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
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

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

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
104 counties lost population over the 9 year period.
Estimated Percent Change, Texas Counties, 2010-2019

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

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Latin America</th>
<th>Asia</th>
<th>Europe</th>
<th>Africa and Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>44.1%</td>
<td>35.8%</td>
<td>7.1%</td>
<td>13.1%</td>
</tr>
<tr>
<td>2010</td>
<td>50.6%</td>
<td>33.0%</td>
<td>7.3%</td>
<td>9.1%</td>
</tr>
<tr>
<td>2005</td>
<td>69.4%</td>
<td>17.3%</td>
<td>7.8%</td>
<td>5.5%</td>
</tr>
</tbody>
</table>

Estimated number of international migrants to Texas:
- 2015: 101,588
- 2010: 77,702
- 2005: 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/](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/](https://demographics.texas.gov/Data/TPEPP/Projections/)
Texas Demographic Center Population Estimates

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

Texas Demographic Center Population Projections

Instructions & Information

- Methodology: Please carefully review the entire methodology prior to using the data.
- Area Selection: To make multiple selections within an area hold down the <CTRL> key.
- Grouping: Separate will display one row per area selected. Aggregate will display one row with selected areas aggregated.
- Your Criteria: Each year will be listed separately. You can also list years (eg. 2010-2000, 2005, 2010-2020)
- Age Criteria: Valid ages are from 0 to 95 where 95 signifies all people 95 and above. You can also define age groups (eg. 5-10,11-15,20-22,45,51), which will be aggregated.

State Level Data: Include data for entire state?

<table>
<thead>
<tr>
<th>Area Type</th>
<th>County</th>
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</thead>
<tbody>
<tr>
<td>Anson</td>
<td>Abilene</td>
</tr>
<tr>
<td>Andrews</td>
<td>Arnett</td>
</tr>
<tr>
<td>Angelina</td>
<td>Archer</td>
</tr>
<tr>
<td>Andrews</td>
<td>Anson</td>
</tr>
<tr>
<td>Archer</td>
<td>Andrews</td>
</tr>
<tr>
<td>Armstrong</td>
<td>Armstrong</td>
</tr>
<tr>
<td>Atascosa</td>
<td>Atascosa</td>
</tr>
<tr>
<td>Austin</td>
<td>Austin</td>
</tr>
<tr>
<td>Bexar</td>
<td>Bexar</td>
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<tr>
<td>Bandera</td>
<td>Bandera</td>
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<tr>
<td>Borden</td>
<td>Borden</td>
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<tr>
<td>Bexar</td>
<td>Bexar</td>
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<td>Bee</td>
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<tr>
<td>Bell</td>
<td>Bell</td>
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<tr>
<td>Brown</td>
<td>Brown</td>
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<tr>
<td>Brazoria</td>
<td>Brazoria</td>
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<tr>
<td>Brewster</td>
<td>Brewster</td>
</tr>
</tbody>
</table>

Texas Population Projections 2010 to 2050

In this Brief:
- The latest population projections include more than 40 scenarios for Texas, with a new excentric city category and an expansion of the distribution to 95 years plus.
- The newly added non-Hispanic Asian group is projected to grow at the fastest rate, reaching 6.4 million by 2050.
- The Hispanic population will likely remain the non-Hispanic white population by 2050, while not projected to make up the majority of the population.

The document provides a brief overview of the state's population projections for 2010 to 2050 using migration trends observed in Texas from 2010-2015. The scenarios represent 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, reflecting changes in the labor market and household composition. The Hispanic group is projected to be more than twice as large as in the Permian Basin area.

Projected Geographic Distribution of the Population

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

September 2019

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

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
  - [https://idserportal.utsa.edu/txdot/onestop/Default.aspx](https://idserportal.utsa.edu/txdot/onestop/Default.aspx)
Texas Demographic Center Data and Data Products

- Texas Health and Human Services Nursing Facilities
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/](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
Census Bureau Household Pulse Surveys

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

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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