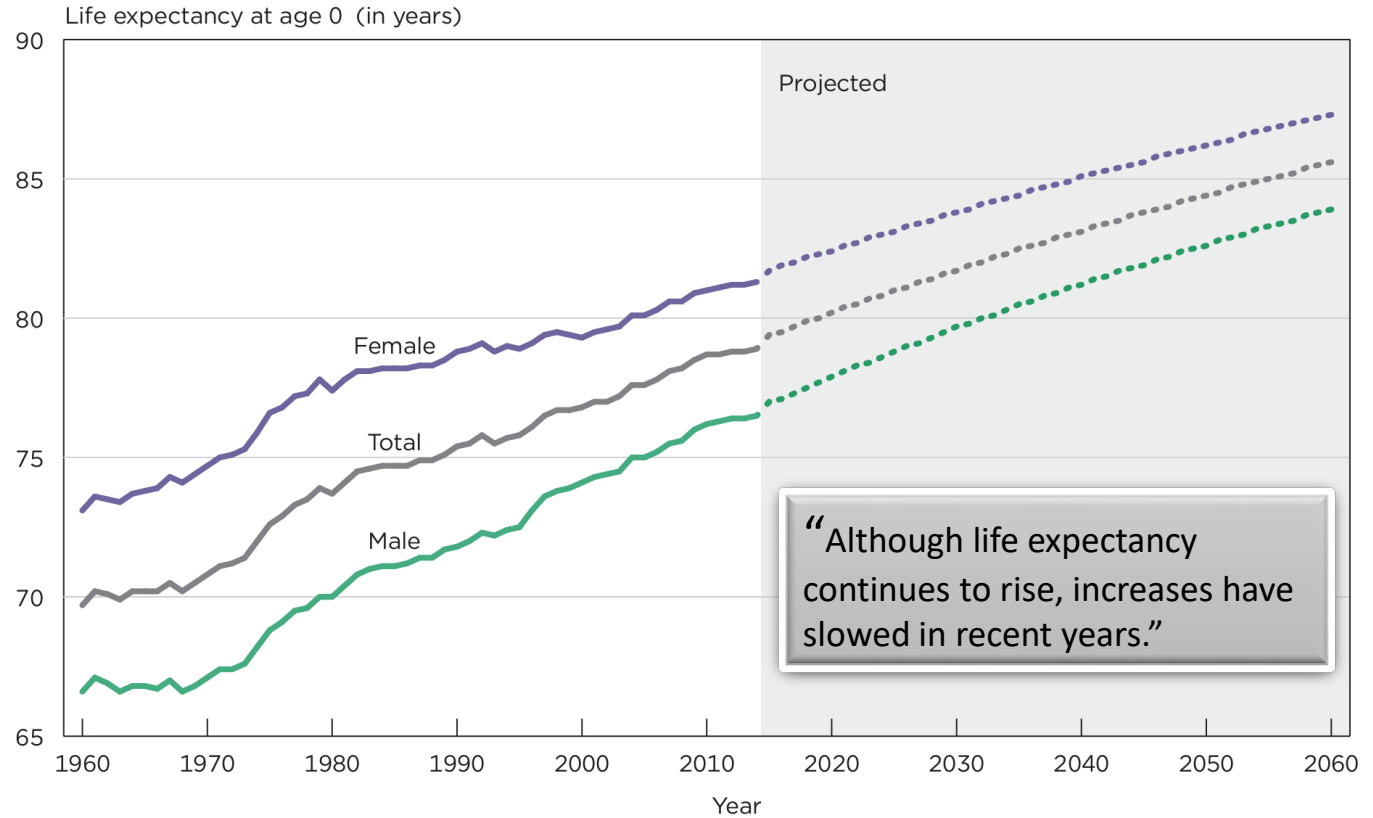
Texas: 76.5

Male: 73.7

Female: 79.3

Figure 1.

Historical and Projected Life Expectancy for the Total U.S. Population at Birth: 1960–2060



Sources: U.S. Census Bureau, 2017 National Population Projections, 2015–2060, and National Center for Health Statistics Life Tables, 1960–2014, <www.cdc.gov/nchs/data/nvsr/nvsr68/nvsr68_07-508.pdf>.



➤ Migration Scenarios

*Use the migration patterns during certain **historical periods** to project into the future.*

Mig 1.0: Migration rates between 2010-2020

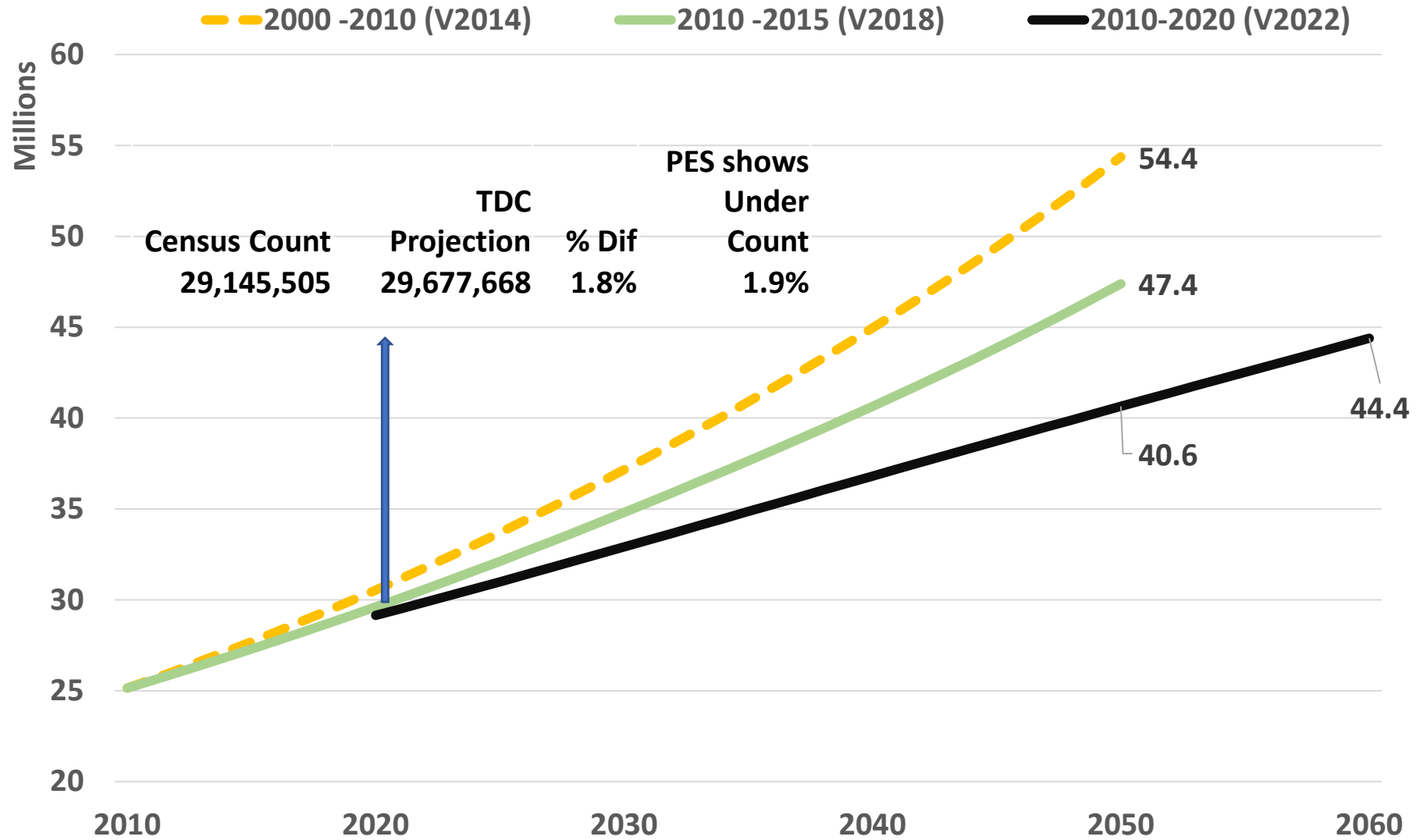
Mig 0.5: **Half** of the migration rates between 2010-2020

➤ The “residual” method

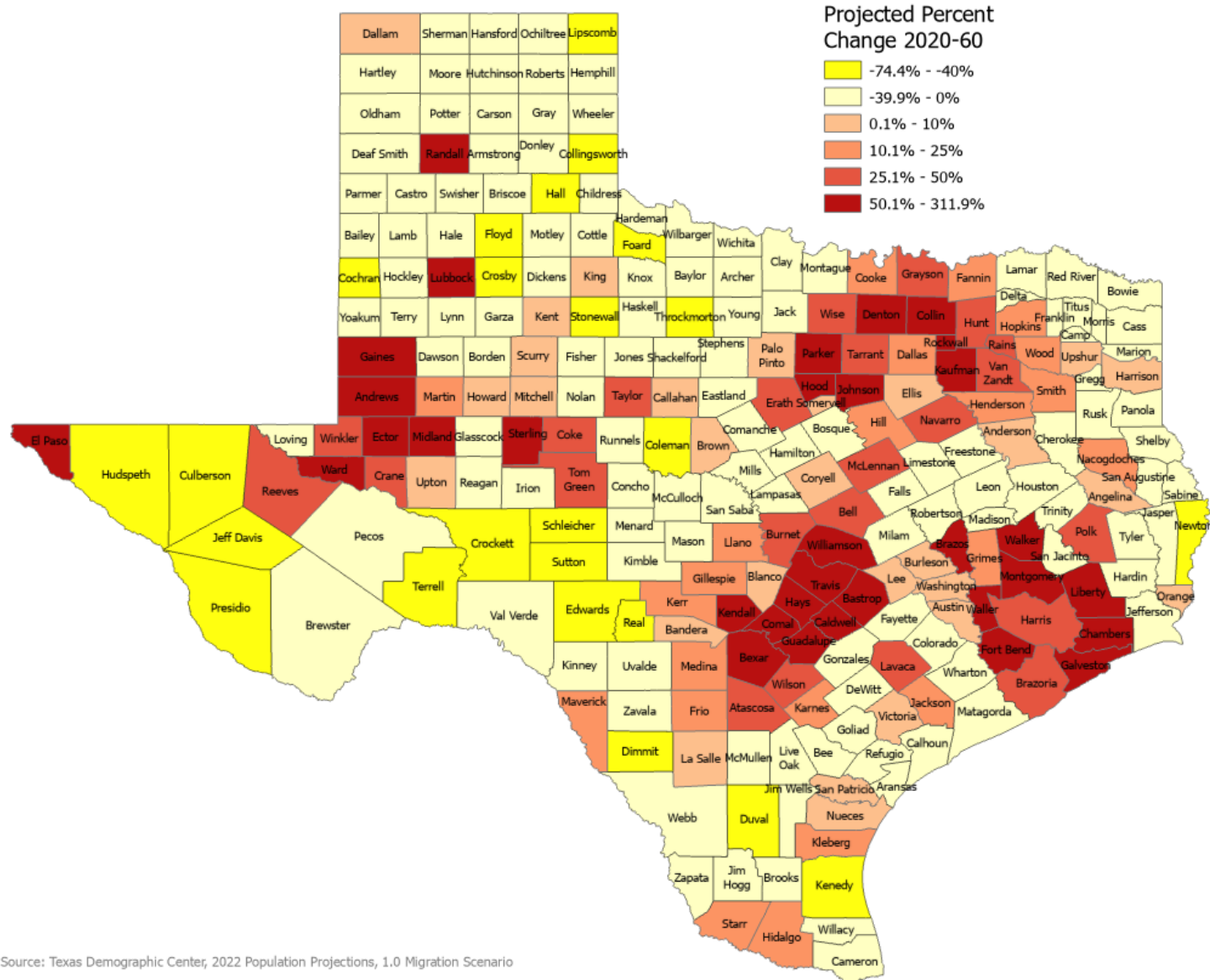
$$\text{Net Migrants (2020-2010)} = \text{Population Change (2020-2010)} - \text{Natural Change (B-D) (2020-2010)}$$

- **Net Migration Rate** = *Net Migrants / Base Population*
- *These rates are Age, race, county/region- specific*

TDC Projections with Different Migration Scenarios

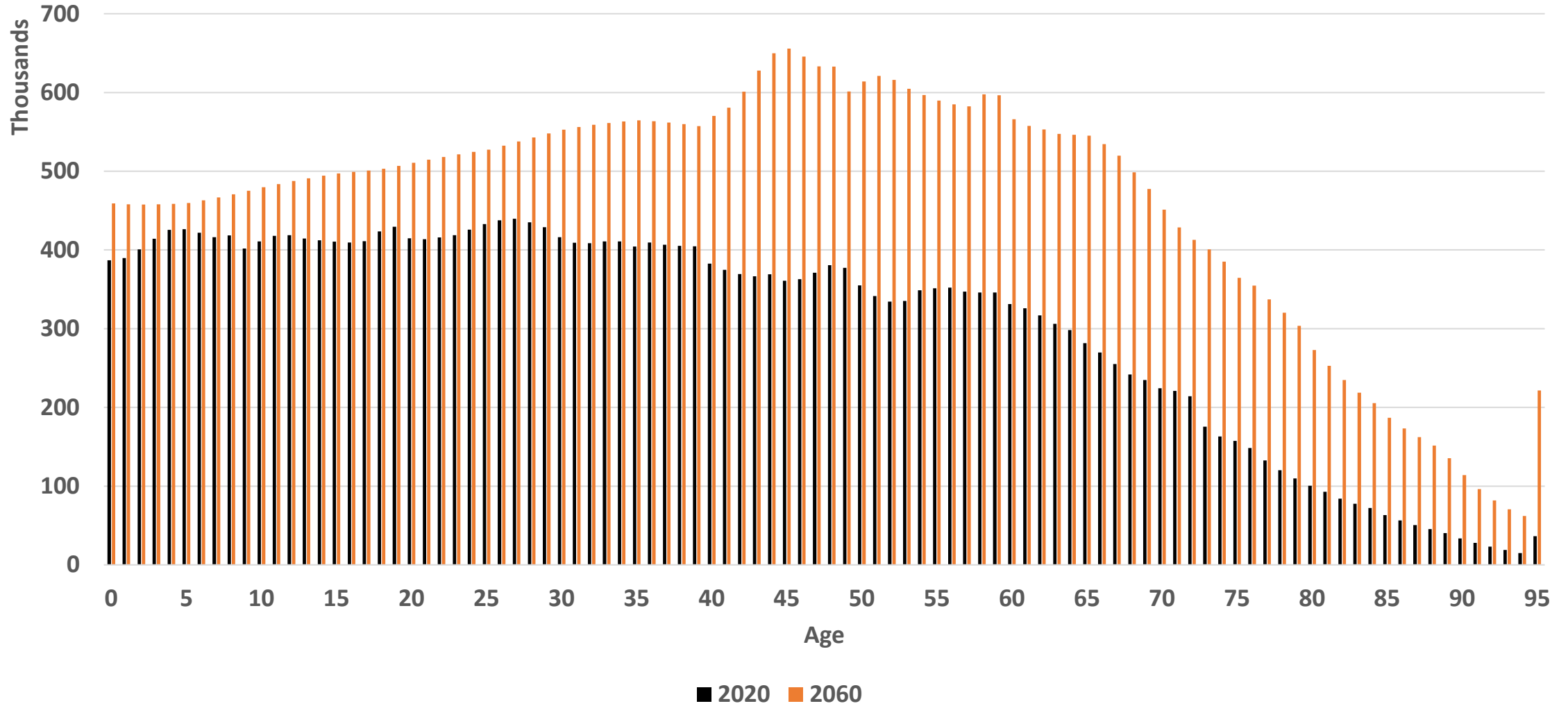


Projected Percent Population Change, Texas Counties, 2020-2060



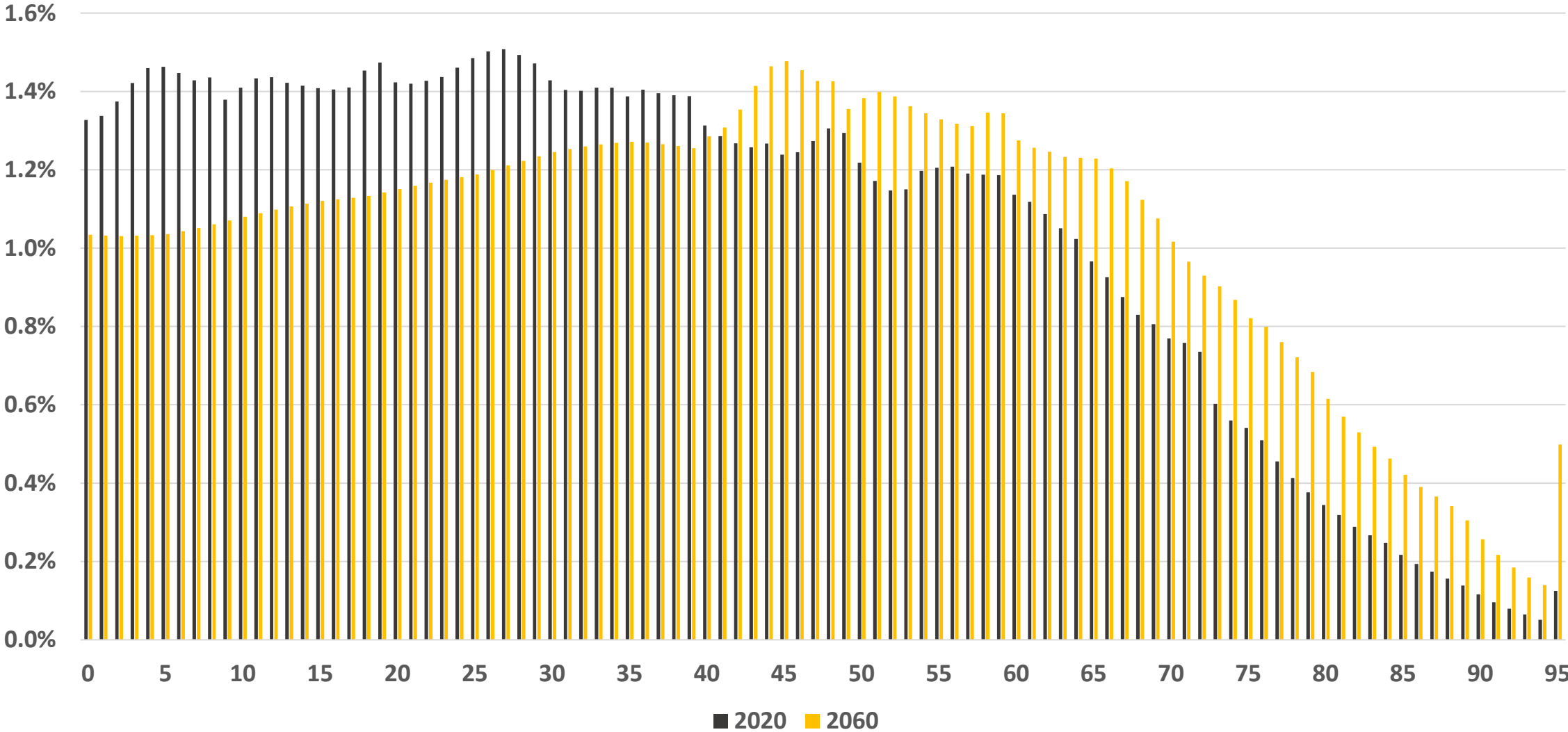
Source: Texas Demographic Center, 2022 Population Projections, 1.0 Migration Scenario

Projected Population by Age in Texas, 2020 and 2060



SOURCE: Texas Demographic Center, Vintage 2022 Population Projections

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

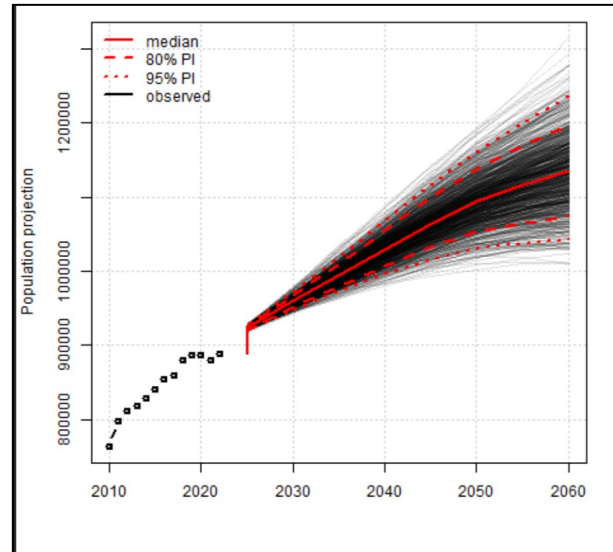


SOURCE: Texas Demographic Center, Vintage 2022 Population Projections

We Welcome Your feedback



- We are researching:
 - A High immigration scenario
 - Probabilistic projections



- Alternative projections for regions incorporating future developmental plans

➤ We welcome your feedback and seek collaborators!

Access data on our website



Estimates webinar:

<https://www.youtube.com/watch?v=bua9h533nt4&t=318s>

Access **data**: <https://demographics.texas.gov/Projections/2022/>

Projection webinar:

<https://www.youtube.com/watch?v=UHJ3J3-IGHk>

Access **data**: <https://demographics.texas.gov/Estimates/2022/>

Interactive maps:

<https://demographics.texas.gov/Interactive/>



Visit our website



**Sign up for our
newsletter**



**Follow us on
social media**



Follow us on social media!



@TexasDemography

Texas Demographic Center
@TexasDemography

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

Legend for Percent AIAN Population (State Percentage):

- 0.73-0.98 (42)
- 0.99-1.23 (6)
- 1.24-1.48 (12)
- 1.49-1.73 (7)
- 1.74-1.98 (10)
- 1.99-2.23 (10)
- 2.24-2.48 (10)
- 2.49-2.73 (10)
- 2.74-2.98 (10)
- 2.99-3.23 (10)
- 3.24-3.48 (10)
- 3.49-3.73 (10)
- 3.74-3.98 (10)
- 3.99-4.23 (10)
- 4.24-4.48 (10)
- 4.49-4.73 (10)
- 4.74-4.98 (10)
- 4.99-5.23 (10)
- 5.24-5.48 (10)
- 5.49-5.73 (10)
- 5.74-5.98 (10)
- 5.99-6.23 (10)
- 6.24-6.48 (10)
- 6.49-6.73 (10)
- 6.74-6.98 (10)
- 6.99-7.23 (10)
- 7.24-7.48 (10)
- 7.49-7.73 (10)
- 7.74-7.98 (10)
- 7.99-8.23 (10)
- 8.24-8.48 (10)
- 8.49-8.73 (10)
- 8.74-8.98 (10)
- 8.99-9.23 (10)
- 9.24-9.48 (10)
- 9.49-9.73 (10)
- 9.74-9.98 (10)
- 10.00-10.23 (10)

Map prepared by the Texas Demographic Center.

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

8K 3K 11K



Texas Demographic Center

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	14.0%
Some other race alone	4.9%
Asian alone	1.7%
American Indian and Alaska Native alone	0.6%
Native Hawaiian and Other Pacific Islander alone	0.2%

Age

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

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.

Like Comment Share



texasdemographiccenter

texasdemographiccenter

American Indian and Alaska Native Heritage Month

DID YOU KNOW?

- Cherokee** is the largest American Indian alone 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)**, **Yalea del Sur Pueblo (El Paso County)**, and **Kickapoo Indian Reservation (Mower 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.

Source: U.S. Census Bureau, 2020 Decennial Detailed Demographic and Housing Characteristics File A
2022 American Community Survey 1-year estimates
Prepared by the Texas Demographic Center.

10.328 views
texasdemographiccenter In November, we celebrate the rich heritage of the American Indian and Alaska Native
View all 3 comments
5 DAYS AGO



Texas Demographic Center

Texas Demographic Center
247 followers
1 mo •

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

Legend: 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.

23 2 comments • 2 reposts

Like Comment Repost




Texas
Demographic
Center

Q&A



Monica Cruz, Ph.D.

Helen You, Ph.D.

 (210) 458-6530

 TDC@UTSA.edu

 demographics.texas.gov/

 @TexasDemography



Texas
Demographic
Center

