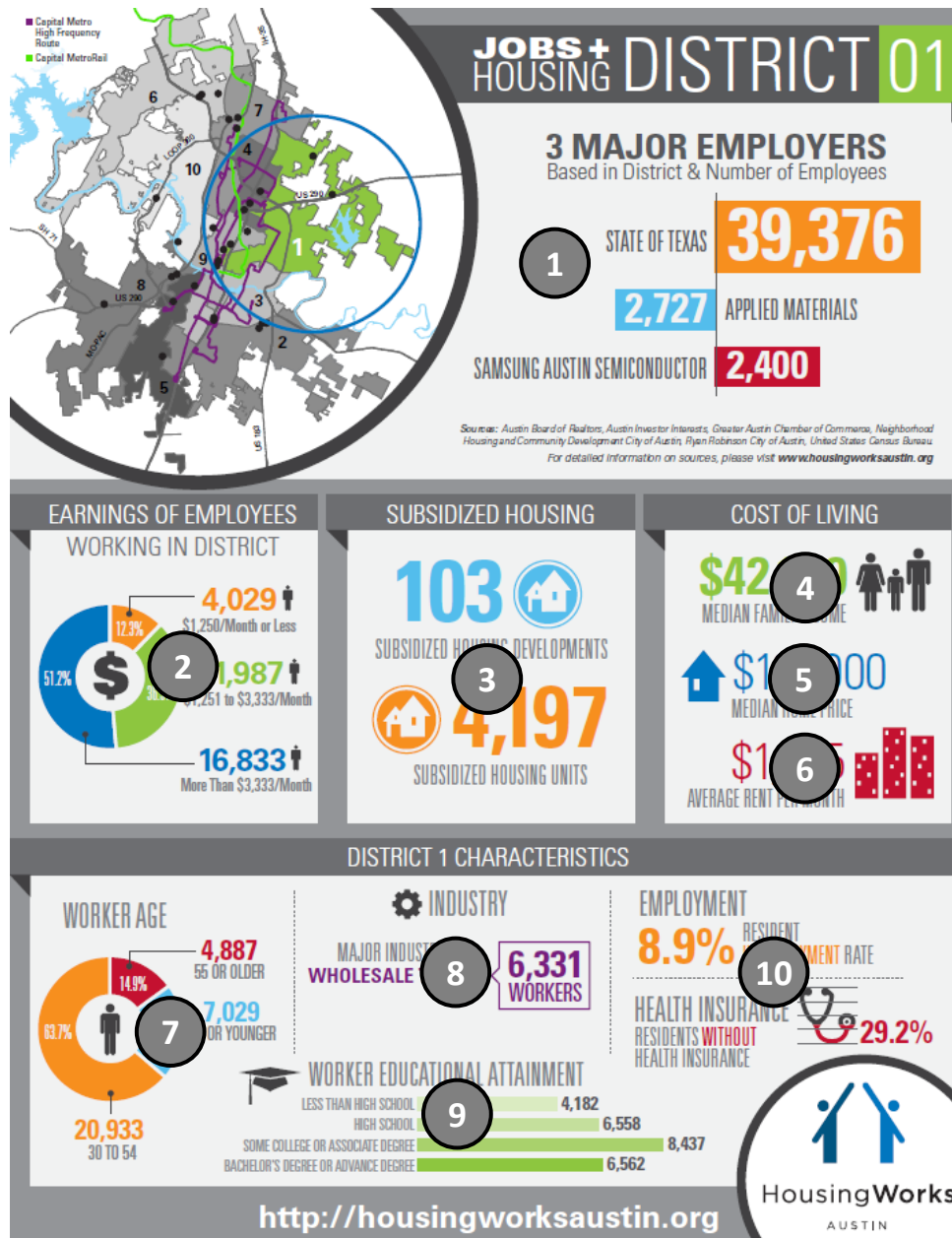


HousingWorks Jobs + Housing District Analyses Sources and Methodology

Sources



The district analyses are based on a variety of sources and these are mentioned on each district analysis sheet. The numbers below correspond with the numbers marked on the sheet for reference.

- Source 1: The Greater Austin Chamber of Commerce, 2015. District Analysis based on methodology 3.ⁱ
- Source 2: Longitudinal Employer-Household Dynamics Origin-Destination Employment Statistics, 2013. District Analysis based on methodology 1.

- Source 3: Neighborhood Housing and Community Development City of Austin (NHCD), 2015. District Analysis based on methodology 3.
- Source 4: Ryan Robinson City of Austin, 2013 5-Year ACS. Data available at City Council District Level.
- Source 5: Austin Board of Realtors (ABOR), Q1 & Q2 2015. District Analysis based on methodology 2.
- Source 6: Austin Investor Interests, Q2 2015. District Analysis based on methodology 2. District Analysis based on methodology 2.
- Source 7: Longitudinal Employer-Household Dynamics Origin-Destination Employment Statistics, 2013. District Analysis based on methodology 1.
- Source 8: Longitudinal Employer-Household Dynamics Origin-Destination Employment Statistics, 2013. District Analysis based on methodology 1.
- Source 9: Longitudinal Employer-Household Dynamics Origin-Destination Employment Statistics, 2013. District Analysis based on methodology 1.
- Source 10: Ryan Robinson City of Austin, 2013 5-Year ACS. Data available at City Council District Level.

Methodology

The district analyses use a number of resources and different geographical scales. Furthermore, this data is analyzed in the context of the boundaries of the City of Austin Council Districts. This has led to three separate approaches based on geographic scale of source data:

1. Census tract data: Data available at the census tract level is analyzed based on a methodology developed after conversation with the City of Austin demographic staff. Census tracts are divided according to their overlap with the Austin City Council District boundaries. Tracts that overlap between two council districts are attributed to one council district based on the overlap area and the existing land use type. Once all the tracts have been linked to a council district, the corresponding data is calculated for that district. For average values such as median rent and home price, the data is weighed for each census tract based on its total population using Microsoft Excel.
2. Zip code data: Data available at the zip code level is analyzed using the Zonal Statistics as Table tool in the Spatial Analyst toolbox of the ArcGIS software. This requires converting vector source data into the raster format and then using the tool to summarize the values of the raster based on the zones of another dataset (Austin City Council District boundaries in this case). The results from the generated table then provide a value at the district level.
3. Point Data: data associated with distinct addresses, such as the data provided by NHCD, is simply linked to Austin City Council District boundaries by its overlap.

Limitations

- American Community Survey (ACS) is based on sampling and thus the data from ACS involves a margin of error. This margin of error varies for 1-year, 3-year, and 5-year data, with decreasing levels of margin of error.

- Considering the varied sources, different geographical scales, and multiple methodologies it is important to understand that the data for each district is best evaluated comparatively and not referenced as absolute numbers.

ⁱ See methodology section for reference