

# The Impact of COVID-19 on Austin Businesses: Background Information about Economic Activity in the Region 

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# Impact of COVID-19 in the Austin Region Background Information on Economic Activity in the Region 

Businesses in Austin have experienced a sharp decline in economic activity due to the COVID-19 pandemic and the ensuing stay-home orders enacted by the City of Austin and the Government of Texas. The University of Houston's Hobby School of Public Affairs conducted an on-line survey of Austin area businesses at the request of the City of Austin and the Austin Chamber of Commerce. The survey sought to better understand the impact of the COVID-19 Pandemic and concomitant shutdowns on the businesses. The main report presents the results from the 1,050 Austin area business owners who completed the survey between June 11 and June 25. This ancillary report presents the most recent data from the U.S. Census Bureau and other sources describing economic and business conditions in Austin at the time of the survey.

## Impact on Small Businesses in Austin

The impact has been the hardest among small and medium businesses. Results from the seventh wave of the US Census Bureau's Small Business Pulse Survey conducted around the time when the Hobby School survey was in the field show that $83 \%$ of small businesses in the Austin Metropolitan Statistical Area (MSA) have suffered a large or moderate negative effect on their business activities due to COVID-19 (Figure 1).

Figure 1: Impact of COVID-19 on Austin Businesses


Source: Small Business Pulse Survey (BPS), Wave 7, US Census Bureau (BPS)
Question 1: Overall, how has this business been affected by the COVID-19 pandemic?

In contrast, less than $15 \%$ responded that the impact is little or no effect, while slightly less than $3 \%$ expressed that the pandemic has a positive impact on their businesses.

As reflected in Figure 2 (and Table A1 in the Appendix), the sectors experiencing the largest negative impact are manufacturing; accommodation and food services; health services; professional services; construction; and retail trade, except for food, groceries and cleaning goods. Table A2 in the Appendix shows that these sectors also experienced the largest numbers of unemployment claims in Texas. Labor market conditions in Travis County and the Austin region are discussed in Section 3.

Figure 2: Impact of COVID-19 on Austin MSA Small Businesses (Selected Sectors)


Source: Small Business Pulse Survey (BPS), Wave 7, US Census Bureau (BPS)
Question 1: Overall, how has this business been affected by the COVID-19 pandemic?

It should be noted the analysis from the Hobby School survey show that Austinbased businesses are facing important financial constraints, which will likely hinder economic recovery in the region. Businesses have experienced sharp drops in revenue yet they still need access to capital to cover their outstanding costs, expenditures and other financial liabilities to remain in business. At present, most
small firms report having limited access to cash to defray those costs (see Figure 3).

Figure 3: Financial Constraints Faced by Small Businesses in Austin MSA


Source: Small Business Pulse Survey (BPS), Wave 7, US Census Bureau (BPS)
Question 10: How would you describe the current availability of cash on hand for this business, including any financial assistance or loans? Currently, cash on hand will cover...

By mid-June there were signs of recovery compared to the April figures, but due to higher contagion rates and uncertainty about the ability to contain the spread of COVID-19, at the time the Hobby School survey was in the field aggregate sales, business revenue, and employment income have stabilized at a lower activity level when contrasted with pre-COVID-19 levels.

Chetty, et al. (2020) calculate the change in small business daily revenue in the Austin MSA relative to January 2020. The blue line in Figure 4 represents the change in small business revenue in all sectors for which data is available. The red line describes the change in small business revenue in the Leisure and Hospitality sector, the most-affected industry in the Austin area. The authors found that the small business revenue dropped substantially after President Trump and Governor Abbott declared National Emergency and State of Disaster in Texas, respectively, on March 13, and hit to the lowest level, on average, after Texas imposed the
stay-at-home order on March 31, 2020. According to estimates by Chetty et al. 2020, overall revenue in the Austin area bottomed out from a low level of $-50 \%$ in the second week of April when contrasted to January 2020. ${ }^{1}$ Yet in comparison to January, overall business revenue remained $26.5 \%$ lower in the second week of June.

Figure 4: Change in Small Business Revenue in Austin MSA relative to January 2020


Source: Chetty, Raj, John N. Friedman, Nathaniel Hendren, Michael Stepner, and the Opportunity Insights Team. 2020. How Did COVID-19 and Stabilization Policies Affect Spending and Employment? A New Real-Time Economic Tracker Based on Private Sector Data from tracktherecovery.com [Accessed June 25, 2020]

As discussed above the most-impacted industry during the pandemic is Leisure and Hospitality. The industry recorded a negative change in revenue even before March 13 when the federal and the State of Texas decreed the National Emergency

[^0]and State of Disaster respectively. The largest record change was about $-78 \%$ on April 8. The industry is experiencing the slowest recovery in comparison to other sectors. As of June 18, 2020, the sectoral revenue was still $47 \%$ below the January 2020 level. Table A3 in the Appendix presents the percentage change in small business revenue relative to January 2020 in the Austin MSA for other sectors or industries.

Figure 5: Change in Average Consumer Spending in Austin MSA relative to January 2020


Source: Chetty, Raj, John N. Friedman, Nathaniel Hendren, Michael Stepner, and the Opportunity Insights Team. 2020.
How Did COVID-19 and Stabilization Policies Affect Spending and Employment? A New Real-Time Economic Tracker Based on Private Sector Data from tracktherecovery.com [Accessed June 25, 2020]

Changes in business revenue are directly related to changes in consumer spending. Figure 5 illustrates the percentage change in average consumer spending in Austin MSA relative to January 2020. The blue line represents the change in average consumer spending for all merchants, whereas the red and green lines depict the
sectors of "Accommodation and Food" and "Arts and Entertainment", respectively. After the declarations of the National Emergency and the State of Disaster, consumer spending fell dramatically. It remained low after the stay-at-home order was imposed. The largest percentage change in consumer spending in all sectors was about 30\% on March 31, 2020, compared to January 2020. However, as of June 18, the situation was much improved and almost returned to the pre-pandemic level. The average consumer spending was $3 \%$ below the level in January 2020.

The drop in spending was stronger in some specific sectors. For example, consumer spending dropped more than $60 \%$ in the industries of "Accommodation and Food" and "Arts and Entertainment." The lowest level for the "Arts and Entertainment" sector relative to January was $-79.8 \%$ (recorded on April 30), followed by $-65.3 \%$ for the "Accommodation and Food" sector (on March 27). Like other sectors in the Austin area, these two sectors have been recovering recently. However, as of June 18, the "Arts and Entertainment" sector was still $31.5 \%$ below the level in January, and the "Arts and Entertainment" sector was still $50 \%$ below the pre-pandemic level. (see also Table A4 in the Appendix.)

Importantly, the industries experiencing the hardest hits by COVID-19 account for over fifty percent of the jobs in the region, according to the Quarterly Workforce Indicators compiled by the U.S. Census Bureau. ${ }^{2}$ Figure 6 describes the employment share by industry in Travis County. These industries are also more likely to employ female, minority, and less-educated workers (see also Table A5-A11 in the Appendix).

[^1]Figure 6: Employment Share by Industry in Travis County


Source: Quarterly Workforce Indicators (Third Quarter, 2019), Census Bureau

While conditions have started to improve during the month of June, Figure 7 shows 41 percent of small business reported that it would take their business more than 6 months to return to normal, whereas 10 percent think their business is unlikely to return to a normal level of operations.

Figure 7: Time to recovery to pre-COVID-19 level


Source: US Census Bureau, Small Business Pulse Survey
Question 15: In your opinion, how much time do you think will pass before this business returns to its normal level of operations relative to one year ago

## Labor Market Conditions

The decline in economic activity can also be reflected in the evolution of the weekly unemployment claims in Travis County and in the sharp unemployment increase in the Austin region. Texas Workforce Commission (TWC) reports the number of weekly unemployment insurance claims in Travis County. Figure 8 shows the total weekly unemployment insurance claims in the weeks of March 7 and March 14, 2020, were 420 and 847 , respectively. It jumped up more than 17 folds to 14,585 claims in the week of March 21. Weekly unemployment claims remained at more than 10,000 claims for four weeks until the week of April 11, 2020, and gradually dropped to 2,583 in the week of June 13 .

Figure 8: Number of weekly unemployment insurance claims in Travis County


Source: Texas Workforce Commission, Unemployment Claims by Numbers https://www.twc.texas.gov/news/unemployment-claims-numbersclaimsByCounty

According to the US Bureau of Labor Statistics (BLS), the rate of unemployment in the region of Austin-Round Rock-San Macros in April went up to 12.2\%, from $3.8 \%$ in March, and drop slightly to $11.4 \%$ in May as illustrated in Figure 9. This April unemployment condition is consistent with the trend of weekly insurance claims, as observed in Figure 8.

Figure 9: Unemployment Rate in the Austin, Round Rock, and San Macros Areas


Source: U.S. Bureau of Labor Statistics, Economy at a Glance
URL: U.S. BLS

## Bibliography

[1] Chetty, Raj, John N. Friedman, Nathaniel Hendren, Michael Stepner, How Did COVID-19 and Stabilization Policies Affect Spending and Employment? A New RealTime Economic Tracker Based on Private Sector Data., URL: Track the Recovery.
[2] Texas Workforce Commission, Unemployment Claims by Numbers, URL: Texas Unemployment Claims.
[3] U.S. Bureau of Labor Statistics, URL: U.S. BLS.
[4] U.S. Bureau of Labor Statistics, Economy at a Glance. URL: U.S. BLS.
[5] U.S. Census Bureau, Quarterly Workforce Indicators (Third Quarter, 2019)., URL: Census Quaterly Workforce Indicator.
[6] U.S. Census Bureau, Small Business Pulse Survey., URL: U.S. Small Business Pulse Survey.
[7] U.S. Census Bureau, Household Pulse Survey., URL: U.S. Household Pulse Survey.

## Appendix

Table A1: Impact of COVID-19 on Austin MSA Small Businesses

| NAICS 2 Digit | Large <br> negative <br> effect (\%) | Moderate <br> negative <br> effect (\%) | Little or no <br> effect (\%) | Moderate <br> positive <br> effect (\%) | Large <br> effect (\%) |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Agriculture, Fishing \& Hunting | - | - | - | - | - |
| Mining | 67.1 | 28.0 | - | - | - |
| Utilities | - | - | - | - | - |
| Construction | 14.6 | 55.7 | 26.0 | - | - |
| Manufacturing | 40.1 | 44.2 | 14.8 | - | - |
| Wholesale Trade | 38.6 | 43.0 | 16.0 | - | - |
| Retail Trade | 28.8 | 45.6 | 11.3 | - | - |
| Transportation \& Warehous. | 38.5 | 40.5 | 21.0 | - | - |
| Information | 55.3 | - | - | - | - |
| Finance \& Insurance | 22.4 | 49.4 | 25.6 | - | - |
| Real Estate \& Rental \& Leasing | 28.5 | 52.2 | - | - | - |
| Prof., Scientific, \& Tech. Serv. | 32.0 | 46.9 | 17.9 | - | - |
| Management of Companies | - | - | - | - | - |
| Admin. \& Support \& Waste Mgt | 28.9 | 40.5 | 22.9 | - | - |
| Educational Services | 74.5 | - | - | - | - |
| Health Care \& Social Assistance | 46.2 | 51.0 | - | - | - |
| Arts, Ent., \& Recreation | 55.7 | 33.5 | - | - | - |
| Accomm. \& Food Services | 74.0 | 18.2 | - | - | - |
| Other Serv. (except Public Admin.) | 51.8 | 38.2 | - | - | - |

Source: US Census Bureau, Small Business Pulse Survey
Question 1: Overall, how has this business been affected by the COVID-19 pandemic?

Table A2: Number of Unemployment Claims by industry in Texas (June 13, 2020)

| NAICS | Industry | Claims |
| :--- | :--- | ---: |
| 11 | Agriculture, Forestry, Fishing and Hunting | 245 |
| 21 | Mining | 2,098 |
| 22 | Utilities | 95 |
| 23 | Construction | 4,975 |
| 30 | Manufacturing | 5,142 |
| 40 | Retail Trade | 7,161 |
| 42 | Wholesale Trade | 2,560 |
| 49 | Transportation \& Warehousing | 3,136 |
| 51 | Information | 838 |
| 52 | Finance \& Insurance | 1,198 |
| 53 | Real Estate Rental \& Leasing | 1,100 |
| 54 | Professional, Scientific, \& Technical Services | 3,122 |
| 55 | Management of Companies \& Enterprises | 326 |
| 56 | Administration, Waste Management \& Remediation | 7,951 |
| 61 | Educational Services | 2,981 |
| 62 | Health Care \& Social Assistance | 6,165 |
| 71 | Arts, Entertainment \& Recreation | 962 |
| 72 | Accommodation \& Food Services | 7,933 |
| 81 | Other Services | 1,760 |
| 92 | Public Administration | 534 |
|  | Others (N/A) | 14,446 |
|  | Total Observation | 74,728 |

Source: Texas Workforce Commission, Unemployment Claims by Numbers

Table A3: Percentage Change in Small Business Revenue relative to January 2020 in Austin MSA

| Industry/Sector | Largest recorded <br> change (\%) |  | Latest <br> reading |
| :--- | ---: | ---: | ---: |
| Transportation and Retail Trade | -53.7 | $16-\mathrm{Apr}$ | -20.7 |
| Education and Health Services | -65.2 | 13-Apr | -20.8 |
| Leisure and Hospitality | -77.9 | $8-\mathrm{Apr}$ | -47.5 |
| Professional and Business Services | -30.3 | 30-Mar | -16.1 |
| All Sectors | -53.2 | 8-Apr | -26.5 |

Source: Chetty, Raj, John N. Friedman, Nathaniel Hendren, Michael Stepner, and the Opportunity Insights Team. How Did COVID-19 and Stabilization Policies Affect Spending and Employment? A New Real-Time Economic Tracker Based on Private Sector Data. URL:tracktherecovery.com

Table A4: Percentage Change in Average Consumer Spending relative to January 2020 in Austin MSA

| Industry/Sector | Largest recorded <br> change (\%) |  | Latest <br> reading |
| :--- | ---: | ---: | ---: |
| Accommodation and Food | -65.3 | $27-\mathrm{Mar}$ | -31.5 |
| Arts and Entertainment | -79.8 | $30-\mathrm{Apr}$ | -50.4 |
| General Merchandise and Apparel | -56.5 | 30-Mar | -13.0 |
| Grocery and Food Stores | -0.8 | 25-Jan | 16.5 |
| Health and Social Assistance | -58.4 | 30-Mar | -13.4 |
| Transportation and Warehousing | -76.2 | 15-Apr | -55.3 |

Source: Chetty, Raj, John N. Friedman, Nathaniel Hendren, Michael Stepner, and the Opportunity Insights Team. How Did COVID-19 and Stabilization Policies Affect Spending and Employment? A New Real-Time Economic Tracker Based on Private Sector Data. URL:tracktherecovery.com

Table A5: Sectoral employment and Hobby survey respondents

| NAICS <br> Code | Industry label | Sectoral Employment <br> Employees |  | Hobby School Survey <br> (\%) |  |
| :--- | :--- | ---: | ---: | ---: | ---: |
| 11 | Agriculture, Fishing \& Hunt | 1,397 | 0.1 | 4 | 0.4 |
| 21 | Mining | 4,160 | 0.4 | 1 | 0.1 |
| 22 | Utilities | 2,511 | 0.2 | 2 | 0.2 |
| 23 | Construction | 78,238 | 7.2 | 84 | 9.3 |
| 30 | Manufacturing | 69,362 | 6.4 | 13 | 1.4 |
| 40 | Retail Trade | 127,292 | 11.7 | 67 | 7.5 |
| 42 | Wholesale Trade | 54,687 | 5.0 | 5 | 0.6 |
| 49 | Transportation \& Warehousing | 24,901 | 2.3 | 7 | 0.8 |
| 51 | Information | 39,434 | 3.6 | 17 | 1.9 |
| 52 | Finance \& Insurance | 47,899 | 4.4 | 35 | 3.9 |
| 53 | Real Estate Rental \& Leasing | 26,170 | 2.4 | 41 | 4.6 |
| 54 | Professional, Scientific, \& Tech. Serv. | 144,185 | 13.2 | 176 | 19.6 |
| 55 | Management of Comp. \& Ent. | 8,480 | 0.8 | 7 | 0.8 |
| 56 | Administrative, Waste \& Remed. | 96,928 | 8.9 | 8 | 0.9 |
| 61 | Educational Services | 23,191 | 2.1 | 54 | 6.0 |
| 62 | Health Care \& Social Assistance | 126,289 | 11.6 | 79 | 8.8 |
| 71 | Arts, Entertainment, \& Recreation | 19,127 | 1.8 | 128 | 14.2 |
| 72 | Accommodation \& Food Services | 153,520 | 14.1 | 74 | 8.2 |
| 81 | Other Services (except Public Admin.) | 44,321 | 4.1 | 97 | 10.8 |

Note: Survey responses under code 71 include activities coded as 72 in the Census data.
Table A6: Employment by Industry and Race - Austin MSA

| Industry (NAICS 2-digit) | Total <br> Employ- <br> ment |  | Hispanic | White | Black or <br> African <br> American | American <br> Indian or <br> Alaska <br> Native | Asian | Native <br> Hawaiian or <br> Pacific <br> Islander |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  | Two or <br> More Race <br> Groups |  |  |  |
| Agriculture \& Hunting | 1,397 | 33.7 | 60.3 | 3.4 | 0.0 | 1.9 | 0.0 | 0.5 |
| Mining | 4,160 | 33.4 | 55.9 | 5.1 | 0.4 | 4.0 | 0.2 | 1.0 |
| Utilities | 2,511 | 20.8 | 65.5 | 4.6 | 0.4 | 7.3 | 0.0 | 1.3 |
| Construction | 78,238 | 39.9 | 50.9 | 5.3 | 0.4 | 2.5 | 0.2 | 0.9 |
| Manufacturing | 69,362 | 26.3 | 51.8 | 7.3 | 0.3 | 12.9 | 0.1 | 1.3 |
| Retail Trade | 127,292 | 35.7 | 47.3 | 9.9 | 0.3 | 5.0 | 0.2 | 1.6 |
| Wholesale Trade | 54,687 | 23.2 | 60.0 | 7.3 | 0.3 | 7.8 | 0.2 | 1.3 |
| Transportation \& Ware.g | 24,901 | 33.7 | 40.8 | 20.7 | 0.3 | 2.8 | 0.2 | 1.4 |
| Information | 39,434 | 19.2 | 61.3 | 7.3 | 0.3 | 10.0 | 0.1 | 1.8 |
| Finance \& Insurance | 47,899 | 26.3 | 56.8 | 9.0 | 0.3 | 6.2 | 0.1 | 1.4 |
| Real Estate Rental \& Leasing | 26,170 | 32.5 | 54.2 | 8.8 | 0.3 | 2.7 | 0.1 | 1.4 |
| Professional, Scien., \& Tech. | 144,185 | 18.7 | 62.0 | 6.6 | 0.3 | 10.7 | 0.1 | 1.6 |
| Management of Comp. \& Ent. | 8,480 | 30.0 | 48.4 | 14.4 | 0.3 | 5.3 | 0.1 | 1.5 |
| Admin., Waste Mgt \& Remed. | 96,928 | 34.9 | 41.6 | 17.5 | 0.3 | 4.1 | 0.2 | 1.4 |
| Educational Services | 23,191 | 22.1 | 61.5 | 9.1 | 0.3 | 5.2 | 0.1 | 1.7 |
| Health Care \& Social Asst. | 126,289 | 29.5 | 49.0 | 14.0 | 0.3 | 5.6 | 0.1 | 1.5 |
| Arts, Ent., \& Rec. | 19,127 | 23.3 | 64.2 | 7.3 | 0.3 | 2.7 | 0.2 | 2.1 |
| Accommodation \& Food Serv. | 153,520 | 34.3 | 47.7 | 10.0 | 0.4 | 5.5 | 0.2 | 1.9 |
| Others (except Public Admin.) | 44,321 | 29.4 | 55.1 | 8.2 | 0.3 | 5.2 | 0.2 | 1.7 |

[^2]Table A7: Employment by Industry and Ethnicity in Austin MSA (3-digit NAICS)

| Industry (NAICS 2-digit) | Total Employment | Hispanic | White | Black or African American | American Indian or Alaska Native | Asian | Native Hawaiian or Pacific Islander | Two or More Race Groups |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crop Production | 575 | 30.8 | 61.7 | 3.8 | 2.6 | 0.0 | 0.0 | 0.7 |
| Animal Production \& Aqua. | 559 | 36.9 | 57.6 | 3.4 | 1.4 | 0.0 | 0.0 | 0.5 |
| Fishing, Hunting \& Trapping | 1040.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |  |
| Support Activities for Agric. . | 253 | 33.2 | 62.9 | 2.4 | 1.2 | 0.0 | 0.0 | 0.0 |
| Oil \& Gas Extrac. | 1,067 | 22.5 | 70.3 | 2.9 | 3.2 | 0.3 | 0.0 | 0.8 |
| Mining (except Oil \& Gas) | 1,426 | 45.5 | 43.0 | 6.5 | 3.4 | 0.4 | 0.3 | 0.8 |
| Support Activities for Mining | 1,667 | 30.1 | 57.7 | 5.3 | 5.1 | 0.4 | 0.2 | 1.3 |
| Utilities | 2,511 | 20.8 | 65.5 | 4.6 | 7.3 | 0.4 | 0.0 | 1.3 |
| Construction of Buildings | 15,877 | 28.1 | 63.3 | 4.9 | 2.4 | 0.4 | 0.1 | 1.0 |
| Heavy \& Civil Engineering Const. | 13,931 | 45.6 | 44.9 | 5.4 | 2.6 | 0.5 | 0.2 | 0.8 |
| Specialty Trade Contractors | 48,430 | 42.1 | 48.6 | 5.4 | 2.4 | 0.4 | 0.2 | 0.9 |
| Food Manufacturing | 3,921 | 38.0 | 42.8 | 9.1 | 8.5 | 0.4 | 0.2 | 1.1 |
| Bev.\& Tobacco Prod.Manuf. | 2,299 | 27.9 | 60.2 | 8.4 | 1.7 | 0.3 | 0.0 | 1.5 |
| Textile Mills | 89 | 47.2 | 41.6 | 5.6 | 3.4 | 0.0 | 0.0 | 0.0 |
| Textile Product Mills | 226 | 30.5 | 62.4 | 2.7 | 2.7 | 0.0 | 0.0 | 1.3 |
| Apparel Manufacturing | 163 | 22.1 | 66.3 | 1.8 | 8.0 | 0.0 | 0.0 | 2.5 |
| Leather \& Allied Prod. Manuf | 218 | 37.6 | 34.9 | 23.9 | 2.3 | 0.0 | 0.0 | 0.9 |
| Wood Prod. Manuf. | 1,020 | 51.3 | 36.9 | 7.2 | 3.1 | 0.4 | 0.0 | 1.0 |
| Paper Manuf. | 312 | 41.4 | 43.3 | 9.3 | 3.9 | 0.0 | 0.0 | 1.3 |
| Printing \& Rel. Support Act. | 2,391 | 30.5 | 57.1 | 7.3 | 3.6 | 0.5 | 0.0 | 1.0 |
| Petroleum \& Coal Prod. Manuf. | 129 | 38.8 | 51.9 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| Chemical Manufacturing | 2,952 | 21.9 | 47.5 | 16.5 | 12.0 | 0.3 | 0.2 | 1.7 |
| Plastics \& Rubber Prod. Manuf. | 1,829 | 41.6 | 37.0 | 12.0 | 7.8 | 0.3 | 0.3 | 1.1 |
| Nonmetallic Mineral Prod. Manuf. | 3,339 | 49.5 | 36.6 | 11.1 | 1.6 | 0.3 | 0.1 | 0.9 |
| Primary Metal Manuf. | 532 | 45.1 | 42.1 | 8.5 | 2.3 | 0.0 | 0.0 | 1.7 |
| Fabricated Metal Prod. Manuf. | 4,963 | 36.3 | 52.0 | 5.9 | 3.6 | 0.7 | 0.2 | 1.3 |
| Machinery Manuf. | 4,325 | 22.9 | 55.2 | 8.1 | 12.1 | 0.3 | 0.1 | 1.2 |
| Comp. \& Elect. Prod. Manuf. | 31,282 | 16.5 | 54.7 | 5.7 | 21.3 | 0.2 | 0.1 | 1.3 |
| Elect. Equip., Appl., \& Component | 2,946 | 34.2 | 52.7 | 6.0 | 5.8 | 0.1 | 0.1 | 1.1 |
| Transportation Equip. Manuf | 1,542 | 38.8 | 47.0 | 7.3 | 4.6 | 0.4 | 0.0 | 1.8 |
| Furn. \& Related Prod. Manuf. | 1,854 | 40.5 | 47.8 | 8.5 | 1.4 | 0.4 | 0.2 | 1.4 |
| Miscellaneous Manufacturing | 3,030 | 27.9 | 58.3 | 5.4 | 6.6 | 0.4 | 0.1 | 1.4 |
| Mcht Wholes., Durable Goods | 40,947 | 21.6 | 61.1 | 6.7 | 9.0 | 0.3 | 0.1 | 1.3 |
| Mcht Wholes., Nondurable Goods | 9,016 | 32.9 | 51.5 | 11.2 | 2.8 | 0.2 | 0.2 | 1.2 |
| Wholes. Elect. MKts \& Agents | 4,724 | 18.7 | 66.8 | 5.6 | 7.0 | 0.3 | 0.2 | 1.4 |
| Motor Vehicle \& Parts | 15,099 | 37.5 | 52.3 | 6.3 | 2.1 | 0.3 | 0.2 | 1.4 |
| Furniture \& Home Furnish. Stores | 4,424 | 30.3 | 54.9 | 10.0 | 2.9 | 0.4 | 0.2 | 1.5 |
| Electronics \& Appliance Stores | 5,018 | 30.5 | 50.5 | 8.8 | 7.7 | 0.5 | 0.1 | 1.9 |
| Building Mat. \& Garden Equip. | 9,355 | 33.3 | 55.1 | 8.3 | 1.5 | 0.4 | 0.1 | 1.4 |
| Food \& Beverage Stores | 25,036 | 39.9 | 43.8 | 8.3 | 6.0 | 0.3 | 0.2 | 1.5 |
| Health \& Personal Care Stores | 6,779 | 33.0 | 47.4 | 10.2 | 7.5 | 0.3 | 0.2 | 1.5 |
| Gasoline Stations | 6,572 | 29.6 | 38.2 | 9.9 | 20.0 | 0.4 | 0.3 | 1.7 |

## continued next page

Table A7: Employment by Industry and Ethnicity in Austin MSA (3-digit NAICS) (continued)

| Industry (NAICS 2-digit) | Total <br> Employment | Hispanic | White | Black or <br> African American | American Indian or Alaska Native | Asian | Native Hawaiian or Pacific Islander | Two or More Race Groups |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Clothing \& Accessories Stores | 16,113 | 41.0 | 37.6 | 15.3 | 3.8 | 0.3 | 0.2 | 1.8 |
| Sport, Music, \& Book Stores | 5,182 | 32.3 | 57.2 | 5.9 | 2.3 | 0.3 | 0.1 | 1.7 |
| General Merchandise Stores | 17,383 | 41.7 | 38.4 | 13.5 | 4.3 | 0.4 | 0.2 | 1.6 |
| Misc. Store Retailers | 7,611 | 28.7 | 58.9 | 7.0 | 3.0 | 0.3 | 0.1 | 1.9 |
| Nonstore Retailers | 8,720 | 21.6 | 61.5 | 10.1 | 4.8 | 0.3 | 0.2 | 1.6 |
| Air Transportation | 1,133 | 20.2 | 63.5 | 9.9 | 3.9 | 0.3 | 0.4 | 1.9 |
| Truck Transportation | 5,790 | 34.1 | 42.5 | 19.1 | 2.6 | 0.2 | 0.2 | 1.3 |
| Transit \& Ground Transp. | 3,586 | 29.6 | 31.8 | 35.6 | 1.5 | 0.5 | 0.1 | 1.0 |
| Pipeline Transportation | 175 | 32.6 | 58.9 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| Scenic \& Sightsee Transp | 82 | 17.1 | 79.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Support Activities for Transp. | 3,273 | 31.5 | 49.3 | 14.4 | 2.8 | 0.3 | 0.3 | 1.4 |
| Couriers \& Messengers | 5,754 | 33.4 | 38.7 | 23.6 | 2.2 | 0.4 | 0.1 | 1.7 |
| Warehousing \& Storage | 5,108 | 41.3 | 36.1 | 16.1 | 4.8 | 0.3 | 0.2 | 1.3 |
| Publishing Ind.(except Internet) | 8,133 | 14.4 | 69.8 | 4.2 | 9.3 | 0.4 | 0.1 | 1.7 |
| Motion Picture \& Sound Recor. Ind. | 7,266 | 24.0 | 61.3 | 7.9 | 4.3 | 0.3 | 0.1 | 2.0 |
| Broadcasting (except Internet) | 1,166 | 25.3 | 64.0 | 6.4 | 2.2 | 0.3 | 0.0 | 1.7 |
| Telecommunications | 7,975 | 26.2 | 45.8 | 12.3 | 13.6 | 0.4 | 0.1 | 1.6 |
| Data Proc., Hosting, \& Rel. Serv | 8,003 | 16.6 | 62.5 | 7.2 | 11.4 | 0.2 | 0.2 | 1.9 |
| Other Information Services | 6,891 | 13.8 | 67.1 | 4.6 | 12.0 | 0.3 | 0.1 | 2.1 |
| Credit Intermed \& Rel. Activ. | 20,248 | 32.0 | 51.1 | 8.5 | 6.5 | 0.3 | 0.1 | 1.4 |
| Securities, Contracts \& Other Inv. | 9,291 | 14.0 | 67.0 | 6.7 | 10.6 | 0.2 | 0.1 | 1.3 |
| Insurance Carriers \& Rel. Activ. | 17,950 | 26.4 | 57.6 | 10.8 | 3.6 | 0.2 | 0.1 | 1.4 |
| Funds, Trusts, \& Other Fin. Vehicles | 410 | 16.1 | 72.9 | 4.2 | 5.4 | 0.0 | 0.0 | 1.2 |
| Real Estate | 19,457 | 33.1 | 55.1 | 7.1 | 2.9 | 0.3 | 0.1 | 1.4 |
| Rental \& Leasing Services | 6,488 | 31.4 | 51.1 | 13.6 | 2.0 | 0.3 | 0.1 | 1.4 |
| Lessors of Assets (except Copyright) | 225 | 19.1 | 67.1 | 8.0 | 4.0 | 0.0 | 0.0 | 1.8 |
| Professional, Scien., \& Tech. Services | 144,185 | 18.7 | 62.0 | 6.6 | 10.7 | 0.3 | 0.1 | 1.6 |
| Management of Comp. \& Ent. | 8,480 | 30.0 | 48.4 | 14.4 | 5.3 | 0.3 | 0.1 | 1.5 |
| Admin. \& Support Serv. | 93,696 | 34.7 | 41.6 | 17.6 | 4.2 | 0.3 | 0.2 | 1.4 |
| Waste Mgt and Remed. Servs. | 3,232 | 39.5 | 42.6 | 15.2 | 1.1 | 0.3 | 0.1 | 1.2 |
| Educational Services | 23,191 | 22.1 | 61.5 | 9.1 | 5.2 | 0.3 | 0.1 | 1.7 |
| Ambulatory Health Care Serv. | 56,602 | 30.0 | 51.3 | 11.2 | 5.7 | 0.3 | 0.1 | 1.4 |
| Hospitals | 29,586 | 24.7 | 56.3 | 9.8 | 7.3 | 0.3 | 0.1 | 1.5 |
| Nursing \& Residential Care Fac. | 16,275 | 30.3 | 36.8 | 27.0 | 3.9 | 0.3 | 0.2 | 1.5 |
| Social Assistance | 23,826 | 33.8 | 43.1 | 17.1 | 4.1 | 0.3 | 0.2 | 1.5 |
| Performing Arts, Sports, \& Rel. Ind. | 5,208 | 19.9 | 69.1 | 6.3 | 2.4 | 0.4 | 0.1 | 1.8 |
| Museums, Hist. Sites, \& Similar Inst. | 577 | 23.2 | 68.3 | 3.5 | 2.4 | 0.0 | 0.0 | 2.1 |
| Amusement, \& Recreation Ind. | 13,342 | 24.6 | 62.0 | 7.8 | 2.9 | 0.3 | 0.2 | 2.2 |
| Accommodation | 18,197 | 38.6 | 41.6 | 11.3 | 6.5 | 0.3 | 0.2 | 1.5 |
| Food Services \& Drink Places | 135,323 | 33.7 | 48.6 | 9.8 | 5.4 | 0.4 | 0.2 | 1.9 |
| Repair \& Maintenance | 12,468 | 34.3 | 52.9 | 7.6 | 3.1 | 0.3 | 0.2 | 1.6 |
| Personal \& Laundry Serv. | 16,345 | 29.8 | 51.1 | 8.6 | 8.3 | 0.3 | 0.2 | 1.8 |
| Religious, Grant, Civic, \& Others | 13,321 | 23.1 | 63.0 | 8.3 | 3.5 | 0.2 | 0.1 | 1.8 |
| Private Households | 2,187 | 37.5 | 49.4 | 8.0 | 3.1 | 0.2 | 0.0 | 1.7 |

Table A8: Employment by Industry and Gender in Austin MSA (2-digit NAICS)

| Industry | Total Employment | Male (\%) | Female (\%) |
| :--- | ---: | ---: | ---: |
| Agriculture, Forestry, Fishing \& Hunting | 1,397 | 65.5 | 34.7 |
| Mining | 4,160 | 74.2 | 25.8 |
| Utilities | 2,511 | 71.3 | 28.7 |
| Construction | 78,238 | 78.7 | 21.3 |
| Manufacturing | 69,362 | 70.4 | 29.6 |
| Retail Trade | 127,292 | 49.7 | 50.3 |
| Wholesale Trade | 54,687 | 68.3 | 31.8 |
| Transportation \& Warehousing | 24,901 | 67.1 | 32.9 |
| Information | 39,434 | 62.6 | 37.4 |
| Finance \& Insurance | 47,899 | 44.1 | 55.9 |
| Real Estate Rental \& Leasing | 26,170 | 55.4 | 44.6 |
| Professional, Scientific, \& Technical Services | 144,185 | 57.0 | 43.0 |
| Management of Companies \& Enterprises | 8,480 | 45.5 | 54.5 |
| Administration, Waste Management \& Remediation | 96,928 | 57.9 | 42.1 |
| Educational Services | 23,191 | 32.2 | 67.8 |
| Health Care \& Social Assistance | 126,289 | 22.7 | 77.3 |
| Arts, Entertainment, \& Recreation | 19,127 | 51.9 | 48.1 |
| Accommodation \& Food Services | 153,520 | 50.3 | 49.7 |
| Other Services (except Public Admin.) | 44,321 | 45.3 | 54.7 |

Source: : Quarterly Workforce Indicators (Third Quarter, 2019), Census Bureau.
continued next page


| Industry | Total | Male (\%) | Female (\%) | Industry | Total | Male (\%) | Female (\%) |
| :--- | ---: | ---: | ---: | :--- | ---: | ---: | ---: |
| Crop Production | 575 | 64.0 | 36.2 | Sport Goods, Music,\& Books | 5,182 | 50.1 | 50.0 |
| Animal Production and Aqua. | 559 | 67.3 | 32.7 | General Merch. Stores | 17,383 | 40.6 | 59.4 |
| Fishing, Hunt \& Trappi. | 10 | 70.0 | 40.0 | Miscellaneous Store Retail. | 7,611 | 45.4 | 54.6 |
| Support Activ. for Agric. \& Fores. | 253 | 64.8 | 35.2 | Non-store Retailers | 8,720 | 39.3 | 60.7 |
| Oil \& Gas Extrac. | 1,067 | 70.2 | 29.9 | Air Transportation | 1,133 | 64.5 | 35.5 |
| Mining (except Oil \& Gas) | 1,426 | 73.9 | 26.2 | Truck Transportation | 5,790 | 80.8 | 19.2 |
| Support Activ. for Min. | 1,667 | 77.0 | 23.0 | Transit \& Ground Transp. | 3,586 | 57.1 | 42.9 |
| Utilities | 2,511 | 71.3 | 28.7 | Pipeline Transportation | 175 | 72.6 | 27.4 |
| Const. of Buildings | 15,877 | 72.7 | 27.3 | Scenic \& Sightseeing Transp. | 82 | 54.9 | 45.1 |
| Heavy \& Civil Eng. Const. | 13,931 | 79.8 | 20.2 | Support Activ. for Transp. | 3,273 | 72.8 | 27.3 |
| Spec. Trade Contractors | 48,430 | 80.3 | 19.7 | Couriers \& Messengers | 5,754 | 68.3 | 31.7 |
| Food Man. | 3,921 | 54.1 | 45.9 | Warehousing \& Storage | 5,108 | 54.0 | 46.0 |
| Bev. \& Tobacco Prod. Man. | 2,299 | 67.5 | 32.5 | Publish. Ind. (excl.Internet) | 8,133 | 61.5 | 38.5 |
| Tex. Mills | 89 | 57.3 | 42.7 | Motion Picture \& Sound Rec. | 7,266 | 62.3 | 37.7 |
| Tex. Prod. Mills | 226 | 51.3 | 48.7 | Broadcas. (except Internet) | 1,166 | 56.4 | 43.7 |
| Apparel Man. | 163 | 31.3 | 68.7 | Telecomm. | 7,975 | 70.1 | 29.9 |
| Leather \& Allied Prod. Man. | 218 | 49.1 | 50.9 | Data Proc., \& Rel. Serv. | 8,003 | 62.3 | 37.8 |
| Wood Prod. Manufacturing | 1,020 | 79.6 | 20.4 | Other Info. Services | 6,891 | 57.1 | 42.9 |
| Paper Man. | 312 | 48.1 | 51.9 | Credit Intermed. \& Rel. Activ. | 20,248 | 43.9 | 56.1 |
| Printing \& Rel. Support Activ. | 2,391 | 61.9 | 38.1 | Securities, Contr., \& other Fin. | 9,291 | 58.2 | 41.8 |
| Petroleum \& Coal Prod. Man. | 129 | 86.1 | 14.7 | Insurance \& Rel. Activ. | 17,950 | 36.7 | 63.3 |

Source: Quarterly Workforce Indicators, Census Bureau (Third Quarter, 2019)
Table A9 : Employment by Industry and Gender in Austin MSA (3-digit NAICS) (continued)

| Industry | Total | Male (\%) | Female (\%) | Industry | Total | Male (\%) | Female (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Chemical Manufacturing | 2,952 | 59.8 | 40.2 | Funds, Trusts, \& Other Fin. | 410 | 55.4 | 44.6 |
| Plastics and Rubber Prod. Man. | 1,829 | 62.3 | 37.7 | Real Estate | 19,457 | 49.8 | 50.2 |
| Nonmetal Min. Prod.t Man. | 3,339 | 85.0 | 15.0 | Rental \& Leasing Serv. | 6,488 | 72.0 | 28.0 |
| Pry Metal Manuf. | 532 | 65.0 | 34.8 | Lessors of Intang. (excl. Copyr.) | 225 | 61.3 | 38.7 |
| Fabr. Metal Prod. Man. | 4,963 | 77.4 | 22.6 | Prof., Scien., \& Tech. Serv. | 144,185 | 57.0 | 43.0 |
| Mach Man. | 4,325 | 77.9 | 22.2 | Mgt of Comp. \& Ent. | 8,480 | 45.5 | 54.5 |
| Comp. \& Elect. Prod. Man. | 31,282 | 71.8 | 28.2 | Adm. \& Support Serv. | 93,696 | 57.2 | 42.8 |
| Elect. Equip., Appl., \& Comp. | 2,946 | 72.6 | 27.4 | Waste Mgt \& Remed. Serv. | 3,232 | 78.1 | 21.9 |
| Transp. Equip. Manuf. | 1,542 | 73.5 | 26.5 | Educational Serv. | 23,191 | 32.2 | 67.8 |
| Furn. \& Rel. Prod. Man. | 1,854 | 77.1 | 22.9 | Amb. Health Care Serv. | 56,602 | 22.8 | 77.2 |
| Misc. Manufacturing | 3,030 | 60.0 | 40.0 | Hospitals | 29,586 | 22.0 | 78.0 |
| Merch. Durable Goods | 40,947 | 68.1 | 31.9 | Nursing \& Resid. Care Fac. | 16,275 | 25.3 | 74.7 |
| Merch. Nondurable Goods | 9,016 | 71.1 | 29.0 | Social Ass. | 23,826 | 21.4 | 78.6 |
| Wholes. Elec. Markets \& Agents | 4,724 | 63.9 | 36.1 | Perfor. Arts, Sports, \& Rel. Ind. | 5,208 | 56.5 | 43.5 |
| Motor Veh. \& Parts Dealers | 15,099 | 77.5 | 22.5 | Museums, Hist. Sites, \& others | 577 | 37.4 | 62.6 |
| Furn. \& Home Furnish Stores | 4,424 | 48.7 | 51.3 | Amusement \& Rec. Ind. | 13,342 | 50.7 | 49.3 |
| Elec. \& Appl. Stores | 5,018 | 65.4 | 34.6 | Accom | 18,197 | 45.4 | 54.6 |
| Build. Mat. \& Garden Equip. | 9,355 | 67.9 | 32.1 | Food Serv. \& Drink Places | 135,323 | 51.0 | 49.0 |
| Food \& Bev. Stores | 25,036 | 52.3 | 47.7 | Rep. \& Maint. | 12,468 | 79.4 | 20.6 |
| Health \& Per. Care Stores | 6,779 | 34.3 | 65.7 | Pers.\& Laundry Serv. | 16,345 | 28.9 | 71.1 |
| Gas Stations | 6,572 | 51.5 | 48.6 | Rel., Grants, Prof., \& others | 13,321 | 38.7 | 61.3 |
| Clothing \& Acces. Stores | 16,113 | 27.8 | 72.2 | Private Households | 2,187 | 13.4 | 86.6 |

Table A10 : Employment by Industry and Education in Austin MSA (2-digit NAICS)

| Industry | Total Employment | Less than high school (\%) | High school or equivalent, no college (\%) | Some college or Associate degree (\%) | Bachelor's degree or advanced degree (\%) | Educational attainment not available <br> (24 or <br> younger) (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Agriculture, Forestry, Fish., \& Hunt. | 1,397 | 23.4 | 23.1 | 23.1 | 16.5 | 13.7 |
| Mining | 4,160 | 19.2 | 25.9 | 26.2 | 20.8 | 7.9 |
| Utilities | 2,511 | 10.7 | 22.5 | 30.0 | 30.6 | 6.3 |
| Construction | 78,238 | 22.3 | 24.9 | 25.3 | 14.9 | 12.7 |
| Manufacturing | 69,362 | 14.5 | 21.7 | 27.8 | 28.8 | 7.2 |
| Retail Trade | 127,292 | 14.7 | 21.3 | 23.1 | 14.3 | 26.7 |
| Wholesale Trade | 54,687 | 13.0 | 22.8 | 28.5 | 29.1 | 7.7 |
| Transportation and Warehousing | 24,901 | 17.1 | 25.4 | 27.2 | 14.3 | 16.0 |
| Information | 39,434 | 10.8 | 19.0 | 26.3 | 32.7 | 11.2 |
| Finance and Insurance | 47,899 | 11.6 | 20.3 | 29.0 | 31.7 | 7.5 |
| Real Estate Rental and Leasing | 26,170 | 17.0 | 23.2 | 27.1 | 19.4 | 13.4 |
| Professional, Scien., and Tech. Serv. | 144,185 | 10.9 | 18.7 | 26.2 | 34.7 | 9.5 |
| Management of Comp.s and Ent. | 8,480 | 15.2 | 22.2 | 26.2 | 21.2 | 15.2 |
| Waste Mgmt and Remediation Serv. | 96,928 | 19.2 | 23.0 | 25.6 | 17.4 | 14.9 |
| Educational Services | 23,191 | 11.4 | 18.5 | 24.8 | 28.5 | 16.9 |
| Health Care and Social Assistance | 126,289 | 14.7 | 21.9 | 30.2 | 22.4 | 10.8 |
| Arts, Entertainment, and Recreation | 19,127 | 11.3 | 18.3 | 22.3 | 17.5 | 30.7 |
| Accommodation and Food Services | 153,520 | 16.0 | 18.5 | 18.9 | 11.5 | 35.1 |
| Other Services (except Public Admin.) | 44,321 | 15.3 | 21.8 | 25.8 | 18.4 | 18.8 |

Source: : Quarterly Workforce Indicators (Third Quarter, 2019), Census Bureau.

Table A11 : Employment by Industry and Education in Austin MSA (3-digit NAICS)
$\left.\begin{array}{lrrrrrr}\hline \hline \text { Industry } & \begin{array}{rrrl}\text { Total } \\ \text { Employment }\end{array} & \begin{array}{r}\text { Less than } \\ \text { high } \\ \text { school (\%) }\end{array} & \begin{array}{r}\text { High school } \\ \text { or equivalent, } \\ \text { no college (\%) }\end{array} & \begin{array}{r}\text { Some college } \\ \text { or Associate } \\ \text { degree (\%) }\end{array} & \begin{array}{r}\text { Bachelor's } \\ \text { degree or } \\ \text { advanced }\end{array} & \begin{array}{r}\text { Educational } \\ \text { attainment } \\ \text { not available }\end{array} \\ \text { (24 or }\end{array}\right]$

## continued next page

Table A11 : Employment by Industry and Education in Austin MSA (3-digit NAICS) (continued)

| Industry | Total Employment | $\begin{array}{r} \hline \hline \text { Less than } \\ \text { high } \\ \text { school (\%) } \end{array}$ | High school or equivalent, no college (\%) | Some college or Associate degree (\%) | Bachelor's degree or advanced degree (\%) | Educational attainment not available <br> (24 or <br> younger) (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Clothing \& Accessories Stores | 16,113 | 11.5 | 14.7 | 16.1 | 10.2 | 47.6 |
| Sport. Goods, Music \& Book Stores | 5,182 | 12.0 | 20.2 | 22.6 | 14.3 | 30.9 |
| General Merchandise Stores | 17,383 | 16.0 | 22.0 | 21.8 | 11.0 | 29.3 |
| Misc. Store Retailers | 7,611 | 13.0 | 21.3 | 24.0 | 15.2 | 26.6 |
| Nonstore Retailers | 8,720 | 14.8 | 23.4 | 27.9 | 24.2 | 9.8 |
| Air Transportation | 1,133 | 11.7 | 25.9 | 33.5 | 24.5 | 4.7 |
| Truck Transportation | 5,790 | 19.1 | 27.0 | 26.1 | 13.3 | 14.6 |
| Transit \& Ground Transp. | 3,586 | 18.7 | 29.6 | 32.6 | 12.6 | 6.5 |
| Pipeline Transportation | 175 | 16.0 | 28.0 | 32.6 | 16.0 | 7.4 |
| Scenic \&Sightsee. Transp. | 82 | 17.1 | 24.4 | 28.1 | 28.1 | 0.0 |
| Support Activities for Transp. | 3,273 | 17.4 | 24.8 | 26.2 | 15.7 | 16.0 |
| Couriers \& Messengers | 5,754 | 15.8 | 24.1 | 27.3 | 13.0 | 19.8 |
| Warehousing \& Storage | 5,108 | 16.2 | 22.1 | 23.8 | 14.6 | 23.2 |
| Publishing Ind. (except Internet) | 8,133 | 9.5 | 17.6 | 27.0 | 40.2 | 5.8 |
| Motion Picture \& Sound Recording | 7,266 | 10.0 | 17.2 | 20.8 | 20.5 | 31.5 |
| Broadcasting (except Internet) | 1,166 | 11.2 | 19.0 | 28.3 | 32.3 | 9.2 |
| Telecommunications | 7,975 | 11.8 | 20.3 | 29.1 | 32.1 | 6.7 |
| Data Proc., Hosting, \& Rel. Serv. | 8,003 | 11.4 | 19.8 | 27.4 | 35.1 | 6.2 |
| Other Information Services | 6,891 | 11.4 | 19.9 | 26.4 | 34.8 | 7.5 |
| Credit Intermed. \& Related Activ. | 20,248 | 12.8 | 20.8 | 28.5 | 28.4 | 9.6 |
| Securities, Contracts, \& Other Invest. | 9,291 | 8.6 | 16.8 | 25.8 | 41.4 | 7.3 |
| Insurance Carriers \& Rel. Activ. | 17,950 | 11.8 | 21.6 | 31.3 | 30.2 | 5.2 |
| Funds, Trusts, \& Other Fin. Vehicles | 410 | 10.0 | 18.5 | 26.3 | 39.8 | 5.6 |
| Real Estate | 19,457 | 17.4 | 23.0 | 27.5 | 20.8 | 11.4 |
| Rental \& Leasing Services | 6,488 | 16.1 | 24.0 | 26.0 | 14.7 | 19.3 |
| Lessors of Assets (excl. Copyright) | 225 | 11.1 | 19.6 | 25.3 | 27.6 | 16.4 |
| Professional, Scien., \& Tech. Services | 144,185 | 10.9 | 18.7 | 26.2 | 34.7 | 9.5 |
| Management of Comp. \& Ent. | 8,480 | 15.2 | 22.2 | 26.2 | 21.2 | 15.2 |
| Admin. \& Support Serv.s | 93,696 | 19.1 | 22.9 | 25.5 | 17.5 | 15.0 |
| Waste Mgt. and Remed. Servs | 3,232 | 21.3 | 27.6 | 27.7 | 13.6 | 9.8 |
| Educational Services | 23,191 | 11.4 | 18.5 | 24.8 | 28.5 | 16.9 |
| Ambulatory Health Care Serv. | 56,602 | 14.2 | 21.8 | 30.6 | 24.1 | 9.3 |
| Hospitals | 29,586 | 12.6 | 21.2 | 33.1 | 26.6 | 6.6 |
| Nursing \& Residential Care Fac. | 16,275 | 17.7 | 24.1 | 29.4 | 16.5 | 12.4 |
| Social Assistance | 23,826 | 16.2 | 21.7 | 26.3 | 17.3 | 18.6 |
| Performing Arts, Sports, \& Rel. Ind. | 5,208 | 12.7 | 21.7 | 26.7 | 22.7 | 16.2 |
| Museums, Hist. Sites, \& Similar Inst. | 577 | 9.4 | 16.8 | 20.1 | 19.8 | 34.1 |
| Amusement \& Recreation Ind. | 13,342 | 10.8 | 17.0 | 20.6 | 15.3 | 36.2 |
| Accommodation | 18,197 | 21.4 | 22.2 | 23.6 | 15.1 | 17.8 |
| Food Services\& Drink Places | 135,323 | 15.3 | 18.0 | 18.3 | 11.0 | 37.4 |
| Repair \& Maintenance | 12,468 | 17.2 | 24.2 | 26.3 | 14.0 | 18.4 |
| Personal \& Laundry Servs. | 16,345 | 16.7 | 22.2 | 25.1 | 15.6 | 20.5 |
| Religious, Grant making, \& Similar Orgs. | 13,321 | 10.7 | 19.0 | 26.2 | 26.1 | 18.1 |
| Private Households | 2,187 | 22.4 | 22.7 | 25.2 | 17.3 | 12.4 |


[^0]:    ${ }^{1}$ Chetty, Raj, John N. Friedman, Nathaniel Hendren, Michael Stepner, and the Opportunity Insights Team. 2020.How Did COVID-19 and Stabilization Policies Affect Spending and Employment? A New RealTime Economic Tracker Based on Private Sector Data from https://www.tracktherecovery.org/ [Accessed June 25, 2020]

[^1]:    ${ }^{2}$ The sum of employment shares in the sectors of "accommodation and food services," "professional, scientific, and technical services," "retail trade," "health care and social assistance," "transportation and warehousing," "education services," and "arts, entertainment, and recreation" are about 57\% in Travis county

[^2]:    Source: Quarterly Workforce Indicators (Third Quarter, 2019), Census Bureau.

