Created by Congress in 1976, the Office of Advocacy of the U.S. Small Business Administration (SBA) is an independent voice for small business within the federal government. Appointed by the President and confirmed by the U.S. Senate, the Chief Counsel for Advocacy directs the office. The Chief Counsel advances the views, concerns, and interests of small business before Congress, the White House, federal agencies, federal courts, and state policy makers. Economic research, policy analyses, and small business outreach help identify issues of concern. Regional Advocates and an office in Washington, DC, support the Chief Counsel’s efforts.

Foreword

We are pleased to present this FY 2012 annual report for the Office of Advocacy’s Office of Economic Research (OER). Advocacy places a high value on sound economic research, which contributes to better policy for small business, and on providing our small business stakeholders with timely and actionable information about the current economic climate.

Throughout more than 35 years of existence, the Office of Advocacy has conducted economic research as part of its core mission. In 1976, Public Law 94-305 assigned to Advocacy the task of examining “the role of small business in the American economy and the contribution which small business can make in improving competition.”

In fiscal year 2012, Advocacy produced more than 25 contract and internal research reports about topics ranging from immigrant and veteran small business owners to small business lending, federal contracting, and innovation.

In addition to these reports, Advocacy economists participated in roundtables and conferences about various small business topics. These outreach efforts are important for small business stakeholders around the country.

We appreciate our stakeholders’ contributions in support of the best possible research on small business and we look forward to hearing from you in the year ahead. For more information about the Office of Advocacy, visit our website at www.sba.gov/advocacy.

Winslow Sargeant, Ph.D.  
Chief Counsel for Advocacy

Joseph M. Johnson, Ph.D.  
Director, Office of Economic Research
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In fiscal year 2012, the Office of Advocacy continued to issue research reports on a variety of timely topics, from capital formation to immigrant entrepreneurship. Small business was a focus of national debates about economic growth, job creation, and the regulatory environment. The Office of Economic Research responded to the pressing need for new and timely information on small firms by making more information readily available in updated formats and by commissioning research on key topics.

One of the Office of Advocacy’s earliest mandates was “to examine the role of small business in the American economy and the contribution which small business can make in improving competition, encouraging economic and social mobility…and providing an avenue through which new and untested products and services can be brought to the marketplace.”\(^1\)

In keeping with its research mission and in an ongoing effort to make its data products reader friendly and electronically accessible, the Office of Advocacy in FY 2012 expanded and redesigned its Frequently Asked Questions About Small Business (FAQ) (see Appendix B). The new edition includes twice as much data as previous versions, as well as charts and tables showing key small business statistics and trends. Topics covered include general data about small businesses and their employment and output, the demographics of ownership (businesses owned by women, minorities, veterans, and youth), home-based business trends, business survival rates, innovation, federal procurement, tax rates, and legal forms of organization. Advocacy continued quarterly updates of its two recurring publications, the Small Business Quarterly Bulletin and the Quarterly Lending Bulletin. All of the new publications continue to be well received and widely read by Advocacy stakeholders.

The Office of Advocacy continues to partner with the U.S. Census Bureau to collect and report important data on small business. Advocacy economists process and analyze the data to produce easy-to-understand statistical tables and reports downloadable from Advocacy’s website.

In FY 2012, the Office of Advocacy also provided information in easily accessible matrix form about its work products and resource partners. Small Business Data Resources is a listing of online databases by federal agency or private sector source and topic (see Appendix C). The listed databases are hotlinked to their websites and keyed to the small-business-related topics on which they provide information.

Matrices of research by issue area display Advocacy’s annual research products from FY 2008 to FY 2012 and the issue areas they address, broadly framed in three categories:

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\(^1\) Public Law 94-305, 1976. See Appendix A.
• Small business contributions—The impact small businesses make;
• Small business challenges—The hurdles small businesses face; and
• Small business environment—What can be done to facilitate small business success.²

In FY 2012, Advocacy’s Office of Economic Research advanced the mission of providing small business research that is timely and relevant for use by the many stakeholders interested in small business contributions to the U.S. economy.

² See http://www.sba.gov/advocacy/7540/161281
In FY 2012, Advocacy’s Office of Economic Research produced reports on topics ranging from federal tax compliance burdens to entrepreneurship among veterans and women. This section lists Advocacy’s FY 2012 research reports by release date, beginning with the latest, followed by Advocacy contract research, also in reverse chronological order. Visit the Office of Advocacy website for research reports available online: http://www.sba.gov/advocacy/7540/.

Advocacy Research

Frequently Asked Questions about Small Business
http://www.sba.gov/advocacy/7495/29581
This valuable resource gathers dozens of the latest statistics about America’s small business in one place. The FAQ is updated annually, and includes data on the total number of small businesses, their share of employment and net new jobs, plus starts, closures, and overall contributions to the U.S. economy. (Released September 2012.)

Small Business Facts
http://www.sba.gov/advocacy/7540/126001
Various authors.
Periodically, Advocacy presents these one-pagers to focus on one specific small business issue. These Facts enable small business champions and others to better understand the plight of small businesses. (Released May-September 2012.)

- Gender differences in startup financing
- Home values and entrepreneurship
- Startup rates
- Where are the jobs created? New or existing businesses?
- What is the level of availability and coverage of health insurance in small firms?
- Do economic or industry factors affect business survival?
- What is the difference between self-employer businesses and sole proprietors?
- Credit card financing and small business

Small Business Quarterly Bulletin, Second Quarter 2012
Advocacy’s Small Business Quarterly Bulletin for the second quarter of 2012 shows economic variables related to small business. (Released September 2012.)
Small Business Lending in the United States, 2010-2011
Victoria Williams
Research Summary No. 398
This report is an update to Advocacy’s annual publication that provides information on the lending activities of depository institutions in the United States. The U.S. economy continued to recover and improved moderately during the second half of 2011 as some economic indicators turned upward. Financial market conditions were to some extent supportive of economic growth, but the credit supply for smaller firms remained tighter than for larger firms relative to historic norms. (Released July 2012.)

Quarterly Lending Bulletin, First Quarter 2012
Small business borrowing remained slow in the first quarter of 2012. The number of C&I loans increased, while commercial real estate loans remained unchanged. (Released July 2012.)

Small Business Quarterly Bulletin, First Quarter 2012
Advocacy’s Small Business Quarterly Bulletin for the first quarter of 2012 shows economic variables related to small business. (Released June 2012.)

Small Business Quarterly Bulletin, Fourth Quarter 2011
http://www.sba.gov/sites/default/files/SBQB_2011q4_0.pdf
Advocacy’s Small Business Quarterly Bulletin for the fourth quarter of 2011 shows economic variables related to small business. (Released April 2012.)

The Small Business Economy, 2011
http://www.sba.gov/advocacy/849/6282
Small businesses were challenged as the economy recovered from the recent recession. As in previous editions of The Small Business Economy, the key set of reference tables (Section A) documents various aspects of small business participation in the American economy. Many economic indicators began to show positive improvement in the months following the end of the most recent recession. The Office of Advocacy tracked small business financing trends in The Small Business Economy. This year the key financial data (Section B) tracked important trends such as movements in interest rates, credit market borrowing by businesses, their sources and uses of funds, finance company borrowing, initial public offerings of common stock, and venture capital. (Released March 2012.)
Veteran-owned Businesses and their Owners—Data from the Census Bureau’s Survey of Business Owners
http://www.sba.gov/advocacy/7540/132031
Joseph Sobota with contributions from Jules Lichtenstein
Research Summary No. 393
Businesses owned by veterans and by service-disabled veterans have been a research priority for the U.S. Small Business Administration’s Office of Advocacy since the enactment of the Veterans Entrepreneurship and Small Business Development Act of 1999, Public Law 106-50. This report continues Advocacy’s ongoing veteran entrepreneurship research program and features data on veteran-owned businesses and their owners. The report is based on 2007 Survey of Business Owners data released in 2011. (Released March 2012.)

Quarterly Lending Bulletin, Fourth Quarter 2011
Small business borrowing remained subdued in the fourth quarter of 2011. Advocacy’s Quarterly Lending Bulletin shows that total small business borrowing declined at a much slower pace than in the previous quarter. The value of small business commercial and industrial (C&I) loans increased for the first time in seven quarters. (Released March 2012.)

Report on the Regulatory Flexibility Act, FY 2011
http://www.sba.gov/sites/default/files/11regflx_0.pdf
Research Summary No. 391
The Regulatory Flexibility Act (5 U.S.C. 601-612) requires federal agencies to consider the effects of their regulatory actions on small businesses and other small entities and to minimize any undue disproportionate burden. The Chief Counsel for Advocacy of the U.S. Small Business Administration is charged with monitoring federal agencies’ compliance with the act and with submitting an annual report to Congress. The Office of Economic Research contributes data on small business cost savings as a result of this work. In FY 2011, Advocacy’s RFA efforts helped save nearly $11.7 billion in first-year regulatory costs for small businesses (Released February 2012.)

2011 Small Business Profiles for the States and Territories
http://www.sba.gov/advocacy/848/41391
The economic condition of small businesses in the United States is captured in the latest edition of the Small Business Profiles for the States and Territories. This annual publication from the Office of Advocacy provides information on the demographics of business ownership, employment, industry composition, and small business income, for each of the 50 states and the District of Columbia. The publication provides available limited data on the U.S. territories. (Released January 2012.)
Financial conditions in the third quarter continued to be supportive of economic growth. Nonetheless, demand for commercial and industrial (C&I) loans remained weak. Overall, the results indicate that small business lending appears to be stable compared with previous quarters and other economic indicators. (Released December 2011.)

In FY 2011, the Office of Advocacy’s Office of Economic Research (OER) continued to offer timely research on a variety of small business topics, with a particular focus on small business job creation and financing. In fiscal year 2011, the office published 25 separate contract and internal research reports about topics including small business innovation, demographics of ownership, and capital formation. The office produced several new well-received series, including a Quarterly Lending Bulletin and Frequently Asked Questions about Small Business Finance. OER continued to provide easy-to-understand tables and reports downloadable from the website. Beyond research products, the office sponsored two research conferences in FY 2011, the first in October 2010, on innovation and financing in high-impact businesses, the second in September 2011 on the small business debt and equity capital crunch. (Released December 2011.)

This study by Eagle Eye Publishers documents the role and impact of federal procurement programs on small businesses. It provides a backdrop to evaluate the impact of the American Recovery and Reinvestment Act on small business contracting. (Released May 2012.)

The importance of immigrant entrepreneurs to the U.S. economy has been very well documented in Advocacy studies and elsewhere in the economic literature. They contribute greatly to the economy, have high business formation rates, and create successful businesses that hire employees and export goods and services. Lacking, however, was a thorough look at the financial picture that would complement what we know of them. This study, using data from the 2007 U.S. Survey of Business
Owners, attempts to complete the picture on immigrant entrepreneurship and addresses questions such as the following: What hurdles do they face accessing capital? How do they use capital? (Released May 2012.)

State Antitrust Activity’s Impact on Small Business Entry
http://www.sba.gov/advocacy/7540/139551
Robert M. Feinberg, Chevy Chase, MD
Research Summary No. 395
Potential business owners have a lot to debate before starting a business. For instance, does a state’s level of antitrust enforcement have an impact on small business entry? The study finds that lower levels of a state’s rate of economic growth (gross state product) and lower state and local tax burdens increase entry. But the research also found weak evidence for relatively high levels of a state’s antitrust enforcement increasing small business entry. Small firms view a vigorous antitrust policy as a desirable feature of a state’s law enforcement profile. (Released April 2012.)

The Dynamic Relationship between Entrepreneurship, Unemployment, and Growth: Evidence from U.S. Industries
http://www.sba.gov/advocacy/7540/132441
Jose M. Plehn-Dujowich, Plehn Analytical Economic Solutions, LLC, Willow Grove, PA
Research Summary No. 394
Entrepreneurship, economic growth, and unemployment are interrelated: exactly how is the subject of this research. Does entrepreneurship lead to economic growth or vice versa? Does entrepreneurship lower unemployment, or does unemployment lead to entrepreneurship? Without the answers to such questions, policymakers may be attempting to treat the symptoms of economic problems rather than devising real solutions for unemployment or slow growth. Moreover, whereas economic growth and unemployment are often the focus of academic and media attention, the importance of entrepreneurship in this triad is often overlooked. The researcher examined ten U.S. industry sectors to determine whether there are “Granger-causal” relationships between entrepreneurship, economic growth, and unemployment. (Released March 2012.)

Understanding Small Business Activity at the State Level
http://www.sba.gov/advocacy/7540/47471
John Deskins, Creighton University; Tami Gurley-Calvez, West Virginia University, Eric Thompson, University of Nebraska–Lincoln
Research Summary No. 392
The study examines the impact of small business activity by industry on overall state economic growth. A few studies have focused on the impact of small business in general at the state level, but their results make it clear that the differing industry mixes among states have skewed the results. (Released February 2012.)
Small Business GDP: Update 2002-2010  
http://www.sba.gov/advocacy/7540/42371  
Kathryn Kobe, Economic Consulting Services, LLC  
Research Summary No. 390  
U.S. gross domestic product (GDP) is the market value of the goods and services produced by labor and property located in the United States. This research takes each component of private nonfarm GDP and estimates the proportions produced by small and large businesses. The study is another installment in the series of studies sponsored by the Office of Advocacy on small businesses’ contribution to GDP, the most recent of which was published in April 2007. (Released January 2012.)

Analysis of Small Business Innovation in Green Technologies  
http://www.sba.gov/advocacy/7540/28811  
Anthony Breitzman and Patrick Thomas, 1790 Analytics  
Research Summary No. 389  
Small innovative firms are 16 times more productive than large innovative firms in terms of patents per employee, and the patents of small firms were cited 79 percent more by recent patents than is typical for other patents of the same age and patent classification. Patents for “green” products form a higher percentage of the portfolios of small firms with at least one green patent than of large firm portfolios, and green patents from small firms are cited 2.5 times as frequently as green patents from large firms. (Released October 2011.)
Data Access

In fiscal year 2012, the Office of Advocacy continued to provide downloadable data and links to data on its website. Data cover businesses with and without employees—employer and nonemployer firms. Most firms are nonemployer firms; the larger share of receipts and payroll are in employer firms.

Small Business Data Resources Tool

Information proliferates on the Internet, but timely, accurate, extensive, and accessible databases are as good as gold—and equally hard to find. With more than 30 years of experience mining federal data sources from the Census Bureau to the Federal Financial Institutions Examination Council, the Office of Advocacy in FY 2012 offered a research tool for small business researchers and policymakers, a hyperlinked listing of Small Business Data Resources (Appendix C).

The tool lists online databases by federal agency or private sector source, hyperlinks the listings to their websites, and keys them to the small-business-related topics on which they provide information—all in two one-page summaries. The databases listed provide a wealth of information from federal government agencies, as well as nongovernment private sector, university, nonprofit, international, and other sources. Key topics include demographics, employment, exports, finance, firm size data, firms and establishments, health care, income and sales, pension coverage, taxes, and training. Small Business Data Resources is an invaluable tool for researchers, policymakers, small business trade associations, and members of the media interested in small businesses’ role in the economy.

Although the list includes many of the most widely used data resources, Advocacy notes that inclusion of any specific database on the list does not constitute an endorsement by the Office of Advocacy or the Small Business Administration.

Downloadable Data

The Office of Advocacy posts firm size data from a number of sources on its website. Advocacy defines a small business for research purposes as an independent business having fewer than 500 employees. Firm size data for employer firms are from the Statistics of U.S. Businesses (SUSB), Business Dynamics Statistics (BDS), and Business Employment Dynamics (BED) programs. Data on nonemployers are available from the Nonemployer Statistics (NE) program. The programs are annual and are from the U.S. Census Bureau, except the Business Employment Dynamics, which is quarterly and from the U.S. Department of Labor, Bureau of Labor Statistics (BLS). BDS and BED have an age component. All of the programs are essentially based on the universe of private-sector businesses.

Detailed data on owner and business characteristics are available from the U.S. Census Bureau’s Survey of Business Owners (SBO) in years ending in 2 or 7. SBO, which is part of the Economic Census, remains unfunded for 2012.

Statistics of U.S. Businesses

The Office of Advocacy partially funds the U.S. Census Bureau to produce data by employer firm size in the Statistics of U.S. Businesses (SUSB) program. SUSB’s employer data include the number of firms, number of establishments, employment, and annual payroll for employment firm size categories by location and industry. A firm is defined as an aggregation of all establishments owned by a parent company (within a geographic location and/or industry) with some annual payroll. The data consist of static and dynamic data. Static data are a “snapshot” of firms at a point in time. Dynamic data follow firms from year to year and report job creation and destruction and business births and deaths. Available data include the following:

**U.S. static data**
- U.S. data including multiple tables
- Detailed industry data, NAICS 2002, NAICS 1997, SIC

**U.S. dynamic data**
- U.S. data including multiple tables (births, deaths, growth, and decline)
- Detailed industry data

**State, metropolitan statistical area (MSA), and county static data**
- State and MSA data including multiple tables
- State major industry data
- State detailed industry data
- MSA major industry data
- Counties
- Micropolitan statistics, see Census’ Statistics of U.S. Businesses

**State, MSA, and county dynamic data**
- State and MSA data including multiple tables (births, deaths, growth, and decline)
- State major industry data, NAICS, SIC
- State MSA and Non-MSA totals
- MSA data
- Counties

**Additional Notes**
- Employment size categories are based on the employment size of the firm in all industries and locations. For example, if a firm has 20 employees in an
industry but 10,000 total employees, the firm will be included in the 500+ employee category.

- Industries are defined according to the Standard Industrial Classification (SIC) and the North American Industry Classification System (NAICS).
- Annual payroll and receipts are in thousands of dollars.
- Information is available about the process of producing the Statistics of U.S. Business.

**Business Dynamics Statistics**

Business Dynamics Statistics (BDS) include employer firm data by firm age. Visit the U.S. Census Bureau’s Business Dynamics Statistics program for more extensive background about the data and see the BDS database list for more detailed data on firm size, state, and major industry (includes text files). Available data include the following:

- Firms and establishments by firm age
- Employment by firm age
- Establishments and employment by employment size of firm
- State data
- Major industry data

**Business Employment Dynamics**

BED contains employer firm data with a focus on employment changes from establishment entry, growth, decline, and exit. Much of the information dates to mid-1992. Note that the data are quarterly and some establishments may close and reopen during the year. Fortunately, BLS presents the data in two ways to capture the seasonal firms by listing establishment openings—establishments that did not exist in the previous quarter—and establishment births—establishments that did not exist in the previous year. Classifications are similar for closings and deaths. Visit the U.S. Bureau of Labor Statistics’ BED program for background and more detailed data. Available data include the following:

- Establishment births, deaths, and associated employment
- State quarterly establishment births, deaths, and associated employment
- Quarterly net job change by employment size of firm
- Employer firms by employment size of firm
- Employment by employment size of firm
- Establishment age and survival
- Establishment size of change

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4 See the background paper, *Business Formation and Dynamics by Business Age: Results from the New Business Dynamics Statistics*, by John Haltiwanger, Ron Jarmin, and Javier Miranda for information on the data program.

5 See the background paper, *Measuring Job and Establishment Flows with BLS Longitudinal Microdata*, by Timothy Pivetz, Michael Searson, and James Spletzer for information about the data program.
Nonemployer Statistics

A nonemployer firm is defined as one that has no paid employees, has annual business receipts of $1,000 or more ($1 or more in the construction industries), and is subject to federal income taxes. Nonemployers account for about 3 percent of business receipts, and about three-quarters of all businesses. See the U.S. Census Bureau’s Nonemployer Statistics for more detailed information. The nonemployer section also contains capital expenditure data for both employers and nonemployers. See the U.S. Census Bureau’s Annual Capital Expenditures Survey for more details. In recent years, the U.S. Census Bureau has begun using noise infusion for disclosure avoidance. Available data include the following:

- U.S. industry data, state totals, and capital expenditures for employers and nonemployers (Note: 2009 data were recalculated.)
- For county data, go directly to the U.S. Census Bureau’s Nonemployer Statistics
Appendix A: Research Functions

Public Law 94-305: Research Functions of the Office of Advocacy

Public Law 94-305 established the Office of Advocacy within the U.S. Small Business Administration and included a list of Advocacy’s primary functions codified in 15 U.S.C. § 634b. Paragraph 11 was added to the list by P.L. 96-481 in 1980 and paragraph 12 was added by P.L. 106-50 in 1999.


The primary functions of the Office of Advocacy shall be to—

(1) examine the role of small business in the American economy and the contribution which small business can make in improving competition, encouraging economic and social mobility for all citizens, restraining inflation, spurring production, expanding employment opportunities, increasing productivity, promoting exports, stimulating innovation and entrepreneurship, and providing an avenue through which new and untested products and services can be brought to the marketplace;
(2) assess the effectiveness of existing Federal subsidy and assistance programs for small business and the desirability of reducing the emphasis on such existing programs and increasing the emphasis on general assistance programs designed to benefit all small businesses;
(3) measure the direct costs and other effects of government regulation on small businesses; and make legislative and nonlegislative proposals for eliminating excessive or unnecessary regulations of small businesses;
(4) determine the impact of the tax structure on small businesses and make legislative and other proposals for altering the tax structure to enable all small businesses to realize their potential for contributing to the improvement of the Nation’s economic well-being;
(5) study the ability of financial markets and institutions to meet small business credit needs and determine the impact of government demands for credit on small businesses;
(6) determine financial resource availability and to recommend methods for delivery of financial assistance to minority enterprises, including methods for securing equity capital, for generating markets for goods and services, for providing effective business education, more effective management and technical assistance, and training, and for assistance in complying with Federal, State, and local law;
(7) evaluate the efforts of Federal agencies, business and industry to assist minority enterprises;
(8) make such other recommendations as may be appropriate to assist the development and strengthening of minority and other small business enterprises;
(9) recommend specific measures for creating an environment in which all businesses will have the opportunity to compete effectively and expand to their full potential, and to ascertain the common reasons, if any, for small business successes and failures;
(10) determine the desirability of developing a set of rational, objective criteria to be used to define small business, and to develop such criteria, if appropriate;
(11) advise, cooperate with, and consult with, the Chairman of the Administrative Conference of the United States with respect to section 504(e) of title 5; and
(12) evaluate the efforts of each department and agency of the United States, and of private industry, to assist small business concerns owned and controlled by veterans, as defined in section 632(q) of this title, and small business concerns owned and controlled by service-disabled veterans, as defined in such section 632(q) of this title, and to provide statistical information on the utilization of such programs by such small business concerns, and to make appropriate recommendations to the Administrator of the Small Business Administration and to the Congress in order to promote the establishment and growth of those small business concerns.
Appendix B: Frequently Asked Questions

Small businesses comprise what share of the U.S. economy?
Small businesses make up:
- 99.7 percent of U.S. employer firms,
- 64 percent of net new private-sector jobs,
- 49.2 percent of private-sector employment,
- 42.9 percent of private-sector payroll,
- 46 percent of private-sector output,
- 43 percent of high-tech employment,
- 98 percent of firms exporting goods, and
- 33 percent of exporting value.


How many small businesses are there?
In 2010 there were 27.9 million small businesses, and 18,500 firms with 500 employees or more. Over three-quarters of small businesses were nonemployers; this number has trended up over the past decade, while employers have been relatively flat (figure 1).

What is a small business?
The Office of Advocacy defines a small business as an independent business having fewer than 500 employees. For the small business definition by industry used in government programs and contracting, see www.sba.gov/content/small-business-size-standards.

What percent of small businesses operate as . . . ?
The many kinds of small businesses are shown in table 1. The definitions overlap so the shares total more than 100.

<table>
<thead>
<tr>
<th>Kind of Business</th>
<th>Share (percent)</th>
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<tbody>
<tr>
<td>Home-based business</td>
<td>52.0</td>
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<tr>
<td>Franchise</td>
<td>2.0</td>
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<tr>
<td>Sole proprietor</td>
<td>73.2</td>
</tr>
<tr>
<td>Corporation</td>
<td>19.5</td>
</tr>
<tr>
<td>Employer business</td>
<td>21.5</td>
</tr>
<tr>
<td>Nonemployer (business without employees)</td>
<td>78.5</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, SBO, SUSB.

What is small businesses’ share of net new jobs?
Small firms accounted for 64 percent of the net new jobs created between 1993 and 2011 (or 11.8 million of the 18.5 million net new jobs). Since the latest recession, from mid-2009 to 2011, small firms, led by the larger ones in the category (20-499 employees), accounted for 67 percent of the net new jobs.


How can small businesses’ share of net new jobs be larger than their share of employment, yet their share of employment remains steady?
As firms grow, they change employment size classes. So as small firms grow, their growth counts toward small firm job gains; but if they pass the 500-employee mark, their employment is classified as large firm employment.

Do the unemployed become self-employed?
When finding work is difficult, starting a business can be just as difficult if not more so. But in March 2011, a significant number of the self-employed, 5.5 percent or about 900,000, had been unemployed in the previous year. This figure was up from March 2006 and March 2001, when it was 3.6 and 3.1 percent, respectively.

Which businesses create more jobs—startups or existing businesses?
In the last two decades about 60 percent of the private sector’s net new jobs have been created by existing establishments and about 40 percent from the churn of startups minus closures. While firm births account for many new jobs, job losses from firm closures are equally important in accounting for net effects to employment levels.

Source: Bureau of Labor Statistics, BED.
What happens to the jobs created by startups?
The total employment from a group of startups is highest at birth and declines as the firms age. Put another way, employment gains from growing businesses are less than employment declines from shrinking and closing businesses (figure 2).

What is the status of the startup market?
While the number of new employer businesses has recovered from the recessionary dip, the average employment of these businesses has been declining over the past decade (figure 3).

How many businesses do women own?
While women-owned firms have increased as a share of total businesses over the years, their size still remains smaller than national averages. The 7.8 million women-owned firms averaged $130,000 in receipts in 2007 (table 2).

How many businesses do minorities own?
Asian-owned businesses numbered 1.6 million in 2007 and have average receipts of $290,000. African-American-owned businesses numbered 1.9 million in 2007 and have average receipts of $50,000. Hispanic-American-owned businesses numbered 2.3 million in 2007 and have average receipts of $120,000. Native American/Islander-owned businesses numbered 0.3 million in 2007 and have average receipts of $120,000 (table 2).

How many businesses do veterans own?
Veteran-owned businesses numbered 3.7 million in 2007, with average receipts of $450,000 (table 2).

Is youth entrepreneurship increasing?
Self-employment among younger age groups has been dropping. From 2005 to 2010, self-employment among individuals age 25 and under decreased 19 percent (compared to a 7 percent drop in the overall population). In contrast, self-employment among those age 65 and over increased 24 percent over this period as their population grew. Self-employment rates increase with age; for example, they were 2 percent for those 25 and under and 23 percent for those 65 and over in 2010.

What are the home-based business trends?
The share of firms that primarily operate out of the home was unchanged from 2002 to 2007 at 52 percent (the latest figure available). Employers had a lower share than nonemployers, 24 percent vs. 63 percent, respectively, in 2007. Of the major industries, construction had the highest share of home-based businesses, 70 percent. (Being home-based is not synonymous with working at home.) It is interesting to note that retail trade went from 49 percent home-based in 2002 to 44 percent in 2007 while the share of Internet retail sales went from 1 percent to 3 percent of total retail sales.

What does franchise survival compare with independent business survival?
Survival among independent businesses and franchises appears to be similar, as they have similar age distributions. Of course each potential business owner debating an independent business or franchise arrangement will have unique factors to weigh, such as their managerial talent and sales abilities.
Source: Advocacy research, Do Business Definition Decisions Distort Small Business Research Results? http://archive.sba.gov/advo/research/rs330tot.pdf. Note that about half of the franchises in the data were nonemployers, which may not be the stereotypical franchise that individuals imagine.

How many businesses open and close each year?
About 10-12 percent of firms with employees open each year and about 10-12 percent close (table 3). Employer firm births were down and deaths were up in the most recent available data because of the downturn. But establishment birth figures from 2011 show gains (figure 4). Nonemployer firms have turnover rates three times as high as employer firms, mostly because it is easier for nonemployers to start and stop, as they tend to be smaller than employer firms. Business bankruptcies numbered 48,000 in 2011, a decline of the about 60,000 over the previous two years. Note that not all firm deaths are business bankruptcies, and many business owners file personal bankruptcy instead of business bankruptcy.

What is the survival rate for new businesses?
About half of all new establishments survive five years or more and about one-third survive 10 years or more. As one would expect, the probability of survival increases with a firm’s age. Survival rates have changed little over time (figure 5).

How do small and large businesses compare on innovation?
Of high patenting firms (15 or more in a four-year period), small businesses produced 16 times more patents per employee than large patenting firms. Research also shows that increasing the number of employees correlates with increased innovation while increasing sales does not.


How are small businesses financed?
Small businesses are financed through owner savings; loans from family, friends, and commercial lenders; bonds; stocks; ownership stakes; and other arrangements. For detailed financing information, see Advocacy’s Frequently Asked Questions about Small Business Finance, www.sba.gov/advocacy/9601.

How are credit conditions for small firms?
For up-to-date statistics, see Advocacy’s quarterly reports, www.sba.gov/advocacy/10871.

What is small businesses’ share of federal government procurement?
In fiscal year 2011, 21.7 percent of federal government small-business–eligible purchases went to small businesses. The Department of Defense accounted for the majority of small business procurement.


How are business churn and the economy related?
Business churn (the sum of the firm birth and death rates) tends to follow the change in GDP with a six-quarter lag (figure 6). Recently, churn has been down, which may be a response to the general decline in output.

Table 3: Employer Firm Births and Deaths*

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*Figures are March to March. Source: U.S. Census Bureau, SUSB.

How are small businesses financed?
Small businesses are financed through owner savings; loans from family, friends, and commercial lenders; bonds; stocks; ownership stakes; and other arrangements. For detailed financing information, see Advocacy’s Frequently Asked Questions about Small Business Finance, www.sba.gov/advocacy/9601.

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What are the effective tax rates for small businesses?

The average effective tax rate for businesses organized as sole proprietorships was 13.3 percent in 2004, with small S corporations facing the highest rates (table 4). (An effective tax rate is usually defined as the amount of tax paid as a fraction of net income or profit.)

Table 4: Effective Tax Rates, 2004

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<td>C corporation</td>
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What legal form of organization are small businesses?

Sole proprietors and partnerships constituted 94 percent of nonemployers in 2010 and of the corporations, most were likely S corporations which are taxed at personal rates. Twenty-two percent of small employers were C corporations in 2009, with 71 percent taxed at personal rates and 7 percent nonprofits (figure 7).

Do you have any newer data?

For updates of many quarterly small business indicators, see www.sba.gov/advocacy/10871. For more details and information, visit Advocacy’s general website, www.sba.gov/advocacy. Two of the most comprehensive pages are the Data Resources page and the Firm Size Data page. Both are accessible from www.sba.gov/advocacy/849. Two other often visited pages are the Banking Study (www.sba.gov/advocacy/7540/173967) and the State Small Business Profiles (www.sba.gov/advocacy/848). Additional questions may be emailed to advocacy@sba.gov.

Abbreviations & Sources


About the Office of Advocacy

The SBA’s Office of Advocacy was created by Congress in 1976. Part of the office’s mission includes conducting policy studies and economic research on issues of concern to small businesses. The office also publishes data on small firm characteristics and contributions. For further data and research information, visit the Office of Advocacy’s website at www.sba.gov/advocacy/847.
# Appendix C: Small Business Data Resources

## Small Business Data Resources: U.S. Federal Government

The following list includes major sources of data collected by the U.S. government and available for research on small business. Inclusion of a source on this list does not constitute an endorsement by the Office of Advocacy or the Small Business Administration.

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- Demographics: Information about the size and characteristics of the population (e.g., age, gender, race, ethnicity, education, income, etc.).
- Employment: Data on the labor force, employment by industry, and labor market conditions.
- Exports: Information on exports by country, product, and industry.
- Finance: Data on financial statistics, including sales, profits, and financial ratios.
- Firm / Establishment: Data on firms, establishments, and their characteristics.
- Health: Health statistics related to the population and labor force.
- Income / Sales / Expenses: Data on income, sales, and expenses for businesses.
- Pensions: Data on pension plans and benefits.
- Taxes: Data on taxes paid by businesses.
- Training: Data on training and education programs.

Small Business Data Resources: Other than U.S. Federal Government

The following list includes business data from private, nonprofit, university, international, and other sources. Inclusion of a source on this list does not constitute an endorsement by the Office of Advocacy or the Small Business Administration.

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