Census Has Business Data? The 2017 Economic Census and Tools

Annual NM Data Users Conference 2019 November 14th, 2019

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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 Census of Governments identifies the scope and nature of the nation's state and local government sector
 - The Economic Census the official five-year measure of American business
- Our mission is to serve as the leading source of quality data about America's people, places, and economy.









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



The Economic Census (EC)

- NAICS: 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: Provides data at the national, state, metro area, county, and place levels
- Other Dimensions: Data by business size, Franchise status, etc.
- Over 200 data variables shown, including variables like the number of establishments, employment, payroll, and sales plus sector-specific variables (inventories, assets, expenses, etc.)
- Product Lines data
- Released on data.census.gov, Census Business Builder, and other Census tools

Also have related data based on the race, ethnicity, gender, and veteran status of the business owner in the *Survey of Business Owners* and the *Annual Survey of Entrepreneurs*



For a preview of the key changes, view our recorded webinar at <u>https://www.census.gov/data/academy/webinars/2019/2017-econ-census.html</u>.

+ 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

DATA FROM THE

NATION'S BUSINESSES





Key Changes in the 2017 Economic Census

- Geographic area changes (counties, places, metros)
- North American Industry Classification System (NAICS) changes (new codes, changed codes)
- The New North American Product Classification System (NAPCS) (replaces old "Product Lines" tables)
- Other changes
 - Dropped and Changed "Miscellaneous Subjects" tables
 - New Disclosure Rules (and their impacts)
 - New Data.census.gov dissemination platform



Geographic Area Changes for 2017 EC

- 15 states had metro areas (CBSAs) with some type of change
- 3 states had counties with some type of change
 - Alaska, South Dakota, and Virginia
- Every state had economic place changes (16,349 Places and parts; 58% changed)
 - 4,891 Places with Area Gain
 - 3,976 Places with Area Loss
 - 125 Places where their code and/or name changed
 - 442 New Economic Places
 - 171 Dropped Economic Places
- Island Areas
 - No metro changes for Puerto Rico, no county- or place-equivalent changes for any of the other 4 island areas (U.S. Territories)

Visit <u>https://www.census.gov/programs-surveys/economic-</u> census/geographies.html for more information



Geographic Area Changes for New Mexico

- New Ruidoso Micro Area (made up of Lincoln County)
- 104 economic place changes
 - 46 Places with Area Gain
 - 53 Places with Area Loss
 - 2 Places where their name changed
 - Rio Communities
 - Kirtland

Added **Places** (Cross-over place parts highlighted in blue) COUNTY PLACE TITLE TITLE Code Code 031 McKinley County 18940 Crownpoint CDP 67450 San Felipe Pueblo CDP 043 Sandoval County 70810 Santo Domingo Pueblo CDP

Dropped Places

דודו ב	PLACE	
	Code	
Cross-Over Place Total	14950	Chimayo CDP
Dia Arriba County	14950	Chimayo CDP
RIO ATTIDA COUTLY	21390	Dulce CDP
Santa Fe County	14950	Chimayo CDP
Taos County	61710	Ranchos de Taos CDP
	TITLE Cross-Over Place Total Rio Arriba County Santa Fe County Taos County	TITLEPLACE CodeCross-Over Place Total14950Rio Arriba County149502139021390Santa Fe County14950Taos County61710



Visit <u>https://tigerweb.geo.census.gov/tigerwebecon/</u> for online map

resources to better understand the changes



- The standard used by US Federal statistical agencies to classify businesses
- Developed by OMB, <u>Statistics Canada</u>, and <u>Mexico's stat agency</u> (INEGI)
- Helps ensure statistical comparability across North American countries
- Adopted in 1997 and updated every 5 years (see the 2017 NAICS Manual)
- Types of Changes
 - One-to-One (Recode), Many-to-One (Combo), Many-to-Many, and One-to-Many (Splitters) (none for 2017)



NAICS Changes for 2017

2012

Visit the NAICS website for more information (<u>https://www.census.gov/eos/www/naics/</u>)

• Mining

NAICS Code	2012 NAICS U.S. Description	NAICS Code	2017 NAICS U.S. Description		
211111	Crude Petroleum and Natural Gas Extraction				
	crude petroleum extraction	211120	Crude Petroleum Extraction		
	natural gas extraction	211120	Natural Cas Estruction		
211112	Natural Gas Liquid Extraction	211130 Natural Gas Extraction			
212231	Lead Ore and Zinc Ore Mining	212220	Conner Nickel Load and Zine Mining		
212234	Copper Ore and Nickel Ore Mining	212250	copper, Nickel, Lead, and Zinc Mining		

2017

• Retail Trade

• Manufacturing

	2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
4	152111	Department Stores (except Discount Department Stores)		
4	152112	Discount Department Stores	452210	Department Stores
		insignificant perishable grocery sales		
T		significant perishable grocery sales	450211	Warehouse Clubs and Supercenters
4	152910	Warehouse Clubs and Supercenters	452511	warehouse clubs and supercenters
4	152990	All Other General Merchandise Stores	452319	All Other General Merchandise Stores
4	454111	Electronic Shopping		
4	454112	Electronic Auctions	454110	Electronic Shopping and Mail-Order Houses
4	454113	Mail-Order Houses		

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
333911	Pump and Pumping Equipment Manufacturing		Measuring, Dispensing, and Other Pumping
333913	Measuring and Dispensing Pump Manufacturing	333914	Equipment Manufacturing
335221	Household Cooking Appliance Manufacturing		
335222	Household Refrigerator and Home Freezer Manufacturing		
335224	Household Laundry Equipment Manufacturing	335220	Major Household Appliance Manufacturing
335228	Other Major Household Appliance Manufacturing		



NAICS Changes for 2017 (cont.)

• Information

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
512210	Record Production		
512220	Integrated Record Production/Distribution	512250	Record Production and Distribution
517110	Wired Telecommunications Carriers	517311	Wired Telecommunications Carriers
517210	Wireless Telecommunications Carriers (except Satellite)	517312	Wireless Telecommunications Carriers (except Satellite)

• Real Estate & Rental & Leasing

	2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
	532220	Formal Wear and Costume Rental	532281	Formal Wear and Costume Rental
	532230	Video Tape and Disc Rental	532282	Video Tape and Disc Rental
	532291	Home Health Equipment Rental	532283	Home Health Equipment Rental
	532292	Recreational Goods Rental	532284	Recreational Goods Rental
on	532299	All Other Consumer Goods Rental	532289	All Other Consumer Goods Rental

•	Professional,	Scientific,	and ⁻	Technical	Services
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2012 2012 NAICS	2017 2017 NAICS 53		53229	2 Recreationa	l Goods Rental	532284 Recreational Goods Rental		
NAICS U.S. Description	Code	U.S. Description	53229	532299 All Other Consumer Goods Rental		532289 All Other Consumer Goods Rental		
541711 Research and Development in Biotechnology								
nanobiotechnologies research and experimental development laboratories	541713	Research and Development in Nanotechnology						
except nanobiotechnologies research and experimental development laboratories	541714	Research and Development in Biotechnology (ex	cept Nan	biotechnology)				
541712 Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)								
nanotechnology research and experimental development laboratories	541713	Research and Development in Nanotechnology						
except nanotechnology research and experimental development laboratories	541715	Research and Development in the Physical, Engin	neering, a	nd Life Sciences				
		(except Nanotechnology and Biotechnology)						



North American Product Classification System (NAPCS)

- Product Lines provide a more detailed breakout of the products made and sold and services provided by businesses
- 2012 Economic Census Product Lines Data
 - Mining and Manufacturing
 - Product lines data shown at the 6- thru 10-digit product code levels
 - Construction
 - Data by Kind of Business and Type of Construction shown in place of product lines
 - Other Sectors
 - Show data at the broad (end in "0") and detailed lines

• 2017 Economic Census NAPCS Data

• Will make it easier to compare data across sectors

Visit the NAPCS website and Concordance Tables for more information (<u>https://www.census.gov/programs-</u> <u>surveys/economic-census/guidance/understanding-</u> <u>napcs.html</u>)



Other Changes for 2017

- "Structural" Product Changes
 - New "First Look" release
 - Preliminary National data only for 2- thru selected lower level NAICS detail (will be superseded by data in later reports
 - Establishment & Firm Size releases
 - Consolidated into 7 tables (separate tables in 2012)
 - Size categories standardized across sectors
 - Adjustments to Miscellaneous Subjects tables
 - 38 tables dropped and 7 tables added
 - Class of Customer, Enterprise Support, and Exported Services no longer separate releases by sector

2017 Economic Census Planned Data Product Releases

Publication Series	Report Title	Planned Release Date or Date Range	
Core Business Statistice	Economy Wide Business Statistics for the U.S First Look	September 2019	
	Comparative Statistics for the U.S. (2012 IVAICS Basis): 2017 and 2012	December 2021	
	Bridge Statistics for the U.S. (2012 NAICS Basis): 2017 and 2012	December 2021	
	Franchise	December 2021	
Geographic Area Statistics	Mining: Geographic Area Statistics	January 2020 - November	
(U.S., States, Metro Areas, Counties, and Places)	Construction: Geographic Area Statistics	2020	
. ,	Manufacturing: Geographic Area Statistics		
	Wholesale Trade: Geographic Area Statistics		
	Retail Trade: Geographic Area Statistics		
	Services: Geographic Area Statistics		
Subject Series : Products North American Product	Product Lines: NAICS \ensuremath{x} NAPCS for the U.S. and States where applicable	November 2020	
Classification System (NAPCS)	Product Lines: NAPCS x NAICS for the U.S.		





Other Changes for 2017 (cont.)

• New Disclosure Rules

- NAICS and Geographic levels published in Geographic Area tables
 - No Place-level data for Manufacturing
 - Published levels for other sectors may be reduced based on response rates, data quality, suppression rules, and other factors
- Economic Census of Island Areas
 - Releases will mirror the U.S. data tables as much as possible (consolidated)
- New Data.census.gov dissemination platform

Geographic Coverage for the Economic Census

"X" denotes geographic coverage in the 2017 Economic Census.

Sector	U.S./States	Metro Areas	Counties	Places	ZIP Codes
Mining	x				
Utilities	x	х	x	х	
Construction	x				
Manufacturing	x	x	x	x	
Wholesale Trade	x	x	x	x	
Retail Trade	x	x	x	x	x
Transportation and Warehousing	x	х	x	x	
Information	x	x	x	x	
Finance and Insurance	x	х	x	х	
Real Estate and Rental and Leasing	x	х	x	x	
Professional, Scientific, and Technical Services	x	х	x	х	x
Management of Companies and Enterprises	x				
Administrative and Support and Waste Management and Remediation Services	x	x	x	x	x
Educational Services	x	x	x	x	x
Health Care and Social Assistance	x	х	х	х	x
Arts, Entertainment, and Recreation	x	х	x	х	x
Accommodation and Food Services	x	х	х	х	x
Other Services (Except Public Administration)	x	x	x	x	x



Where to Access the 2017 Economic Census Data

QuickFacts

The local Charles and						U.S. De	partment of Commerce	Blogs Index A-Z	Glossery FAC
Census	TOPICS Population, Economy	GEOGRAPHY Maps, Products	LIBRARY Infographics, Publications	DATA Tools, Developers	SURVEYS/PROGRAMS Respond, Survey Data	NEWSROOM News, Blogs	ABOUT US Our Research	Search	c
QuickFacts UNITED STATES								What's New	& FAQs >
QuickFacts provides statistics for	or all states and counties, and for ci	ities and towns with a	population of 5,000 or me	ore.					
Q Enter state, county, city, tow	m, or zip code S	elect a fact	•					TABLE	More
Table									
	All Topics					UNITED STATES			
	All Topics O Population estimates,	July 1, 2017, (V201	7)			UNITED STATES	325,719,178		
	All Topics O Population estimates, PEOPLE	July 1, 2017, (V201	7)			UNITED STATES	325,719,178		

Industry Statistics Portal (ISP)



SELECT AN INDUSTRY

- 21 Mining, quarrying, and oil and gas extraction
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing 42 - Wholesale trade
- 42 Wholesale trade 44-45 - Retail trade
- 48-49 Transportation and warehous
- 51 Information
- 52 Finance and insurance
- 53 Real estate and rental and leasing
 54 Professional, scientific, and technical services



This application provides access to the Census Bureau programs that provide economic data for a user-selected industry. To choose the industry you are interested in:

Enter the 2012 North American Industry Classification System (NAICS) code or keyword into the NAICS
 SEARCH box above, or

Choose the industry from the SELECT AN INDUSTRY menu to the left.

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Census Business Builder



Census Runna

Explore Census Data

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

Q I'm looking for ...

Advanced Search

Send Feedback

cedsci.feedback@census.gov







Guiding Principles

- Easy to use
- **Customer focused**
- Provide access to Census data and more
 - BLS, USDA, & third party
- Leverage existing Census investments
 - Esri, API
- Use latest technology
 - Cloud
- Provide for free

CBB Home Page https://www.census.gov/data/data-tools/cbb.html



Census

Small

Business

and

Regional

Analyst

Editions

Industry Selection

Choose the type of business to research via the "Most Popular" buttons...

1. What type of business do you want to research?



... or via the Industry Search





CBB: SBE "Splash Page"

Census Business Builder: Small Business Edition - 2.6

Privacy Act Statement FAQs Send Feedback

Determine the Best Location for Your Business

1. What type of business do you want to research?

Census

Select the type of business you want to research by either selecting it first from the "Most Popular" categories below (and the detailed list provided) or by using the Type of Business Search. (You must



Q Industry Title, Keyword, or NAICS Code





2. Where are you considering locating the business?

Powered by the U.S. Census Bureau and Esri. For help using this tool (including tutorial flyers and FAQs), see the CBB Home Page © 2017 U.S. Census Bureau, U.S. Department of Commerce. Learn more about other Census Bureau data by visiting the Census Home Page

CBB: SBE "Splash Page"





When have selected both an Industry and Geography, Go To Map and Create Report buttons will activate

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Location Selection

Menu Bar 🚽

Use the options in this menu to change the:

- Kind of business being researched
- Location being researched (You don't have to return to the Splash Page to change these.)

You can also use this menu to change the:

- Variable (data item) displayed on the map)
- Variable(s) used to filter the geographic areas shown on the map

CBB: SBE "Map Page"





Map Variables Menu: Data in CBB



Demographic Data from the American Community Survey 5-Year Estimates

Annual Employer and Nonemployer Business Data from CBP, Nonemployer Statistics, EC, SBO, the Census of Ag (USDA), and International Trade Report

Quarterly Employer Business Data from the BLS Quarterly Census of Employment and Wages (NEW)

Workforce Data from the Quarterly Workforce Indicators

Annual Employer Data by Business Size and Worker Age from CBP and QWI (NEW)

Residential Building Permits Data from the Building Permits Survey

Consumer Spending Data from Esri



Map Dashboard

This panel displays:

- The value for the selected variable and the geographic area highlighted on the map (plus the variable title and margin of error)
- Bar charts comparing the variable over time and by geography (e.g. County to State to Nation)
- 4 additional (and customizable) data variables

The dashboard can be minimized using the arrow icon in the upper right corner and Customized using the "gear" icon just to the left.

CBB: SBE "Map Page"





CBB: SBE "Map Page"



Census Bureau

Map Buttons

These buttons allow the user to:

 Download the data displayed in the visible map to a CSV or Excel file

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- Add Reference Layers to the map from either a preselected Gallery, a ShapeFile, or a Map Service
- Change the basemap from the default Topographic map to Imagery or Dark
- Change the map transparency so that the base map is more or less visible

CBB: SBE "Map Page"



Map Legend

-

The legend displays the data range values for each of the displayed map classes.

The Map Configuration "gear icon" allows the user to change the:

- Map color palette from the default 5 color option to 2 and 3 color options
- Map classing scheme from the default Quantiles method to Equal Intervals

(To learn more about the Map Configuration settings, click on the blue "i" icon.)



Geographic Levels Menu and Zoom Buttons

This menu allows the user to change the level of the geographic areas shown on the map from what was first selected on the Splash Page to 4 other levels.

The Zoom buttons allow the user to zoom the map in and out. Note that some geographic levels are only selectable at certain zoom levels (e.g. you need to zoom in first to view ZIP and Tract level data.)

The Zoom level also impacts the geographic labels (like ZIP Codes) displayed on the map.

Note that the map can also be panned with a mouse.

CBB: SBE "Map Page"





CBB: SBE "Map Page"



Filter Menu

This menu allows the user to choose the areas shown on the map based on data values of up to 5 variables.

First, the user selects the variable from a menu that's similar to the map variables menu.

Next, the user chooses the min and/or max values for the variable.



Finally, the user applies the filter; the map repaints to show just the geographic areas that meet the criteria chosen.

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Note: Map can be **bookmarked** for sharing with others





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CBB: RAE "Splash Page"





Location Selection

CBB: RAE "Map Page"

Region Panel

This panel is used to build a region of 2 or more areas. The areas can be made up of up to 24 states, counties, cities/towns, ZIP Codes, and/or Census Tracts.

To build a region, first click on the Edit Region button. Then select the areas you want to build your region from. You can select them either by clicking on the map or by using the Drawing Tools (NEW).

You can also name your region in the My Region box.

Region: 🚯 My	region						
Long Beach city, California							
Remove All Regions	✓ Done E	diting					
Draw Tools 🕄							
Draw Rectangle	Draw Circle	Draw Polygon					





CBB: RAE Reports

There are 2 different reports in RAE. Clicking on the Create Region Report button in the Region panel creates a report that summarizes the data for all of the states, counties, cities/towns, or ZIP Codes that make up your region.

Clicking on the Create Report button in the Dashboard creates a report for just one of the states, counties, cities/towns, or ZIP Codes that make up your region.

You can also navigate from the Region report to the individual reports using the hyperlinks in the cover sheet (NEW).

Inited States



What's Coming in December (version 3.0)

• Data Updates for many programs

- New data
- More data
- Platform Updates
 - Improved performance
 - Ability to view more data on the map at a time
 - Automatic filter
- Shapefile Download option
- Build your region in RAE via Shapefile Upload option



Q & A and Thank You!

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