

Exploring Census Data Webinar Series: Webinar #1

Census Data for the Transportation and Warehousing Sector

March 31st, 2020

Presented by:

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US Census Bureau



Exploring Census Data Webinar Series

- Monthly webinars on key topics
- Follows real-life use cases
- Presented by Census subject matter experts
- Includes Q&A
- Recorded and posted for later reference
- Learn more at: <https://www.census.gov/academy>
- View 2019 webinar series materials at: <https://www.census.gov/data/academy/webinars.html>

Exploring Census Data Webinar Series

<u>Topic:</u>	<u>Date:</u>
Transportation	March 31, 2020
Finance	April 28, 2020
Education	May 27, 2020
Economic Geography	June 16, 2020
Emerging Technologies	July 21, 2020
New Businesses	August 11, 2020
Hidden Gems	September 22, 2020

SAVE THE DATE: All webinars are **FREE** and start 2:00pm, ET. No registration required – Log in details will be provided 24-48 hours prior to the event. For more information, please contact the Data User & Trade Outreach Branch at 800-242-2184 or ewd.outreach@census.gov

Objectives

 Raise awareness of the wealth of data available to help users better understand the Transportation and Warehousing sector (NAICS 48-49)

 Train users on how best to access these valuable data using key Census Bureau data tools

[census.gov](https://www.census.gov)

- To obtain an archived copy, visit [census.gov](https://www.census.gov) / Explore Data / Census Academy
- Find stories and free visualizations under 'Library'



Outline

I. About the Census Bureau

II. Data Sources:

- **Quarterly Services Survey (QSS)**
- **County Business Patterns (CBP)**
- **Economic Census (EC)**
- **Annual Business Survey (ABS)**
- **American Community Survey (ACS)**

III. Accessing our statistics:

- data.census.gov
- Census Business Builder (CBB)
- Other methods

Check Out Census Data in Action!

America Counts: Stories Behind the Numbers

We feature stories on various topics such as families, housing, employment, business, education, the economy, emergency preparedness, and population.

America Counts: Stories Behind the Numbers –
<https://www.census.gov/library/stories.html>



About the Census Bureau

- The U.S. Census Bureau is the federal government's largest statistical agency.
- We conduct more than 130 censuses and surveys each year, including
 - **The Decennial Census** – the once-a-decade population and housing count of the United States
 - **The American Community Survey** – the ongoing annual survey of the nation's population
 - **The Economic Census** – the official five-year measure of American business
 - **The Census of Governments** – identifies the scope and nature of the nation's state and local government sector
- Our mission is to serve as the leading source of quality data about America's people, places, and economy.

Decennial Population
and Housing Census
Every 10 years

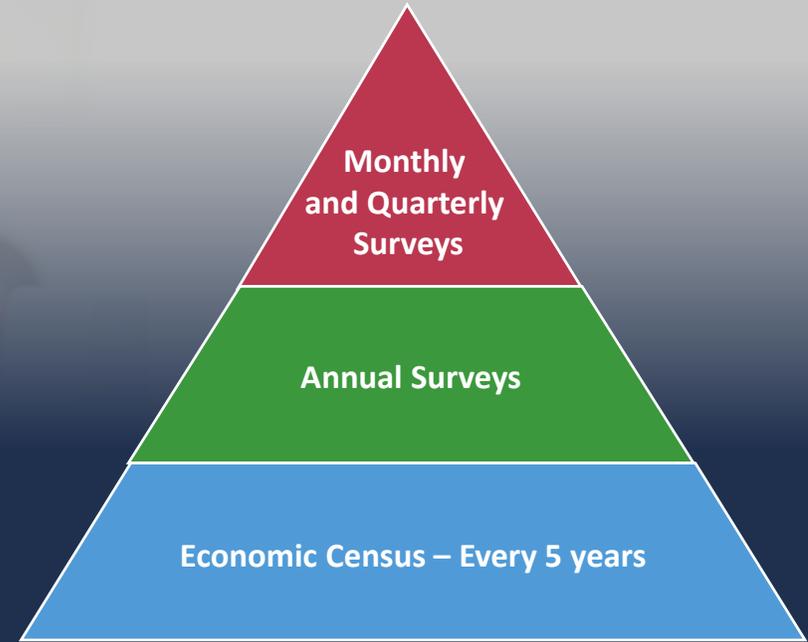
Economic Census
Every 5 years

Census of Governments
Every 5 years

American Community Survey
Annual

Annual Retail Trade
Annual

Plus more than 130
demographic and economic surveys
every year



Census Economic Surveys

- Census Bureau Economic Surveys are a key source for official statistics companies can use:
 - Monthly and Quarterly are small sample surveys that provide the most **TIMELY** data available
 - Annual surveys have larger samples and provide the most up-to-date **TREND** data available
 - Every 5 years, the Economic Census measures all businesses and provides the most **COMPREHENSIVE** data available
- These surveys set the standard for U.S. economic statistics, and are fueled by the data provided by individual businesses

Key Census Bureau Terms

- NAICS (North American Industry Classification System)
 - Our primary data dimension
- Establishments (vs. Companies, Firms, etc.)
 - Our collection/tabulation level
- Employers (vs. Nonemployers)
 - Most programs only cover employer businesses
 - Nonemployers: self-employed individuals
- U.S. Code Title 13 and 26
 - Protects business privacy and confidentiality



The Transportation and Warehousing Sector

Transportation and Warehousing sector (sector 48-49) includes industries providing

- Transportation of passengers and cargo
- Warehousing and storage for goods
- Scenic and sightseeing transportation
- Support activities related to modes of transportation

Businesses in these industries use transportation equipment or transportation related facilities as a productive asset. The type of equipment depends on the mode of transportation. The modes of transportation are air, rail, water, road, and pipeline.

It includes:

- | | | | |
|-----|---|-----|---------------------------------------|
| 481 | Air Transportation | 487 | Scenic and Sightseeing Transportation |
| 482 | Rail Transportation | 488 | Support Activities for Transportation |
| 483 | Water Transportation | 491 | Postal Service (Federal Government) |
| 484 | Truck Transportation | 492 | Couriers and Messengers |
| 485 | Transit and Ground Passenger Transportation | 493 | Warehousing and Storage |
| 486 | Pipeline Transportation | | |

Transportation Data Sources and Data Tools

- Job to Job Explorer
 - **Quarterly Services Survey (QSS)**
 - Quarterly Workforce Indicators (QWI)
 - **County Business Patterns (CBP)**
 - Nonemployer Statistics (NES)
 - Service Annual Survey (SAS)
 - Annual Capital Expenditure Survey (ACES)
 - Business Dynamic Statistics (BDS)
 - Statistics of US Businesses (SUSB)
 - Survey of Business Owners (SBO)
 - Annual Survey of Entrepreneurs (ASE)
 - LEHD Origin-Destination Employment Statistics (LODES)
 - **Economic Census**
 - Commodity Flow Survey
- Quarterly Programs
- Annual Programs
- Periodic Surveys
-

Quarterly Services Survey (QSS)

The **Quarterly Services Survey (QSS)** is the only source of service industry indicator performance providing timely estimates of revenue and expenses for selected service industries. The QSS is a sub-sample of the [Service Annual Survey \(SAS\)](#).

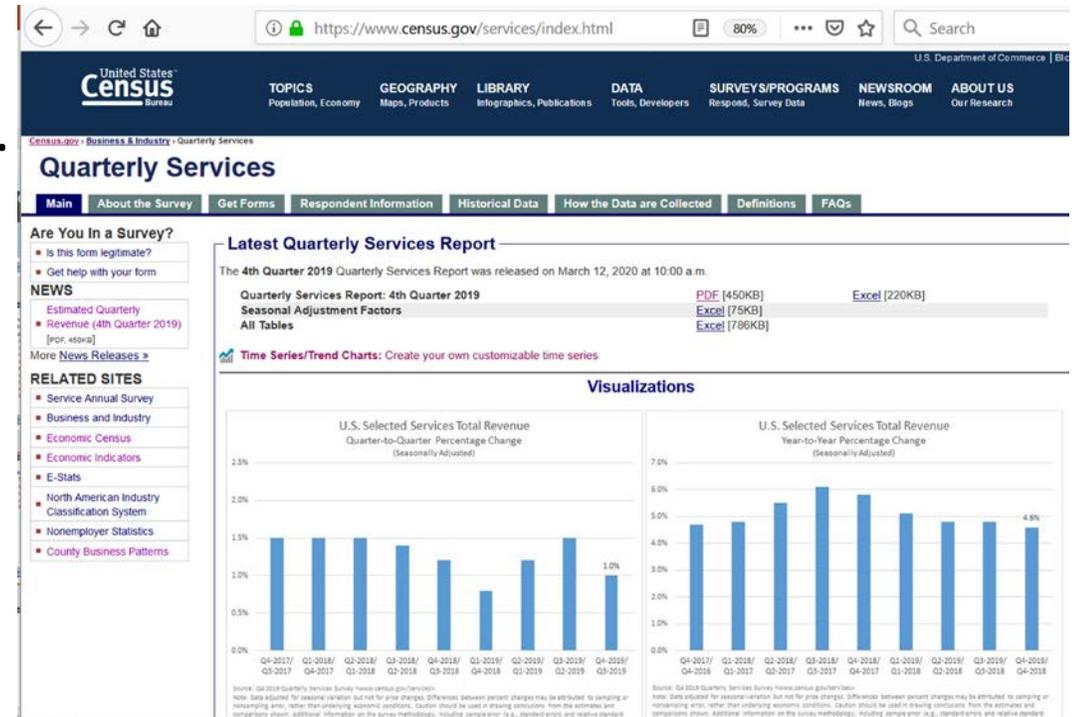
- Is a principal economic indicator that produces, for selected service industries, quarterly estimates of total operating revenue and the percentage of revenue by class of customer (government, businesses, and household consumers/individual users)
- Also produces estimates of total operating expenses from tax-exempt firms in industries that have a large not-for-profit component. In addition, for hospital services, the survey estimates the number of inpatient days and discharges
- Developed to address critical gaps in federal statistics covering the service economy
- Both seasonally-adjusted and not-adjusted data
- Data are published at the National level only

Quarterly Services Survey (QSS) Cont'd

- Produces quarterly estimates of revenue and expenses for service industries
- Conducted quarterly with the mail-out occurring at the end of each calendar quarter. Last survey period available is from 4th Quarter 2019
- Advance Quarterly Services Report released online approx. 50 days after the calendar quarter ends.
- Quarterly Services Report released online approx. 75 days after the calendar quarter ends.

Data can be accessed here:

- <https://www.census.gov/services/index.html>



Industry Coverage

Quarterly Services Survey covers the following NAICS Codes for the Transportation and Warehousing sector:

48pt-49: Transportation and Warehousing

481: Air Transportation

483: Water Transportation

4831: Deep Sea, Coastal, and Great Lakes Water Transportation

4832: Inland Water Transportation

484: Truck Transportation

4841: General Freight Trucking

48412: General Freight Trucking, Long-Distance

4842: Specialized Freight Trucking

485: Transit and Ground Passenger Transportation

486: Pipeline Transportation

487: Scenic and Sightseeing Transportation

488: Support Activities For Transportation

492: Couriers and Messengers

493: Warehousing and Storage

NAICS Sector Coverage in QSS

22 Utilities

48-49 Transportation and Warehousing

51 Information

52 Finance and Insurance

53 Real estate and rental leasing

54 Professional, scientific, and technical services

56 Administrative and support and waste management and remediation services

61 Educational Services

62 Health care and social assistance

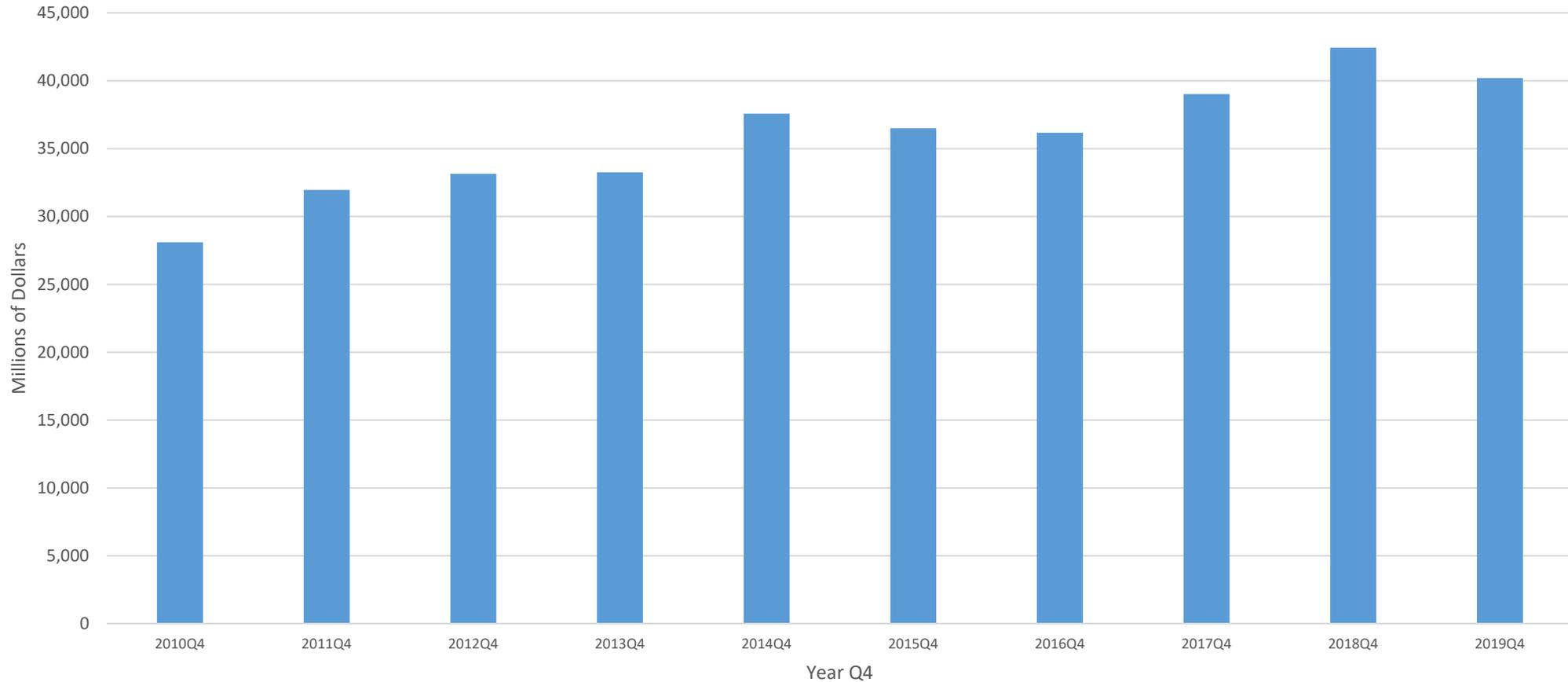
71 Arts, entertainment, and recreation

721 Accommodation

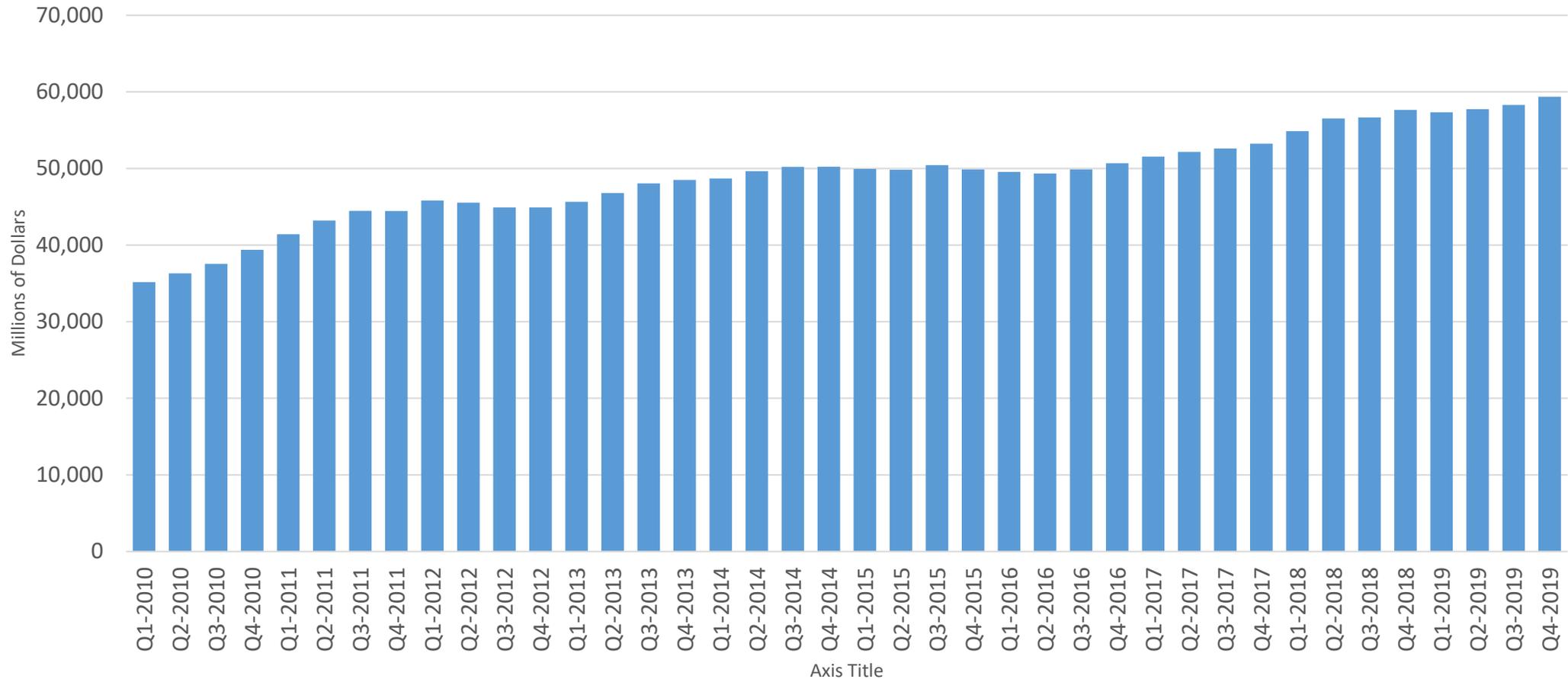
81 Other Services (except public administration)

**Not Seasonally Adjusted Total Revenue (Millions of Dollars)
NAICS 48412: General Freight Trucking, Long-Distance: U.S. Total
Q4-2010 to Q4-2019**

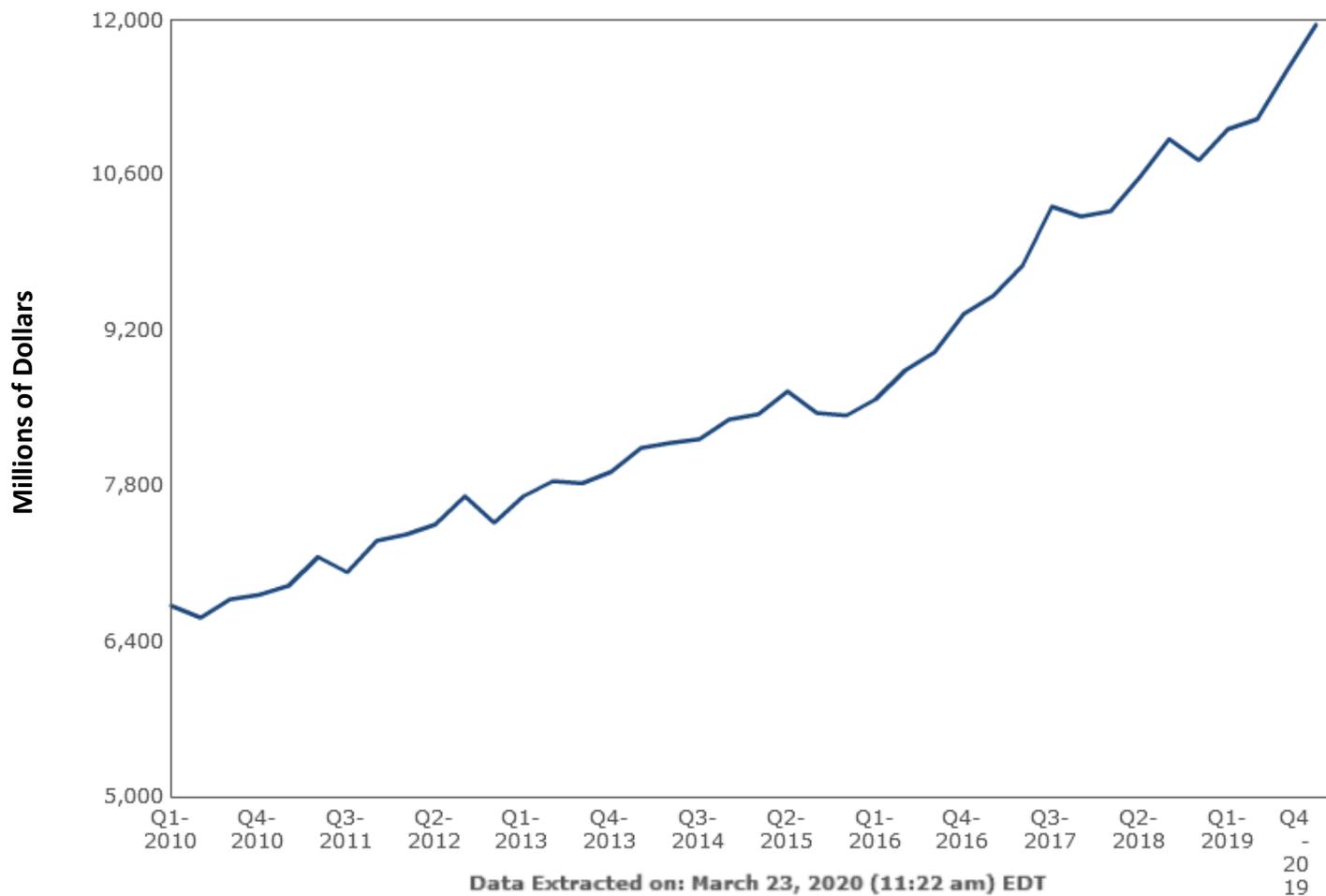
Source: Quarterly Services Survey



NAICS 481: Air Transportation: U.S. Total [Millions of Dollars]
Period: 2010 to 2019 Seasonally Adjusted Total Revenue
Source: Quarterly Services Survey



Source: Quarterly Services Survey
 NAICS 485: Transit and Ground Passenger Transportation: U.S. Total
 Q1-2010 to Q4-2019
 Seasonally Adjusted Total Revenue



These data are subject to sampling and nonsampling error.

County Business Patterns

The **County Business Patterns (CBP)** is an Annual series that provides subnational economic data by industry for most businesses with paid employees.

- Includes the number of establishments, employment during the week of March 12, first quarter payroll, and annual payroll.
- Data originates from administrative records received from the Internal Revenue Service, Social Security Administration, and Bureau of Labor Statistics, as well as from the Economic Census & Company Organization Survey data collections

Our industry: Transportation, NAICS 481, 484, 485

Key Stats for selected transportation sectors

Air Transportation, NAICS 481

Number of Establishments: 4,441

Employment: 470,353

Annual Payroll: \$39,965,954,000

Truck Transportation, NAICS 484

Number of Establishments: 126,986

Employment : 1,465,040

Annual Payroll: \$71,922,651,000

Transit Ground Passenger Transportation,
NAICS 485

Number of Establishments: 20,397

Employment: 514,615

Annual Payroll: \$15,188,602,000

(Source: 2017 County Business Patterns)

County Business Patterns (CBP) Cont'd

- Data for establishments are presented by geographic area, 2- thru 6-digit NAICS industry, legal form of organization (U.S. and state only), and employment size classes.
- Only annual source of complete and consistent county-level data for U.S., Puerto Rico, and Island Areas business establishments with industry detail.
- By U.S. level and by State, County, Metropolitan area, ZIP Code, and Congressional District
- Data.census.gov

The screenshot displays the United States Census Bureau's data tool interface for County Business Patterns (CBP). The main title is "All Sectors: County Business Patterns by Legal Form of Organization and Employment Size Class for U.S., States, and Selected Geographies: 2017". The interface includes a search bar, navigation tabs (ALL, TABLES, MAPS, PAGES), and a "CUSTOMIZE TABLE" button. The "Advanced Filters" section is active, showing a list of industry codes (NAICS) with a search bar. The selected filter is "48-49 - Transportation and warehousing". The list includes codes such as 481 - Air transportation, 482 - Rail transportation, 483 - Water transportation, 484 - Truck transportation, 485 - Transit and ground passenger transportation, 486 - Pipeline transportation, 487 - Scenic and sightseeing transportation, 488 - Support activities for transportation, 491 - Postal service, 492 - Couriers and messengers, and 493 - Warehousing and storage. A "Selected Filters" section at the bottom shows "ANR Business Patterns County Business Patterns" and a "CLEAR ALL" button.

County Business Patterns (CBP) Cont'd

CBP data tables are available on data.census.gov and in print publication from 1997-2004.

- CBP Datasets
 - CBP data are available in downloadable CSV format, along with record layouts and reference guides, from 1986-present.
 - CBP by Congressional District
- My Congressional District tool allows data users to view the most recent CBP data and American Community Survey data by congressional district.
- API
 - The Census Bureau's Application Programming Interface allows developers to create custom queries. Users can embed these statistics into web or mobile apps.
- Visit The National Archives to find files for years prior to 1986.

Industry Coverage

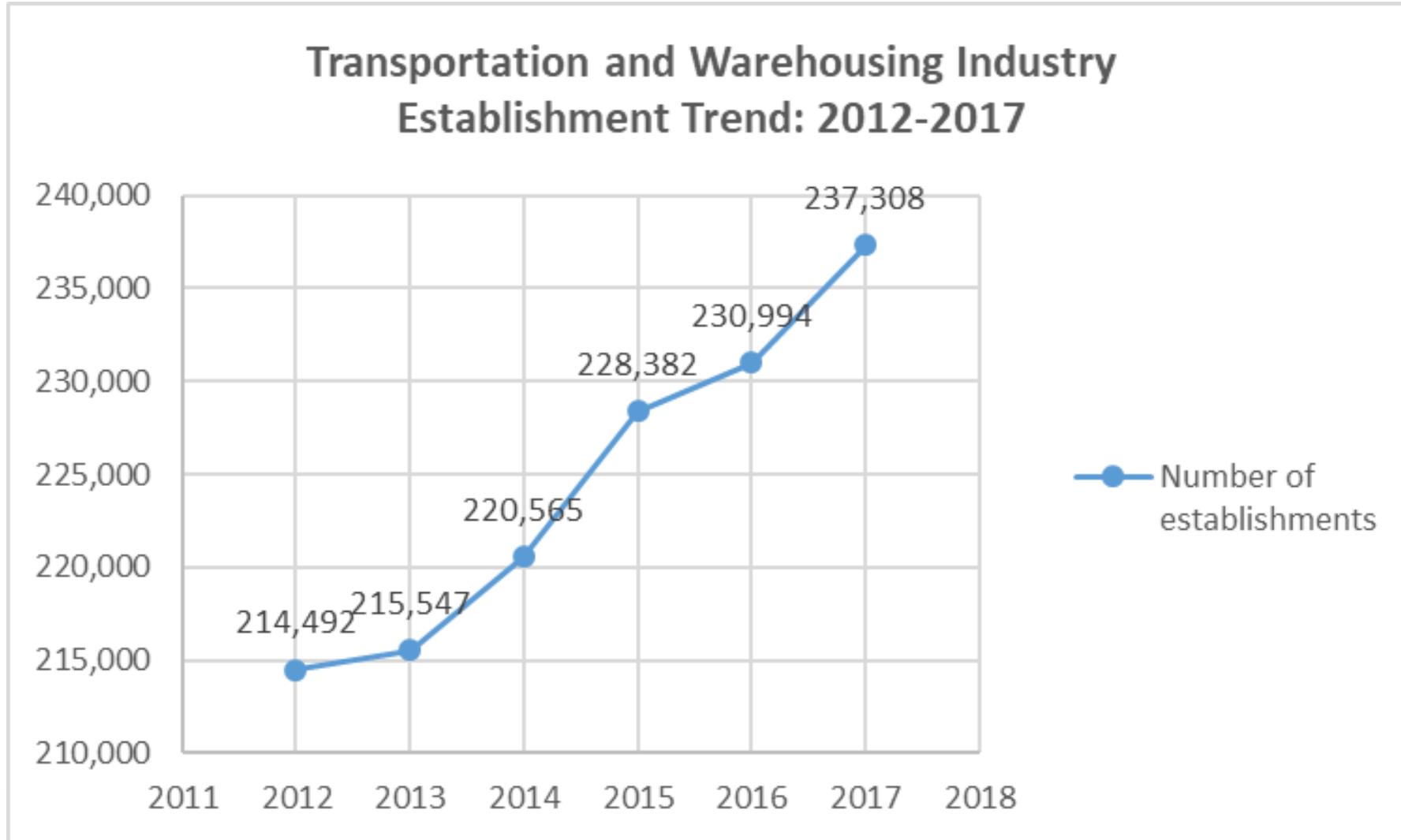
- More than 1,000 industries are covered at the 6-digit NAICS level by Employment Size and Legal Form of Organization.
 - 2- thru 6-digit NAICS detail is available for the Transportation and Warehousing sector

BROWSE FILTERS	CODES	INDUSTRY CODES (NAICS)	48-49 - TRANSPORTATION AND WAREH...
Topics	Industry Codes (NAICS)	11 - Agriculture, forestry, fishing and hunting	<input checked="" type="checkbox"/> All available 6 digit codes within sector 48
Geography	Product and Service Codes	21 - Mining, quarrying, and oil and gas extraction	481 - Air transportation
Years	Commodity Codes	22 - Utilities	482 - Rail transportation
Surveys	Material/Fuel	23 - Construction	483 - Water transportation
Codes	NAPCS Collection	31-33 - Manufacturing	484 - Truck transportation
		42 - Wholesale trade	485 - Transit and ground passenger transportation
		44-45 - Retail trade	486 - Pipeline transportation
		48-49 - Transportation and warehousing	487 - Scenic and sightseeing transportation
		51 - Information	488 - Support activities for transportation
		52 - Finance and insurance	491 - Postal service
		53 - Real estate and rental and leasing	492 - Couriers and messengers
		54 - Professional, scientific,	

Transportation and Warehousing (NAICS 48-49) Number of Establishments by Sub-Sector: 2017



County Business Patterns (CBP)



Economic Census

2017 Economic Census

- NAICS: Nearly every 2- thru 6-digit code covered by the Census Bureau
 - Excludes Agriculture (NAICS 11) and other selected types of business (see https://www.census.gov/programs-surveys/economic-census/guidance/understanding-naics.html#par_textimage for full list of exclusions)
- Geography: National, state, metro and other lower geographies (areas shown vary by sector)
- Other Dimensions: Data by business size (establishment and firm; employment and revenue), Legal Form of Organization, Franchise status, etc.
- Over 200 data variables shown, including number of establishments, employment, payroll and “sales” plus sector-specific variables (inventories, assets, expenses, etc.)
- As of March 26th, have released data for this sector for 28 states (43% complete)

**DATA FROM THE
NATION'S BUSINESSES**

+

**STATS ON EVERY INDUSTRY
AND GEOGRAPHY**

=

**ONE VALUABLE RESOURCE
FOR YOUR BUSINESS**

**THE ECONOMIC CENSUS.
SEE HOW IT ALL ADDS UP.**

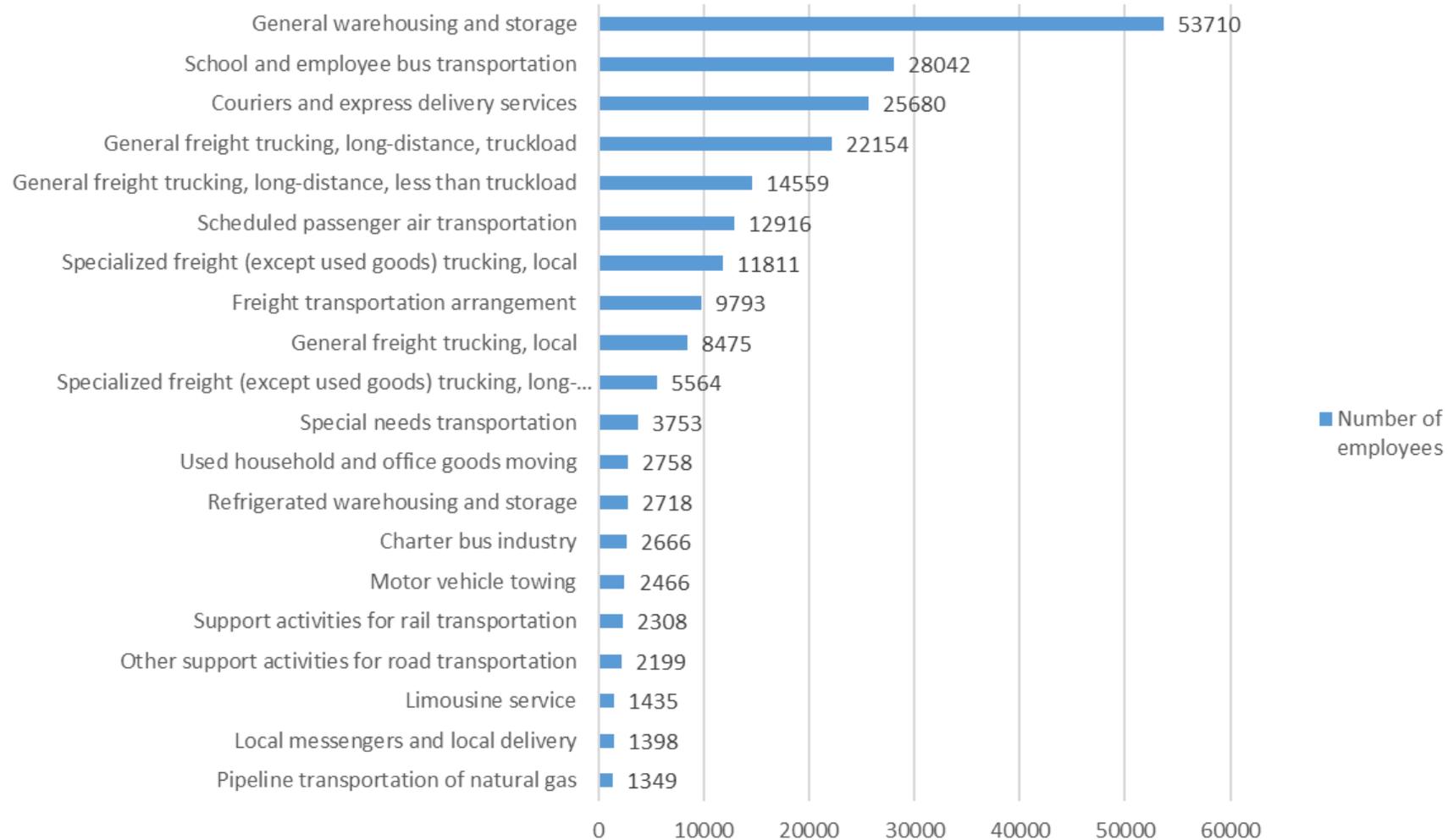
Learn more at census.gov/EconomicCensus

2017 Economic Census Geography Releases – Transportation and Warehousing for Pennsylvania

- **General freight trucking, long-distance, truckload: (NAICS code 484121)**
 - Number of firms = 1,214
 - Number of establishments = 1,415
 - Sales, value of shipments, or revenue (\$1,000) = \$4,757,928
 - Number of employees = 22,154
- **All other transit and ground passenger transportation : (NAICS code 485999)**
 - Number of firms = 38
 - Number of establishments = 39
 - Sales, value of shipments, or revenue (\$1,000) = \$29,291
 - Number of employees = 394

(Source: 2017 Economic Census, TableID: EC1748BASIC)

Transportation and Warehousing: Employment by Industry in Pennsylvania



Other facts for this sector at the national level:

Total Employment: **5,040,741 (10th)**; Average Annual Payroll per Employee: **\$48,687 (11th)**

Total Revenue: **\$908.9 billion (11th)**

Source: 2017 Economic Census

2017 ECONOMIC CENSUS

What Has Been Released by State?



States/sectors released as of March 26, 2020



1. Select a sector from this menu:

Transportation and warehousing (NAICS 48-49)

2. Hover over a state hexagon to access the state's sector data.



Size indicates percentage of sectors released.
Fully filled indicates 100 percent released for the state.

What's New for 2017

- Geographic Areas (Learn more at <https://www.census.gov/programs-surveys/economic-census/geographies.html>)
- NAICS updates (none for the Transportation and Warehousing sector for 2017)
- NAPCS (Learn more at <https://www.census.gov/programs-surveys/economic-census/guidance/understanding-napcs.html>)
- New disclosure rules
- Data.census.gov platform

Presenting...
Your 2017
Economic Census Data!



Found on
data.census.gov

Fun Facts

Data just released from the
2017 Economic Census

The 7,573 Transportation and Warehousing (NAICS 48-49) establishments in New Jersey reported revenue of \$30.9 billion in 2017.

www.census.gov/economiccensus

United States[®]
Census
Bureau

U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov



2017 Economic Census Planned Data Product Releases

Statistics Set	Report Title	Planned Release Date or Date Range
Core Business Statistics	Economy Wide Business Statistics for the U.S. - First Look	Sep-19
	Comparative Statistics for the U.S. (2012 NAICS Basis): 2017 and 2012	Dec-21
	Bridge Statistics for the U.S. (2012 NAICS Basis): 2017 and 2012	Dec-21
	Franchise	Dec-21
Geographic Area Statistics (U.S., States, and Selected Geographies)	Mining: Geographic Area Statistics	January 2020 - November 2020
	Construction: Geographic Area Statistics	
	Manufacturing: Geographic Area Statistics	
	Wholesale Trade: Geographic Area Statistics	
	Retail Trade: Geographic Area Statistics	
Product Statistics	Product Statistics: NAICS x NAPCS for the U.S. and States where applicable	Nov-20
	Product Statistics: NAPCS x NAICS for the U.S.	

Establishment and Firm Size Statistics	Report Title	Planned Release Date or Date Range
Establishment and Firm Size Statistics	Estab & Firm Size Summary Statistics by Revenue Size of Establishments	November 2020 - September 2021
	Estab & Firm Size Summary Statistics by Employment Size of Establishments	
	Estab & Firm Size Summary Statistics for Single Unit and Multiunit Firms	
	Estab & Firm Size Summary Statistics by Revenue Size of Firms	
	Estab & Firm Size Summary Statistics by Employment Size of Firms	
	Estab & Firm Size Summary Statistics by Concentration of Largest Firms	
	Estab & Firm Size Summary Statistics by Legal Form of Organization	
	Manufacturing: Detailed Statistics for the U.S.	
	Construction: Detailed Statistics for the U.S., Regions, and States	
	Mining: Detailed Statistics for the U.S.	
	Construction: Miscellaneous Subjects	
	Manufacturing: Miscellaneous Subjects	
	Services: Miscellaneous Subjects	
Wholesale Trade: Miscellaneous Subjects		
Retail Trade: Miscellaneous Subjects		

Commodity Flow Survey	Preliminary	Dec-18
	GAS, Hazardous Materials, Exports	Jul-20
Annual Survey of Manufactures	ASM 2018	Apr-20
	ASM 2019	Feb-21
	ASM Benchmark	Jun-21
	ASM 2020	Dec-21
	ASM 2021	Dec-22
Island Areas: Geographic Area Statistics	American Samoa	Jan-20
	CNMI	Jan-20
	Guam	Jan-20
	Puerto Rico	Dec-20
	US Virgin Islands	Jan-20
Island Areas : Subject Statistics	American Samoa	Jan-20
	CNMI	Jan-20
	Guam	Jan-20
	Puerto Rico	Dec-20
	US Virgin Islands	Jan-20
Island Areas : Product Statistics	American Samoa	Jan-20
	CNMI	Jan-20
	Guam	Jan-20
	Puerto Rico	Dec-20
	US Virgin Islands	Jan-20
Island Areas : Industry Series	Puerto Rico	Dec-20



Annual Business Survey

Annual Business Survey (ABS)

- Frequency – annually
- ABS first released estimates last September as an infographic. It included the number of minority-owned, women-owned, Hispanic-owned, and veteran-owned businesses – accessible from census.gov and linked here (<https://www.census.gov/programs-surveys/abs/library/visualizations.html>).
- Detailed tables for ABS are scheduled for release May 19, 2020
- Includes Economic and Demographic characteristics
- Business Characteristics of businesses and business owners by sex, ethnicity, race, and veteran status
- Content incorporates a new set of questions each survey year
- Access to data –

Access to the Annual Business Survey data



- data.census.gov
- <https://www.census.gov/programs-surveys/abs.html>

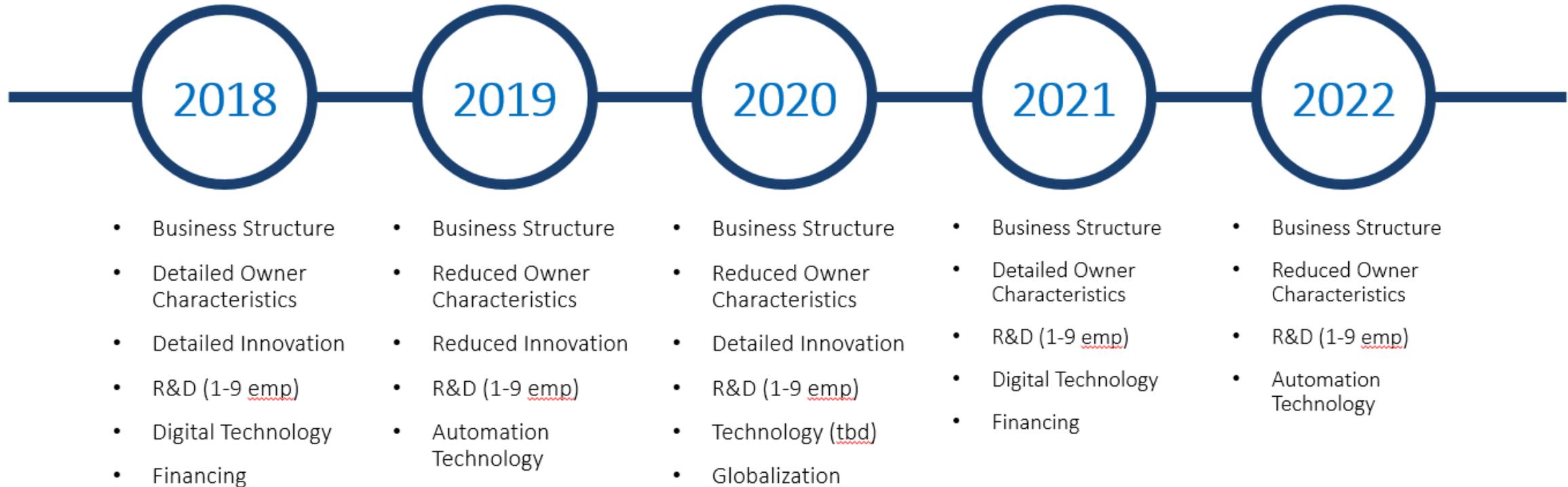
ABS Background

- Joint project between the Census Bureau and the National Science Foundation's (NSF) National Center for Science and Engineering Statistics (NCSES)
- Conducted annually as mandatory under Title 13
- Replaces Survey of Business Owners (SBO), Annual Survey of Entrepreneurs (ASE), and the Business R&D and Innovation Survey for Microbusinesses (BRDI-M)
- Also replaces the Innovation part of the Business R&D and Innovation Survey (BRDIS)

ABS Content

- Collects data on owner demographics
 - Ask questions about the owner's sex, race, ethnicity, and military status
- Collects data on research and development activity and cost for businesses with 1-9 employees
- Designed to introduce a new business topic each survey year
 - Innovation
 - Technology
- Core content maintained each survey year
- Use administrative data where feasible

Five-Year ABS Content Plan



Exploring Our Data Tools



Census Business Builder



Change Your Industry

Change Your Location

Select Map Variable

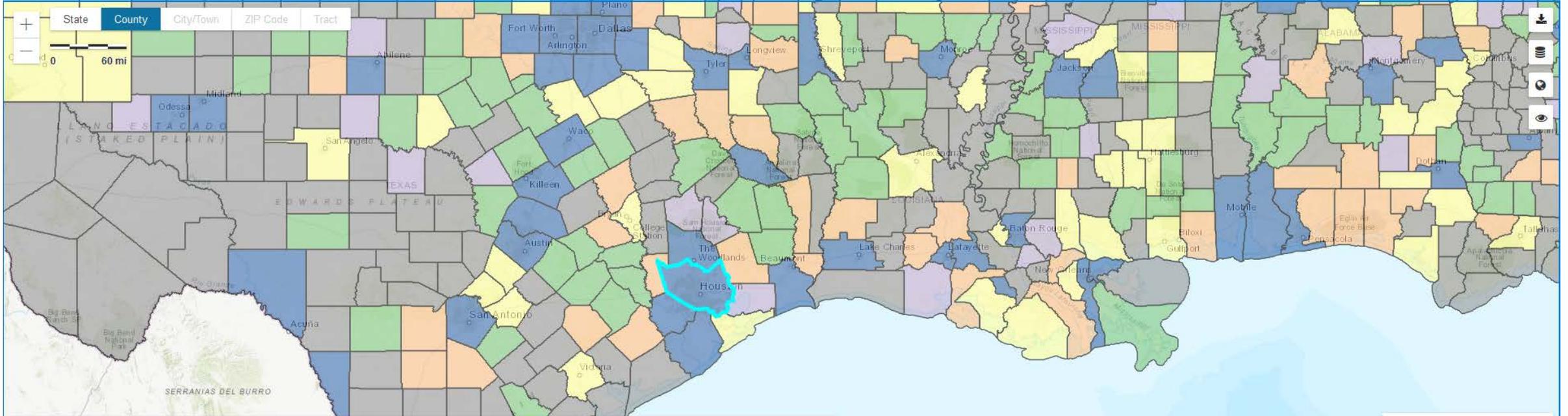
Select Your Filter

General Freight Trucking, Long-Distance

Harris County, Texas

All Employer establishments (Total)

Not Applied



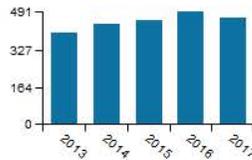
Harris County, Texas

All Employer establishments (Total)

468 (n/a)

All Employer establishments (Total) (MoE +/-)

Create Report



Geo hierarchy not presentable

\$60,146
Median household income (\$474)

★

54.7%
Homeownership rate (0.4%)

★

80.9%
Percent high school degree or higher (0.5%)

★

4,602,523
Total population (n/a)

★

All Employer establishments (Total)



Map Configuration
Default Scheme
Quantile Classing Method

United States Census Bureau
Change The Sector: Transportation and Warehousing
Change Your Location: Cherokee County, Texas
Select Map Variable: All Employer establishments (Total)
Select Your Filter: Average employment per employer (7 - 59...)

State
County
City/Town
ZIP Code
Tract

Region: My region

- Cherokee County, Texas
- Anderson County, Texas
- Trinity County, Texas
- Houston County, Texas

Create Region Report
Edit Region

Cherokee County, Texas

33 (n/a)

All Employer establishments (Total) (MoE +/-)

Create Report
Settings

All Employer establishments (Total)

Geo hierarchy not presentable

<p>\$60,376</p> <p>Average income (\$3,305)</p> <p>★ ✎</p>	<p>79.3%</p> <p>Percent high school degree or higher (3.1%)</p> <p>★ ✎</p>
<p>71.9%</p> <p>Homeownership rate (1.8%)</p> <p>★ ✎</p>	<p>51,903</p> <p>Total population (n/a)</p> <p>★ ✎</p>

All Employer establishments (Total)

- 80 - 540
- 32 - 46
- 22 - 31

Map Configuration

Default Scheme

Quantile Classing Method

Esri. HERE. Garmin. FAO. USGS. NGA. EPA. NPS
Powered by Esri



• https://cbb.census.gov/rae/#view=map&industry0=48-49&geoType=county&dataVariable=33¢erX=-10616271¢erY=3666558&level=9&geold=48073&dynHeader=My+region&dynGeo_county=48225-48455-48001-48073

American Community Survey

The American Community Survey is on the leading edge of survey design, continuous improvement, and data quality

- The nation's most current, reliable, and accessible data source for local statistics on critical planning topics such as age, children, veterans, commuting, education, income, and employment
- Surveys **3.5 million** addresses and informs over **\$675 billion** of Federal government spending each year
- Covers **40+ topics**, supports over **300** evidence-based Federal government uses, and produces **11 billion** estimates each year
- Three key annual data releases:
 - 1-year Estimates (for large populations)
 - 1-year Supplemental Estimates (for small populations)
 - 5-year Estimates (for very small populations)

Key Estimates from the ACS on Transportation related topics 2018:

Vehicles Used in Commuting:

Vehicles (Car, Truck, Van) used: **121,227,900**

- Male: **64,268,685**
- Female: **56,959,215**

Transportation Occupations:

Full-Time Employed: **4,022,139**

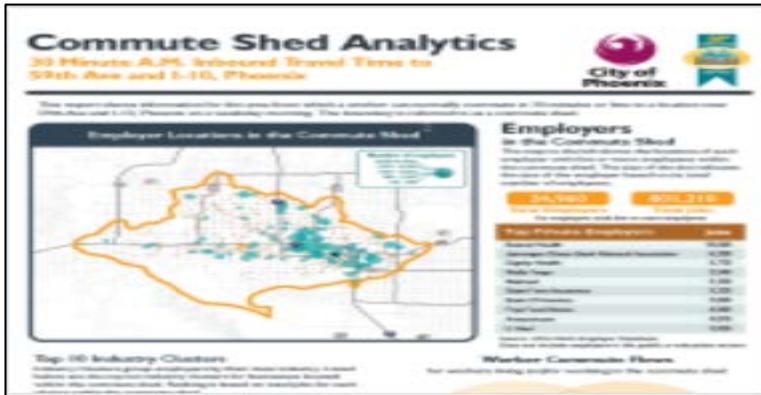
- Male: **3,609,389**
- Female: **412,750**

Median Earnings in Past 12 Months: **\$43,251**

Content Overview: Topics

POPULATION		HOUSING
SOCIAL Ancestry Citizenship Citizen Voting Age Population Disability Educational Attainment Fertility Grandparents Language Marital Status Migration School Enrollment Veterans	DEMOGRAPHIC Age Hispanic Origin Race Relationship Sex ECONOMIC Class of Worker Commuting Employment Status Food Stamps (SNAP) Health Insurance Hours/Week, Weeks/Year Income Industry & Occupation	Computer & Internet Use Costs (Mortgage, Rent, Taxes, Insurance) Heating Fuel Home Value Occupancy Plumbing/Kitchen Facilities Structure Tenure (Own/Rent) Utilities Vehicles Year Built/ Year Moved In

ACS Data In Action



Commute Shed Reports - Phoenix

- Maricopa Association of Governments use ACS data to create Commute Shed Reports.
- Commute Shed Reports show:
 - Workers can commute 30 min. or less to select locations
 - Resident and Employer data within a shed (age, education attainment, private employers, top industries, etc.)
- ACS and regional employer data is a valuable tool to inform economic development opportunities.



Evacuteer – New Orleans

- Emergency Management Planning after Hurricane Katrina using ACS.
- Evacuteer used ACS data to plan locations for 17 evacuation points.
 - Measured social vulnerability: Public Transportation, vehicle availability, disability status, age, poverty status, etc.

ACS Data Products

Estimated Population of Geographic Area	1-Year Estimates	1-Year Supplemental Estimates	5-Year Estimates
65,000 or more	X	X	X
20,000 to 64,999		X	X
Less than 20,000			X
Planned Release Date	September 17, 2020	October 15, 2020	December 10, 2020

<https://www.census.gov/programs-surveys/acs/news/data-releases/2019/release-schedule.html>

Exploring Our Data Tools



QuickFacts

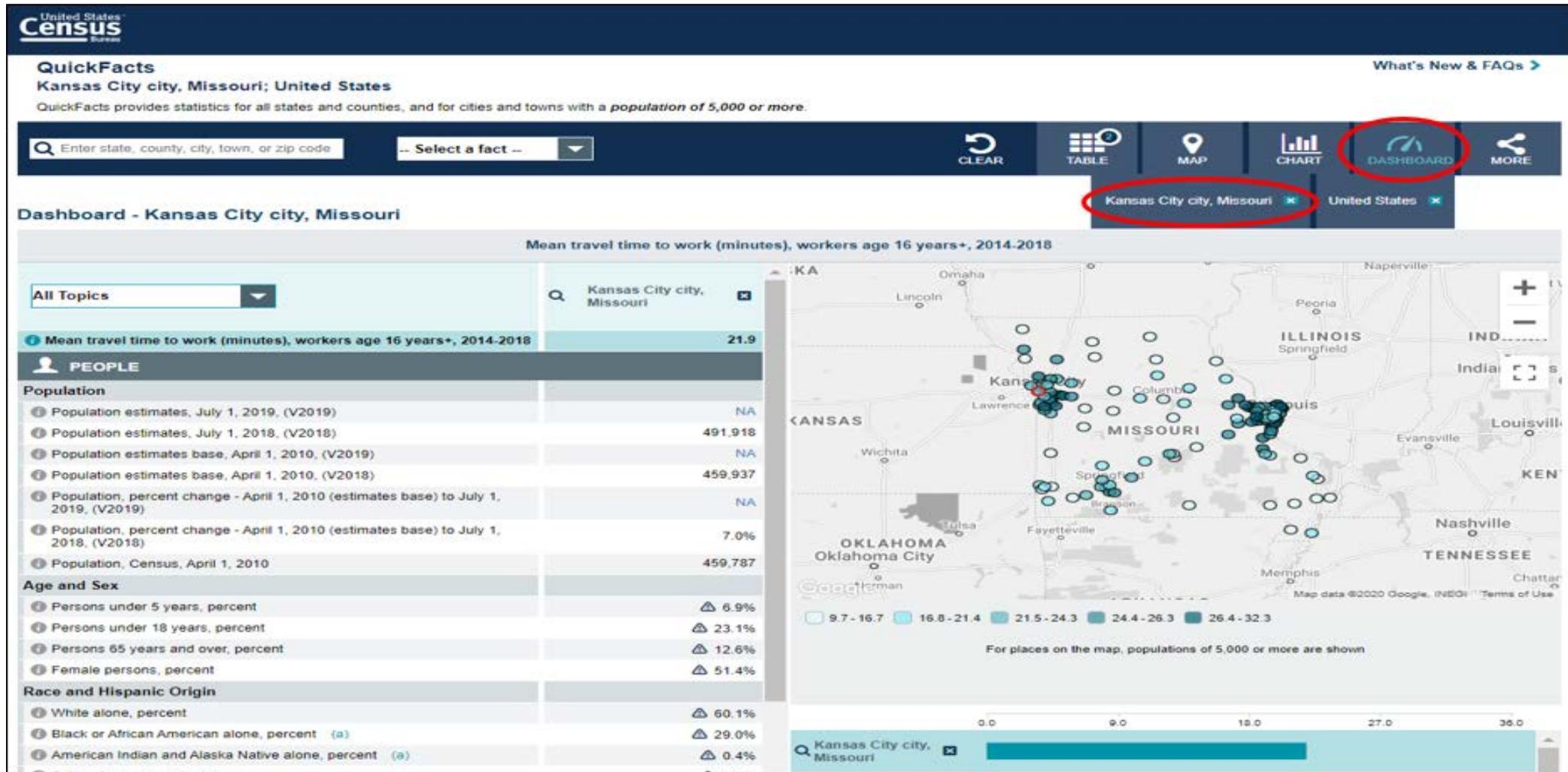
Example 1: Finding Commuting Times by Place Within a State

The screenshot shows the United States Census Bureau QuickFacts interface. At the top left is the logo for the United States Census Bureau. Below it, the text reads "QuickFacts" and "Kansas City city, Missouri; United States". A sub-header states: "QuickFacts provides statistics for all states and counties, and for cities and towns with a population of 5,000 or more." Below this is a search bar with the placeholder text "Enter state, county, city, town, or zip code" and a dropdown menu labeled "-- Select a fact --". To the right of the search bar are icons for "CLEAR", "TABLE", "MAP", "CHART", "DASHBOARD", and "MORE". The "TABLE" icon is highlighted with a red circle and a "2" in a circle. Below the search bar is a table with the following data:

All Topics	Kansas City city, Missouri	United States
<i>i</i> Mean travel time to work (minutes), workers age 16 years+, 2014-2018	21.9	26.6
PEOPLE		
Population		

census.gov/quickfacts

Example 1: Finding Commuting Times by Place Within a State



Exploring Our Data Tools



data.census.gov

Example 2: Live Demo - Finding Transportation Occupation Data by Sex



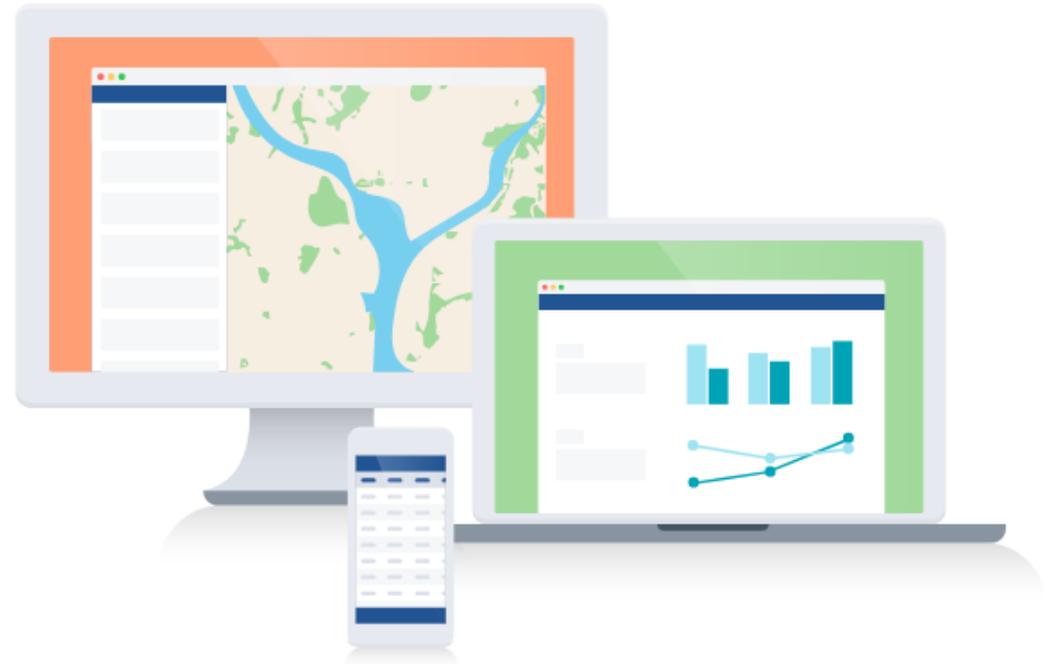
Explore Census Data

The Census Bureau is the leading source of quality data about the nation's people and economy.

[Advanced Search](#)

Send Feedback

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Example 2: Live Demo - Finding Transportation Occupation Data by Sex

The screenshot shows the United States Census Bureau search interface. At the top left is the logo and the text "United States Census Bureau". To the right is a search bar with a magnifying glass icon and the word "Search". Below this is a field for "Table ID (e.g., DP05)".

The main section is titled "Narrow search with filters" and includes a sub-section "FIND A FILTER" with a search input field containing "e.g. 336111 - Automobile Manufacturing" and a magnifying glass icon.

There are three columns of filter options:

- BROWSE FILTERS:** Topics, Geography, Years, Surveys, Codes. The "Topics" option is highlighted with a red arrow.
- TOPICS:** Business and Economy, Education, Employment, Families and Living Arrangements, Government, Health, Housing, Income and Poverty, Populations and People, Race and Ethnicity. The "Employment" option is highlighted with a red arrow.
- EMPLOYMENT:** Employment, Class of Worker, Commuting, Employment and Labor Force Status, Industry, Occupation, Work Experience, Work from Home. The "Occupation" option is checked with a blue checkmark and highlighted with a red arrow.

At the bottom left, the "Selected Filters:" section shows "Occupation" with a red 'x' icon to remove it. At the bottom right, there are two buttons: "CLEAR FILTERS" and "SEARCH", both highlighted with red boxes.

Example 2: Live Demo - Finding Transportation Occupation Data by Sex

The screenshot shows the United States Census Bureau website interface. At the top left is the logo for the United States Census Bureau. To the right is a search bar with a magnifying glass icon and the text 'Search'. Below the search bar are navigation tabs: 'ALL', 'TABLES', 'MAPS', and 'PAGES'. The 'ALL' tab is selected and underlined. Below the navigation is a text line that reads 'About 2,444 results | Filter'. The main content area is titled 'Tables' and lists three search results, each separated by a horizontal line. The first result is 'OCCUPATION BY SEX FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER', with 'Survey/Program: American Community Survey' and 'Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S2401'. The second result is 'OCCUPATION BY SEX FOR THE FULL-TIME, YEAR-ROUND CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER', with 'Survey/Program: American Community Survey' and 'Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S2402'. The third result is 'INDUSTRY BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER', with 'Survey/Program: American Community Survey' and 'Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S2405'. At the bottom right of the results area is a button with a red border that says 'VIEW ALL TABLES (58)'.

United States
Census
Bureau

Search

ALL TABLES MAPS PAGES

About 2,444 results | Filter

Tables

OCCUPATION BY SEX FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER
Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S2401

OCCUPATION BY SEX FOR THE FULL-TIME, YEAR-ROUND CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER
Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S2402

INDUSTRY BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER
Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S2405

VIEW ALL TABLES (58)

Example 2: Live Demo - Finding Transportation Occupation Data by Sex



Search

ALL
TABLES
MAPS
PAGES

OCCUPATION BY SEX FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

Survey/Program: American Community Survey Product: 2018: ACS 1-Year Estimates Subject Tables

TableID: S2401

[CUSTOMIZE TABLE](#)

58 Results [Filter](#) | [Download](#)

OCCUPATION BY SEX FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

Survey/Program: American Community Survey
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
 Table: S2401

OCCUPATION BY SEX FOR THE FULL-TIME, YEAR-ROUND CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

Survey/Program: American Community Survey
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
 Table: S2402

INDUSTRY BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

Survey/Program: American Community Survey
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
 Table: S2405

OCCUPATION BY CLASS OF WORKER FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

	United States					
	Total		Male		Percent Male	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
▼ Civilian employed popul...	156,783,165	+/-142,228	82,216,665	+/-86,762	52.4%	+/-0.1
▼ Management, busines...	60,488,289	+/-197,969	28,565,305	+/-117,414	47.2%	+/-0.1
▼ Management, busin...	24,450,164	+/-102,155	13,346,074	+/-66,978	54.6%	+/-0.1
Management occup...	15,917,316	+/-69,914	9,435,485	+/-48,803	59.3%	+/-0.2
Business and financ...	8,532,848	+/-63,863	3,910,589	+/-36,171	45.8%	+/-0.3
▼ Computer, engineeri...	9,479,155	+/-58,723	6,976,175	+/-49,854	73.6%	+/-0.2
Computer and math...	5,037,751	+/-38,302	3,707,554	+/-35,473	73.6%	+/-0.3
Architecture and en...	2,952,377	+/-31,483	2,476,598	+/-28,164	83.9%	+/-0.3
Life, physical, and s...	1,489,027	+/-24,482	792,023	+/-17,467	53.2%	+/-0.7
▼ Education, legal, co...	16,961,755	+/-88,243	5,880,249	+/-43,791	34.7%	+/-0.2
Community and soc...	2,695,438	+/-30,087	913,924	+/-16,850	33.9%	+/-0.5
Legal occupations	1,723,948	+/-22,146	836,211	+/-15,120	48.5%	+/-0.6
Educational instruct...	9,360,699	+/-61,382	2,511,072	+/-27,893	26.8%	+/-0.2
Arts, design, enterta...	3,181,670	+/-30,537	1,619,042	+/-21,118	50.9%	+/-0.4
▼ Healthcare practitio...	9,597,215	+/-53,683	2,362,807	+/-24,584	24.6%	+/-0.2
Health diagnosing a...	6,455,245	+/-47,473	1,653,351	+/-22,753	25.6%	+/-0.3

Example 2: Live Demo - Finding Transportation Occupation Data by Sex

United States Census Bureau

Search

// Search / Tables / S2401

OCCUPATION BY SEX FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

Survey/Program: American Community Survey TableID: S2401 Product: 2018: ACS 1-Year Estimates Subject Tables

Data Notes Selections Geographies Years 1 Topic Survey Code 123 Hide Filter Sort Transpose Table Margin of Error Restore Layout Download Print Share More Data Map

United States								
	Total		Male		Percent Male		Female	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Law enforcement w...	1,409,200	+/-22,940	1,170,797	+/-10,970	79.9%	+/-0.3	238,403	+/-9,027
Food preparation and ...	8,962,123	+/-61,788	4,085,969	+/-41,038	45.6%	+/-0.3	4,876,154	+/-41,293
Building and grounds ...	6,079,464	+/-49,843	3,622,333	+/-34,438	59.6%	+/-0.4	2,457,131	+/-32,241
Personal care and ser...	4,483,778	+/-40,070	1,084,953	+/-19,999	24.2%	+/-0.4	3,398,825	+/-34,089
▼ Sales and office occu...	33,556,165	+/-107,973	12,531,120	+/-63,877	37.3%	+/-0.1	21,025,045	+/-77,972
Sales and related occ...	15,829,132	+/-79,269	7,916,448	+/-51,482	50.0%	+/-0.2	7,912,684	+/-52,332
Office and administrat...	17,727,033	+/-85,758	4,614,672	+/-37,075	26.0%	+/-0.2	13,112,361	+/-71,879
▼ Natural resources, co...	13,843,390	+/-61,870	13,127,632	+/-59,247	94.8%	+/-0.1	715,758	+/-18,024
Farming, fishing, and f...	1,065,645	+/-19,810	810,893	+/-16,615	76.1%	+/-0.8	254,752	+/-9,590
Construction and extr...	8,078,273	+/-53,511	7,802,271	+/-50,944	96.6%	+/-0.1	276,002	+/-11,177
Installation, maintena...	4,699,472	+/-33,593	4,514,468	+/-33,048	96.1%	+/-0.1	185,004	+/-7,154
▼ Production, transport...	20,927,644	+/-72,964	15,914,130	+/-64,267	76.0%	+/-0.2	5,013,514	+/-40,408
Production occupatio...	8,866,602	+/-50,961	6,298,654	+/-47,226	71.0%	+/-0.3	2,567,948	+/-28,612
Transportation occup...	6,131,868	+/-47,064	5,232,007	+/-42,799	85.3%	+/-0.3	899,861	+/-17,301
Material moving occu...	5,929,174	+/-47,065	4,383,469	+/-42,981	73.9%	+/-0.4	1,545,705	+/-24,997

Example 3: Live Demo - Finding Vehicles Available

United States Census Bureau

Search

Table ID (e.g., DP05)

Narrow search with filters

FIND A FILTER

e.g. 336111 - Automobile Manufacturing

BROWSE FILTERS	TOPICS	HOUSING	OCCUPANCY CHARACTERISTICS
Topics	Business and Economy	<input type="checkbox"/> Housing	<input type="checkbox"/> Occupancy Characteristics
Geography	Education	<input type="checkbox"/> Absorption Rate	<input type="checkbox"/> Occupants Per Room
Years	Employment	Financial Characteristics	<input type="checkbox"/> Selected Household Characteristics
Surveys	Families and Living Arrangements	Health and Safety Characteristics	<input type="checkbox"/> Square Feet Per Occupant
Codes	Government	<input type="checkbox"/> Homeownership Rate	<input checked="" type="checkbox"/> Transportation
	Health	<input type="checkbox"/> Housing Units	
	Housing	New and Existing Units	
	Income and Poverty	Occupancy Characteristics	
	Populations and People	Owner/Renter (Householder) Characteristics	
	Race and Ethnicity	Physical Characteristics	
		Vacancy	

Selected Filters: Transportation

CLEAR FILTERS SEARCH

Example 3: Live Demo - Finding Vehicles Available

United States
Census
Bureau
Search

ALL
TABLES
MAPS
PAGES

About 13,694 results | [Filter](#)

Tables

SEX OF WORKERS BY VEHICLES AVAILABLE
 Survey/Program: American Community Survey
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: B08014

	United States	
	Estimate	Margin of Error
▼ Total:	153,149,746	+/-150,504
No vehicle available	6,520,602	+/-45,572
1 vehicle available	30,880,514	+/-104,845
2 vehicles available	61,695,350	+/-157,310
3 vehicles available	32,926,124	+/-136,060
4 vehicles available	14,141,800	+/-92,316
5 or more vehicles available	6,985,356	+/-75,893

AGGREGATE NUMBER OF VEHICLES (CAR, TRUCK, OR VAN) USED IN COMMUTING BY WORKERS 16 YEARS AND OVER BY SEX
 Survey/Program: American Community Survey
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: B08015

MEANS OF TRANSPORTATION TO WORK BY VEHICLES AVAILABLE
 Survey/Program: American Community Survey
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: B08141

VIEW ALL TABLES (23)

Example 3: Live Demo - Finding Vehicles Available

United States Census Bureau
Search

ALL
TABLES
MAPS
PAGES

NUMBER OF WORKERS IN HOUSEHOLD BY VEHICLES AVAILABLE
Survey/Program: American Community Survey
TableID: B08203

Product: 2018: ACS 1-Year Estimates Detailed Tables
Universe: Households

[CUSTOMIZE TABLE](#)

23 Results Filter | Download

Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
Table: B08015

MEANS OF TRANSPORTATION TO WORK BY VEHICLES AVAILABLE
Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
Table: B08141

HOUSEHOLD SIZE BY VEHICLES AVAILABLE
Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
Table: B08201

NUMBER OF WORKERS IN HOUSEHOLD BY VEHICLES AVAILABLE
Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
Table: B08203

MEANS OF TRANSPORTATION TO WORK BY VEHICLES AVAILABLE FOR WORKPLACE GEOGRAPHY
Survey/Program: American Community Survey
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010
Table: B08541

United States		
	Estimate	Margin of Error
▼ Total:	121,520,180	+/-153,217
No vehicle available	10,387,616	+/-47,909
1 vehicle available	39,542,810	+/-91,348
2 vehicles available	45,025,271	+/-109,998
3 vehicles available	17,902,301	+/-72,078
4 or more vehicles available	8,662,182	+/-41,908
▼ No workers:	32,166,355	+/-65,039
No vehicle available	5,889,068	+/-44,377
1 vehicle available	14,782,219	+/-46,338
2 vehicles available	8,659,636	+/-42,740
3 vehicles available	2,118,549	+/-16,323
4 or more vehicles available	716,883	+/-12,264
▼ 1 worker:	45,398,085	+/-112,922
No vehicle available	3,202,413	+/-31,163
1 vehicle available	20,333,925	+/-67,902
2 vehicles available	15,334,855	+/-63,889
3 vehicles available	4,805,499	+/-37,579
4 or more vehicles available	1,721,393	+/-19,391
▼ 2 workers:	35,282,342	+/-110,686
No vehicle available	1,036,223	+/-17,105

Example 3: Live Demo - Finding Vehicles Available

United States Census Bureau

Search

// Search / Tables / B08203

NUMBER OF WORKERS IN HOUSEHOLD BY VEHICLES AVAILABLE

Survey/Program: American Community Survey Universe: Households **TableID: B08203** Product: 2018: ACS 1-Year Estimates Detailed Tables

Data Notes Selections **Geographies** Years 1 Topic Survey Code 123 Hide Filter Sort Transpose Table Margin of Error Restore Layout **Download** Print Share More Data Map

	United States	
	Estimate	Margin of Error
∨ Total:	121,520,180	+/-153,217
No vehicle available	10,387,616	+/-47,909
1 vehicle available	39,542,810	+/-91,348
2 vehicles available	45,025,271	+/-109,998
3 vehicles available	17,902,301	+/-72,078
4 or more vehicles available	8,662,182	+/-41,908
∨ No workers:	32,166,355	+/-65,039
No vehicle available	5,889,068	+/-44,377
1 vehicle available	14,782,219	+/-46,338
2 vehicles available	8,659,636	+/-42,740
3 vehicles available	2,118,549	+/-16,323
4 or more vehicles available	716,883	+/-12,264
∨ 1 worker:	45,398,085	+/-112,922
No vehicle available	3,202,413	+/-31,163
1 vehicle available	20,333,925	+/-67,902
2 vehicles available	15,334,855	+/-63,889
3 vehicles available	4,805,499	+/-37,579
4 or more vehicles available	1,721,393	+/-19,391
∨ 2 workers:	35,282,342	+/-110,686

Example 4: Table B24010 – Sex By Occupation For The Civilian Employed Population 16 Years And Over

United States Census Bureau

Search

// Search / Tables / B24010

SEX BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

Survey/Program: American Community Survey Universe: Civilian employed population 16 years and over TableID: B24010 Product: 2018: ACS 1-Year Estimates Detailed Tables

Data Notes Selections Geographies Years 1 Topic Survey Code Hide Filter Sort Transpose Table Margin of Error Restore Layout Download Print Share More Data Map

	United States	
	Estimate	Margin of Error
▼ Total:	156,783,165	+/-142,228
▼ Male:	82,216,665	+/-86,762
▼ Management, business, science, and arts occupations:	28,565,305	+/-117,414
▼ Management, business, and financial occupations:	13,346,074	+/-66,978
▼ Management occupations:	9,435,485	+/-48,803
Top executives	1,597,973	+/-20,100
Advertising, promotions, marketing, sales, public relations and fundraising managers	564,195	+/-13,766
Financial managers	546,439	+/-11,942
Human resources managers	168,332	+/-6,880
Operations specialties managers except financial managers and human resources managers	1,051,910	+/-14,921
Farmers, ranchers, and other agricultural managers	474,197	+/-8,916
Other management occupations except farmers, ranchers, and other agricultural managers	5,032,439	+/-37,905
▼ Business and financial operations occupations:	3,910,589	+/-36,171
Human resources workers	230,709	+/-8,783
Other business operations specialists	2,104,828	+/-24,727
▼ Financial specialists:	1,575,052	+/-19,332
Accountants and auditors	797,482	+/-12,386
Other financial specialists	777,570	+/-14,701
▼ Computer, engineering, and science occupations:	6,976,175	+/-49,854
▼ Computer and mathematical occupations:	3,707,554	+/-35,473
▼ Computer occupations:	3,524,996	+/-34,662

Example 5: Table B24011 – Occupation By Median Earnings In The Past 12 Months For The Civilian Employed Population 16 Years And Over

United States
Census
Bureau

Search

// Search / Tables / B24011

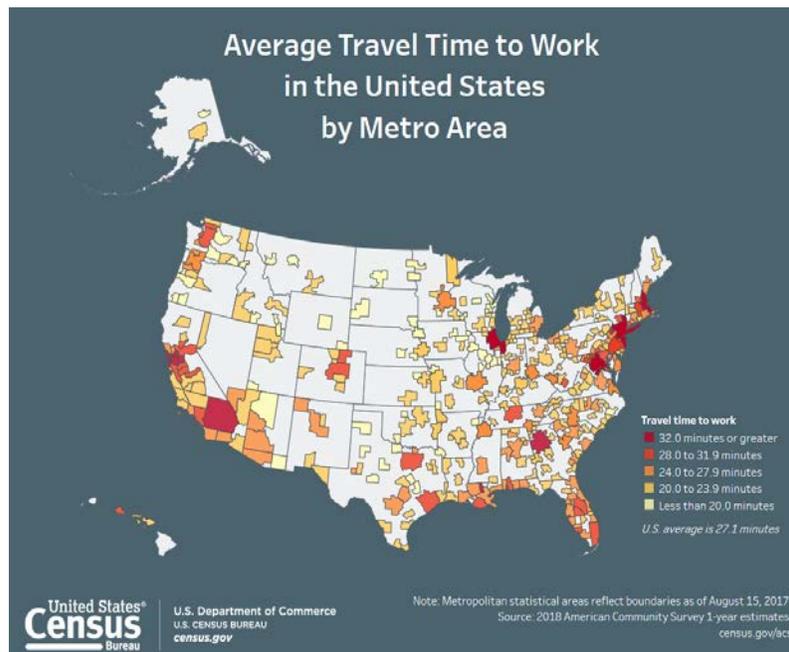
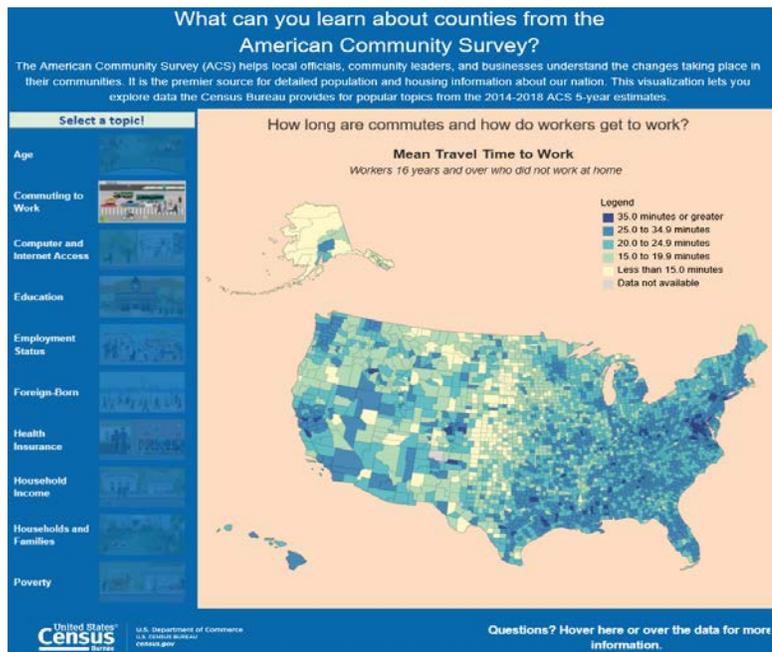
OCCUPATION BY MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2018 INFLATION-ADJUSTED DOLLARS) FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER

Survey/Program: American Community Survey Universe: Civilian employed population 16 years and over with earnings TableID: B24011 Product: 2018: ACS 1-Year Estimates Detailed Tables

Data Notes Selections Geographies Years Topic Survey Code Hide Filter Sort Transpose Table Margin of Error Restore Layout Download Print Share More Data Map

	United States	
	Estimate	Margin of Error
Firefighting and prevention, and other protective service workers includin...	31,952	+/-286
Law enforcement workers including supervisors	59,619	+/-1,060
Food preparation and serving related occupations	15,971	+/-106
Building and grounds cleaning and maintenance occupations	21,563	+/-103
Personal care and service occupations	17,679	+/-269
▼ Sales and office occupations:	31,772	+/-59
Sales and related occupations	30,902	+/-128
Office and administrative support occupations	32,238	+/-69
▼ Natural resources, construction, and maintenance occupations:	38,916	+/-279
Farming, fishing, and forestry occupations	23,398	+/-442
Construction and extraction occupations	37,418	+/-191
Installation, maintenance, and repair occupations	44,290	+/-492
▼ Production, transportation, and material moving occupations:	31,518	+/-63
Production occupations	35,407	+/-146
Transportation occupations	36,434	+/-221
Material moving occupations	23,596	+/-192

ACS Infographics & Visualizations



<https://www.census.gov/programs-surveys/acs/library/infographics.html>



AMERICAN COMMUNITY SURVEY DATA USERS GROUP

- Purpose:
 - Improve understanding of the value and utility of ACS data.
 - Promote information sharing among data users about key ACS data issues and applications.
- Includes users group website and online community
- ACS Data Users Conference
- Membership is free and open to all interested ACS data users

acsdatacommunity.prb.org

Data Tell Stories. Tell us Yours!

The screenshot shows the 'Share Your ACS Data Story' web form. At the top, there is a navigation bar with links for 'GEOGRAPHY', 'LIBRARY', 'DATA', and 'SURVEYS/PROGRAMS'. The main heading is 'American Community Survey'. Below this, the section is titled 'Share Your ACS Data Story'. The text reads: 'We want to hear about how you use American Community Survey (ACS) data! Did you or your organization use the ACS to make an important decision, help your community, open/expand a business, etc? If so, we are eager to learn more about your ACS data in action. Share your story by completing the fields below to help us showcase the value of the ACS. Need help getting started? Check out featured examples from our current collection of ACS data stories.' There is a red asterisk indicating a required field. The form has three main sections: 'Your Story *' with the instruction 'Tell us how you use ACS data.' and a large text input area; 'Outcome *' with the instruction 'Tell us about any outcomes or decisions that you or your organization have made based on ACS data. For example: selecting a location for a \$250 million department store distribution center that brought 4,000 jobs to Denver, CO.' and a text input area with a scroll bar. Three circular callout images are overlaid on the right side of the form: a bookshelf, a hand holding a tablet displaying a world map and bar chart, and a hand holding a bar chart.

Your story

Your data details

Your outcome

census.gov/acs/www/share-your-story

Q & A and Thank You!

Contact Information:

Barbara Zamora-Appel

301-763-4863

Barbara.g.zamora-appel@census.gov

American Community Survey Office

1-800-923-8282

Acso.users.support@census.gov

For detailed questions concerning the 2020 Decennial, contact:

301-763-INFO or 800-923-8282

To schedule additional training with a Census Data Dissemination

Specialist in your area, please call **844-Ask-Data**

Or email us at: census.askdata@census.gov



Reference Materials

North American Industry Classification System (NAICS)

www.census.gov/eos/www/naics

- A hierarchical classification system that groups establishments into industries based on the business activities in which they are primarily engaged.
- A comprehensive system covering the entire field of business activities.
- Used to collect, tabulate, analyze, and disseminate statistics.
- A common language used among the United States, Canadian, and Mexican statistical agencies
- Updated every five years

NAICS Hierarchy

Level	Code	Description
Sector	51	Information
Subsector	515	Broadcasting (except Internet)
Industry Group	5151	Radio and Television Broadcasting
Industry	51511	Radio Broadcasting
U.S. Industry	515112	Radio Stations

