



Projections of the Civilian Labor Force by Race/Ethnicity and Sex for  
Texas and the Counties in Texas, 2010-2050

Produced by:

The Texas Demographic Center  
The University of Texas at San Antonio

April 2021

## Introduction

---

The Projections of the Civilian Labor Force by Race/Ethnicity and Sex 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 civilian labor force projections, the 2018 5-year ACS Public Use Microdata Sample (PUMS) data are used to calculate the base rates for each of the PUMAs. The number of people in the civilian labor force, both employed and unemployed, are divided by the total population to obtain the rates. 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 are then applied to the 2018 TDC county population projections. We also use 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 our projections, both the population and the civilian labor force are counted based on the person's county of residence, regardless of the place of employment. Therefore, our projections differ from other workforce projections based upon employment location.

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>