



Projections of the Total Households and Households by Tenure for Texas and Counties in Texas, 2010-2050

Produced by:

The Texas Demographic Center
The University of Texas at San Antonio

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Introduction

The Projections of the Total Households and Households by Tenure for Texas is a part of the projection series of the Texas Demographic Center (TDC), each focusing on a selected household and socio-economic characteristic. These projections are intended as a means of understanding the potential impacts of population and demographic change on the State of Texas and its counties and regions. In general, the projections utilize prevalence rates from the most recent U.S. Census Bureau's American Community Survey (ACS) data which are applied to the latest vintage of TDC population projections.

Projection Methodology

In the current household projections, the 2018 5-year ACS Public Use Microdata Sample (PUMS) data are used to calculate the base rates for each of the PUMAs. For PUMAs that contain multiple counties, we assign the PUMA rates to all of the counties in the same PUMA; for counties that contain multiple PUMAs, we sum the nominators and denominators of all the PUMAs within the county to obtain the county rates. These rates were then applied to the 2019 TDC county population estimates. We also used rates and ratios specific to each age, sex and race/ethnic group. The use of county and group-specific rates takes into consideration the regional differences as well as the shifts in demographic compositions.

In order to account for group quarter population, household populations are projected by assuming the group quarter population will remain at the 2010 level for each county and is subtracted from the projected total population. The proportions of household population living in the owner households from the 2018 ACS PUMS data are then applied to the total projected household population to obtain projections of the owner-household population with the residual being the renter-household population. The last step is to calculate the ratios of householder (headship) to household population separately for the owners and the renters from the base year and to apply these ratios to the corresponding type (owner/renter) of projected household population. This is to assure that the unique demographic characteristics and different household sizes for renters and owners are accounted for.

The same steps are used to produce a separate set of household projection for the State of Texas. The county projections are then controlled to the state projections for each age, sex and race/ethnic group. Based on the review of these initial projections, we adjust the projections of selected counties considering current trends and reasonableness.

Limitations of the TDC Population Projections

The current projection method is often used in projecting long-term trends in socioeconomic characteristics to understand the implications of demographic changes on population-based service demand. It assumes current county and group-specific rates will hold constant throughout the projection period. Changes in policy, the economy, and other social and cultural factors will likely result in the changes of these rates. Like all projections, these demographically derived projections are generally more accurate for periods closer to the base time period and become less accurate the longer the period of time is from that base period. Users should take into consideration these assumptions and limitations. The TDC personnel use the most recent data to monitor the emerging trends and will update the projections periodically to reflect these trends.

Data Available from the Projections

To access the full set of projections, visit the TDC Population Projections page.

<https://demographics.texas.gov/Data/TPEPP/Projections/>

If you have any questions concerning these projections, please contact:

Helen You, Ph.D. or Lloyd Potter, Ph.D.

Texas Demographic Center
The University of Texas at San Antonio
501 W. César E. Chávez Blvd.
San Antonio, Texas 78207-4415

Ph: 210-458-6530

Fx: 210-458-6540

tdc@utsa.edu

<http://demographics.texas.gov>