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Texas Future in Numbers: Population Projections Explained

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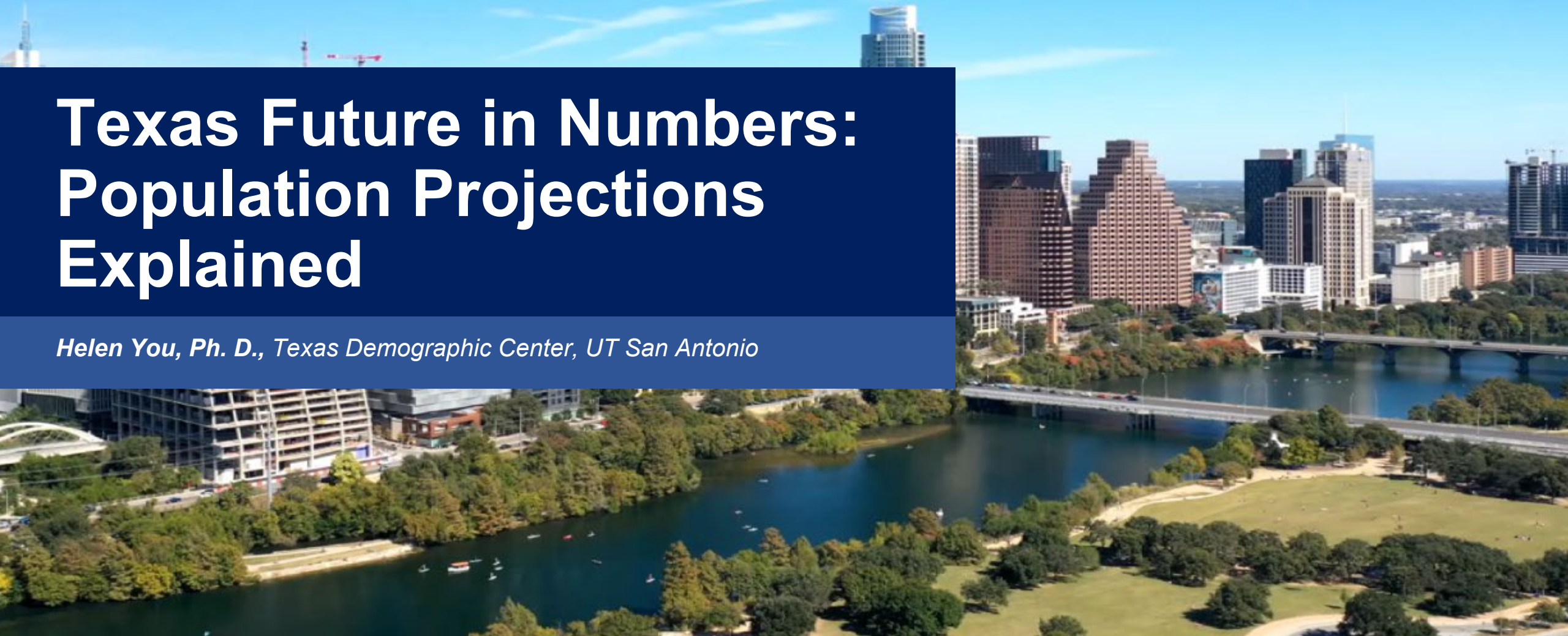

TDC Projection Overview

Overview

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;
- From the most recent Census (2020) out to 40 years in the future (2060);
- Three migration scenarios are provided – low, mid and high.

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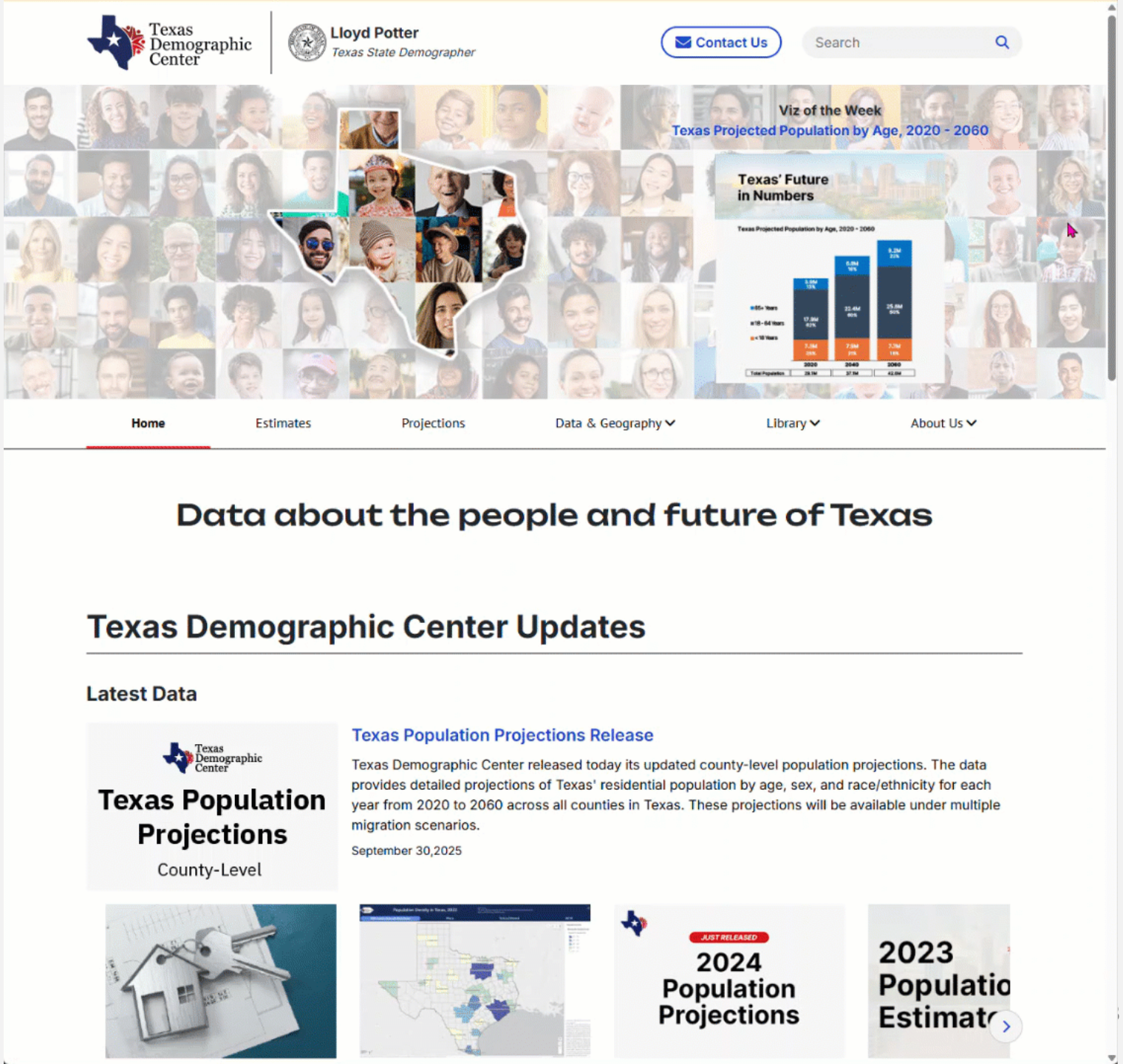
Access the TDC Projections



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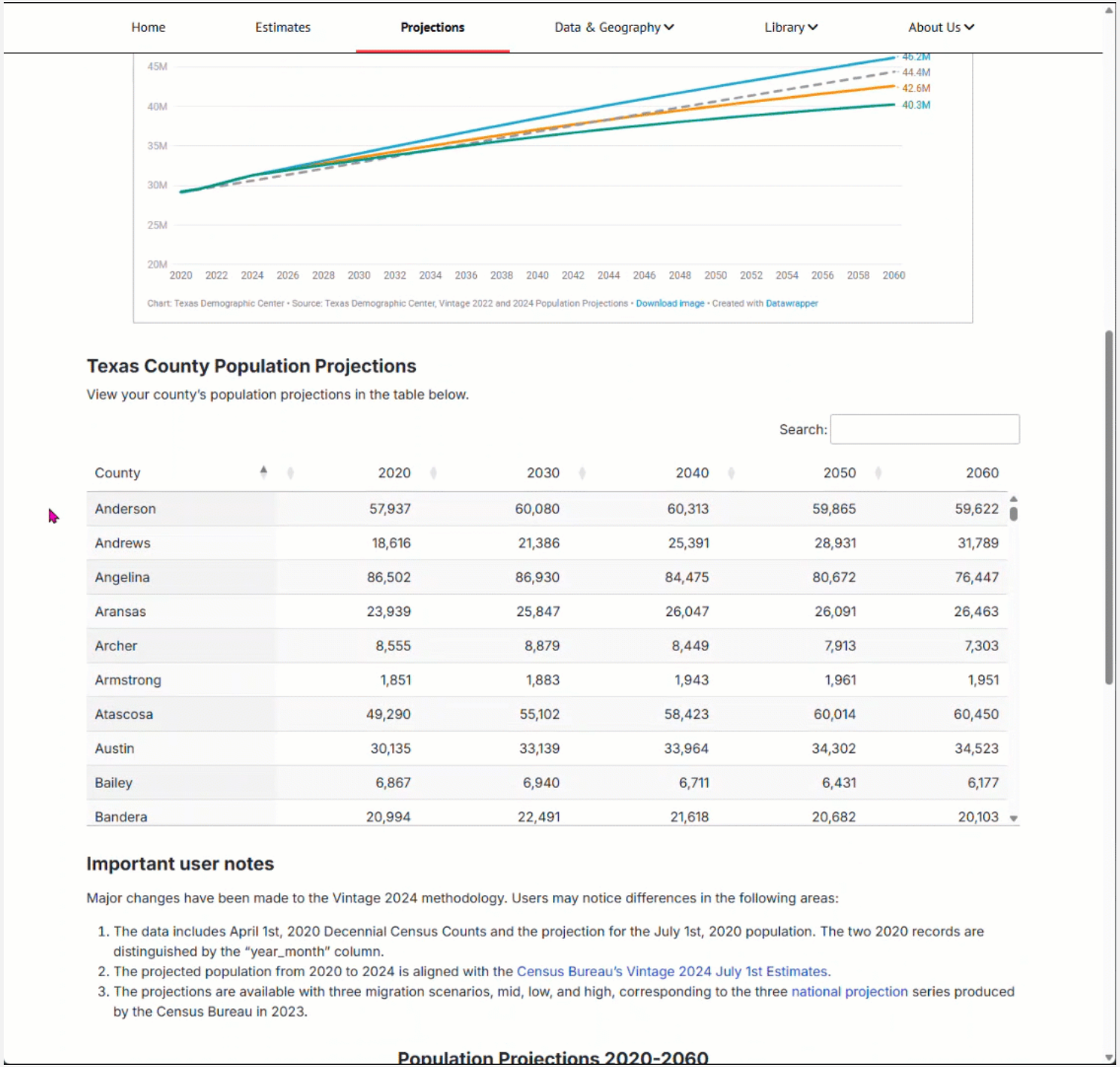
TDC Projections Table



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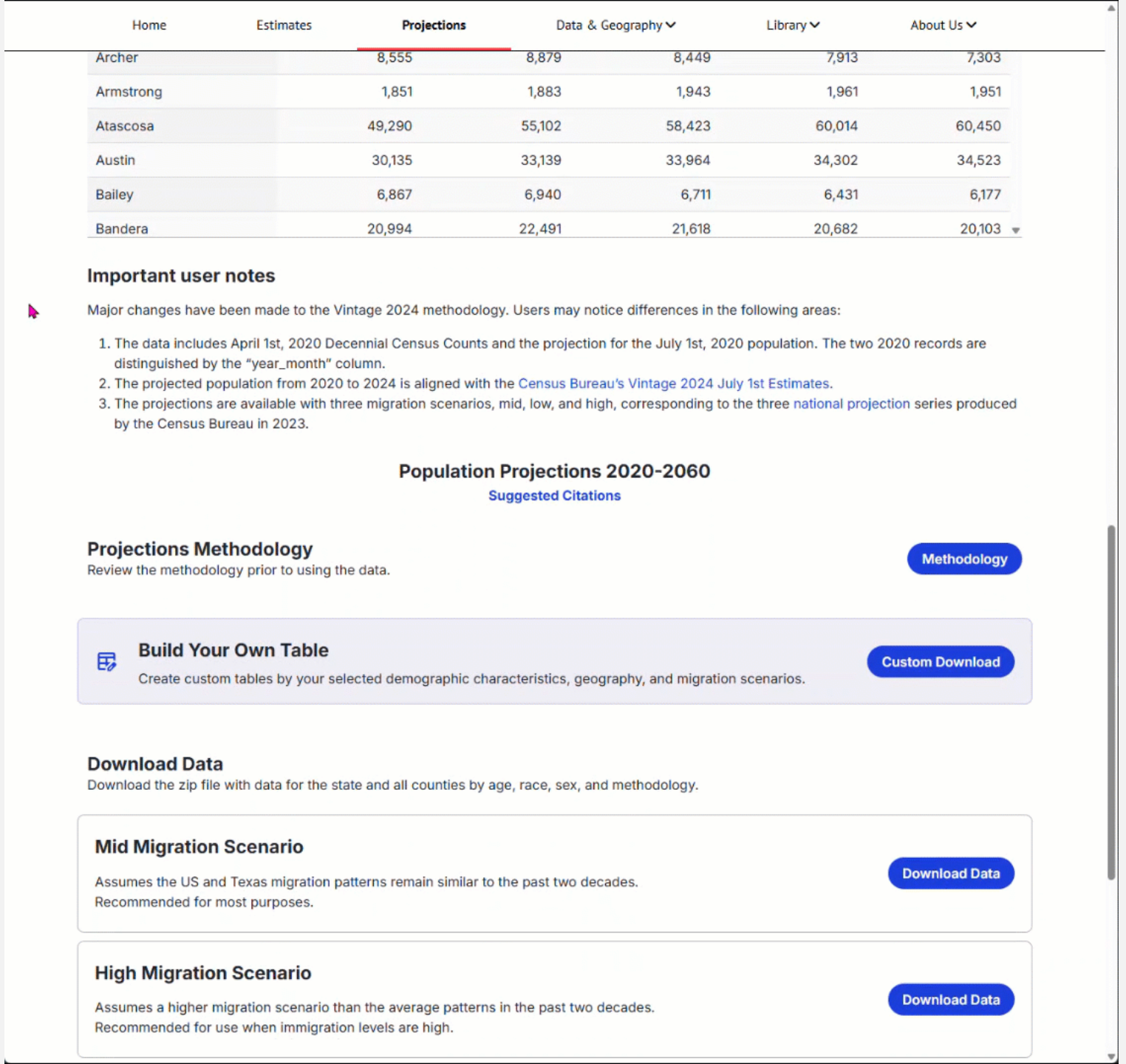
TDC Projections Data Tool



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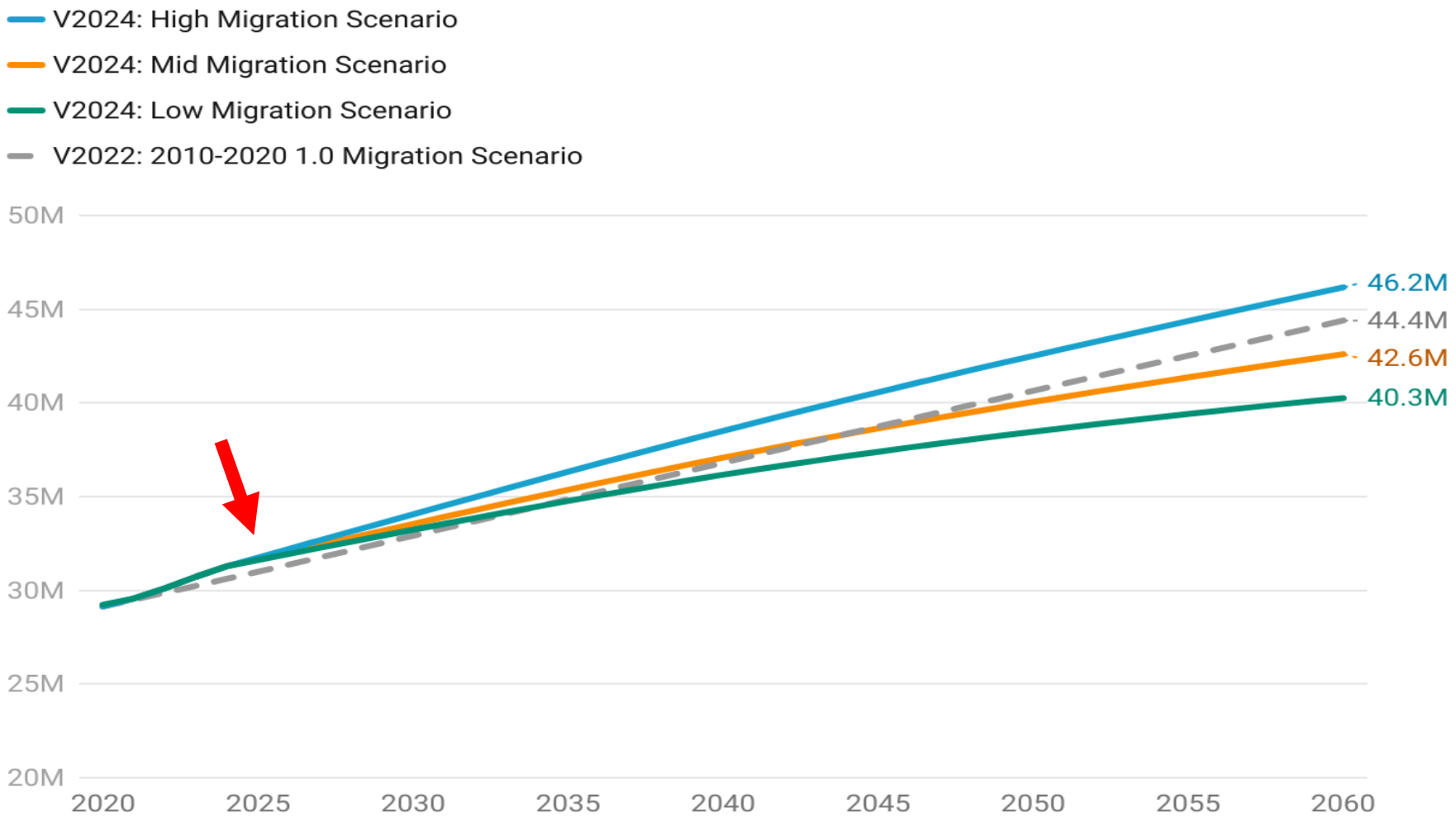
Projected Population Growth in Texas under Various Migration Scenarios



Source: Texas Demographic Center, Vintage 2022 and Vintage 2024 Population Projections

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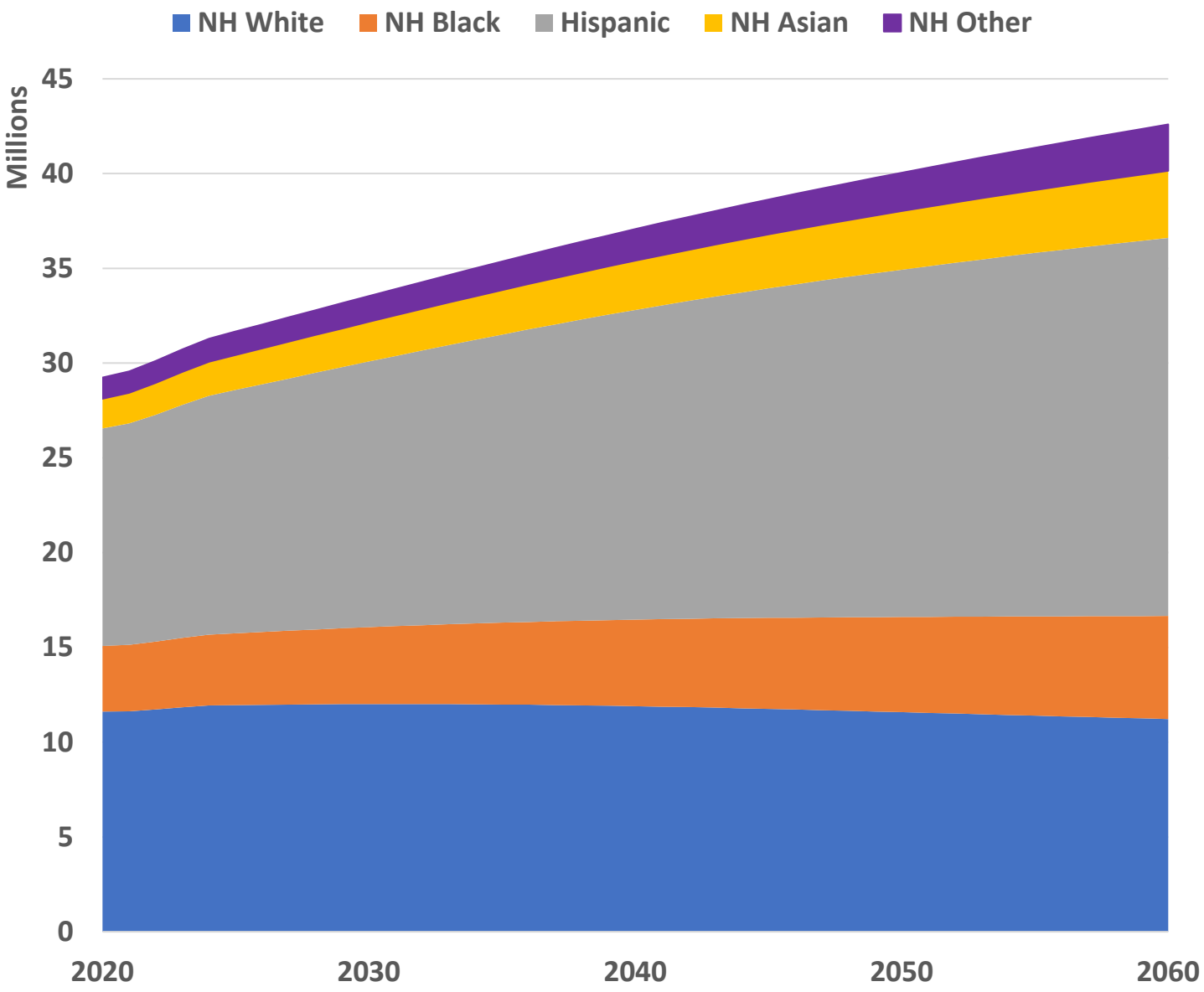
Projected Population by Race/Ethnicity 2020-2060

Mid Migration Scenario

All race/ethnic groups are projected to grow in size except for the non-Hispanic White.

Hispanics will gain the most population, while NH Asians will experience the fastest growth



Source: Texas Demographic Center, Vintage 2024 Population Projections, Mid Migration Scenario

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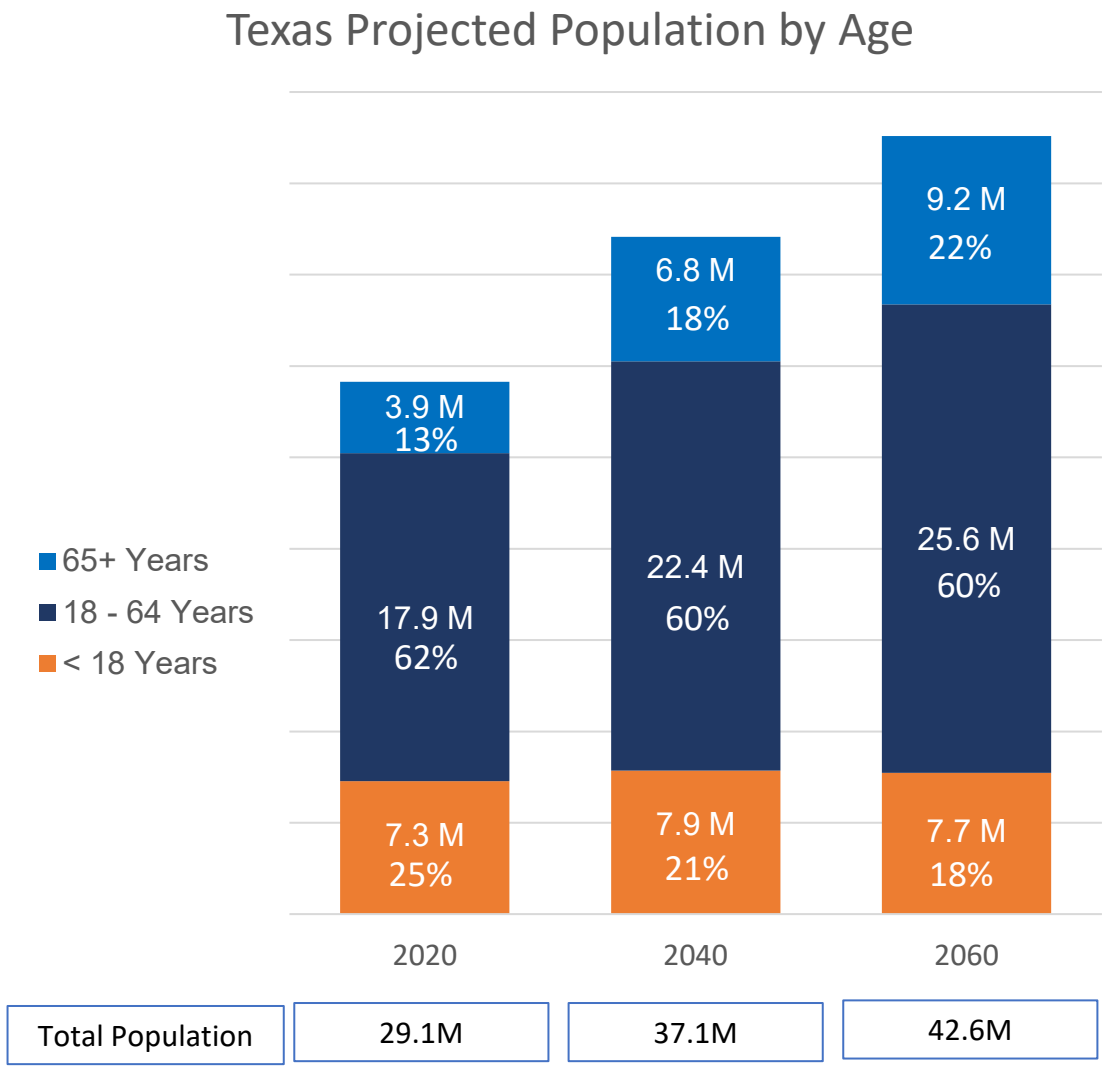
Projected Population by Age 2020, 2040, and 2060

Mid Migration Scenario

- Texas will continue to age in the next few decades.
- The 65+ group will grow fastest.
- Growth among those under 18 will slow and begin to decline.
- The working-age population will grow and maintain a stable share of the total population.



Source: Texas Demographic Center, Vintage 2024 Population Projections, Mid Migration Scenario

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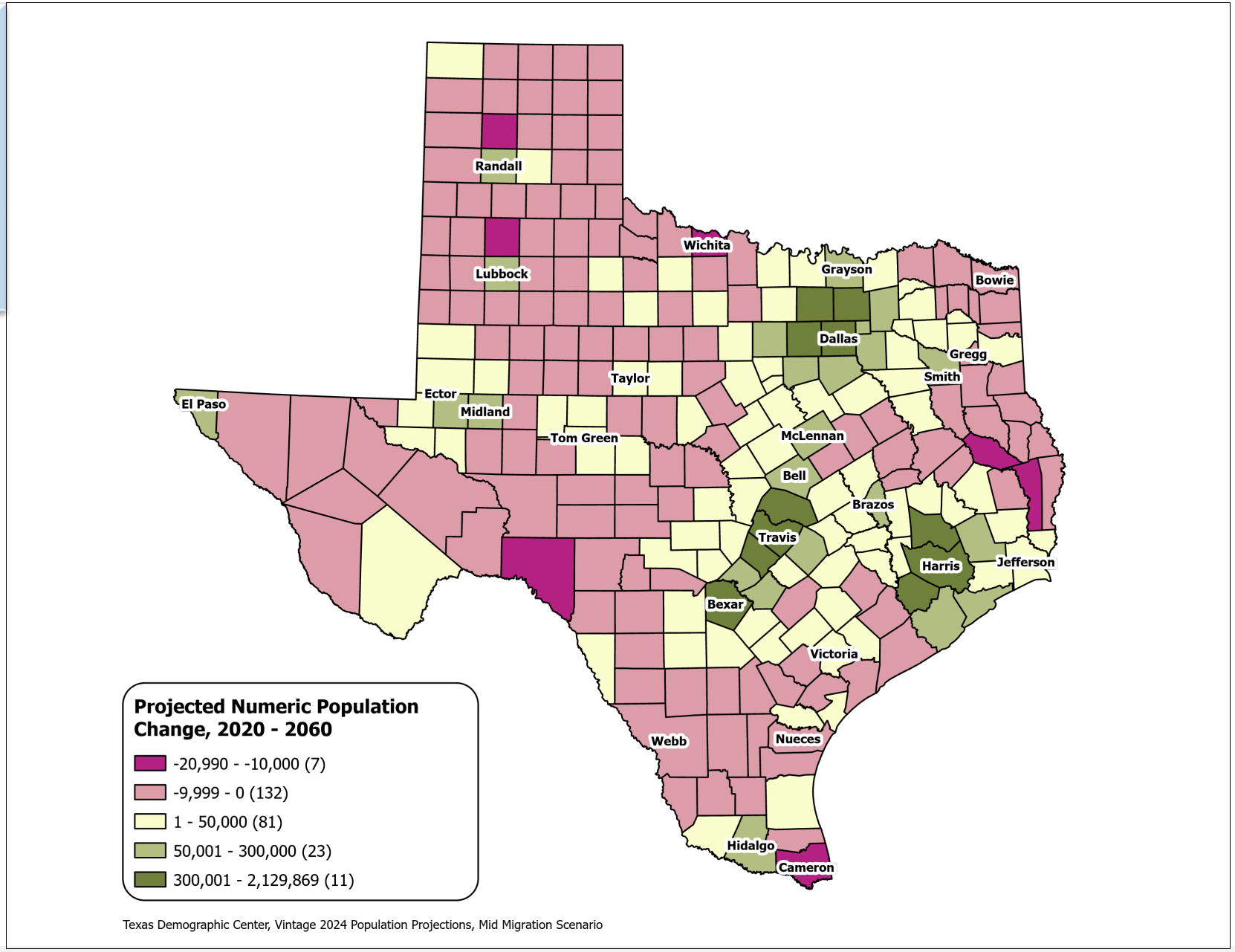
Texas Counties

Projected Population
Numeric Change 2020-2060

Mid Migration Scenario

- 139 Counties are projected to lose population
- Current MSA counties will account for 99% of the state's growth from 2020 to 2060
- The four MSAs within the TX Triangle will increase their share of population from 67% to 74%



Source: Texas Demographic Center, Vintage 2024 Population Projections, Mid Migration Scenario

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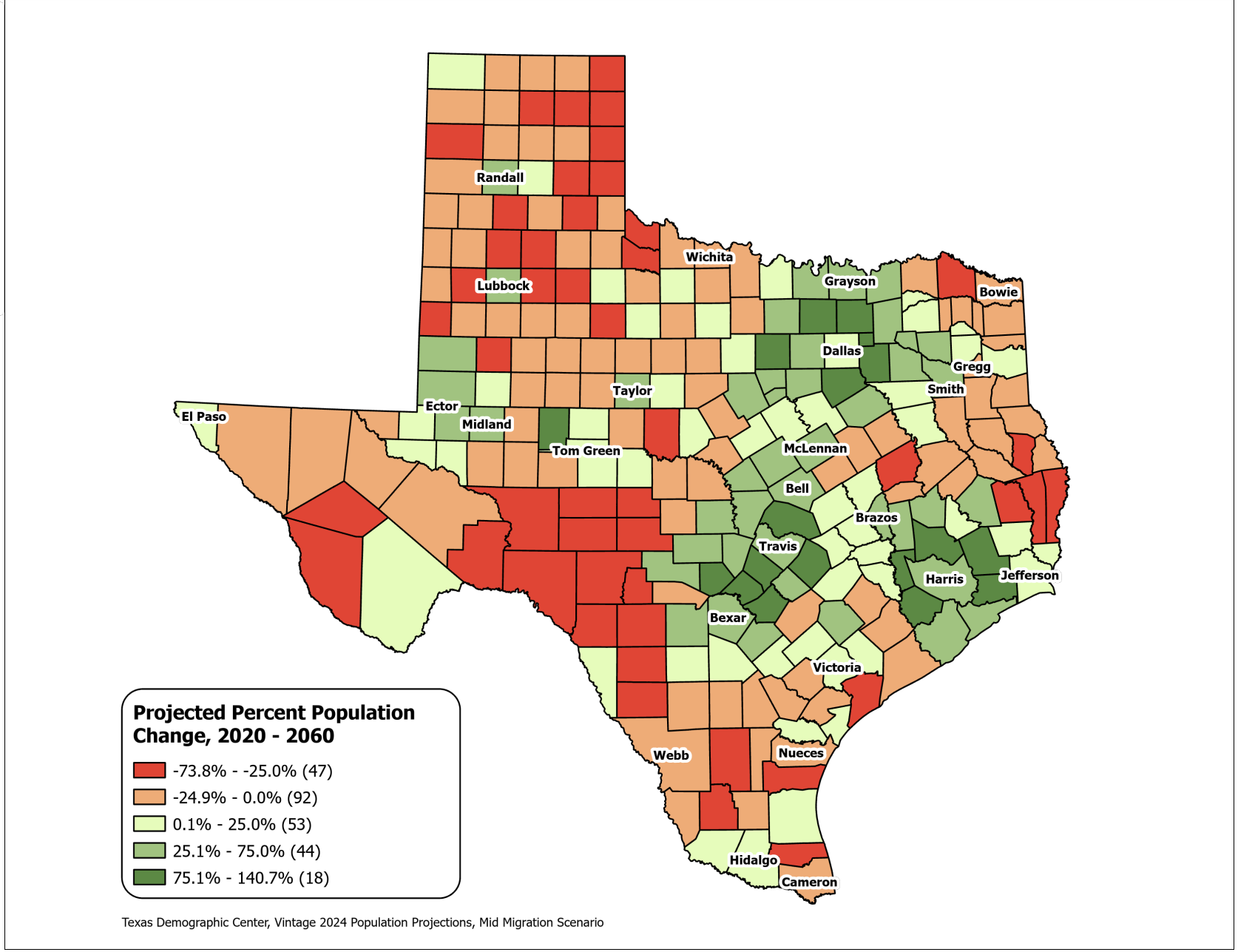
Texas Counties

Projected Population Percent Change 2020-2060

Mid Migration Scenario

- Suburban ring counties in the triangle area will see the fastest growth rates.



Source: Texas Demographic Center, Vintage 2024 Population Projections, Mid Migration Scenario

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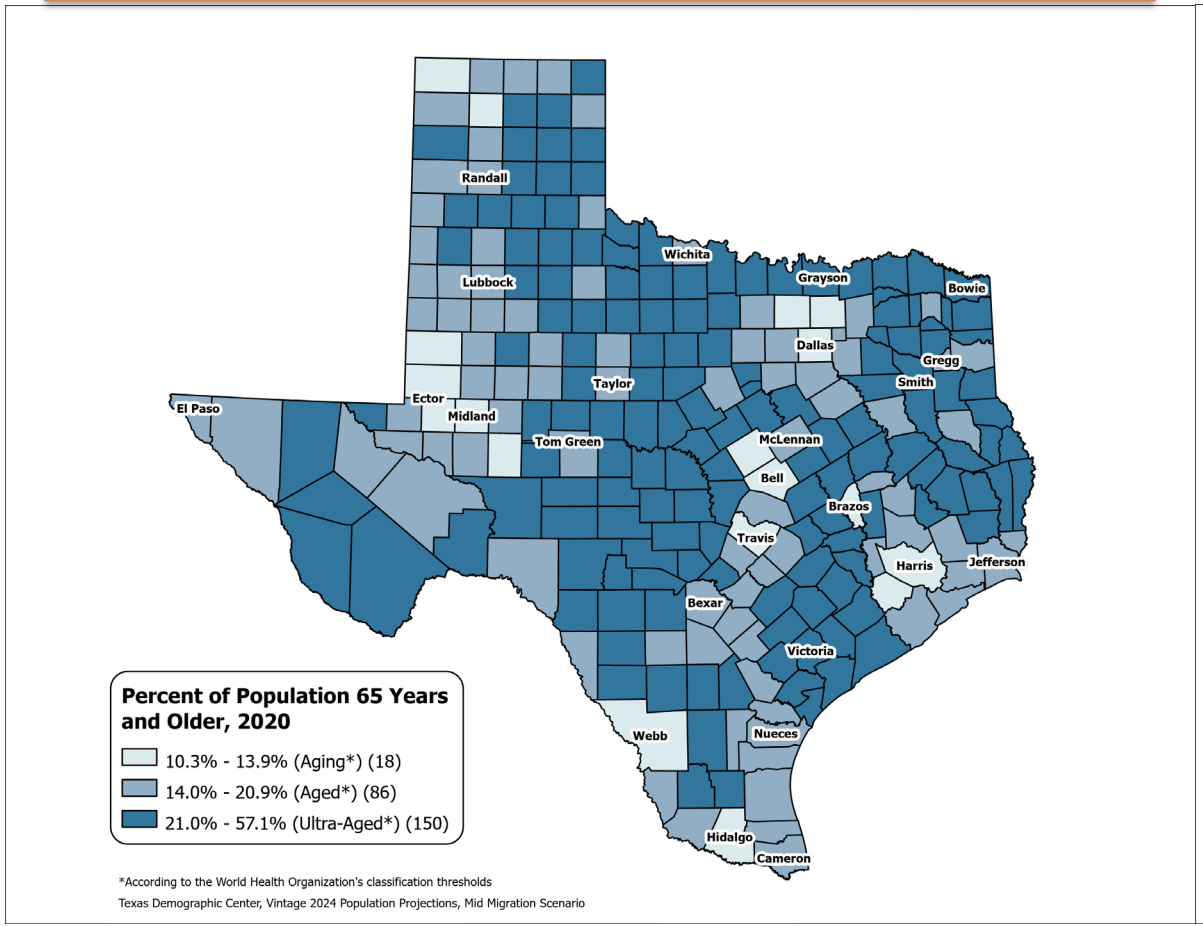
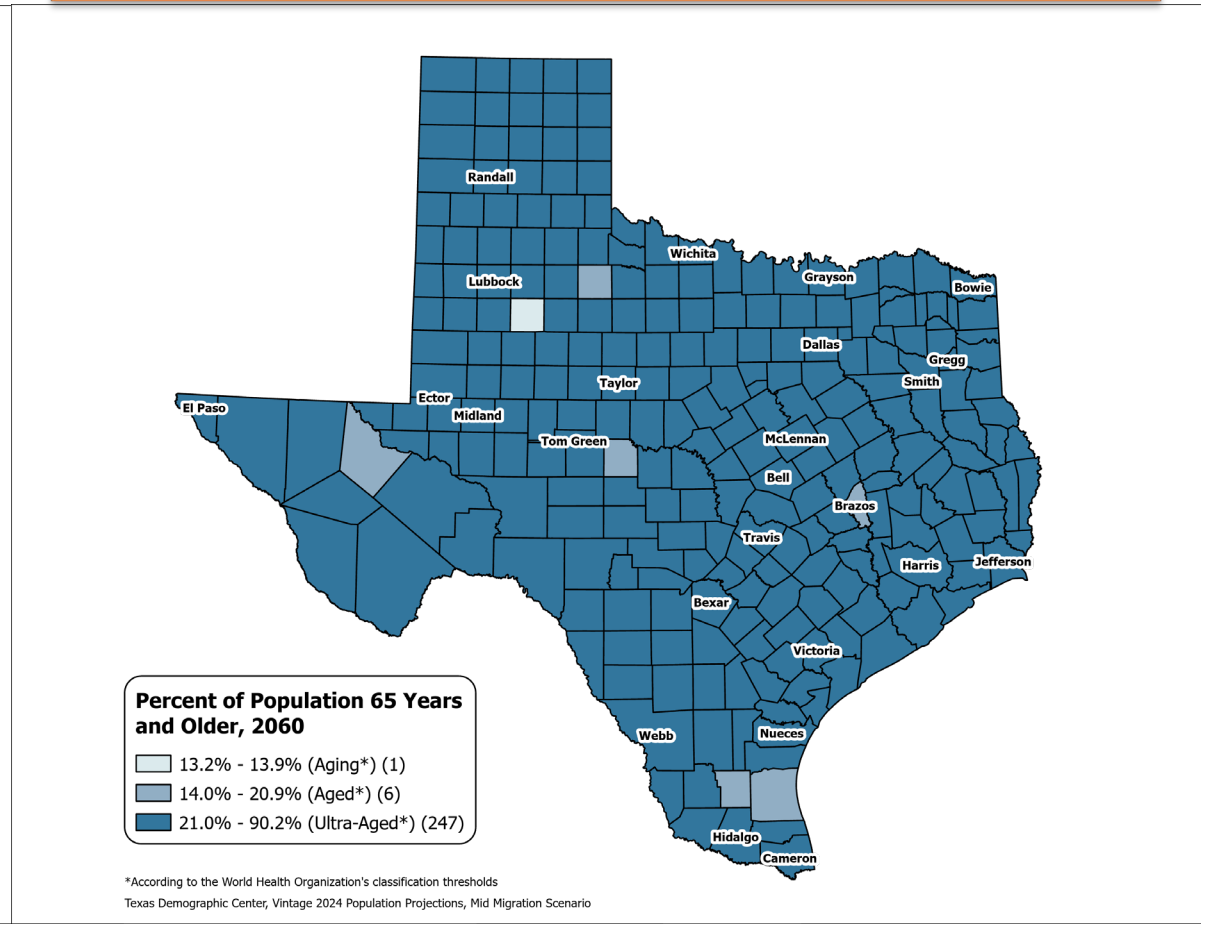
County Aging Map – Using the % of 65+ to Measure

Texas 2020: Aging (13.5%)



Texas 2060: Ultra-Aged (21.7%)



Source: Texas Demographic Center, Vintage 2024 Population Projections, Mid Migration Scenario

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Methodology for TDC Population Projections

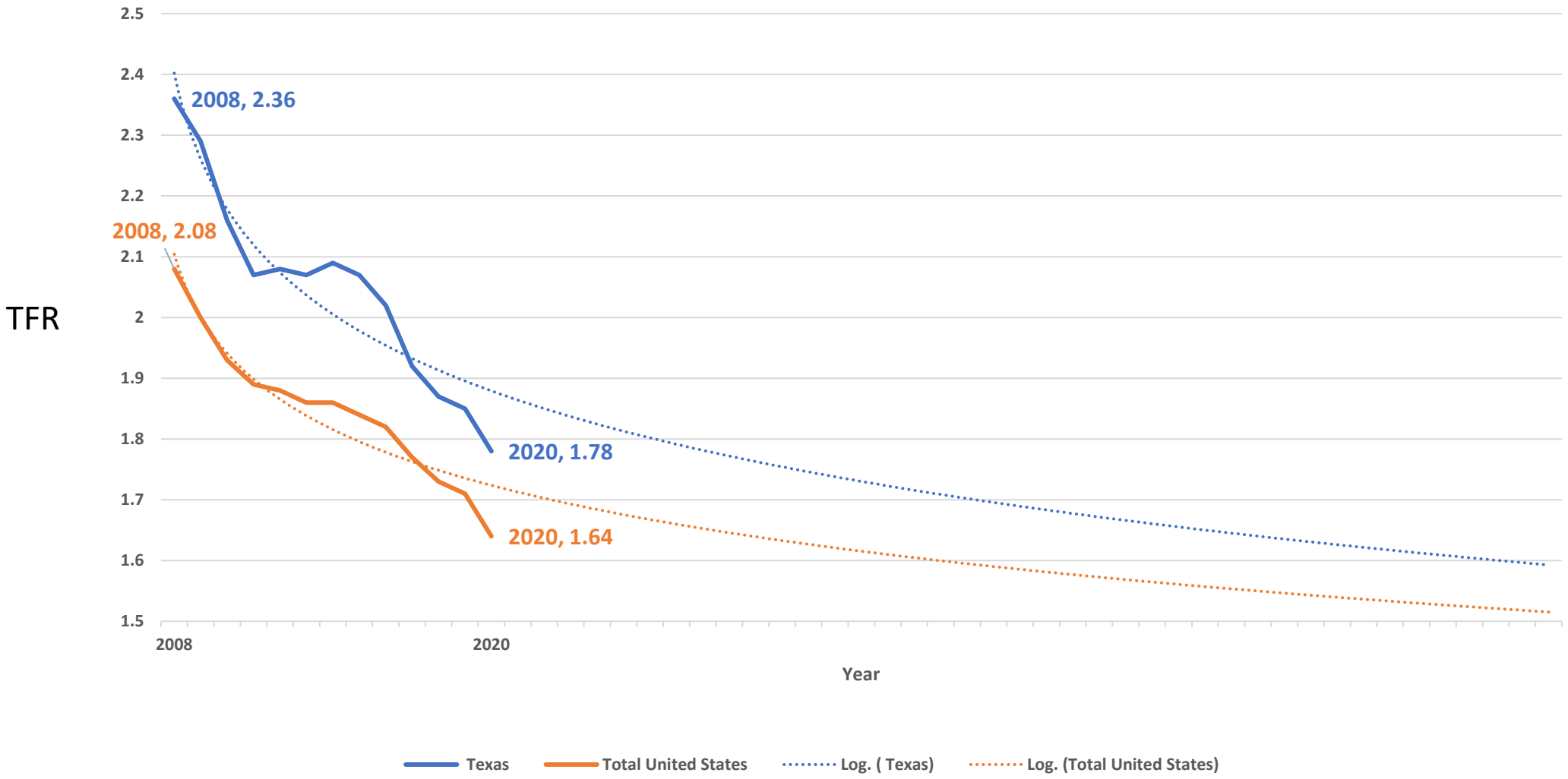
- *The Cohort Component Model*
  - Components of Change: births, deaths, migration
  - Cohort: Each cohort has its own pattern.
  - In TDC projections, each race/ethnic group has its unique model

- **Future Population** = Current Population + Population Change

Projected Births

Female Population 15-49 * Birth Rate

Total Fertility Rate Trend



Source: National Center for Health Statistics. National Vital Statistics Reports

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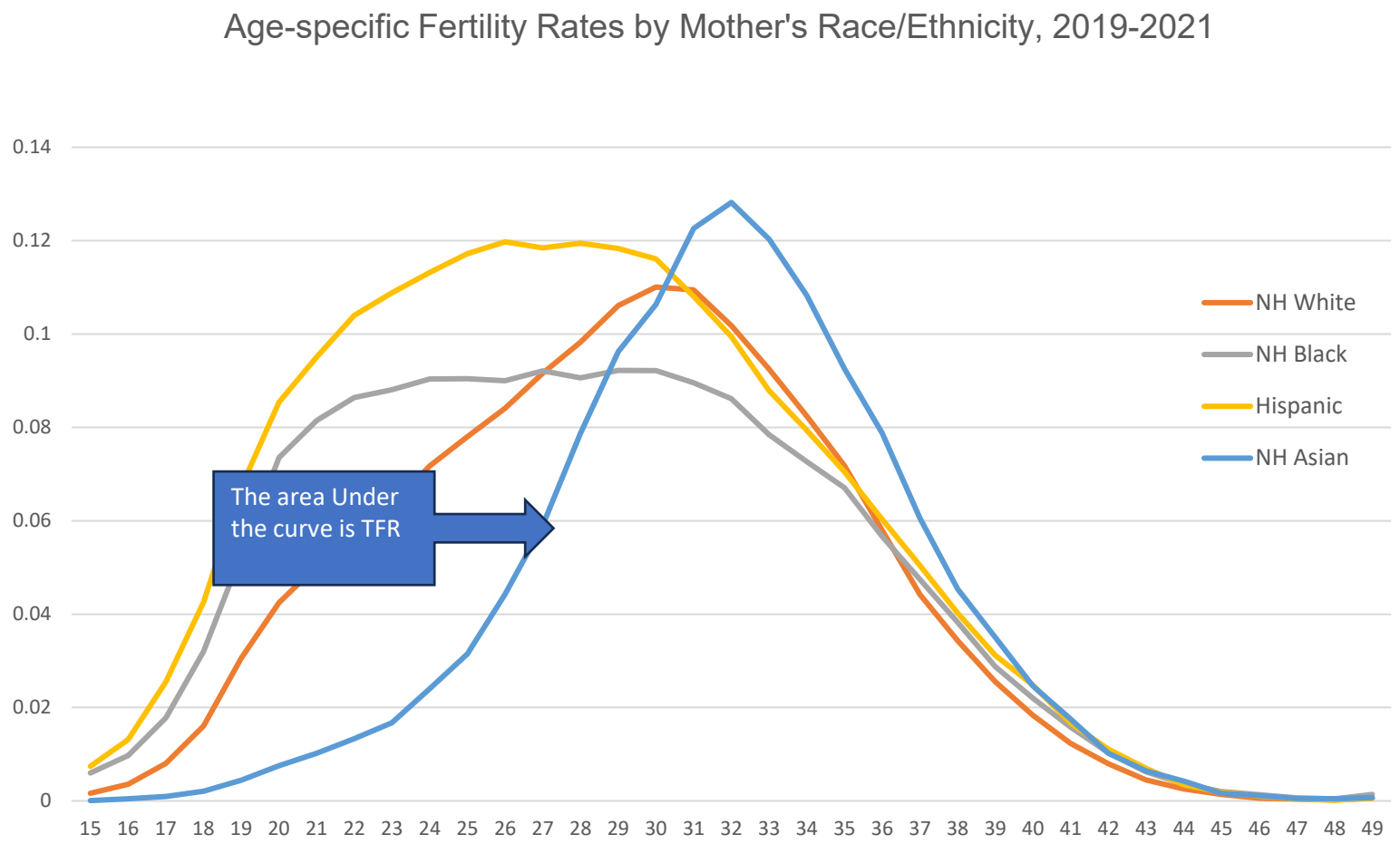
Fertility Rates Differ by Age, and Race/Ethnicity



Age Specific Fertility Rates (ASFRs)

TFR has been on the decline, ASFRs have been moving to a **delayed** pattern

Source: Texas Department of State Health Services (DSHS). Vital Statistics Birth Data; U.S Census Bureau. 2020 Decennial Census

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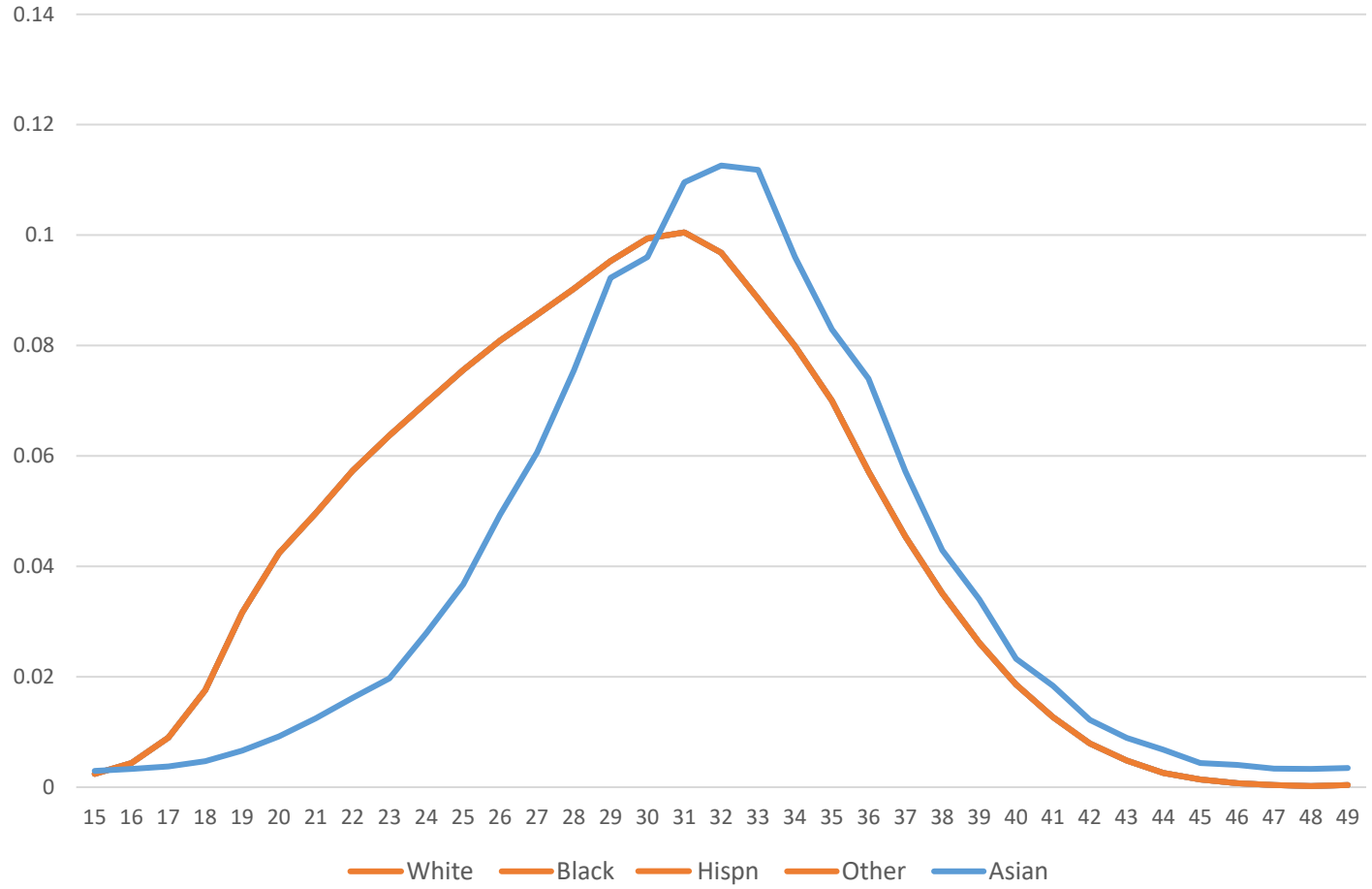
Projected ASFR in 2060 by Race/Ethnicity



TFR 2060

- Texas Asian will "converge" to the **current US NH Asian** ASFRs
- The rest of the groups will converge to the current **US NH White** ASFRs

Source: Texas Demographic Center, Vintage 2024 Population Projections

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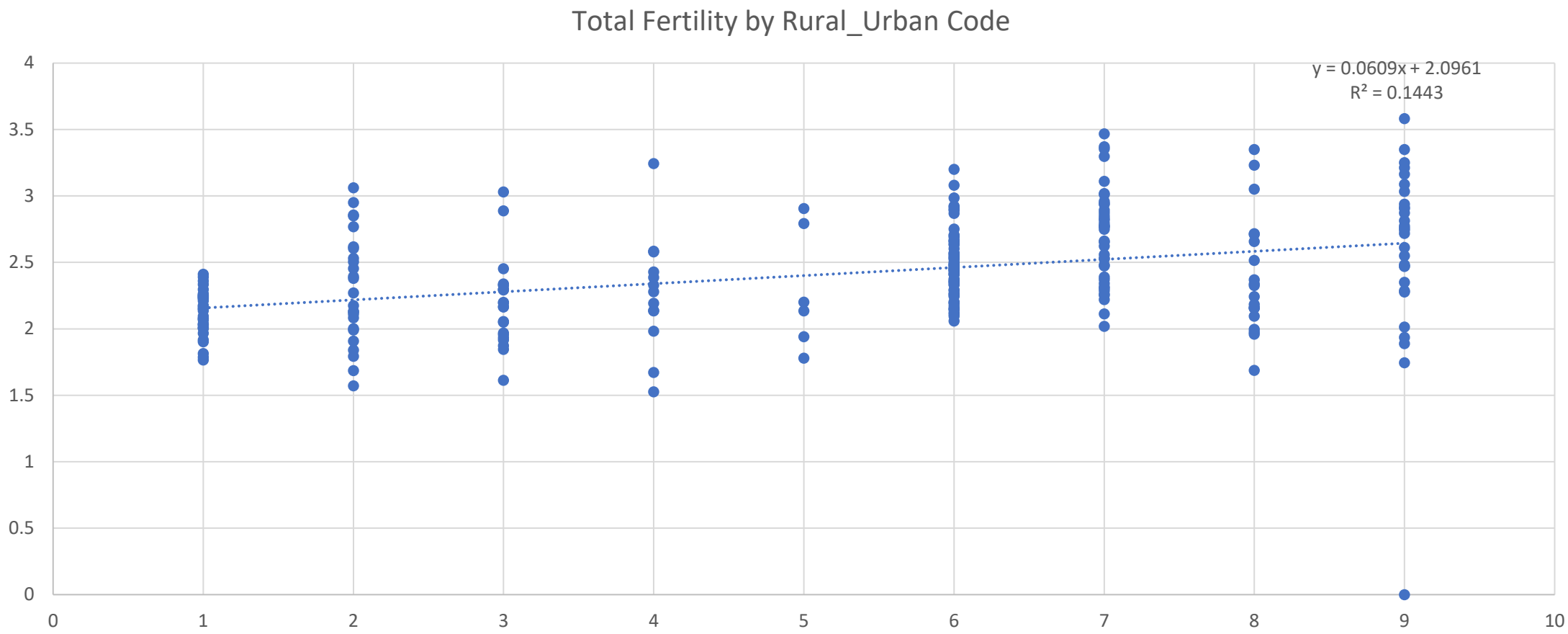
Group Counties for Fertility Projection by Rural/Urban Status



Source: Texas Demographic Center, Vintage 2024 Population Projections

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Projected Deaths

Population * Death Rates

Historical and Projected Life Expectancy for the U.S.

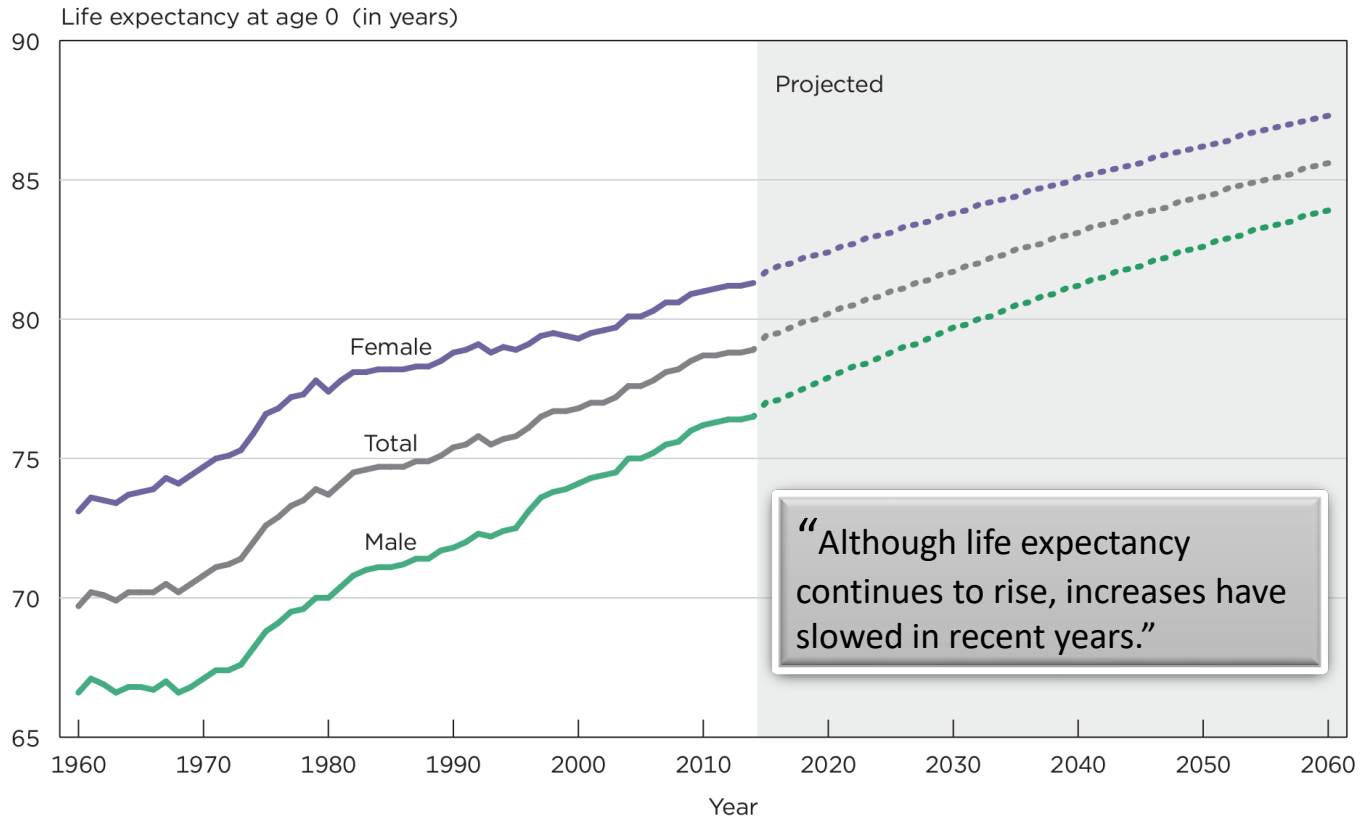
Life Expectancy at Birth 2020

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>.

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County Survival Projection

State

- Use US projected survival rates.
- Apply TX/US ratio (2021)

County

- The same as the state.

Source: Texas Demographic Center, Vintage 2024 Population Projections

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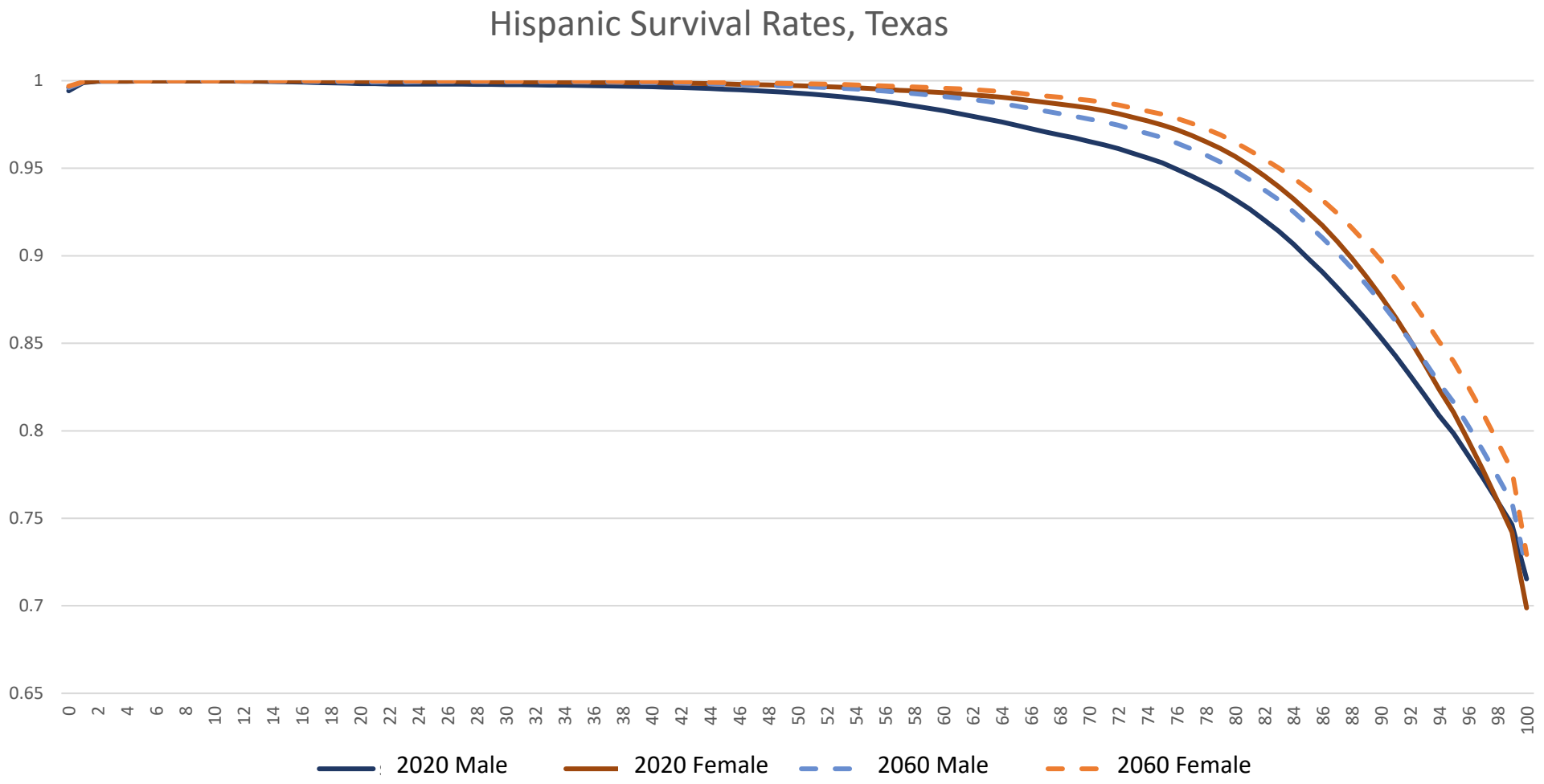
Survival Rates by Age and Sex for the Hispanic Population, 2020 and 2060



Source: Texas Demographic Center, Vintage 2024 Population Projections

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Projected Net Migrants

Net International Migration

US Net International Migrants =

World population *(region/country-specific)* * Net immigration rate to the US.

Texas Net International Migrants =

(1) US Net International Migrants * (2) Texas Share

📊 **Data**

(1) U.S. NIM from CB 2023 U.S. Population Projection

(2) ACS 2009-2019 PUMs file

Note: *The calculations are done for each race/age/sex group*

Net Domestic Migration

Texas Net Domestic Migrants =

(1) US population * (2) Net migration rate to Texas

📊 **Data**

(1) CB 2023 U.S. Population Projection

(2) ACS 2009-2019 PUMs file

Note: *The calculations are done for each race/age/sex group*

County Migration

Allocate the state migrants using the Census Bureau Vintage 2020 Population Estimates

- ❖Calculate the yearly average of the migration component of change from 2011 to 2020.
- ❖Calculate the county share of domestic and international migrants.

Source: Texas Demographic Center, Vintage 2024 Population Projections

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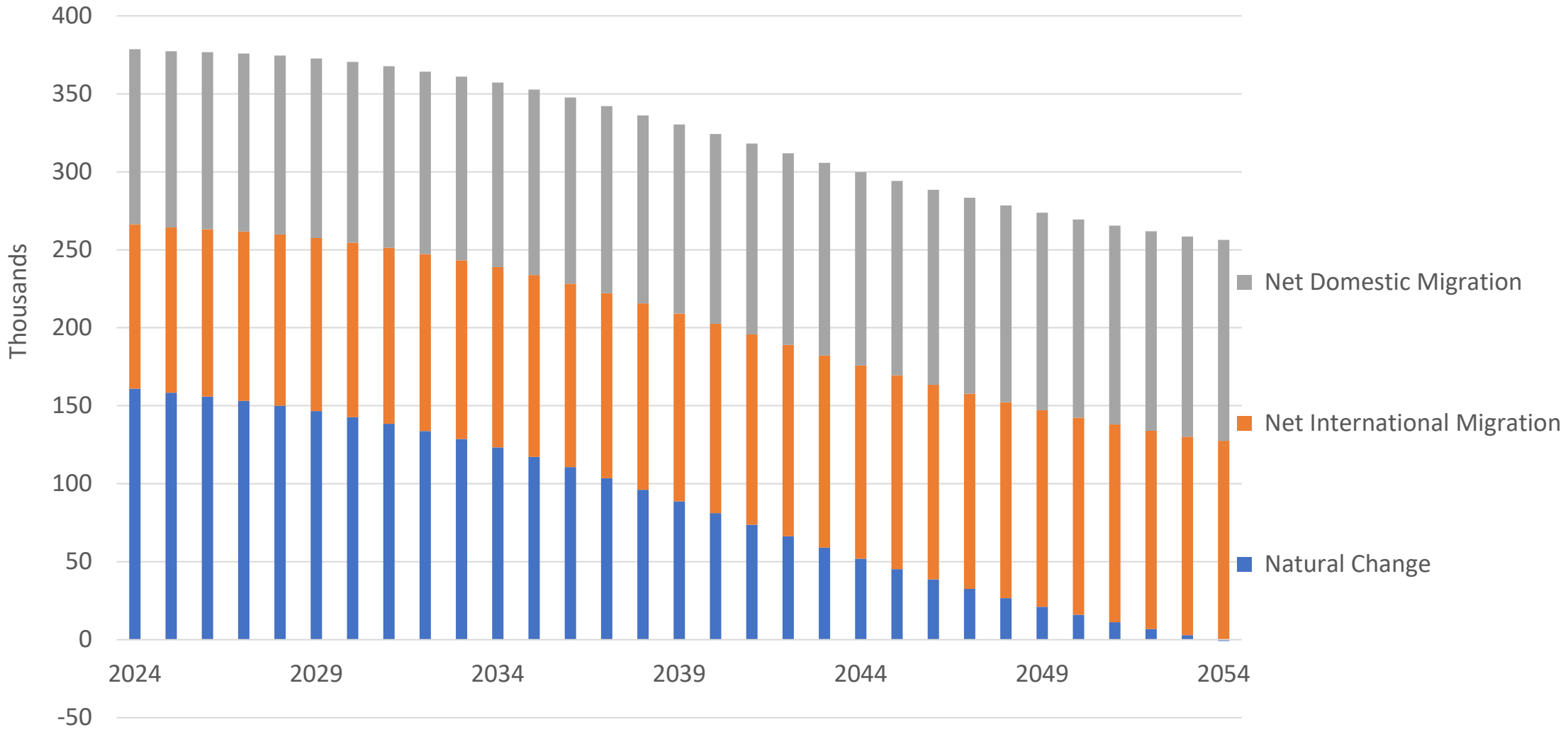
Projected Components of Change under the Mid Migration Scenario



Source: Texas Demographic Center, Vintage 2024 Population Projections

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Key Takeaways

📈 Continued Growth:

Texas will grow under all migration scenarios, but at a slower pace over time.

🚚 Migration-Driven Growth:

Declining birth rates and aging means migration will be the main source of growth by 2060.

🧬 Demographic Shifts:

Non-Hispanic White population declines
Hispanic population sees the largest growth

📍 Regional Growth Patterns:

Growth concentrated in the Texas Triangle and metro counties statewide.

👵 Aging Population:

Texas shifts from an Aging (13.5%) to an Ultra-Aged (21.7%) society
150 counties were Ultra-aged in 2020
Nearly all counties will be Ultra-aged by 2060

Source: Texas Demographic Center, Vintage 2024 Population Projections

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❓ Frequently Asked Questions

🌎 What are migration scenarios?

- Migration scenarios are assumptions about future migration patterns.
- These scenarios help model different possibilities.
- Vintage 2024 TDC projections utilize the high, medium, and low international migration scenarios from the national projections.
- For Vintage 2024, in general:

  ***High** migration scenario – **higher** population projection; **Low** migration scenario **– lower** population projection*.

📊 What's the difference between population projections and population estimates?

- Estimates are calculations of the current or past population based on data of events that have already happened.
- Projections are forecasts of future population based on assumptions about fertility, mortality, and migration.
- When both are available for the same period, use the estimates.

💼 Why don't you incorporate economic and other factors in your projections?

- We need projections of these factors, which are often not available.

Source: Texas Demographic Center, Vintage 2024 Population Projections

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Coming up

🗺️ TDC Population Projection Story Map

A dynamic blend of **narratives**, **interactive maps**, and **visualizations** that illustrate how Texas's population is expected to change over the next 40 years

🧪 "Special" Projections

These go beyond basic population numbers to explore how demographic changes affect other areas:

- 👷 **Labor Force** – Who will be working?
- 🏠 **Household** – How will living arrangements shift?
- 💰 **Income** – What might income distributions look like?
- 🧭 **Other?** – Population projections with **different development scenarios**

We would like to hear from you!!

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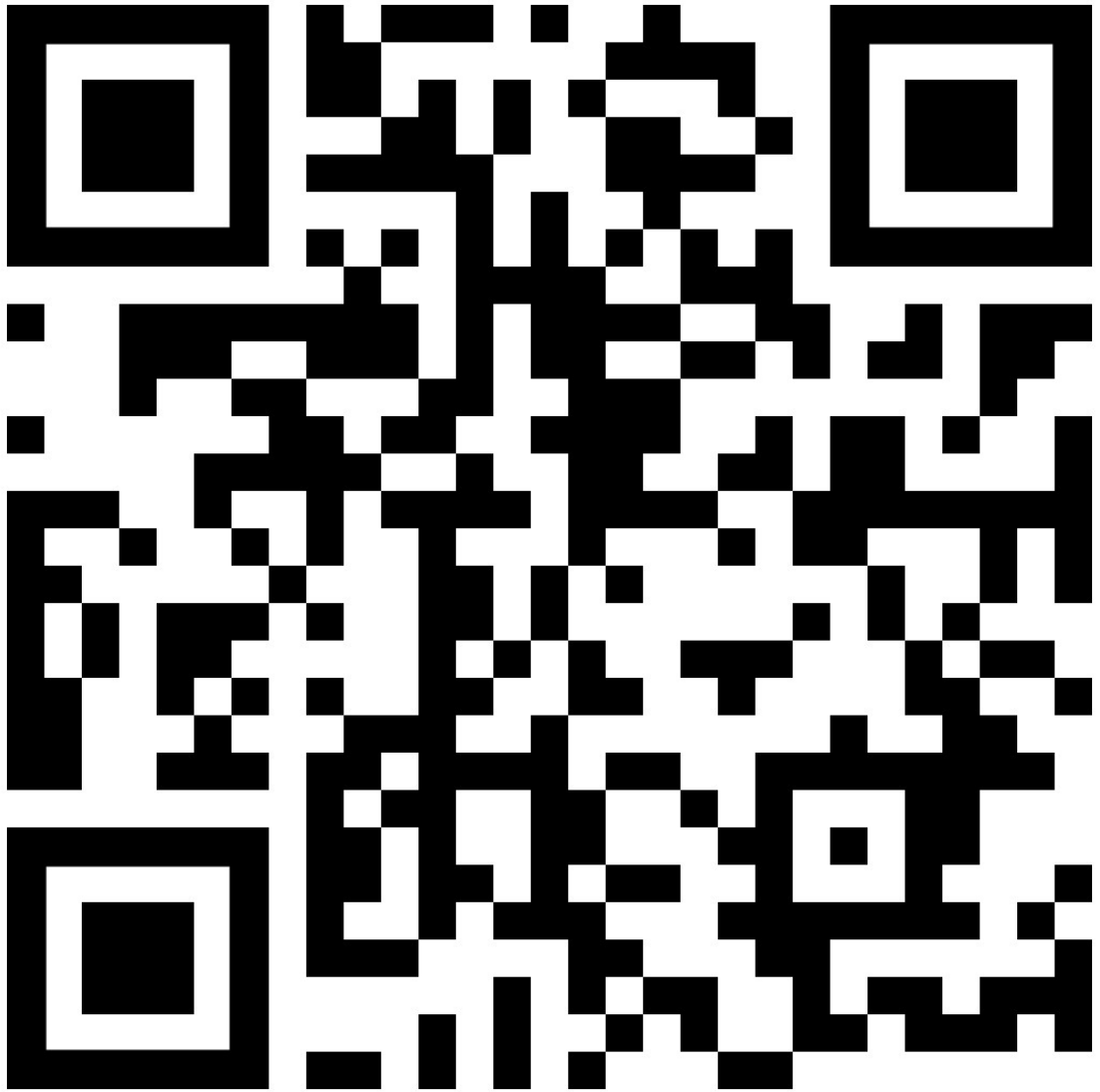
Data at Work

Connecting
People, Places, and Possibilities

Save the Date

Texas Demographic Conference

May 20-21, 2026 | Austin, TX



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