



Manufacturing Data from the U.S. Census Bureau

October 3rd, 2017

Overview

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 - Establishments vs. Companies
 - Employers vs. Nonemployers
- Manufacturing Data
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Key Economic Terms and Concepts

- Privacy and Confidentiality
 - U.S. Codes Title 13 and Title 26
- North American Industry Classification System (NAICS)
 - Data are provided by Industry
- Establishments or Companies
 - Our collection/tabulation level
- Employers or Nonemployers
 - Most programs only cover employers





Privacy and Confidentiality

- [U.S. Title 13](#) and [U.S. Title 26](#)
 - Provides the authority to collect information from the public in our surveys
 - Private information is never published, directly or through our tabulations
 - Personal information cannot be used against respondents by any government agency or court
 - Census Bureau employees are sworn to protect confidentiality

North American Industry Classification System (NAICS)

www.census.gov/eos/www/naics

11	Agriculture, Forestry, Fishing and Hunting	53	Real Estate and Rental and Leasing
21	Mining, Quarrying, and Oil and Gas Extraction	54	Professional, Scientific, and Technical Services
22	Utilities	55	Management of Companies and Enterprises
23	Construction	56	Administrative and Support and Waste Management and Remediation Services
31-33	Manufacturing	61	Educational Services
42	Wholesale Trade	62	Health Care and Social Assistance
44-45	Retail Trade	71	Arts, Entertainment, and Recreation
48-49	Transportation and Warehousing	72	Accommodation and Food Services
51	Information	81	Other Services (except Public Administration)
52	Finance and Insurance	92	Public Administration

NAICS Hierarchy

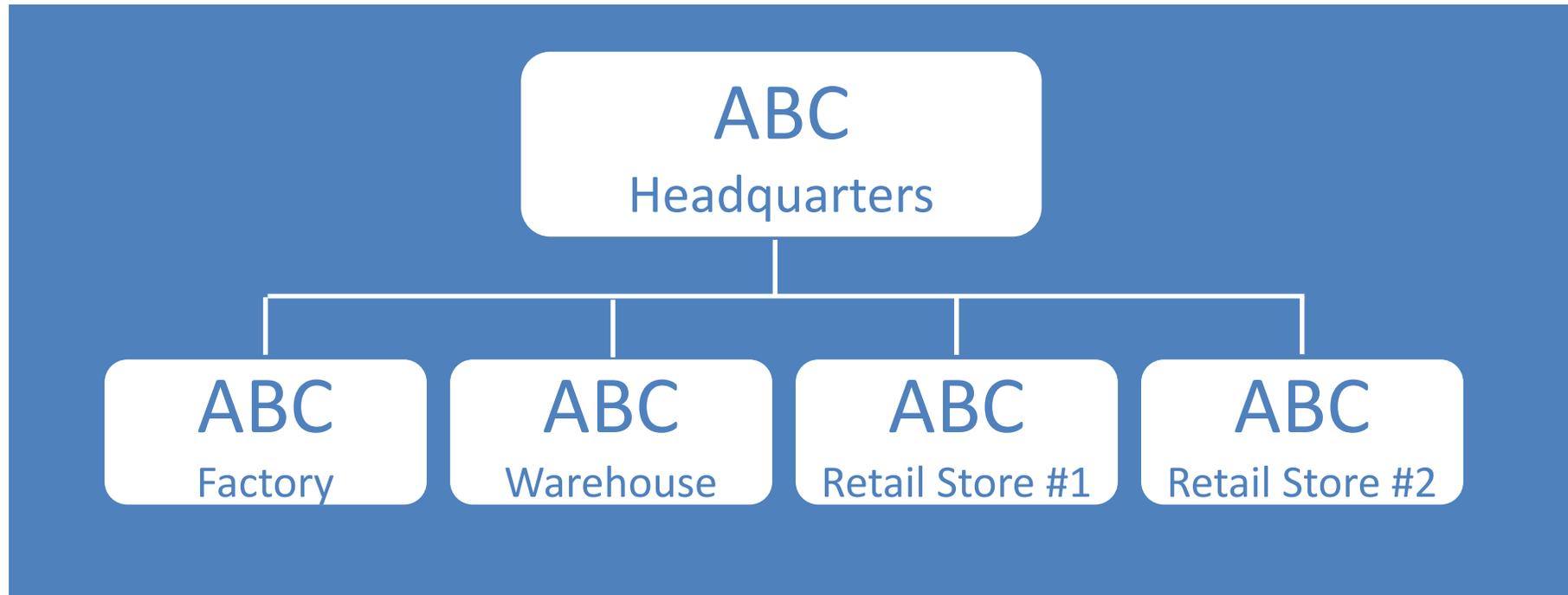
Level	Code	Description
Sector	31-33	Manufacturing
Subsector	336	Transportation equipment manufacturing
Industry Group	3361	Motor vehicle manufacturing
Industry	33611	Automobile and light duty motor vehicle manufacturing
U.S. Industry	336111	Automobile manufacturing



Establishments vs. Companies

Establishment - A store, warehouse, factory, or other type of business at a single physical location

Company (or Firm) - One or more establishments under common ownership or control





Employers vs. Nonemployers

Employers

- Businesses with one or more paid employees

Nonemployers

- Businesses with no paid employees
- Make up about 3/4 of all US businesses but less than 5% of business receipts/revenue

Categories for Economic Data

- Industry (business activity)
- Product (what business makes or sells)
- Geography (where business located)
- Time Period (period covered)
- Other Organizational Levels (business size, tax status, legal form of organization, etc.)
- Data Items (employment; payroll, sales; value of shipments, receipts; and revenue; inventories; capital expenditures; product lines, etc.)





Economic Data

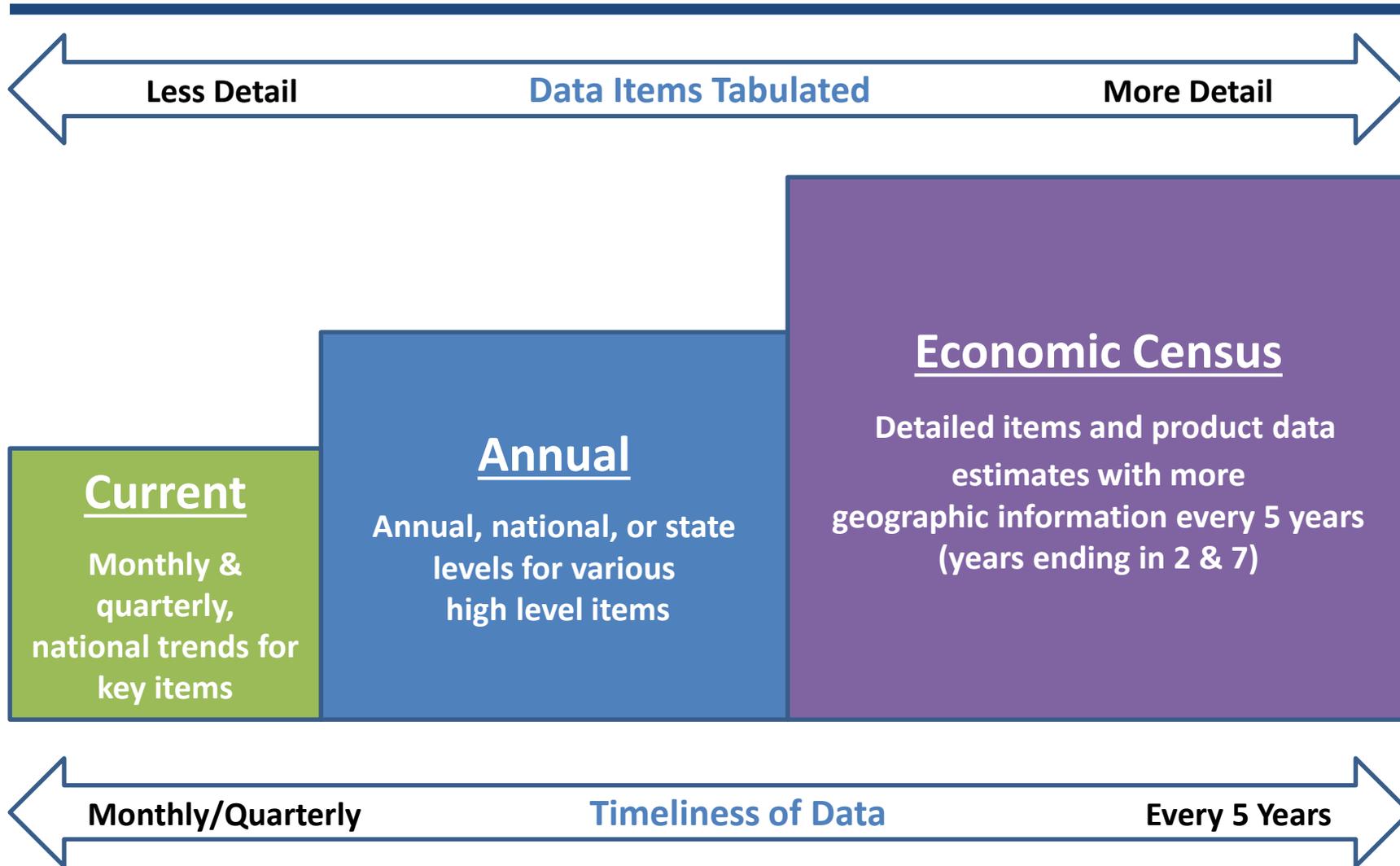


Major Economic Data Users

- **Bureau of Economic Analysis (BEA)**
- **White House**
 - Council of Economic Advisors
- **Federal Reserve Board**
 - Monetary Policy
- **Congress**
- State and Local Governments
- Press
- Investors
 - Move Markets
- Business owners
- Retailers
- Manufacturers
- Realtors
- Entrepreneurs
- Service providers
- Students
- Teachers
- Researchers
- Economists
- Community leaders
- Other Government Organizations
- **YOU**



Economic Data





Economic Indicators

www.census.gov/economic-indicators

- Provide monthly and quarterly data that are **timely, reliable**, and offer comprehensive measures of the U.S. economy
- Fewer data items than annual surveys and the Economic Census
- Collected at the company or company reporting unit level
- National level statistics

Economic Indicators

www.census.gov/economic-indicators

- **Monthly**

- [Advance Report on Durable Goods Manufacturers' Shipments, Inventories, and Orders](#)
- [Manufacturers' Shipments, Inventories, and Orders](#)
- [Monthly Wholesale Trade](#)
- [Advance Monthly Sales for Retail Trade and Food Services](#)
- [Manufacturing and Trade Inventories and Sales](#)
- [New Residential Construction](#)
- [New Residential Sales](#)
- [Construction Spending or Value of Construction Put in Place](#)
- [U.S. International Trade in Goods and Services](#)

- **Quarterly**

- [Quarterly Financial Report – Manufacturing, Mining, Wholesale Trade, and Selected Service Industries](#)
- [Quarterly Financial Report – Retail Trade](#)
- [Quarterly Services Survey](#)
- [Housing Vacancies and Homeownership](#)



Manufacturers' Shipments, Inventories, and Orders (M3)

<https://www.census.gov/manufacturing/m3/index.html>

Provides early broad-based monthly statistical data on current economic conditions and indications of future production commitments in the domestic manufacturing sector

Items collected:

- Value of Shipments
- Value of New Orders (Net of Cancellations)
- Value of Order Backlogs (Unfilled Orders)
- Value of Total Inventories and their stages of fabrication:
 - Materials and Supplies Inventories
 - Work in Process Inventories
 - Finished Goods Inventories
- The Bureau of Economic Analysis (BEA) uses M3 data to make GDP estimates and compiles the principal economic indicator series
- Other government agencies, corporate economists, trade associations, news media, academia, investment consultants, and researchers use M3 data for analysis and forecasting of future economic conditions
- Data are provided by NAICS industry group at the national level

Manufacturers' Shipments, Inventories, and Orders (M3)

<https://www.census.gov/manufacturing/m3/index.html>

The Monthly Advance Report on Manufacturers' Shipments, Inventories and Orders -

- Principal Economic Indicator
- Reports only on Durable Goods
- Available about 18 working days after each month
- Recently released on **September 27th**

The Full Report on Manufacturers' Shipments, Inventories and Orders

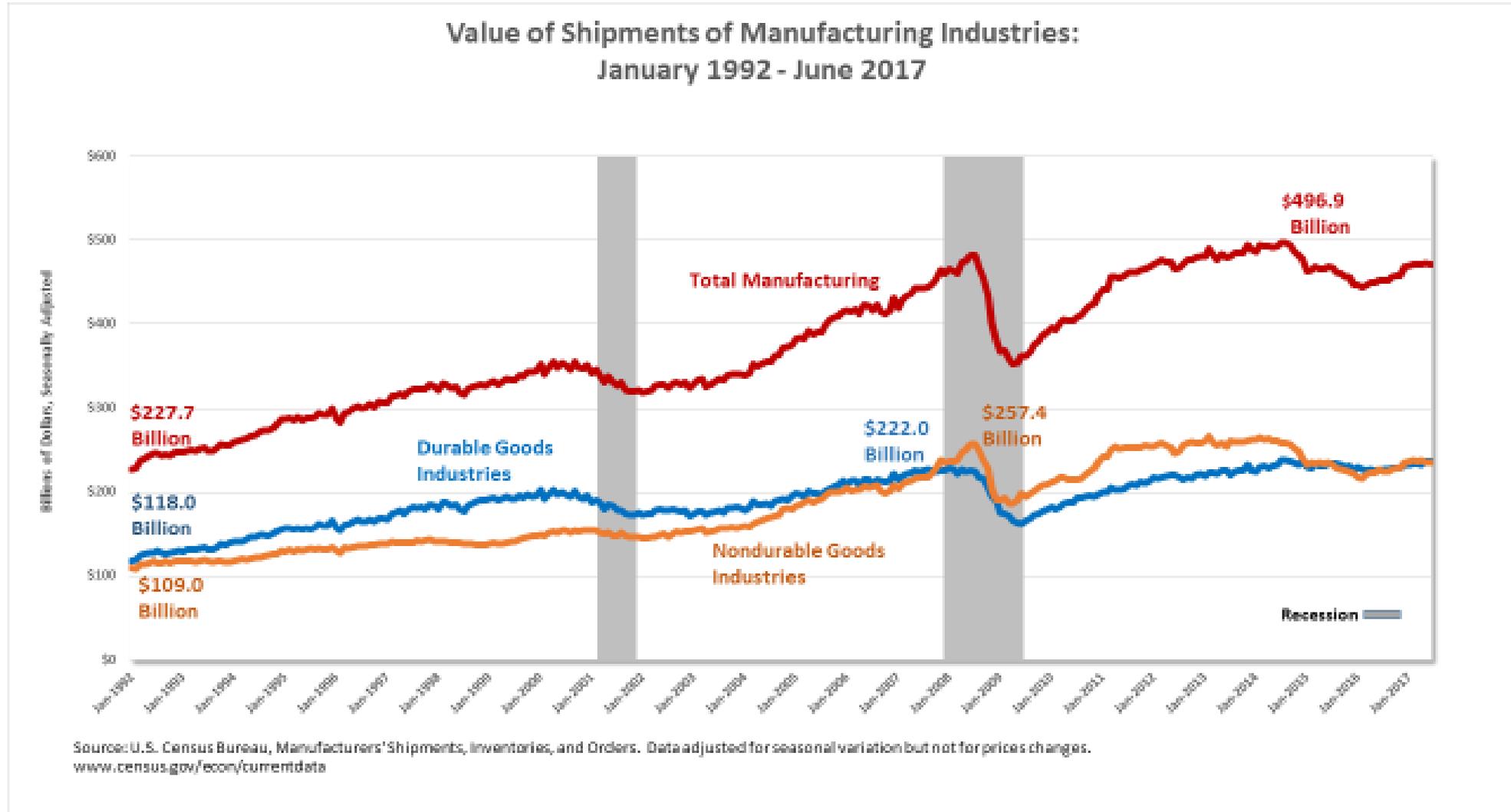
- Economic Indicator
- Durable and Nondurable Goods
- Available about 23 working days after each month
- Next release will be **October 5th for August 2017**

U.S. Census Bureau Economic Indicators		
 Advance Report Durable Goods July 2017 Report Released 8:30 AM EDT, 8/25/17	\$229.2 B New Orders	↓ [□] -6.8%
 New Residential Sales July 2017 Report Released 10:00 AM EDT, 8/23/17	571,000 Single-family houses	↓ [*] -9.4%
 Selected Services Revenue	\$3,685.1 B	↑

[View All](#) * change not statistically significant
□ significance not reported / applicable

Manufacturers' Shipments, Inventories, and Orders (M3)

<https://www.census.gov/manufacturing/m3/index.html>



Manufacturing & Trade Inventories & Sales (MTIS)

<https://www.census.gov/mtis/index.html>

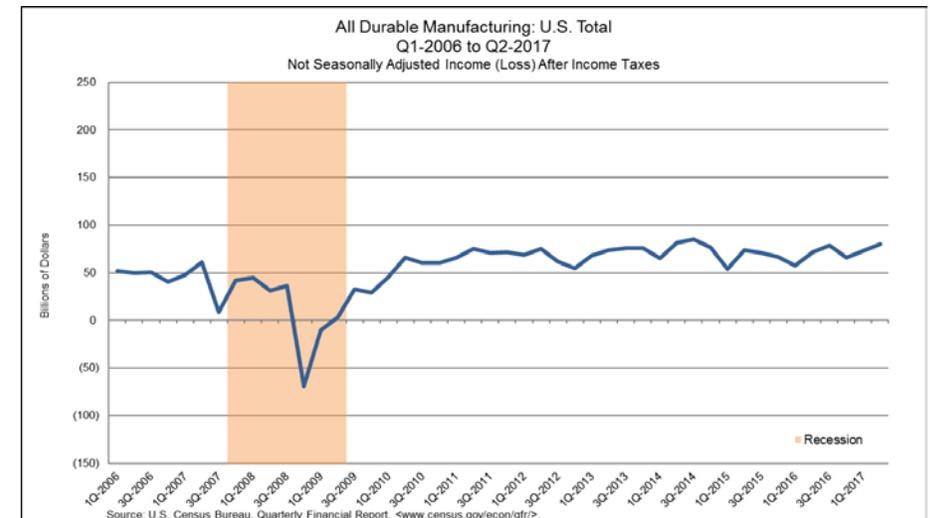
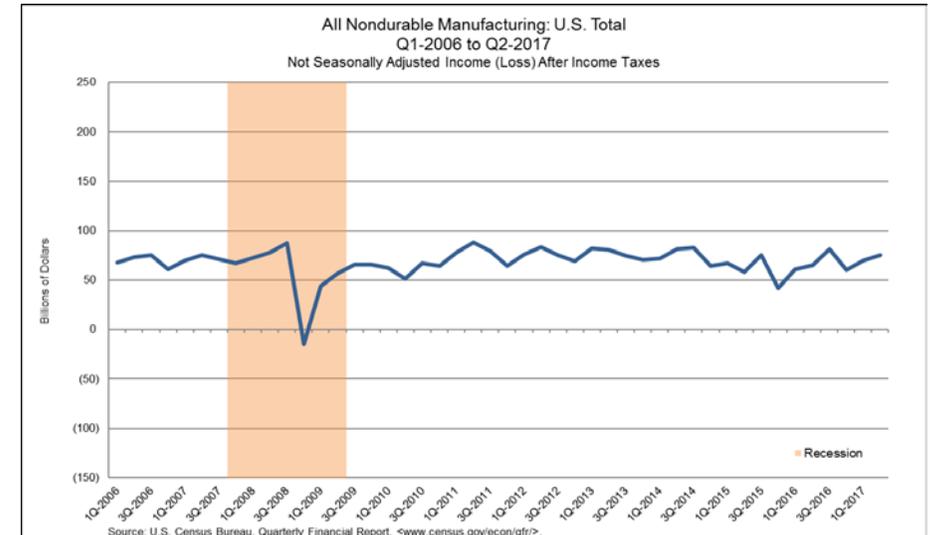
- Estimates in the report are based on data from three surveys:
 - Manufacturers' Shipments, Inventories, and Orders Survey (M3)
 - Monthly Retail Trade Survey (MRTS)
 - Monthly Wholesale Trade Survey (MWTS)
- Released approximately 43 days after close of reference month
 - **Next release – October 13th with August 2017 data**
- Preliminary current month estimates and final data for previous month
- Data Items include:
 - Total Business Sales
 - Total Business Inventories
 - Inventories/Sales Ratios

Quarterly Financial Report (QFR)

<https://www.census.gov/econ/qfr/>

Manufacturing, Mining, Wholesale Trade, Retail Trade & Selected Service Industries (Second Quarter 2017 data released September 6th)

- Corporate financial conditions of privately and publicly held non-financial corporations
 - 63 data points including: sales, profits, assets, liabilities, stockholders' equity, and related accounts and ratios
 - Data published at the 3 or 4 NAICS digit level
 - Small, medium, and large corporations
 - Released approximately 75 days after the end of quarters 1, 2, & 3
90 days after quarter 4
- Sample survey of approximately 13,000 companies, with approximately 7,500 in manufacturing
 - Participant Corporations
 - Manufacturing - \$250,000 in assets
- Integral to the calculation of the Gross Domestic Income (GDI) and Gross Domestic Product (GDP) by the BEA
- Government agencies and companies use QFR data in the preparation of estimates and projections of corporate profits and financial condition, and for business cases for financing & loans





Questions



Annual Data

www.census.gov/econ

- More detail data are collected and tabulated in our annual surveys than in the current surveys
- Provides national or state level statistics
- Provides Year-to-Year Comparisons

- **Industry Data** www.census.gov/econ
 - [Building Permits](#)
 - [Characteristics of New Housing](#)
 - [Annual Survey of Manufactures](#)
 - [Management and Organizational Practices Survey \(MOPS\)](#)
 - [Annual Wholesale Trade Survey](#)
 - [Annual Retail Trade Survey](#)
 - [Service Annual Survey](#)
- **Multi Industry Data – Across more than 1 Industry**
 - [County Business Patterns](#)
 - [Nonemployer Statistics](#)
 - [Statistics of US Businesses](#)
 - [Annual Capital Expenditures Survey](#)
 - [Annual Survey of Entrepreneurs](#)
 - [E-Commerce Statistics \(E-STATS\)](#)



Annual Survey of Manufactures (ASM)

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

- The ASM provides sample estimates of statistics for all manufacturing establishments in NAICS Sector 31-33 with one or more paid employees
- Survey sample of approximately 50,000 manufacturing establishments
 - New sample drawn every 5 years
- 100% electronic data collection
- Published annually, except for years ending in 2 and 7, at which time the data are included in the manufacturing sector of the Economic Census
 - The correlation and consistency between the ASM and the Economic Census maintain the time series
- Used to measure annual U.S. manufacturing industry outputs, inputs, and operating status



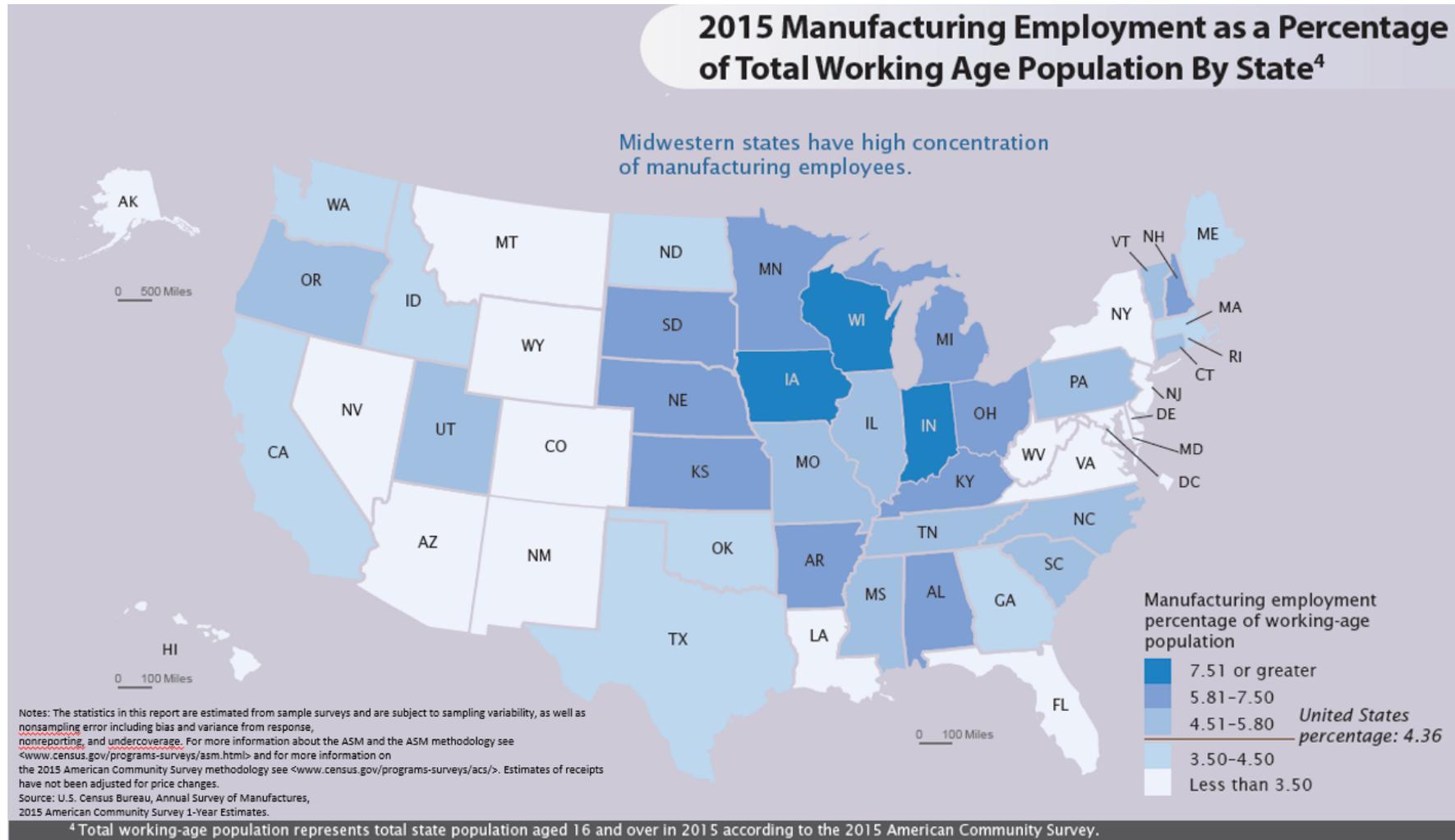
Annual Survey of Manufactures (ASM)

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

- Industry Statistics – Presents comprehensive national industry data on statistics including employment, payroll, value of shipments and receipts for services, cost of materials, operating expenses, energy use, value added by manufacturing, capital expenditures
- Geographic Area Statistics - Presents state statistics including, employment, payroll, and shipments and receipts for services at varying NAICS code levels
- Product Statistics - Presents national statistics on product shipments at the 6- digit and 7-digit NAICS product class levels for almost 1,400 manufactured products (ex. peanut butter, gloves and mittens and toothpaste)
- Industry-Product Analysis - Presents the breakout of primary and secondary products by NAICS industry.

Annual Survey of Manufactures (ASM)

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





Management and Organizational Practices Survey (MOPS)

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

- The National Bureau of Economic Research, the Massachusetts Institute of Technology and Stanford University provide support for this survey.
- Provides information on manufacturing management and organizational practices by state, region, industry, employment size, and establishment age
- Provides information to better understand the current state and evolution of management and organizational practices and assist in forecasting future productivity growth
- The Management and Organizational Practices Survey is a supplement to the Annual Survey of Manufactures (ASM) and is performed every 5 years



County Business Patterns (CBP)

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

- Provide Number of Establishments, employment, first quarter payroll, and annual payroll presented by geographic area, 2- through 6-digit NAICS industry, legal form of organization, and employment size class
- Data are provided at the 2- thru 6-digit NAICS code levels for all sectors, including Manufacturing. NAICS industries excluding crop and animal production, rail transportation, National Postal Service, private households, and public sectors are provided
- Data are provided for National, State, Metro, County, ZIP code, and congressional district geographic areas
- Include statistics for businesses with paid employees for Puerto Rico, U.S. Virgin Islands, American Samoa, Guam, and the Northern Mariana Islands
- Useful for studying the economic activity of small areas and analyzing economic changes over time



Nonemployer Statistics

<https://www.census.gov/programs-surveys/nonemployer-statistics.html>

- Provide annual statistics for businesses with no paid employees or payroll, are subject to federal income taxes, and have receipts of \$1,000 or more within the U.S
- Data are shown at the National, State, Metro Area, and County levels
- Cover most NAICS industries excluding crop and animal production; investment funds, trusts, and other financial vehicles; management of companies and enterprises; and public administration
- Data are shown at the 2- thru 4-digit and selected 5- and 6-digit NAICS code levels for all sectors. at a detailed geographic and industry level
- Data are also provided by legal form of organization (U.S. and state only), receipts, and receipts-size class of establishments (U.S. level only)



Statistics of U.S. Businesses

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

Statistics of U.S. Businesses are special tabulations sponsored by the Small Business Administration

- Data sources are County Business Patterns (CBP), the Census Bureau's Business Register, and the Economic Census
- Provide annual statistics for businesses with paid employees within the U.S. at a national and detailed geographic and industry level
- Cover most NAICS industries excluding crop and animal production, rail transportation, National Postal Service, private households, and public sectors
- Data include the number of firms, number of establishments, employment, and annual payroll presented by geographic area, 6-digit NAICS industry, legal form of organization, and employment size class
 - In Economic Census years, estimated receipts in Economic Census are provided



Annual Capital Expenditures Survey (ACES)

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

Data from the Annual Capital Expenditures Survey:

- Provide detailed information on capital investment in structures and equipment by nonfarm enterprises
- Provides expenditures on
 - New and Used Structures
 - New and Used Equipment
 - Capitalized Computer Software
 - Capital Leases
- Provides expenditures information by NAICS Industry
- Provides the only comprehensive estimates of annual U.S. capital expenditures data covering all domestic non-farm businesses and detailing investments by type and industry



Annual Survey of Entrepreneurs

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

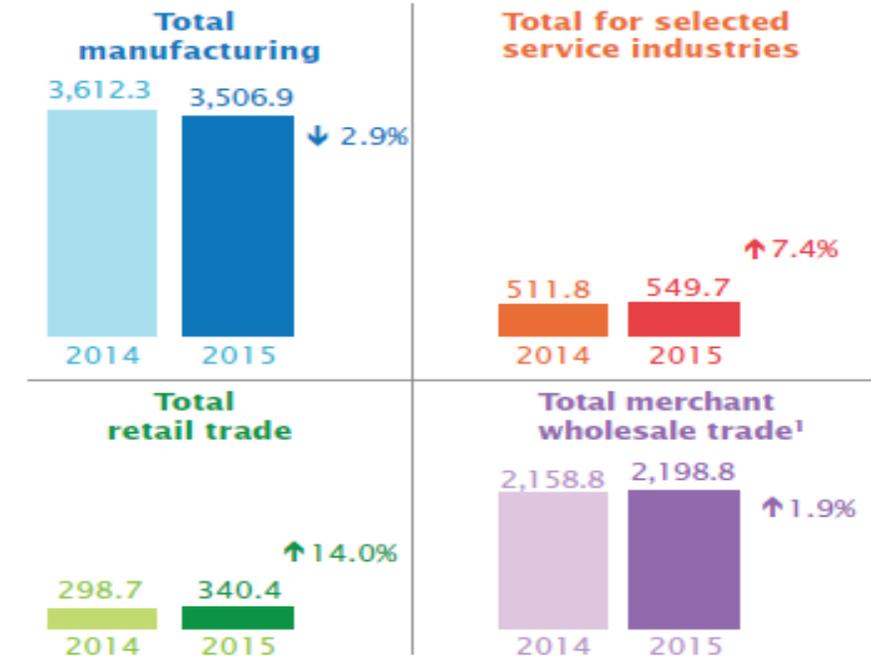
- Joint effort between Kauffman Foundation, Minority Business Development Agency (MBDA) and the U.S. Census Bureau for reference years 2014, 2015, and 2016
- Provides business and business owner characteristics estimates on firms, receipts, payroll, and employment by gender, ethnicity, race, and veteran status annually by NAICS industry
- Provides information that allows researchers and businesses to understand the
 - Innovation and research and development activities conducted by entrepreneurs
 - Record-keeping and management practices implemented by entrepreneurs
 - Data users to understand time-series data in certain industries for entrepreneurs
 - Business owners or perspective business owners to gain knowledge about the funding of businesses

E-Commerce Statistics (E-STATS)

<https://www.census.gov/programs-surveys/e-stats.html>

- E-Stats provide e-commerce statistics on value of shipments, sales and revenues for four sectors of the economy. (Manufacturing, Wholesale Trade, Retail Trade, and Services)
- Report is published annually, contains national level data w/historical data available from 1998

Figure 1.
**E-commerce Total Shipments/Sales/
Revenues: 2014–2015**
(In billions of dollars)



¹ Total merchant wholesale trade including manufacturers' sales branches and offices.

Note: For the estimates of e-commerce total shipments, sales, and revenues, measures of sampling variability can be found at <www.census.gov/data/tables/2015/econ/e-stats/2015-e-stats.html>.

Source: U.S. Census Bureau, 2015 Annual Survey of Manufactures; 2015 Annual Wholesale Trade Survey; 2015 Service Annual Survey; and 2015 Annual Retail Trade Survey.



Economic Census

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

- Surveys nearly 4 million businesses, including large, medium and small companies representing all U.S. and Island Area locations and industries
- Conducted once every five (5) years for years ending in 2 and 7
- Profiles the U.S. economy from the national to the local level
- Collects data from the business establishments of companies
- **Most detailed** information on the structure of the economy
- Data from Economic Census provide framework for measures
 - Calculation of Gross Domestic Product
 - Calculation of National Income and Product Accounts
- Most recent Economic Census is from 2012

Economic Census

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

The Economic Census provides over **200** statistics about manufacturing businesses in NAICS Sector 31-33

- **Industry Statistics** – Presents comprehensive national industry data on statistics including **number of establishments**, employment, payroll, value of shipments and receipts for services, cost of materials, operating expenses, energy use, value added by manufacturing, capital expenditures which are available at the 2- through 6-Digit NAICS code level
- **Geographic Area Statistics** – These data include the **number of establishments**, employment, payroll, and shipments and receipts for services at the 2- through **6-digit** NAICS code level and are provided for areas including state, county, and place
 - State-level supplemental data, like fringe benefits, inventories and purchased electricity are shown at the 2-digit NAICS level
- **Product Statistics** - Presents national statistics on product shipments at the 6-, 7- and **10-digit** NAICS product code levels for **over 4,300** manufactured products (ex. peanut butter, gloves and mittens and toothpaste)
- **Industry-Product Analysis** - Presents the breakout of primary and secondary products at the **7-digit** NAICS code product level in each 6-digit NAICS code industry. This is only available at the National Level

Economic Census

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

The U.S. Census Bureau conducts an economic census every 5 years. The Economic Census provides a comprehensive and detailed profile of the U.S. economy, covering millions of businesses representing more than 1,000 industries and providing unique portraits of American industries and local communities. Economic census statistics serve as part of the framework for the national accounts and provide essential information for government, business, and the general public. The 2012 Economic Census measured the economic activity of approximately 297,000 manufacturing establishments in the United States.



2012 U.S. Manufacturing Establishments		
United States	California	Los Angeles County, California
Employment was 11.3 million	Made up 10.3 percent of U.S. employment	Made up 3.2 percent of U.S. employment
Payroll was \$593.7 billion	Made up 11.7 percent of U.S. payroll	Made up 3.3 percent of U.S. payroll
Value of shipments was \$5.8 trillion	Made up 8.9 percent of U.S. value of shipments	Made up 2.8 percent of U.S. value of shipments

*Source: U.S. Census Bureau, 2012 Economic Census, Manufacturing, Geographic Area Series.

The information collected from establishments in the Manufacturing Sector of the Economic Census produces basic statistics by industry for number of establishments, payroll, employment, value of shipments, value added, capital expenditures, depreciation, materials consumed, selected purchased services, electric energy used, and inventories held. All dollar values are expressed in current dollars, i.e., they are not adjusted for price changes. The statistics presented include data only for businesses with paid employees. For more information about the Economic Census (including a release schedule and information on comparability, confidentiality protection, sampling error, nonsampling error, and definitions), visit <www.census.gov/manufacturing>.



Economic Census of Island Areas

<https://www.census.gov/data/tables/2012/econ/census/island-areas.html>

- Provides selected industry, product, and other data for
 - Puerto Rico
 - U.S. Virgin Islands
 - American Samoa
 - Guam
 - Northern Mariana Islands
- Conducted as a part of the Economic Census



Survey of Business Owners (SBO)

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

- Provides estimates on business owner characteristics and gender, ethnicity, race, and veteran status
- Estimates include the number of employer and nonemployer firms, sales and receipts, annual payroll, and employment and are presented by NAICS
- Data are provided by state, metropolitan and micropolitan statistical areas, counties, places, and employment and receipts size
- Conducted as a part of the Economic Census



Questions

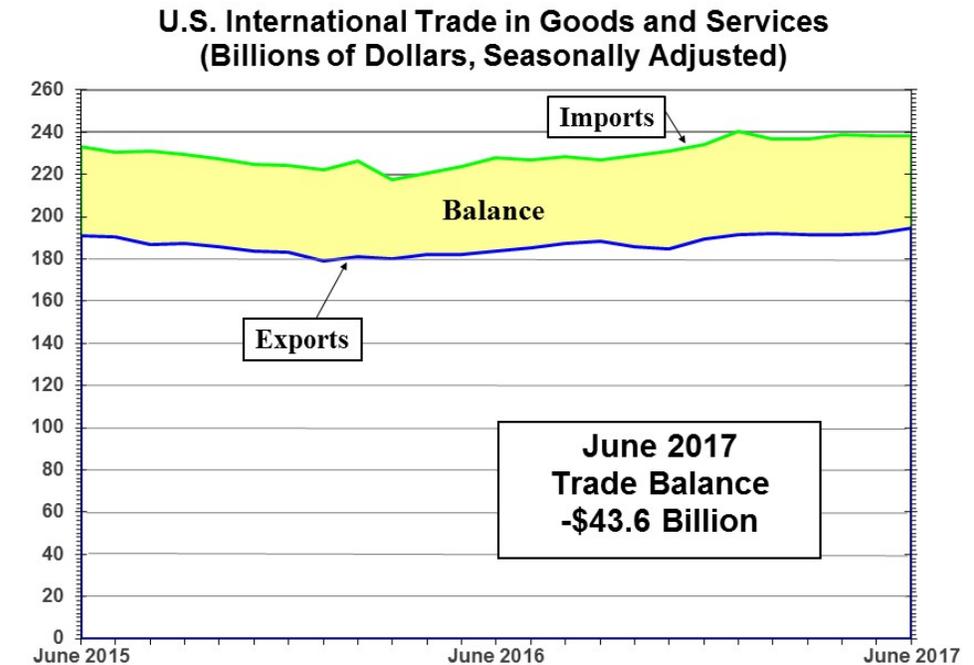


Manufacturing Related Data

- [International Trade](#)
- [Quarterly Survey of Plant Capacity Utilization \(QPC\)](#)
- [Commodity Flow Survey](#)
- [American Community Survey](#)
- [Longitudinal Employer-Household Dynamics](#)

International Trade in Goods and Services Report (FT-900)

- The **official** source of U.S. export and import statistics
- One of the principal economic indicators used to measure the economy
- Provides statistics on U.S. exports, imports, and balance of trade in goods and services on a monthly basis



Source: U.S. Census Bureau, Economic Indicators Division
< www.census.gov/foreign-trade/ >



International Trade Statistics

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

Manufacturing and International Trade Report (MITR)

<https://www.census.gov/foreign-trade/Press-Release/MITR/2015/index.html>

- Compares manufacturing product class data and associated import and export data
- Combines statistics from the Annual Survey of Manufactures (and manufacturing data in Economic Census years) and official U.S. trade statistics

Profile of U.S. Importing and Exporting Companies

<https://www.census.gov/foreign-trade/Press-Release/edb/2015/index.html>

- Provides trade statistics based on the characteristics of the importing and exporting companies.
 - Survey of Business Owners (SBO) - U.S. Exporting Firms: 2012 Tables
<https://www.census.gov/data/tables/2012/econ/sbo/2012-sbo-exporting-firms.html>
 - Combines information of the 2012 Profile of U.S. Importing and Exporting Companies and the 2012 Survey of Business Owners (SBO)



Quarterly Survey of Plant Capacity Utilization (QPC)

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

The Quarterly Survey of Plant Capacity Utilization is a reimbursable quarterly survey that is funded by the Federal Reserve Board (FRB) and the Defense Logistics Agency (DLA)

- Data provided include:
 - Full utilization rate (how much of a plant's production capability under normal operation conditions is being utilized)
 - Emergency utilization rate (how much of a plant's production capability is being utilized under national emergency operating conditions when running plant as close to 24 hours as possible)
 - Workweek data- average plant hours per week in operation
 - Data that provide reasons why plants are not operating at full production capability

Commodity Flow Survey (CFS)

<https://www.census.gov/econ/cfs>

Commodity Flow Survey (CFS) is undertaken through a partnership between the Census Bureau and the Bureau of Transportation Statistics (BTS)

- Conducted every 5 years (years ending in "2" and "7") as part of the Economic Census.
- The CFS provide data on the movement of goods in the United States, including
 - Commodities shipped, their value, weight, and mode of transportation
 - Origin and destination of shipments of commodities
- Data are provided for manufacturing, mining, wholesale trade, and selected retail trade and services establishments
- Data are provided at the at the state level and for select metropolitan areas.

American Community Survey

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



- The American Community Survey (ACS) is a nationwide ongoing survey designed to provide communities with reliable and timely demographic, social, economic, and housing data for congressional districts, counties, places, and other localities each year
 - Public officials, planners, and entrepreneurs use this information to assess the past and plan the future.
 - It has an annual sample size of about 3.5 million addresses across the United States and Puerto Rico and includes both housing units and group quarters (e.g., nursing homes and prisons)
 - The large sample size and extensive demographic detail of the ACS allows for a more in-depth analysis on small geographies than may be possible with other national surveys

American Community Survey

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

- The ACS provides information on workers in approximately 260 industry classifications
- In addition to industry data, the ACS captures over 500 reported occupation classifications

**INDUSTRY BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER
2016 American Community Survey 1-Year Estimates**

Subject	United States											
	Total		Management, business, science, and arts occupations		Service occupations		Sales and office occupations		Natural resources, construction, and maintenance occupations		Production, transportation, and material moving occupations	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Civilian employed population 16 years and over	152,571,041	+/-138,252	37.6%	+/-0.1	18.1%	+/-0.1	23.3%	+/-0.1	8.8%	+/-0.1	12.2%	+/-0.1
Agriculture, forestry, fishing and hunting, and mining	2,649,407	+/-27,240	33.6%	+/-0.5	3.4%	+/-0.2	5.9%	+/-0.2	48.0%	+/-0.5	9.2%	+/-0.3
Construction	9,810,128	+/-53,269	17.5%	+/-0.2	0.6%	+/-0.1	6.3%	+/-0.1	71.1%	+/-0.2	4.5%	+/-0.1
Manufacturing	15,422,475	+/-66,996	30.0%	+/-0.2	1.8%	+/-0.1	12.8%	+/-0.1	6.2%	+/-0.1	49.2%	+/-0.2
Wholesale trade	4,044,274	+/-36,964	19.8%	+/-0.3	1.3%	+/-0.1	51.8%	+/-0.4	5.1%	+/-0.2	22.0%	+/-0.4
Retail trade	17,480,899	+/-73,657	11.6%	+/-0.1	4.5%	+/-0.1	68.9%	+/-0.2	3.8%	+/-0.1	11.3%	+/-0.1
Transportation and warehousing, and utilities	7,951,089	+/-48,868	14.5%	+/-0.3	2.5%	+/-0.1	22.7%	+/-0.3	8.3%	+/-0.2	52.0%	+/-0.3
Information	3,155,753	+/-34,101	56.9%	+/-0.5	3.0%	+/-0.2	28.0%	+/-0.5	8.9%	+/-0.3	3.1%	+/-0.2
Finance and insurance, and real estate and rental and leasing	10,048,036	+/-53,513	47.5%	+/-0.3	3.9%	+/-0.1	44.5%	+/-0.3	2.3%	+/-0.1	1.8%	+/-0.1
Professional, scientific, and management, and administrative and waste management services	17,402,906	+/-64,772	55.6%	+/-0.2	18.8%	+/-0.2	18.1%	+/-0.1	2.4%	+/-0.1	5.1%	+/-0.1
Educational services, and health care and social assistance	35,060,601	+/-111,871	63.9%	+/-0.2	22.0%	+/-0.1	11.4%	+/-0.1	0.8%	+/-0.1	1.8%	+/-0.1
Arts, entertainment, and recreation, and accommodation and food services	15,027,387	+/-69,489	18.3%	+/-0.2	63.4%	+/-0.2	13.6%	+/-0.2	1.1%	+/-0.1	3.5%	+/-0.1
Other services, except public administration	7,523,500	+/-48,004	22.9%	+/-0.3	38.9%	+/-0.3	13.1%	+/-0.2	15.0%	+/-0.3	10.1%	+/-0.2
Public administration	6,994,586	+/-48,332	42.5%	+/-0.3	31.4%	+/-0.3	19.9%	+/-0.3	3.8%	+/-0.1	2.4%	+/-0.1

Source: U.S. Census Bureau, 2016 American Community Survey 1-Year Estimates



Longitudinal Employer-Household Dynamics (LEHD)

<https://lehd.ces.census.gov/>

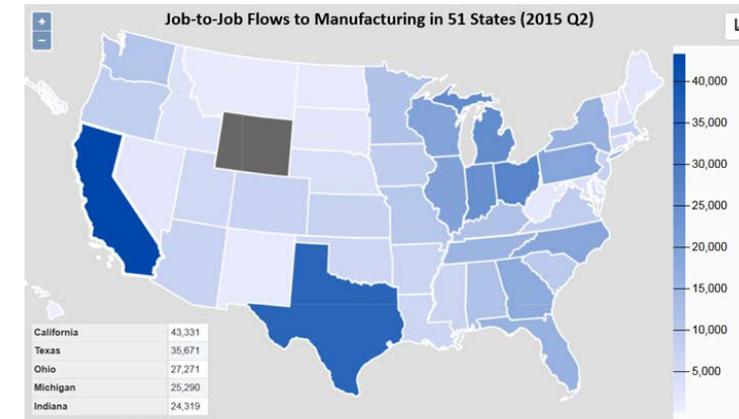
The LEHD data provide unique linked employer-employee data for the United States

- LEHD data may be used to research and characterize workforce dynamics for the **manufacturing** industry
- Data products include
 - Job-to-Job Flows (J2J)
 - The Quarterly Workforce Indicators (QWI) and
 - LEHD Origin-Destination Employment Statistics (LODES) data
- Connects administrative records with census and survey data to produce **new** public-use data products as well as microdata for research
- Accesses state data through the Local Employment Dynamics (LED) Partnership - a cooperative partnership with states and DC, PR, and USVI
- States provided data:
 - Unemployment Insurance (jobs/workers)
 - Quarterly Census of Employment and Wages (firms)

Longitudinal Employer-Household Dynamics (LEHD)

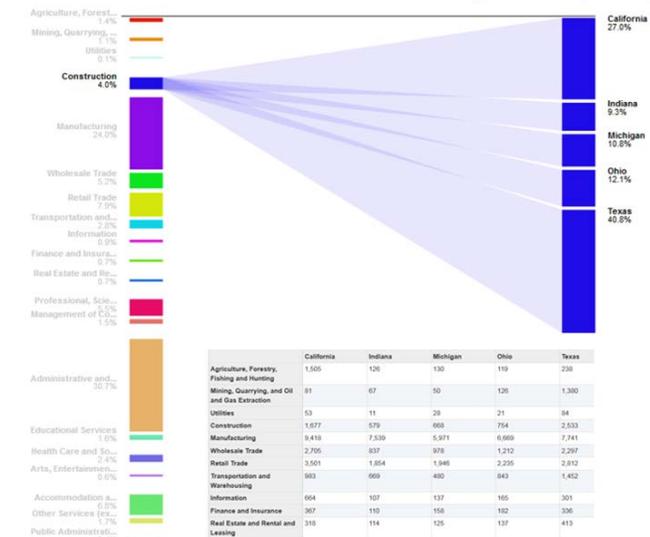
<https://lehd.ces.census.gov/>

- The Job-to-Job Flows (J2J) data trace worker reallocation through industries, geographic labor markets, and to/from periods of nonemployment
- J2J can answer questions such as:
 - What industries are hiring newly separated manufacturing workers?
 - What states are hiring out-of-state workers into jobs in manufacturing?
 - How have these trends changed over time?



Source: U.S. Census Bureau, Longitudinal Employer-Household Dynamics (LEHD), Job-to-Job Flows

Job-to-Job Flows from 20 Industries to Manufacturing in 5 States (2015 Q2)



Source: U.S. Census Bureau, Longitudinal Employer-Household Dynamics (LEHD), Job-to-Job Flows



Data Tools



American FactFinder (AFF)

www.factfinder.census.gov

Contains data from the Economic Census, Survey of Business Owners, Commodity Flow Survey, County Business Patterns, Nonemployer Statistics, Annual Survey of Manufactures, and the American Community Survey

Economic Indicators Briefing Room and Database

Contains data from the Economic Indicators only

<https://www.census.gov/economic-indicators/>

The screenshot shows the 'Economic Indicators' page with a navigation bar and a list of indicators. The indicators listed are:

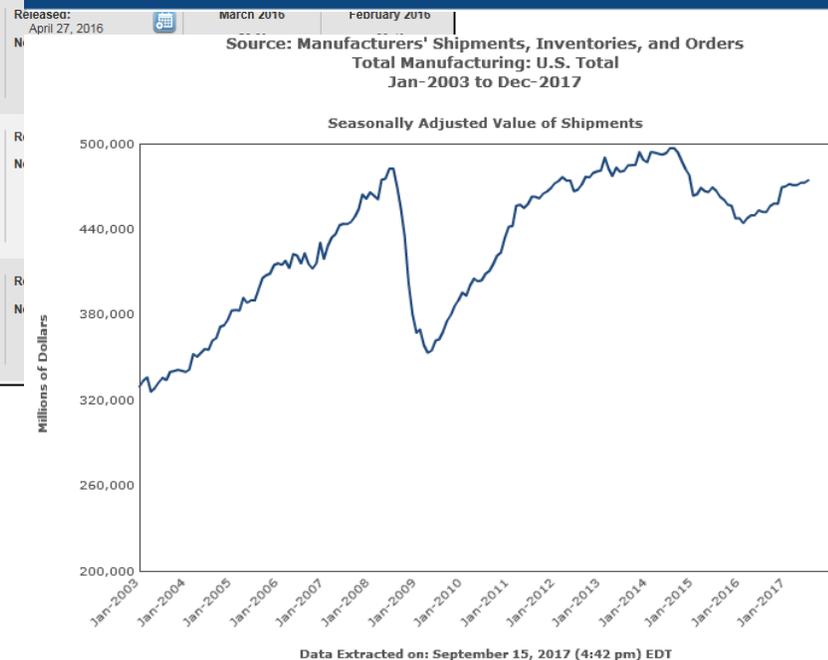
- Advance U.S. International Trade in Goods**: The advance international trade deficit in goods was \$56.9 billion in March 2016. Advance exports of goods were \$116.7 billion and advance imports of goods were \$173.6 billion.
- Advance Report on Durable Goods Manufacturers' Shipments, Inventories, and Orders**: New orders for manufactured durable goods in March increased \$1.8 billion or 0.8 percent to \$230.7 billion.
- New Residential Sales**: Sales of new single-family houses in March 2016 were at a seasonally adjusted annual rate of 511,000. This is 1.5 percent (+/- 15.0%)* below the revised February 2016 estimate of 519,000.

Time Series/Trend Charts

<https://www.census.gov/econ/currentdata/>

The dashboard displays the following indicators:

- Quarterly Profits - Manufacturers'**: \$150.0 B. 2nd Quarter 2017 Report. After-tax profits ↑ \$0.5 B. Released 10:00 AM EDT, 9/6/17.
- International Trade: Goods & Services**: \$43.7 B. July 2017 Report. Deficit ↑ 0.3%. Released 8:30 AM EDT, 9/6/17.
- Manufacturers' Goods**: \$466.4 B.



Data Extracted on: September 15, 2017 (4:42 pm) EDT
These data are subject to sampling and nonsampling error. For more information see <http://www.census.gov/m3>

QuickFacts

<https://www.census.gov/quickfacts>

QUICKFACTS

Did You Know
Population per square mile in Chicago city, Illinois is **11,841.8**

Source: 2010 Census

Select a state to begin

QuickFacts [What's New & FAQs >](#)
Helena city, Montana [Tell us what you think >](#)

QuickFacts provides statistics for all states and counties, and for cities and towns with a population of 5,000 or more.

Enter state, county, city, town, or zip code -- SELECT A FACT -- CLEAR TABLE MAP CHART DASHBOARD MORE

Table

ALL TOPICS [Browse more datasets](#) [HELENA CITY, MONTANA](#) [LEWIS AND CLARK COUNTY, MONTANA](#) [MONTANA](#)

PEOPLE

Population

Population estimates, July 1, 2015, (V2015)	30,581	66,418	1,032,949
Population estimates base, April 1, 2010, (V2015)	28,216	63,395	989,417
Population, percent change - April 1, 2010 (estimates base) to July 1, 2015, (V2015)	8.4%	4.8%	4.4%
Population, Census, April 1, 2010	28,190	63,395	989,415

Age and Sex

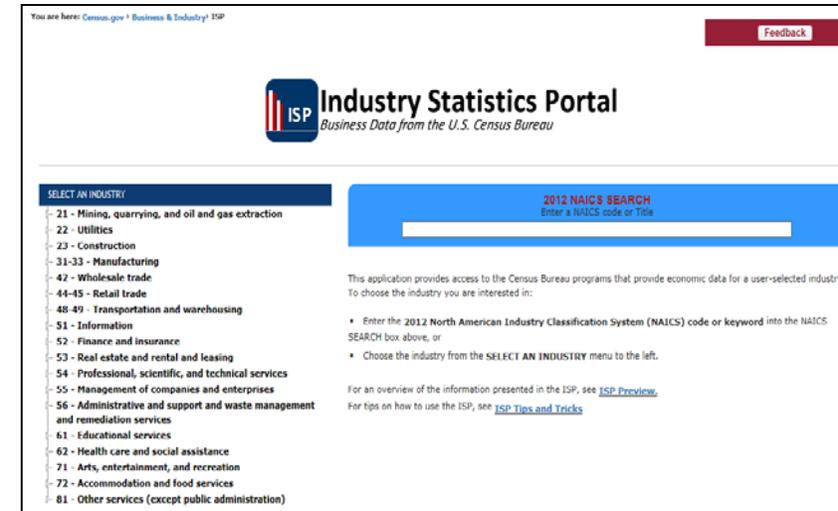
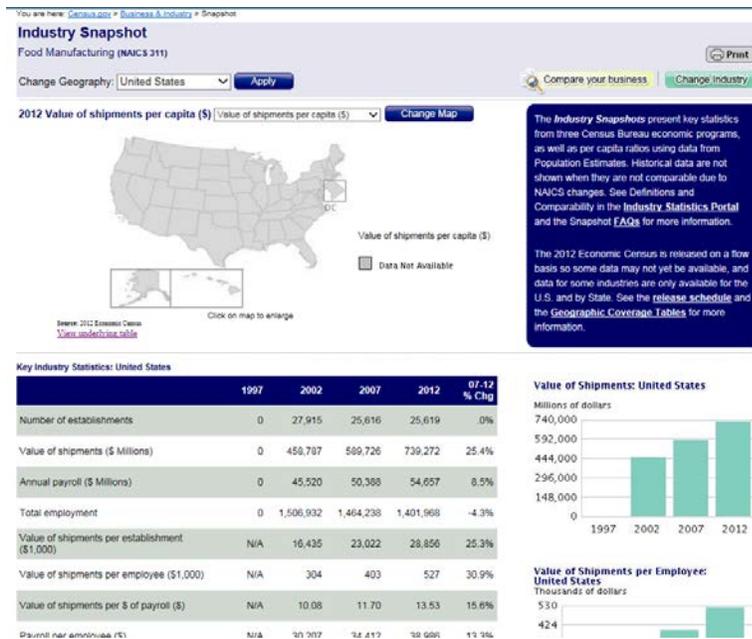
Persons under 5 years, percent, July 1, 2015, (V2015)	X	5.9%	6.0%
Persons under 5 years, percent, April 1, 2010	5.9%	6.2%	6.3%
Persons under 18 years, percent, July 1, 2015, (V2015)	X	21.6%	21.9%
Persons under 18 years, percent, April 1, 2010	20.1%	22.7%	22.6%
Persons 65 years and over, percent, July 1, 2015, (V2015)	X	16.9%	17.2%
Persons 65 years and over, percent, April 1, 2010	15.6%	13.8%	14.8%
Female persons, percent, July 1, 2015, (V2015)	X	50.5%	49.7%
Female persons, percent, April 1, 2010	52.0%	50.6%	49.8%

Contains data from the Economic Census and related programs, County Business Patterns, Nonemployer Statistics and the American Community Survey

Industry Statistics Portal and Industry Snapshots

<http://www.census.gov/econ/isp>

The Industry Statistics Portal provides access to all Economic data for a particular industry



<https://www.census.gov/econ/snapshots>

Industry Snapshots present key statistics from the Economic Census and per capita ratios using data from Population Estimates for a user-selected industry

USA Trade Online

<https://usatrade.census.gov/>

The screenshot displays the USA Trade Online website interface. On the left, there is a navigation menu with options: "Subscribers Sign-In", "SIGN-UP NOW", "LOG IN", "ACCOUNT", "Forgot Account Information?", "Login with other credentials", and "GET EMAIL UPDATES". The main content area features a "Welcome to UTO" banner and a list of services: "Latest International Trade Data", "World Pop Clock", "Related Party Trade", "Profile of Companies", and "MITR". A large promotional banner on the right reads "USA Trade Online Official International Trade Statistics" and lists features: "UP TO DATE", "COMPLETE AND DETAILED EXPORT AND IMPORT DATA", "HARMONIZED SYSTEM AND NAICS CLASSIFICATIONS", and "DISTRICT, PORT, AND STATE LEVEL DATA". A prominent "FREE" stamp is overlaid on the banner. Below the banner, the United States Census Bureau logo and social media icons are visible. At the bottom, there are buttons for "Release Schedule" and "Help and FAQs".

View as: Table Chart [Icons] Email report definition...

Standard Report - Exports
Author: U.S. Census Bureau, Economic Indicators Division USA Trade Online. Source: U.S. Import and Export Merchandise trade statistics. For information on confidentiality protection, nonsampling error, and definitions, see technical documentation.
Current date: 03/31/2017 2:01 PM (Eastern Daylight Time)
Features: Value (\$US)

Drag dimensions here so they do not show as a row or column in table

Data row 1 of 1 (Suppressed) Data columns 1-5 of 5 (Suppressed)

Time	2012	2013	2014	2015	2016
Commodity	0105 Chickens, Ducks, Gee...				
Country					
Canada	40000000	50000000	50000000	50000000	60000000

Provides access to current and cumulative U.S. export and import data

My Congressional District

www.census.gov/mycd

Contains data from County Business Patterns and the American Community Survey

114th Congress
My Congressional District

1 Montana
2 Congressional District (At Large)

People Workers Housing Socio-Economic Education Business

Congressional District (At Large), Montana
Source: 2014 American Community Survey 1-Year Estimates

Sex and Age	Estimate
Total population	1,023,579
Male	513,409
Female	510,170
Under 5 years	59,775
5 to 9 years	65,959
10 to 14 years	62,423
15 to 19 years	64,969
20 to 24 years	74,603
25 to 34 years	128,275
35 to 44 years	115,039
45 to 54 years	131,523
55 to 59 years	79,370
60 to 64 years	71,490
65 to 74 years	99,459
75 to 84 years	49,795

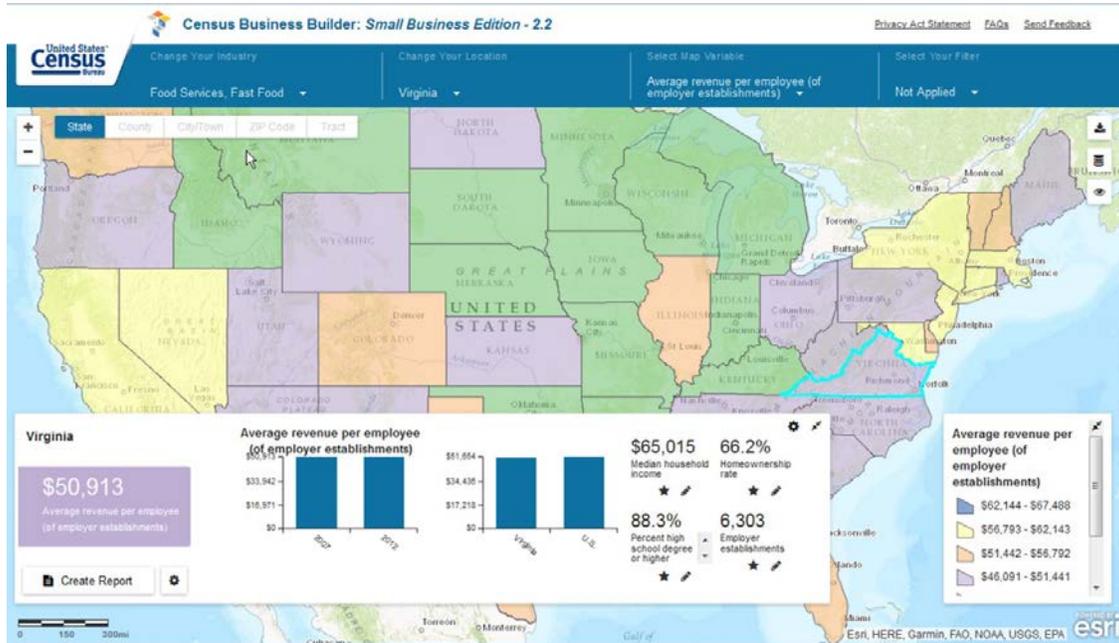
United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

POWERED BY
The American Community Survey and County Business Patterns

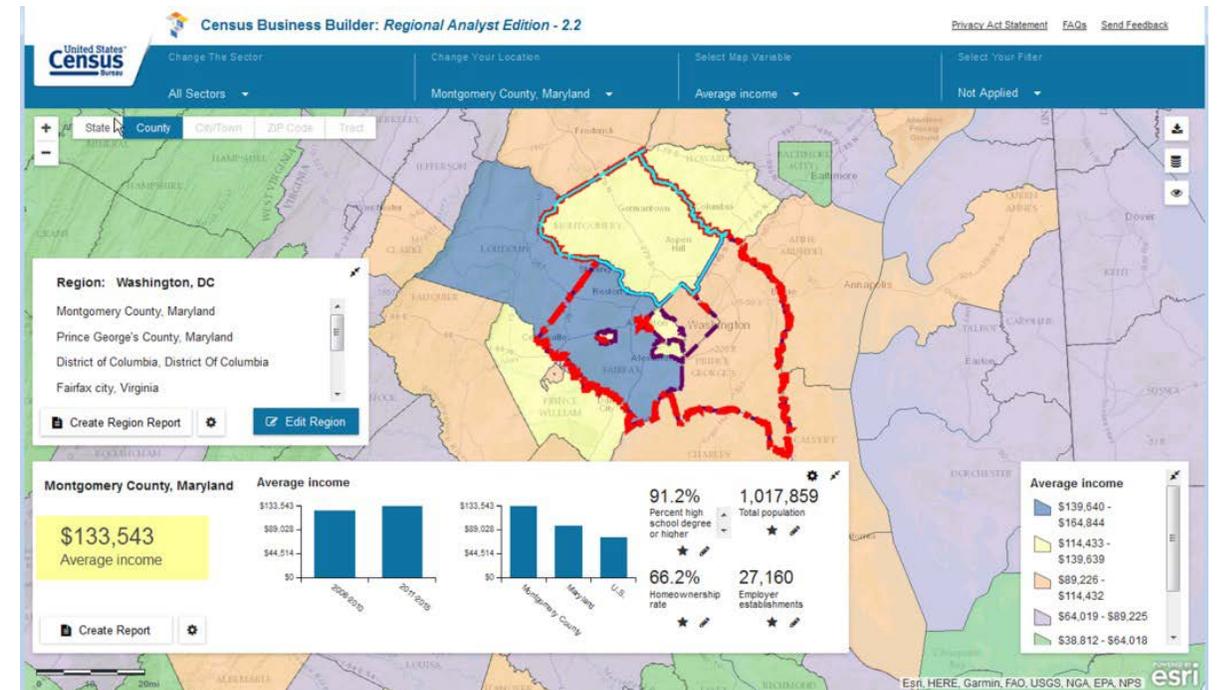
Display ACS Margin of Error
Download and Share

Census Business Builder

<https://www.census.gov/data/data-tools/cbb.html>



The Small Business Edition is built primarily for small business owners who need key data for their business plan or to better understand their potential market



The Regional Analyst Edition is built for chambers of commerce and regional planning staff who need a broad portrait of the people and businesses in their service area



Census Business Builder

<https://www.census.gov/data/data-tools/cbb.html>

Data in the Census Business Builder Include Data from:

- Economic Census
- County Business Patterns
- Nonemployers Statistics
- Survey of Business Owners
- American Community Survey
- International Trade
- Agriculture Data from the USDA
- Consumer Spending Data from ESRI

Features Include:

- Menus and Search tools
- Interactive maps
- Customizable dashboard that includes time series and geographic comparison charts
- Interactive and downloadable reports and charts
- Ability to “Add Reference Layers”,
- Upload Your Own Data
- Customizable Map Data Dashboard and Report (show or hide sections)
- Optimized for your smartphone or tablet

Data, Additional Information, and Where to Access

Economic Indicators	
Additional Information	Where to Access
Manufacturers' Shipments, Inventories, and Orders (M3)	Economic Indicators Briefing Room Economic Indicators - Time Series/Trend Charts
Quarterly Financial Report (QFR)	Economic Indicators Briefing Room Economic Indicators - Time Series/Trend Charts
Manufacturing & Trade Inventories & Sales (MTIS)	Economic Indicators Briefing Room Economic Indicators - Time Series/Trend Charts
Annual Data	
Annual Survey of Manufactures (ASM)	American FactFinder (AFF)
Management and Organizational Practices Survey (MOPS)	Management and Organizational Practices Survey (MOPS) Data
County Business Patterns (CBP)	American FactFinder (AFF) QuickFacts My Congressional District Census Business Builder (CBB)
Nonemployer Statistics	American FactFinder (AFF) QuickFacts Census Business Builder (CBB)
Statistics of US Businesses	Statistics of US Businesses Data
Annual Capital Expenditures Survey (ACES)	Annual Capital Expenditures Survey (ACES) Data
Annual Survey of Entrepreneurs	Annual Survey of Entrepreneurs (ASE) Data
E-Commerce Statistics (E-Stats)	E-Commerce Statistics (E-Stats) Data

Data, Additional Information, and Where to Access

Economic Census	
Additional Information	Where to Access
https://www.census.gov/programs-surveys/economic-census.html	American FactFinder (AFF) QuickFacts Census Business Builder (CBB)
https://www.census.gov/data/tables/2012/econ/census/island-areas.html	American FactFinder (AFF) American FactFinder (AFF)
https://www.census.gov/programs-surveys/sbo.html	QuickFacts Census Business Builder (CBB)
Manufacturing Related	
International Trade	International Trade Data USA Trade Online Census Business Builder (CBB)
Manufacturing and International Trade Report (MITR)	Manufacturing and International Trade Report (MITR) Data
Profile of U.S. Importing and Exporting Companies	Profile of U.S. Importing and Exporting Companies Data
Survey of Business Owners (SBO) - U.S. Exporting Firms: 2012 Tables	Survey of Business Owners (SBO) - U.S. Exporting Firms: 2012 Tables Data
Quarterly Survey of Plant Capacity Utilization (QPC)	Quarterly Survey of Plant Capacity Utilization (QPC)
Commodity Flow Survey (CFS)	American FactFinder (AFF) American FactFinder (AFF)
American Community Survey (ACS)	QuickFacts My Congressional District Census Business Builder (CBB)
Longitudinal Employer-Household Dynamics (LEHD)	Longitudinal Employer-Household Dynamics (LEHD) Data

Additional Free Training

<https://www.census.gov/mso/www/training>

- Upcoming webinars
- Recorded webinars
- Other training

You are here: [Census.gov](#) > Educational Resources

Educational Resources

[Main](#) | [Recent Webinars](#) | [Recorded Webinars](#) | [Training Resources](#) | [FAQs](#) | [Contact Us](#)

Stay Connected

Get updates on new training opportunities and educational resources delivered straight to your inbox.

Training Opportunities

We Can Help You!
Let us show you how to find and use Census data for your everyday uses, including informing your business planning, supporting grant proposals and research, and analyzing economic or demographic data, we can teach you how to get what you need for your various projects.

Options for Learning
There are three main ways that you can learn to find Census data. And all of it is free!

- Webinars – see the list below for our upcoming webinars. No registration is needed. We also have a network of Data Specialists who can provide training throughout the nation – these webinars require registration.
- Video Tutorials – We have a growing number in our Training Resources Library.
- Classroom Training – We do this when distance and staff resources allow. Often, as an alternative to a classroom training, we can schedule a webinar.

Take Advantage of the Data Today!

Upcoming Trainings

- Sept 14, 2017 [Making Sense of the American Community Survey](#)
- Sept 14, 2017 [Your Business by The Numbers: Census Business Builder App](#)
- Sept 15, 2017 [Data on a Deadline: Quick Data Tools & Interactive Maps](#)
- Sept 19, 2017 [Making Sense of the American Community Survey: New Estimates Release](#)
- Sept 19, 2017 [An Introduction to the Statistics in Schools Program](#)
- Sept 26, 2017 [Data on a Deadline: Quick Access Tools and Reports](#)
- Oct 03, 2017 [Voting & Registration Statistics – Hot Report and DataFerrett](#)
- Oct 04, 2017 [Your Neighborhood by the Numbers: Advanced American FactFinder \(Tracts, Block Groups, and Blocks\)](#)
- Oct 05, 2017 [Hispanics by the Numbers](#)
- Oct 11, 2017 [Workforce Indicators @ Your Fingertips – QWI Explorer](#)
- Oct 12, 2017 [Accessing Detailed Statistics on Race, Hispanic Origin, and Ancestry Groups](#)
- Oct 13, 2017 [On the Map: The Road to Employment Dynamics](#)
- Oct 18, 2017 [Accessing Detailed Statistics on Race, Hispanic Origin, and Ancestry Groups](#)
- Oct 24, 2017 [Getting to Know the Ferrett: DataFerrett for Accessing Public Use Microdata Sample \(PUMS\)](#)
- Oct 24, 2017 [QuickFacts: A Primer](#)



2017 Economic Census

<https://www.census.gov/EconomicCensus>

- Program launch: May 2018
- 100% electronic collection
- Due Date: June 12, 2018
- Help will be available online and via telephone



2017 Economic Census

<https://www.census.gov/EconomicCensus>

- Communications to inform stakeholders will be provided.
- Partner Engagement Kit – suite of promotional materials – will be available starting early 2018
- All information and materials available at:
www.census.gov/EconomicCensus

2017 Economic Census – What's New?

<https://www.census.gov/EconomicCensus>

- NAICS updates
 - www.census.gov/eos/www/naics
 - Includes Federal Register Notices
- Increased implementation of the North American Product Classification System (NAPCS)
 - Tabulations by NAPCS will replace NAICS product code tabulations
- Geography – Place and Metro Area changes
- New dissemination system

Summary

Key takeaways are:

- The Census Bureau provides data on manufacturing
- Key data users are Government, businesses, economists and researchers, and economic development organizations
- Manufacturing data are available for the number of companies, number of establishments, employment, payroll, sales, receipts, inventories, capital expenditures, product lines, and more
- There are various tools to access the data.
- The 2017 Economic Census is coming soon

Thank You!

The quality data we presented today would not be available without quality response

- If you own a business and are asked to respond in our Censuses and surveys, please respond
- If you use our data for research as part of your job, check to see if your company receives and completes our survey questionnaires
 - Please let your leadership know how important the data are in your research
- If you use our data to make business decisions, let others know how important the data are

Questions?

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U.S. Census Bureau
(301) 763-6522
philip.w.Thompson@census.gov

Data Website: <https://www.census.gov/econ/>

Data Website: <https://www.census.gov/econ/>