



Annual Business Survey

Dept. of Commerce, U.S. Census Bureau

National Science Foundation, National Center for
Science and Engineering Statistics

ABS Background

- Joint project between the Census Bureau and the National Science Foundation's (NSF) National Center for Science and Engineering Statistics (NCSES)
- New business survey planned for survey years 2017 - 2021
- 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)

Survey of Business Owners

- Survey of Business Owners conducted every 5 years as part of the economic census
- First known as the Survey of Minority Business Enterprises (SMOBE) and the Survey of Women Business Enterprises (SWOBE)
- Developed in response to President Nixon's Executive Order 11458 to produce statistics on minority owned businesses
- Published number of firms, receipts, payroll, and employment by owner demographics
- Large sample size of 1.75 million to produce detailed statistics on minority owned employer and nonemployer businesses

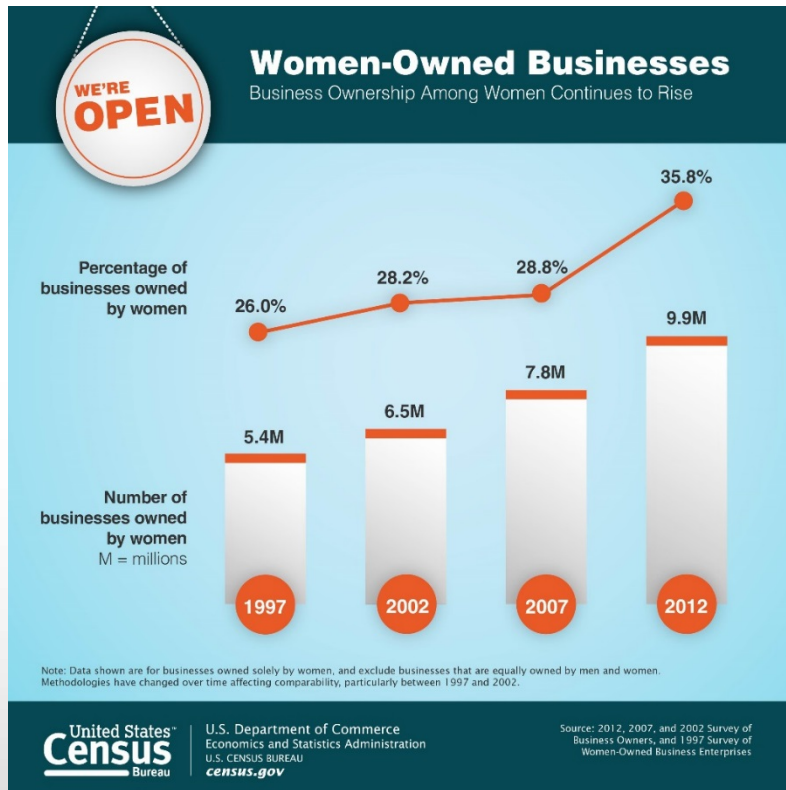
Annual Survey of Entrepreneurs

- Supplement to the SBO
- Conducted annually to provide more frequent statistics on minority owned businesses (for survey years 2014 – 2016)
- Joint effort between the Ewing Marion Kauffman Foundation, the Minority Business Development Agency, and the Census Bureau
- Published number of firms, receipts, payroll, and employment by owner demographics
- Sampled 290,000 employer businesses to produce summary level statistics on minority owned employer businesses

Business R&D and Innovation Survey for Microbusinesses

- Annual survey to collect research and development activity for small employer businesses (for survey years 2016 and 2017)
- Sponsored by the National Science Foundation's National Center for Science and Engineering Statistics
- Sampled 200,000 employer businesses to produce R&D activity and costs and other business characteristics (similar to ASE)

2012 SBO Data



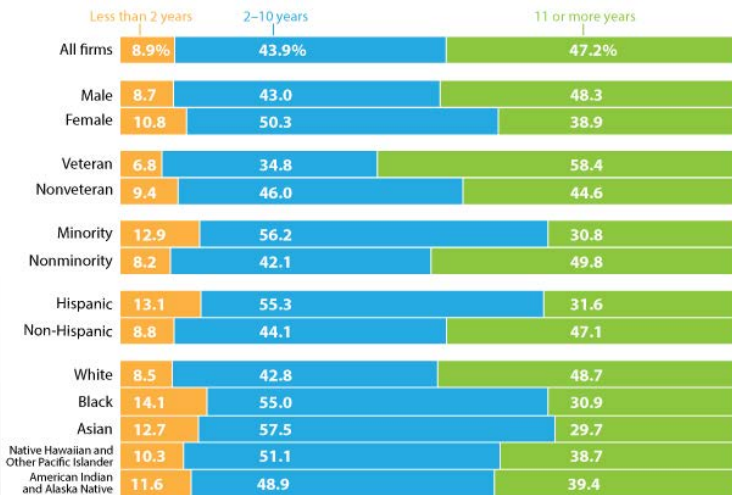
- Sourced from the 2012 Survey of Business Owners
- Compares women business ownership over time
- Similar data available by race and ethnicity
- More data and visualizations available at -

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

ASE Data



America's Entrepreneurs How Long Have America's Firms Been in Business?



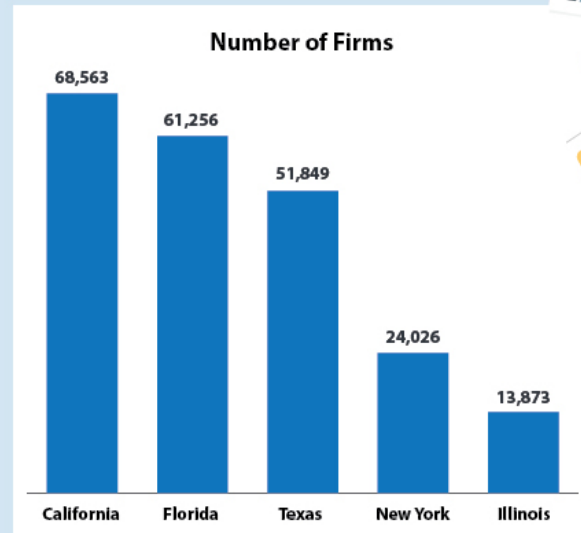
Note: The number of years a firm has been in business is determined by the first year that the Census Bureau received administrative records data for the business. This graphic does not show firms that are equally owned by men and women, veterans and nonveterans, minorities and nonminorities, nor Hispanic and Non-Hispanic. In some instances, percentages do not add to 100 due to rounding.

United States
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Source: 2014 Annual Survey of Entrepreneurs
www.census.gov/programs-surveys/ase.html

Hispanic-Owned Firms Top Five States



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Source: 2015 Annual Survey of Entrepreneurs
www.census.gov/programs-surveys/ase.html

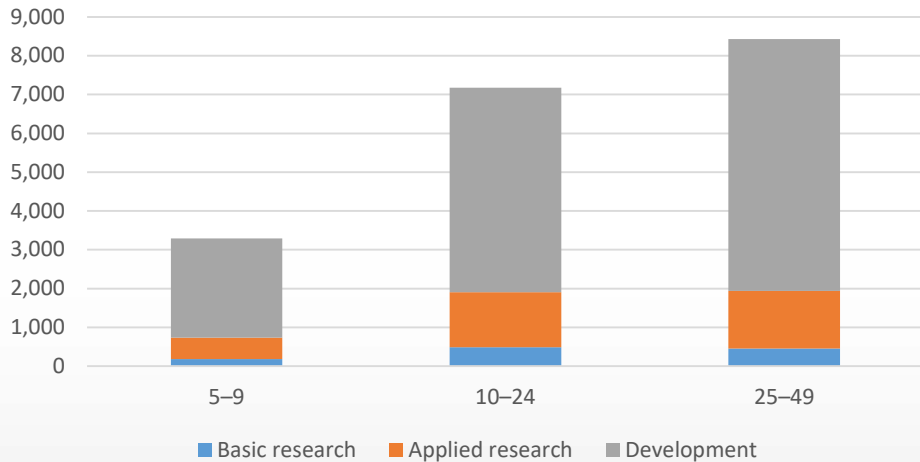
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NCSES National Center for Science and Engineering Statistics

Micro-Business R&D Data

Small Business R&D, by Type of R&D
(millions of dollar)

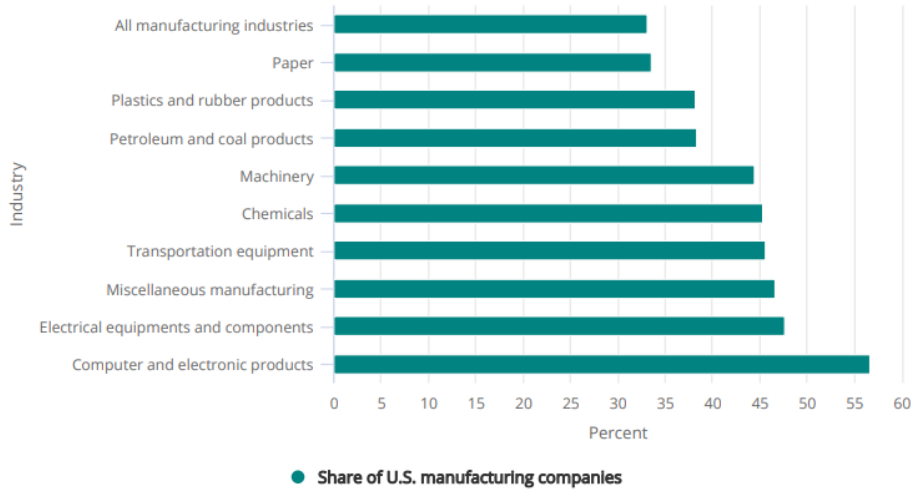


Source: National Science Foundation, National Center for Science and Engineering Statistics

- Sourced from the 2014 Business R&D and Innovation Survey (BRDIS); (BRDI-M 2016 not yet available)
- Compares R&D activities within small businesses with 5-49 employees
- Similar data will become available for businesses with 1-4 and 5-9 employees
- BRDIS data available at www.nsf.gov/statistics/srvy/industry

Innovation Data

Share of U.S. manufacturing companies reporting product or process innovation, by selected industry: 2013-15



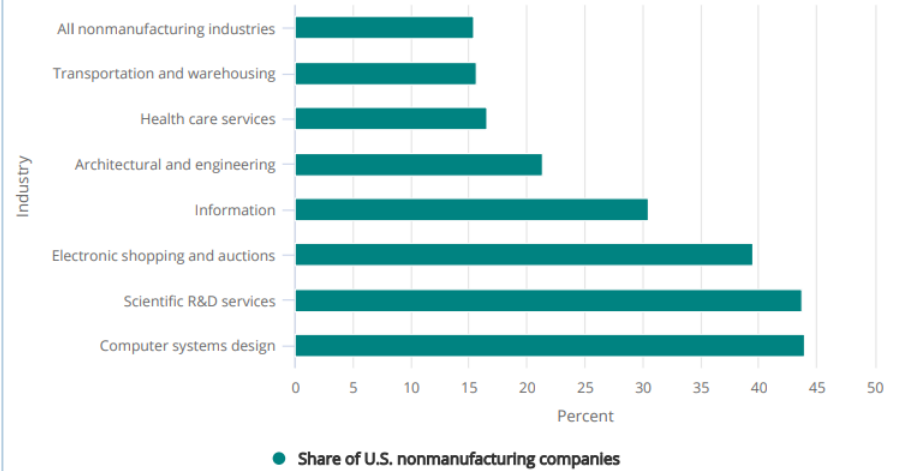
Note(s)

The survey asked companies to identify innovations introduced from 2013 to 2015. Electrical equipment includes appliances.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Business R&D and Innovation Survey (BRDIS) (2015)

Share of U.S. nonmanufacturing companies reporting product or process innovation, by selected industry: 2013-15



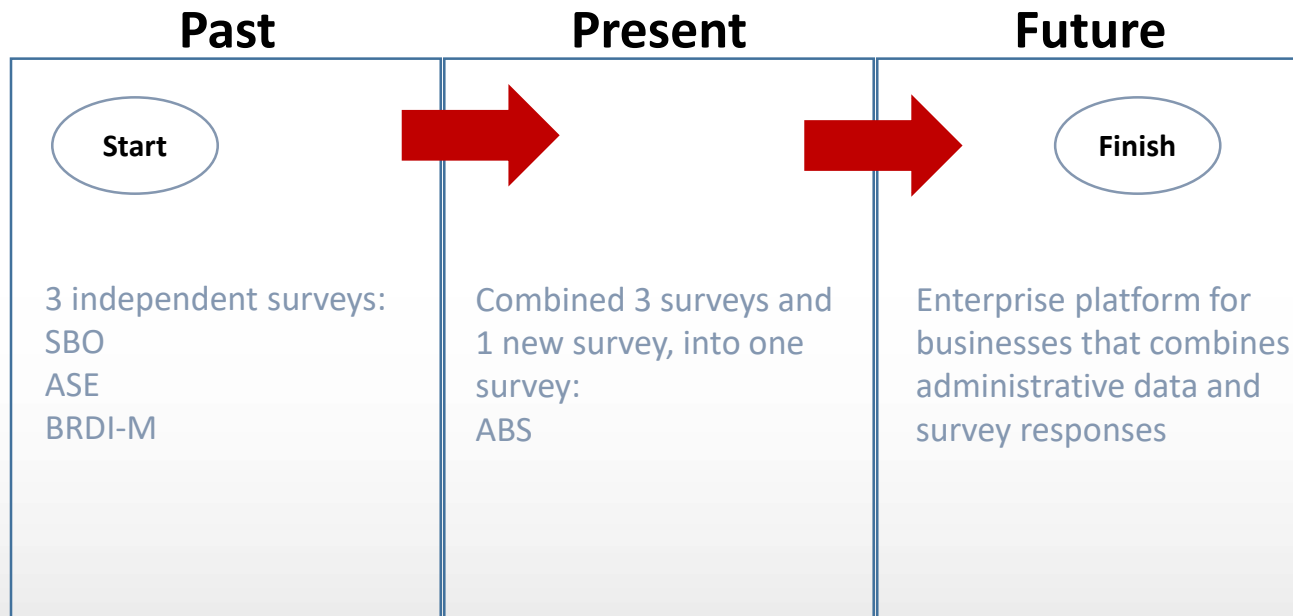
Note(s)

The survey asked companies to identify innovations introduced from 2013 to 2015. Architectural and engineering category and Computer system design includes related services.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Business R&D and Innovation Survey (BRDIS) (2015), Table 68.

High – Level Overview



ABS Content

- Collaboratively developed between NCSES and Census Bureau
- Collects data on owner demographics
 - Ask questions about the owner's race, gender, ethnicity, and veteran 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

ABS Methodology

- Samples 850,000 employer businesses in benchmark year (2017)
- Reduced sample size to 300,000 employer businesses annually (2018 – 2021)
- Conducted on a firm (enterprise) basis
- Includes all nonfarm businesses filing IRS employer tax forms
- Covers 20 NAICS industries with some exclusions
- Excludes nonemployer businesses

ABS Sample

- Stratified by frame, industry, and state
- Uses administrative data to estimate probability firm is minority- or women-owned
- Each firm placed in one of 9 frames for sampling
- Large companies selected with certainty based on volume of sales, payroll, or number of paid employees
- Certain R&D industries selected with certainty

Sampling Frames

American Indian	Asian	Black or African American
Hispanic	Non-Hispanic white men	Native Hawaiian and Other Pacific Islander
Other (a different race as write-in)	Publicly owned	Women

ABS Estimates

- Firms, receipts, payroll, and employment by gender, ethnicity, race, and veteran status for all employer businesses
- Research and development activity and costs for businesses with 1-9 employees
- Innovation activity
- Technology usage
- Business and owner characteristics

ABS Data Tabulations

- By demographic and economic variables (where applicable).
- Detailed industries
 - 2-6 digit NAICS
- Detailed geographies
 - US, state, MSA, county, and economic place
- Years in business
- Size of business
 - Employment and receipts

2017 ABS Planning

- Data collection
 - Initial mail - June 21, 2018
 - Due date – August 8, 2018
 - Electronic only collection
- Data processing and analysis
 - Throughout 2018 and 2019
- Data releases
 - Starting December 2019

2018 – 2021 Timing

- Slightly shorter cycle
- Data collection
 - June – November
- Data processing
 - November - July
- Data analysis and data table review
 - July – November
- Data releases
 - Starting November/December

ABS Outreach

- Efforts to engage researchers, stakeholders, respondents, and user community
- Data user webinar – June 2018
- Association of Public Data Users (APDU) annual conference – July 2018
- Data user workshop on innovation policy priorities – September 2018
- Discussions with the OECD/Eurostat Oslo Manual Steering Group
- Ongoing discussions with Small Business Administration (SBA), Minority Business Development Agency (MBDA), National Women’s Business Council, Kauffman Foundation

Conclusion

- Combining 3 existing and 1 new innovation survey into one survey
- Continue to provide detailed comprehensive data
- Flexible content increases utility
- Shortened survey cycle
- Enriches existing data with additional topics.

Contact Information

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