Career Connect Texas Dashboard v1.5

Footnotes

August 2023

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Table of Contents

Key Abbreviations & Definitions

Texas Agencies

Texas Workforce Commission (TWC)

> Texas Workforce Commission (TWC) is the state agency charged with overseeing and providing workforce development services to employers and job seekers of Texas. TWC strengthens the Texas economy by providing the workforce development component of the Governor's economic development strategy.

Texas Education Agency (TEA)

> The Texas Education Agency (TEA) is the state agency that oversees primary and secondary public education. It is headed by the commissioner of education. The Texas Education Agency improves outcomes for all public school students in the state by providing leadership, guidance, and support to school systems.

The Higher Education Coordinating Board (THECB)

> The mission of the Texas Higher Education Coordinating Board (THECB) is to provide leadership and coordination for Texas higher education and to promote access, affordability, quality, success, and cost efficiency through 60x30TX, resulting in a globally competitive workforce that positions Texas as an international leader. THECB was created by the Texas Legislature in 1965 to represent the highest authority in the state in matters of public higher education.

Demand Data

North American Industry Classification System (NAICS)

> The North American Industry Classification System (NAICS) is the standard used by Federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy.

Standard Occupational Classification (SOC)

> The 2018 Standard Occupational Classification (SOC) system is a federal statistical standard used by federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. All workers are classified into one of 867 detailed occupations according to their occupational definition.

Living Wage

> Living Wage is an alternative measure of basic needs. It is a market-based approach that draws upon geographically specific expenditure data related to a family's likely minimum food, childcare, health insurance, housing, transportation, cell phone and

broad band service, funds for civic engagement, and other necessities (e.g., clothing, personal care items, etc.) costs. (Source: MIT)

Workforce Development Area (WDA)

A Workforce Development Board (WDA) is a group of community leaders appointed by local elected officials (County Judges and City Mayors) and charged with planning and oversight responsibilities for workforce programs and services in their area. In Texas, twenty-eight WDAs operate over 180 Local Workforce Solutions offices. The majority of each WDA is represented by members of the local business community. In all, WDA membership includes individuals representing business and industry, economic development agencies, community-based organizations, education, organized labor, public assistance agencies and more.

Supply Data

Classification of Instructional Programs (CIP)

The Classification of Instructional Programs (CIP) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity.

Overview

North Star Data

TOTAL POPULATION (2020)

Source: Decennial Census 2020 P2 | Race

- The Decennial Census (DCS) provides the official counts of the population for Texas, all 254 counties, and 25 Metropolitan Statistical Areas. Only total population data was used from this dataset. The statewide population is displayed when displaying Workforce Development Area (WDA) data.

UNEMPLOYMENT RATE (2022)

Source: Texas Labor Market Information Local Area Unemployment Statistics (LAUS)

- Unemployment rate was retrieved from Texas Labor Market Information's Local Area Unemployment Statistics (LAUS). Data includes the geographical areas of Texas, Workforce Development Area (WDA), County, and Metropolitan Statistical Area.
- The data shown represents the average annual unemployment rate for 2022. In future versions of this dashboard, when an API is available, it would be ideal to make this a monthly data snapshot of unemployment rate since updated data is released monthly.

CIVILIAN LABOR PARTICIPATION (2022)

Source: Texas Labor Market Information Local Area Unemployment Statistics (LAUS)

- Civilian Labor Participation was retrieved from Texas Labor Market Information's Local Area Unemployment Statistics (LAUS). Data includes the geographical areas of Texas, Workforce Development Area (WDA), County, and Metropolitan Statistical Area.
- In future versions of this dashboard, when an API is available, it would be ideal to make this a monthly data snapshot of unemployment rate since updated data is released monthly.

LIVING WAGE (2023)

Source: MIT Living Wage Calculator Data for Texas and Metropolitan Statistical Area

- Family sustaining wage came from MIT's Living Wage Calculator. Data was retrieved via consultation and subscription, which includes all family compositions.
- Family sustaining wage was not available by Workforce Development Area (WDA). Statewide data is displayed with WDA data.

POPULATION 25 YEARS OR OLDER (2021)

Source: Census American Community Survey 2021 5-year Estimates S1501 | Educational Attainment

- The American Community Survey (ACS) is an ongoing survey that provides data annually. The ACS 5-year estimates represent estimated data collected over a period of time. The primary advantage of using the ACS 5-year is that it provides increased statistical data reliability for less populated areas and small population subgroups.

ASSOCIATE DEGREE HOLDERS 25 YEARS OR OLDER (2021)

Source: [Census American Community Survey 2021 5-year Estimates S1501 | Educational Attainment](#)

- The American Community Survey (ACS) is an ongoing survey that provides data annually. The ACS 5-year estimates represent estimated data collected over a period of time. The primary advantage of using the ACS 5-year is that it provides increased statistical data reliability for less populated areas and small population subgroups.

BACHELOR'S DEGREE HOLDERS 25 YEARS OR OLDER (2021)

Source: [Census American Community Survey 2021 5-year Estimates S1501 | Educational Attainment](#)

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Texas Labor Demand

INDUSTRY EMPLOYMENT (2022)

Source: [Texas Labor Market Information Quarterly Census of Employment and Wages (QCEW)](#)

- Industry employment was retrieved from Texas Labor Market Information's Quarterly Census of Employment and Wages (QCEW). Data includes the geographical areas of Texas, Workforce Development Area (WDA), County, and Metropolitan Statistical Area. Industry data (NAICS) was retrieved by 2-digit NAICS code.
- The dashboard shows an annual average employment by industry. Data is available by quarter but the release data for each reference period has a 4–5-month lag. Future versions of this dashboard could include quarterly industry employment updates.
  - In order to show annual industry employment, we calculated an average across each industry for each geographic area. This required having four quarters of data to analyze.

Texas Labor Supply

2-YEAR ENROLLMENT BY PROGRAM (2022)

Source: [Texas High Education Coordinating Board Accountability System](#)

- User can toggle between Community College Campus and District data. For some years, individual college campus data is not available and is only available at the district level.
- Data is updated annually and disaggregated by program (CIP).
- Data on enrollment for a Bachelor's or 4-year degree were not included in the current dashboard, but will be added in a future version.

Labor Demand by Industry

North Star Data

TOTAL POPULATION (2020)

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CIVILIAN LABOR PARTICIPATION (2022)

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LIVING WAGE DATA

Source: MIT Living Wage Calculator Data

- Family sustaining wage came from MIT's Living Wage Calculator. Data was retrieved via consultation and subscription, which includes all family compositions.
- Family sustaining wage was not available by Workforce Development Area (WDA). Statewide data is displayed with WDA data.
- Percent of living wage is calculated by dividing the average annual wage by the living wage for the location and family composition selected.

CURRENT EMPLOYMENT BY INDUSTRY

Source: Texas Labor Market Information Quarterly Census of Employment and Wages (QCEW)

- Industry employment was retrieved from Texas Labor Market Information's Quarterly Census of Employment and Wages (QCEW). Data includes the geographical areas of Texas, Workforce Development Area (WDA), County, and Metropolitan Statistical Area. Industry data (NAICS) was retrieved by 2-digit NAICS code.

- The dashboard shows an annual average employment by industry. Data is available by quarter but the release data for each reference period has a 4–5-month lag. Future versions of this dashboard could include quarterly industry employment updates.
  - In order to show annual industry employment, we calculated an average across each industry for each geographic area. This required having four quarters of data to analyze.
  - All blank cells were left blank.

PROJECTED EMPLOYMENT BY INDUSTRY
Source: Texas Labor Market Information Occupational Employment & Wage Statistics (OEWS)
- Projected industry employment was retrieved from Texas Labor Market Information's Projections. Data is only available for the geographical areas of Texas and Workforce Development Area (WDA).
- Industry data (NAICS) was retrieved by 2-digit NAICS code and filtered by All Occupations (SOC 00-0000). This allows the data to be searched at the industry level only.
- This data is updated every two years and includes 10-year projected trends by industry employment. Wage data is not included.

Labor Demand by Occupation

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TOTAL POPULATION (2020)
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- Family sustaining wage was not available by Workforce Development Area (WDA). Statewide data is displayed with WDA data.
- Percent of living wage is calculated by dividing the average annual wage by the living wage for the location and family composition selected.

CURRENT EMPLOYMENT BY OCCUPATION (2021)
Source: Texas Labor Market Information Occupational Employment & Wage Statistics (OEWS)
- Occupation data was retrieved the Texas Labor Market Information website which is maintained by the Texas Workforce Commission. Detailed occupation information is available at the statewide level, Metro (MSA), and Workforce Development Area (WDA). It is not available by County. This data is updated annually. There is no demographic data (sex, race/ethnicity, age) available with this dataset nor could we find anything readily available.
- Occupation data (SOC) was retrieved by 6-digit SOC code. This includes major (2-digit SOC), broad (4-digit SOC), and detailed (6-digit SOC) occupation types.
  - For the purposes of this dashboard, major and detailed occupations were used with major occupation titles removed from the visualization. This method reduces duplication and provides an actionable level of detail.
  - Occupations are organized by major occupational categories (2-digit SOC) with detailed occupations (6-digit SOC) nested within
  - All blank cells were left blank.

Talent Supply by Post-Secondary Enrollment

North Star Data
TOTAL POPULATION (2020)
Source: Decennial Census 2020 P2 | Race
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POPULATION 25 YEARS OR OLDER (2021)
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time. The primary advantage of using the ACS 5-year is that it provides increased statistical data reliability for less populated areas and small population subgroups.

ASSOCIATE DEGREE HOLDERS 25 YEARS OR OLDER (2021)
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Texas Talent Supply by Post-Secondary Enrollment
ENROLLMENT BY PROGRAM AND ANNUAL TRENDS
Sources: Texas High Education Coordinating Board Accountability System

- User can toggle between Community College Campus and District data. For some years, individual college campus data is not available and is only available at the district level.
- Data is updated annually and disaggregated by program (CIP).
- Data on enrollment for a Bachelor's or 4-year degree were not included in the current dashboard, but will be added in a future version.

Talent Supply by Post-Secondary Completion

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Source: Decennial Census 2020 P2 | Race

- The Decennial Census (DCS) provides the official counts of the population for Texas, all 254 counties, and 25 Metropolitan Statistical Areas.

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Source: Census American Community Survey 2021 5-year Estimates S1501 | Educational Attainment

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Texas Talent Supply by Post-Secondary Completion

DEGREE & CERTIFICATE COMPLETIONS BY PROJECT & ANNUAL TRENDS

Sources: Texas High Education Coordinating Board Accountability System

- User can toggle between Community College Campus and District data. For some years, individual college campus data is not available and is only available at the district level.
- Data is updated annually and disaggregated by program (CIP).
- Data on completion for a Bachelor's or 4-year degree were not included in the current dashboard, but will be added in a future version.

Texas Talent Supply by High School

North Star Data

TOTAL POPULATION (2020)

Source: Decennial Census 2020 P2 | Race

K-12 ENROLLMENT (2021)

Source: Census American Community Survey 2021 5-year Estimates S1401 | Educational Enrollment

- The American Community Survey (ACS) is an ongoing survey that provides data annually. The ACS 5-year estimates represent estimated data collected over a period of time. The primary advantage of using the ACS 5-year is that it provides increased statistical data reliability for less populated areas and small population subgroups.

9-12 ENROLLMENT (2021)
Source: Census American Community Survey 2021 5-year Estimates S1401 | Educational Enrollment

- The American Community Survey (ACS) is an ongoing survey that provides data annually. The ACS 5-year estimates represent estimated data collected over a period of time. The primary advantage of using the ACS 5-year is that it provides increased statistical data reliability for less populated areas and small population subgroups.

Texas Talent Supply by High School

STATEWIDE ENROLLMENT OF CTE CONCENTRATORS
Source: Perkins V Enrollment Data

- Perkins V provides annual data on CTE concentrators, which refers to a secondary student who has earned three (3) or more credits in a single CTE program area, or two (2) credits in a single CTE program area, but only in those program areas where 2 credit sequences at the secondary level are recognized by the State and/or its local eligible recipients. Students who earned two or more credits within a single program of study.
- Perkins data also provides statewide enrollment data disaggregated by race/ethnicity and gender, and student special interest populations.
- Data reported as "n/a" were coded as zero.
- CTE concentrator data is disaggregated by Federal Career Cluster, which is different from the Texas Career Clusters.
- CTE concentrator completion data is not currently available.

Texas Talent Supply by High School: P-TECH School Directory

TEXAS COUNTIES WITH P-TECH SCHOOLS
Source: Texas Education Agency (TEA)

- Data was provided to Educate Texas from TEA and was not retrieved from a public data source.