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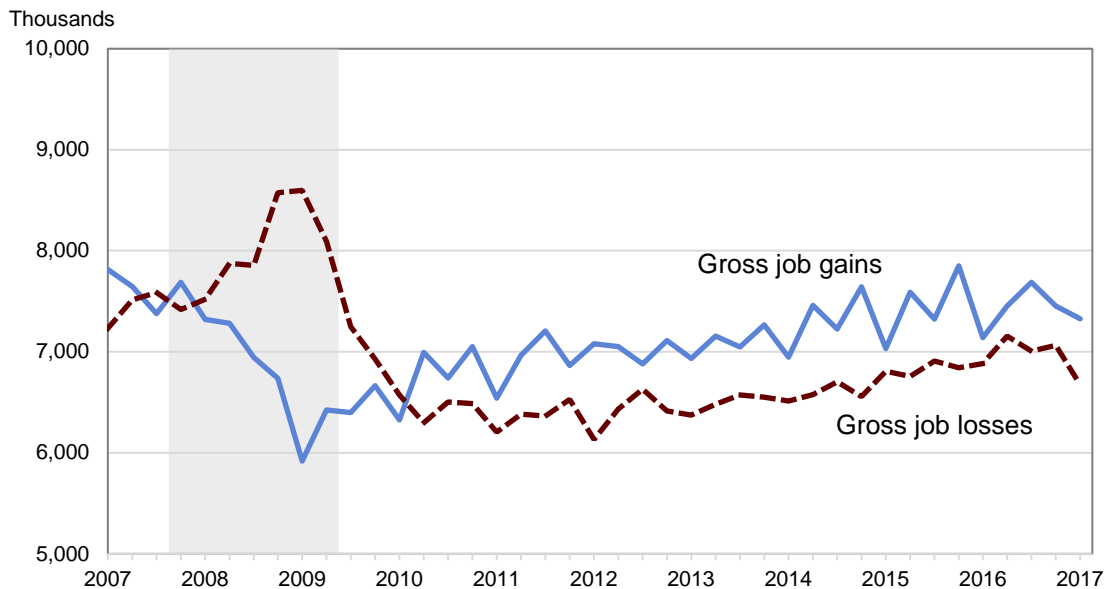
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Technical Information: (202) 691-6553 • BDMInfo@bls.gov • www.bls.gov/bdm  
 Media Contact: (202) 691-5902 • PressOffice@bls.gov

## BUSINESS EMPLOYMENT DYNAMICS – FIRST QUARTER 2017

From December 2016 to March 2017, **gross job gains** from opening and expanding private-sector establishments were 7.3 million, a decrease of 127,000 jobs over the quarter, the U.S. Bureau of Labor Statistics reported today. Over this period, **gross job losses** from closing and contracting private-sector establishments were 6.7 million, a decrease of 391,000 jobs from the previous quarter. The difference between the number of gross job gains and the number of gross job losses yielded a **net employment gain** of 654,000 jobs in the private-sector during the first quarter of 2017. (See chart 1, and tables A and 1.)

**Chart 1. Total private sector gross job gains and gross job losses, seasonally adjusted**  
 March 2007 - March 2017



NOTE: Shaded area represents National Bureau of Economic Research (NBER) defined recession period.

The change in the number of jobs over time is the net result of increases and decreases in employment that occur at all private businesses in the economy. Business Employment Dynamics (BED) statistics track these changes in employment at private-sector establishments from the third month of one quarter to the third month of the next. The difference between the number of gross job gains and the number of gross job losses is the net change in employment. (See Technical Note.) The BED data series include gross job gains and gross job losses by industry subsector, for the 50 states, the District of Columbia, Puerto Rico, and the Virgin Islands, as well as gross job gains and gross job losses at the firm level by employer size class.

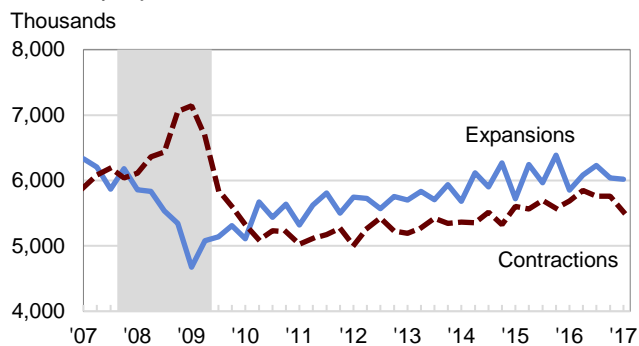
## Gross Job Gains

In the first quarter of 2017, gross job gains represented 6.0 percent of private-sector employment. Gross job gains are the sum of increases in employment due to expansions at existing establishments and the addition of new jobs at opening establishments. Gross job gains at **expanding** establishments totaled 6.0 million in the first quarter of 2017, a decrease of 21,000 compared to the previous quarter. **Opening** establishments accounted for 1.3 million of the jobs gained in the first quarter of 2017, a decrease of 106,000 jobs from the previous quarter. (See charts 2 and 3, and tables A, 1, 2, and 3.)

## Gross Job Losses

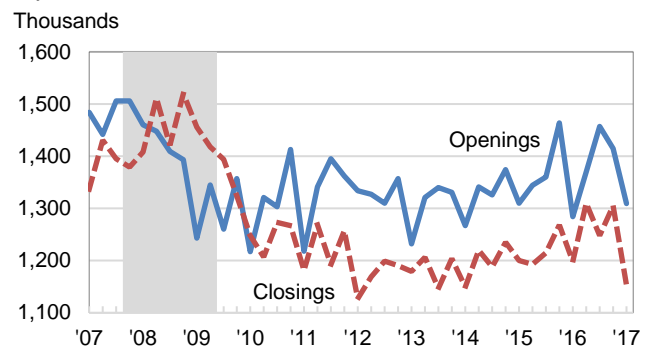
In the first quarter of 2017, gross job losses represented 5.4 percent of private-sector employment. Gross job losses are the result of contractions in employment at existing establishments and the loss of jobs at closing establishments. **Contracting** establishments lost 5.5 million jobs in the first quarter of 2017, a decrease of 239,000 jobs from the prior quarter. In the first quarter of 2017, **closing** establishments lost 1.2 million jobs, a decrease of 152,000 jobs from the previous quarter. (See charts 2 and 3, and tables A, 1, 2, and 3.)

Chart 2. Components of private sector gross job gains and gross job losses at expanding and contracting establishments, seasonally adjusted: March 2007 - March 2017



NOTE: Shaded area represents NBER defined recession period.

Chart 3. Components of private sector gross job gains and gross job losses at opening and closing establishments, seasonally adjusted: March 2007 - March 2017



NOTE: Shaded area represents NBER defined recession period.

## Establishment Births and Deaths

In the first quarter of 2017, the number of **establishment births** (a subset of the openings data, see the Technical Note for more information) increased by 1,000, to a total of 240,000 establishments. These new establishments accounted for 800,000 jobs, a decrease of 68,000 jobs from the previous quarter. Data for **establishment deaths** (a subset of the closings data) are available through the second quarter of 2016, when 724,000 jobs were lost at 214,000 establishments. (See table 8.)

## Industries

Gross job gains exceeded gross job losses in 12 of 13 industries in the first quarter of 2017. The service-providing industries experienced a net job increase of 451,000 jobs in the first quarter of 2017. Within service-providing industries, leisure and hospitality had the largest over-the-quarter net job increase, with a gain of 172,000 jobs. The net job increase in leisure and hospitality was the result of 1.3 million gross job gains and 1.1 million gross job losses. The transportation and warehousing industry had the only net job decrease over the quarter. The goods-producing industries experienced a net job increase of 203,000 jobs in the first quarter of 2017. All of the goods-producing industries had positive net gains. Construction added 125,000 jobs, natural resources and mining added 55,000 jobs, and manufacturing added 23,000 jobs. (See table 3.)

**Table A. Three-month private sector gross job gains and losses, seasonally adjusted**

Category	3 months ended				
	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017
	Levels (in thousands)				
Gross job gains.....	7,139	7,453	7,689	7,455	7,328
At expanding establishments.....	5,855	6,083	6,232	6,040	6,019
At opening establishments.....	1,284	1,370	1,457	1,415	1,309
Gross job losses.....	6,883	7,157	7,008	7,065	6,674
At contracting establishments....	5,685	5,847	5,760	5,760	5,521
At closing establishments.....	1,198	1,310	1,248	1,305	1,153
Net employment change <sup>1</sup> .....	256	296	681	390	654
	Rates (percent)				
Gross job gains.....	6.0	6.2	6.4	6.2	6.0
At expanding establishments.....	4.9	5.1	5.2	5.0	4.9
At opening establishments.....	1.1	1.1	1.2	1.2	1.1
Gross job losses.....	5.7	6.0	5.8	5.9	5.4
At contracting establishments....	4.7	4.9	4.8	4.8	4.5
At closing establishments.....	1.0	1.1	1.0	1.1	0.9
Net employment change <sup>1</sup> .....	0.3	0.2	0.6	0.3	0.6

<sup>1</sup> The net employment change is the difference between total gross job gains and total gross job losses. See the Technical Note for further information.

### Firm Size

In the first quarter of 2017, firms with 1-49 employees had a net employment gain of 369,000. Firms with 50-249 employees had a net employment gain of 197,000. Firms with 250 or more employees had a net employment gain of 120,000. Of the 2.0 million net jobs created over the last four quarters, firms with 1-49 employees contributed 33.8 percent of net job growth, while firms with 50-249 employees contributed 22.5 percent, and firms with 250 or more employees contributed 43.7 percent. (See tables 4 and 5.)

### States

Gross job gains exceeded gross job losses in 44 states and the District of Columbia in the first quarter of 2017. Over this period, 27 states exceeded the U.S. rate of gross job gains as a percent of employment, which was 6.0 percent. Alaska had the highest rate of gross job gains as a percent of employment at 9.4 percent. Hawaii, Tennessee, and Puerto Rico had the lowest rate of gross job gains as a percent of employment at 5.1 percent. Alaska also had the highest rate of gross job losses as a percent of employment at 9.8 percent, above the national rate of 5.4 percent. Minnesota and the District of Columbia had the lowest rate of gross job losses as a percent of employment at 4.7 percent. (See tables 6 and 7.)

## **For More Information**

Additional information on gross job gains and gross job losses is available online at [www.bls.gov/bdm](http://www.bls.gov/bdm). This information includes data on the levels and rates of gross job gains and gross job losses by firm size, not seasonally adjusted data and other seasonally adjusted time series not presented in this release, charts of gross job gains and gross job losses by industry and firm size, and frequently asked questions on firm size data. Additional information about the Business Employment Dynamics data can be found in the Technical Note of this release or can be obtained by emailing [BDMinfo@bls.gov](mailto:BDMinfo@bls.gov).

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**The Business Employment Dynamics for Second Quarter 2017 are scheduled to be released on Wednesday, January 24, 2018 at 10:00 a.m. (EST).**

### **Revisions to Business Employment Dynamics (BED) Data**

Data in this release incorporate annual revisions to the BED series. Annual revisions are published each year with the release of first quarter data. These revisions cover the last four quarters of not seasonally adjusted data and five years of seasonally adjusted data.

# Technical Note

The Business Employment Dynamics (BED) data are a product of a federal-state cooperative program known as Quarterly Census of Employment and Wages (QCEW). The BED data are compiled by the U.S. Bureau of Labor Statistics (BLS) from existing QCEW records. Most employers in the U.S. are required to file quarterly reports on the employment and wages of workers covered by unemployment insurance (UI) laws and to pay quarterly UI taxes. The QCEW is based largely on quarterly UI reports which are sent by businesses to the State Workforce Agencies (SWAs). These UI reports are supplemented by two additional BLS data collections to render administrative data into economic statistics. Together these data comprise the QCEW and form the basis of the Bureau’s establishment universe sampling frame.

These reports are used to produce the quarterly QCEW data on total employment and wages and the longitudinal BED data on gross job gains and losses. The QCEW is also the employment benchmark for the Current Employment Statistics (CES), Occupational Employment Statistics (OES), and Job Openings and Labor Turnover Survey (JOLTS) programs and is a major input to the Bureau of Economic Analysis’s Personal Income Accounts.

In the BED program, the quarterly QCEW records are linked across quarters to provide a longitudinal history for each establishment. The linkage process allows the tracking of net employment changes at the establishment level, which in turn allows the estimation of jobs gained at opening and expanding units and jobs lost at closing and contracting units.

**Summary of Major Differences between QCEW, BED, and CES Employment Measures**

	<b>QCEW</b>	<b>BED</b>	<b>CES</b>
<b>Source</b>	<ul style="list-style-type: none"> <li>Count of UI administrative records submitted by 9.9 million establishments</li> </ul>	<ul style="list-style-type: none"> <li>Count of longitudinally-linked UI administrative records submitted by 7.9 million private-sector establishments</li> </ul>	<ul style="list-style-type: none"> <li>Sample survey: 634,000 establishments</li> </ul>
<b>Coverage</b>	<ul style="list-style-type: none"> <li>UI and UCFE coverage, including all employers subject to state and federal UI laws</li> </ul>	<ul style="list-style-type: none"> <li>UI coverage, excluding government, private households, and establishments with zero employment</li> </ul>	Nonfarm wage and salary jobs: <ul style="list-style-type: none"> <li>UI coverage, excluding agriculture, private households, and self-employed workers</li> <li>Other employment, including railroads, religious organizations, and other non-UI-covered jobs</li> </ul>
<b>Publication frequency</b>	<ul style="list-style-type: none"> <li>Quarterly               <ul style="list-style-type: none"> <li>– 6 months after the end of each quarter</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Quarterly               <ul style="list-style-type: none"> <li>– 7 months after the end of each quarter</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Monthly               <ul style="list-style-type: none"> <li>– Usually the 3rd Friday after the end of the week including the 12<sup>th</sup> of the month</li> </ul> </li> </ul>
<b>Use of UI file</b>	<ul style="list-style-type: none"> <li>Directly summarizes and publishes each new quarter of UI data</li> </ul>	<ul style="list-style-type: none"> <li>Links each new UI quarter to longitudinal database and directly summarizes gross job gains and losses</li> </ul>	<ul style="list-style-type: none"> <li>Uses UI file as a sampling frame and to annually realign sample-based estimates to population counts (benchmarking)</li> </ul>
<b>Principal products</b>	<ul style="list-style-type: none"> <li>Provides a quarterly and annual universe count of establishments, employment, and wages at the county, MSA, state, and national levels by detailed industry</li> </ul>	<ul style="list-style-type: none"> <li>Provides quarterly employer dynamics data on establishment openings, closings, expansions, and contractions at the national level by NAICS super-sectors, 3-digit NAICS, and by size of firm, and at the state private-sector total level</li> <li>Future expansions will include data with greater industry detail and data at the county and MSA level</li> </ul>	<ul style="list-style-type: none"> <li>Provides current monthly estimates of employment, hours, and earnings at the MSA, state, and national level by industry</li> </ul>
<b>Principal uses</b>	<ul style="list-style-type: none"> <li>Major uses include:               <ul style="list-style-type: none"> <li>– Detailed locality data</li> <li>– Periodic universe counts for benchmarking sample survey estimates</li> <li>– Sample frame for BLS establishment surveys</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Major uses include:               <ul style="list-style-type: none"> <li>– Business cycle analysis</li> <li>– Analysis of employer dynamics underlying economic expansions and contractions</li> <li>– Analysis of employment expansion and contraction by size of firm</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Major uses include:               <ul style="list-style-type: none"> <li>– Principal federal economic indicator</li> <li>– Official time series for employment change measures</li> <li>– Input into other major economic indicators</li> </ul> </li> </ul>
<b>Program Web sites</b>	<ul style="list-style-type: none"> <li><a href="http://www.bls.gov/cew/">www.bls.gov/cew/</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.bls.gov/bdm/">www.bls.gov/bdm/</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.bls.gov/ces/">www.bls.gov/ces/</a></li> </ul>

## Differences between QCEW, BED, and CES employment measures

The Bureau publishes three different establishment-based employment measures for any given quarter. Each of these measures—Quarterly Census of Employment and Wages (QCEW), Business Employment Dynamics (BED), and Current Employment Statistics (CES)—makes use of the quarterly UI employment reports in producing data; however, each measure has a somewhat different universe coverage, estimation procedure, and publication product.

Differences in coverage and estimation methods can result in somewhat different measures of employment change over time. It is important to understand program differences and the intended uses of the program products. (See table.) Additional information on each program can be obtained from the program websites shown in the table.

### Coverage

Employment and wage data for workers covered by state UI and Unemployment Compensation for Federal Employees (UCFE) laws are compiled from quarterly contribution reports submitted to the SWAs by employers. In addition to the quarterly contribution reports, employers who operate multiple establishments within a state complete a questionnaire, called the “Multiple Worksite Report,” which provides detailed information on the location of their establishments. These reports are based on place of employment rather than place of residence. UI and UCFE coverage is broad and basically comparable from state to state.

Major exclusions from UI coverage are self-employed workers, religious organizations, most agricultural workers on small farms, all members of the Armed Forces, elected officials in most states, most employees of railroads, some domestic workers, most student workers at schools, and employees of certain small nonprofit organizations. Gross job gains and gross job losses in this release are derived from longitudinal histories of 7.9 million private sector employer reports out of 9.9 million total reports of employment and wages submitted by states to BLS in the first quarter of 2017. Gross job gains and gross job losses data in this release do not report estimates for government employees or private households (NAICS 814110) and do not include establishments with zero employment in both previous and current quarters. Data from Puerto Rico and the Virgin Islands are also excluded from the national data. The table below shows, in millions of establishments, the number of establishments excluded from the national gross job gains and gross job losses data in the first quarter 2017.

### Number of active establishments included in Business Employment Dynamics data at the national level

	Millions
Total establishments QCEW program.....	9.9
Excluded: Public sector.....	0.3
Private households.....	0.2
Zero employment.....	1.5
Total establishments included in Business Employment Dynamics data.....	7.9

## Unit of analysis

Establishments are used in the tabulation of the BED statistics by industry and firms are used in the tabulation of the BED size class statistics. An establishment is defined as an economic unit that produces goods or services, usually at a single physical location, and engages in one or predominantly one activity. A firm is a legal business, either corporate or otherwise, and may consist of several establishments. Firm-level data are compiled based on an aggregation of establishments under common ownership by a corporate parent using employer tax identification numbers. The firm level aggregation which is consistent with the role of corporations as the economic decision makers are used for the measurement of the BED data elements by size class.

Because of the difference in the unit of analysis, total gross job gains and gross job losses by size class are lower than total gross job gains and gross job losses by industry, as some establishment gains and losses within a firm are offset during the aggregation process. However, the total net changes in employment are the same for not seasonally adjusted data and are similar for seasonally adjusted data.

## Concepts and methodology

The Business Employment Dynamics data measure the net change in employment at the establishment or firm level. These changes come about in one of four ways. A net increase in employment can come from either opening units or expanding units. A net decrease in employment can come from either closing units or contracting units. Gross job gains include the sum of all jobs added at either opening or expanding units. Gross job losses include the sum of all jobs lost in either closing or contracting units. The net change in employment is the difference between gross job gains and gross job losses.

The formal definitions of employment changes are as follows:

*Openings.* These are either units with positive third month employment for the first time in the current quarter, with no links to the prior quarter, or with positive third month employment in the current quarter following zero employment in the previous quarter.

*Expansions.* These are units with positive employment in the third month in both the previous and current quarters, with a net increase in employment over this period.

*Closings.* These are either units with positive third month employment in the previous quarter, with no employment or zero employment reported in the current quarter.

*Contractions.* These are units with positive employment in the third month in both the previous and current quarters, with a net decrease in employment over this period.

*Births.* These are units with positive third month employment for the first time in the current quarter with no links to the prior quarter, or units with positive third month employment in the current quarter and zero employment in the third month of the previous four quarters. Births are a subset of openings not including re-openings of seasonal businesses.

*Deaths.* These are units with no employment or zero employment reported in the third month of four consecutive quarters following the last quarter with positive employment. Deaths are a subset of closings not including temporary shutdowns of seasonal businesses. A unit that closes during the quarter may be a death, but we wait three quarters to determine whether it is a permanent closing or a temporary shutdown. Therefore, there is always a lag of three quarters for the publication of death statistics.

All employment changes are measured from the third month of the previous quarter to the third month of the current quarter. Not all establishments and firms change their employment levels. Units with no change in employment count towards estimates of total employment, but not for levels of gross job gains and gross job losses.

Gross job gains and gross job losses are expressed as rates by dividing their levels by the average of employment in the current and previous quarters. This provides a symmetric growth rate. The rates are calculated for the components of gross job gains and gross job losses and then summed to form their respective totals. These rates can be added and subtracted just as their levels can. For instance, the difference between the gross job gains rate and the gross job losses rate is the net growth rate.

### **Establishment Births and Deaths**

For the purpose of BED statistics, births are defined as establishments that appear in the longitudinal database for the first time with positive employment in the third month of a quarter, or showed four consecutive quarters of zero employment in the third month followed by a quarter in which it shows positive employment in the third month. Similarly, deaths are defined as establishments that either drop out of the longitudinal database or an establishment that had positive employment in the third month of a given quarter followed by four consecutive quarters of showing zero employment in the third month. Although the data for establishment births and deaths are tabulated independently from the data for openings and closings, the concepts are not mutually exclusive. An establishment that is defined as a birth in a given quarter is necessarily an opening as well, and an establishment defined as a death in a quarter must also be a closing. Since openings include seasonal and other re-openings and closings include temporary shutdowns, the not seasonally adjusted values for births and deaths must be less than those for openings and closings. However, because some BED series do not have many re-openings or temporary shutdowns, as well as the fact that births and deaths are independently seasonally adjusted from openings and closings, there may be instances in which the seasonally adjusted value of the former is greater than the latter.

### **Linkage methodology**

Prior to the measurement of gross job gains and gross job losses, QCEW records are linked across two quarters. The linkage process matches establishments' unique SWA identification numbers (SWA-ID). Between 95 and 97 percent of establishments identified as continuous from quarter to quarter are matched by SWA-ID. The rest are linked in one of three ways. The first method uses predecessor and successor information, identified by the states, which relates records with different SWA-IDs across quarters. Predecessor and successor relations can come about for a variety of reasons, including a change in ownership, a firm restructuring, or a UI account restructuring. If a match cannot be attained in this manner, a probability-based match is used. This match attempts to identify two establishments with different SWA-IDs as continuous. The match is based upon comparisons such as the same name, address, and phone number. Third, an analyst examines unmatched records individually and makes a possible match.

In order to ensure the highest possible quality of data, SWAs verify with employers and update, if necessary, the industry, location, and ownership classification of all establishments on a 3-year cycle. Changes in establishment classification codes resulting from the veri-

fication process are introduced with the data reported for the first quarter of the year. Changes resulting from improved employer reporting also are introduced in the first quarter.

### **Sizing methodology**

The method of dynamic sizing is used in calculations for the BED size class data series. Dynamic sizing allocates each firm's employment gain or loss during a quarter to each respective size class in which the change occurred. For example, if a firm grew from 2 employees in quarter 1 to 38 employees in quarter 2, then, of the 36-employee increase, 2 would be allocated to the first size class, 5 to the size class 5 to 9, 10 to size class 10 to 19, and 19 to size class 20 to 49.

Dynamic sizing provides symmetrical firm-size estimates and eliminates any systematic effects which may be caused by the transitory and reverting changes in firms' sizes over time. Additionally, it allocates each job gain or loss to the actual size class where it occurred.

### **Annual Data**

The annual gross job gains and gross job losses measure the net change in employment at the establishment level from the third month of a quarter in the previous year to the third month of the same quarter in the current year. The BLS publishes annual BED data based on March-to-March changes once a year with the release of the first quarter BED data. The annual data based on over-the-year changes for other quarters of the year are available upon request. The definitions and methodology in measuring annual gross job gains and gross job losses are similar to the quarterly measures. The linkage method considers all predecessor and successor relations that may come about due to changes in ownership and corporate restructuring over the entire year. At the establishment level, some of the quarterly job gains and job losses are offset during the estimation over the year. Therefore, the sum of four quarters of gross job gains and gross job losses are not equal to annual gross job gains and gross job losses. The net change in employment over the year, however, is equal to the sum of four quarterly net changes on a not seasonally adjusted basis.

### **Seasonal adjustment**

Over the course of a year, the levels of employment and the associated job flows undergo sharp fluctuations due to such seasonal events as changes in the weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. The effect of such seasonal variation can be very large.

Because these seasonal events follow a more or less regular pattern each year, their influence can be eliminated by adjusting these statistics from quarter to quarter. These adjustments make nonseasonal developments, such as declines in economic activity, easier to recognize. For example, the large number of youths taking summer jobs is likely to obscure other changes that have taken place in June relative to March, making it difficult to determine if the level of economic activity has risen or declined. However, because the effect of students finishing school in previous years is known, the statistics for the current year can be adjusted to allow for a comparable change. The adjusted figures provide a more useful tool with which to analyze changes in economic activity.

The employment data series for opening, expanding, closing, and contracting units are independently seasonally adjusted; net changes are calculated based on the difference between gross job gains and gross job losses. Similarly, for industry data, the establishment counts data series for opening, expanding, closing, and contracting establishments are independently adjusted, and the net changes are calculated

based on the difference between the number of opening and closing establishments. Additionally establishment and employment levels are independently seasonally adjusted to calculate the seasonally adjusted rates. Concurrent seasonal adjustment is run using X-13 ARIMA-SEATS. Seasonally adjusted data series for total private are the sum of seasonally adjusted data of all sectors including the unclassified sector, which is not separately published.

The net over-the-quarter change derived by summing the BED component series will differ from the net employment change estimated from the seasonally adjusted total private employment series from the CES program. The intended use of BED statistics is to show the dynamic labor market changes that underlie the net employment change statistic. As such, data users interested particularly in the net employment change and not in the gross job flows underlying this change should refer to CES data for over-the-quarter net employment changes.

#### **Reliability of the data**

Since the data series on Business Employment Dynamics are based on administrative rather than sample data, there are no issues related to sampling error. Nonsampling error, however, still exists. Nonsampling errors can occur for many reasons, such as the employer submitting corrected employment data after the end of the quarter or typographical errors made by businesses when providing information. Such errors, however, are likely to be distributed randomly throughout the dataset.

Changes in administrative data sometimes create complications for the linkage process. This can result in overstating openings and clos-

ings while understating expansions and contractions. The BLS continues to refine methods for improving the linkage process to alleviate the effects of these complications.

The BED data series are subject to periodic minor changes based on corrections in QCEW records, updates on predecessors and successors information, and seasonal adjustment revisions.

Annual revisions are published each year with the release of the first quarter data. These revisions cover the last four quarters of not seasonally adjusted data and 5 years of seasonally adjusted data.

#### **Additional statistics and other information**

Several other programs within BLS produce closely related information. The QCEW program provides both quarterly and annual estimates of employment by state, county, and detailed industry. News releases on quarterly county employment and wages and the annual bulletin also are available upon request from the Division of Administrative Statistics and Labor Turnover (Quarterly Census of Employment and Wages), telephone (202) 691-6567; ([www.bls.gov/cew/](http://www.bls.gov/cew/)); (e-mail: [QCEWInfo@bls.gov](mailto:QCEWInfo@bls.gov)).

The Current Employment Statistics (CES) program produces monthly estimates of employment, its net change, hours, and earnings by detailed industry. These estimates are part of the Employment Situation report put out monthly by BLS.

The Job Openings and Labor Turnover Survey (JOLTS) program provides monthly measures of job openings, as well as employee hires and separations.

Information in this release will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; TDD message referral phone number: 1 (800) 877-8339.



**Table 1. Private sector gross job gains and losses, seasonally adjusted**  
(In thousands)

Year	3 months ended	Net change <sup>1</sup>	Gross job gains			Gross job losses		
			Total	Expanding establishments	Opening establishments	Total	Contracting establishments	Closing establishments
2007	March	584	7,815	6,331	1,484	7,231	5,894	1,337
	June	132	7,647	6,205	1,442	7,515	6,084	1,431
	September	-209	7,376	5,870	1,506	7,585	6,190	1,395
	December	268	7,687	6,181	1,506	7,419	6,040	1,379
2008	March	-199	7,320	5,860	1,460	7,519	6,111	1,408
	June	-593	7,281	5,833	1,448	7,874	6,363	1,511
	September	-913	6,944	5,535	1,409	7,857	6,436	1,421
	December	-1,838	6,738	5,345	1,393	8,576	7,056	1,520
2009	March	-2,680	5,918	4,675	1,243	8,598	7,142	1,456
	June	-1,667	6,425	5,080	1,345	8,092	6,674	1,418
	September	-849	6,399	5,139	1,260	7,248	5,854	1,394
	December	-264	6,665	5,308	1,357	6,929	5,605	1,324
2010	March	-247	6,325	5,108	1,217	6,572	5,324	1,248
	June	698	6,995	5,674	1,321	6,297	5,090	1,207
	September	237	6,741	5,438	1,303	6,504	5,231	1,273
	December	566	7,052	5,639	1,413	6,486	5,219	1,267
2011	March	334	6,540	5,322	1,218	6,206	5,025	1,181
	June	582	6,966	5,625	1,341	6,384	5,115	1,269
	September	841	7,205	5,810	1,395	6,364	5,172	1,192
	December	335	6,865	5,503	1,362	6,530	5,273	1,257
2012	March	948	7,080	5,746	1,334	6,132	5,005	1,127
	June	616	7,051	5,724	1,327	6,435	5,266	1,169
	September	252	6,881	5,571	1,310	6,629	5,430	1,199
	December	695	7,110	5,753	1,357	6,415	5,225	1,190
2013	March	560	6,933	5,701	1,232	6,373	5,194	1,179
	June	674	7,155	5,834	1,321	6,481	5,275	1,206
	September	476	7,048	5,708	1,340	6,572	5,425	1,147
	December	717	7,267	5,936	1,331	6,550	5,346	1,204
2014	March	433	6,947	5,680	1,267	6,514	5,365	1,149
	June	884	7,459	6,118	1,341	6,575	5,355	1,220
	September	522	7,226	5,900	1,326	6,704	5,516	1,188
	December	1,084	7,642	6,268	1,374	6,558	5,323	1,235
2015	March	226	7,032	5,722	1,310	6,806	5,606	1,200
	June	833	7,589	6,245	1,344	6,756	5,563	1,193
	September	414	7,324	5,964	1,360	6,910	5,695	1,215
	December	1,010	7,851	6,387	1,464	6,841	5,573	1,268
2016	March	256	7,139	5,855	1,284	6,883	5,685	1,198
	June	296	7,453	6,083	1,370	7,157	5,847	1,310
	September	681	7,689	6,232	1,457	7,008	5,760	1,248
	December	390	7,455	6,040	1,415	7,065	5,760	1,305
2017	March	654	7,328	6,019	1,309	6,674	5,521	1,153

<sup>1</sup> Net change is the difference between total gross job gains and total gross job losses.

**Table 2. Private sector gross job gains and losses as a percent of employment,<sup>1</sup> seasonally adjusted**  
(Percent)

Year	3 months ended	Net change <sup>2</sup>	Gross job gains			Gross job losses		
			Total	Expanding establishments	Opening establishments	Total	Contracting establishments	Closing establishments
2007	March	0.5	6.9	5.6	1.3	6.4	5.2	1.2
	June	0.1	6.7	5.4	1.3	6.6	5.3	1.3
	September	-0.2	6.4	5.1	1.3	6.6	5.4	1.2
	December	0.2	6.7	5.4	1.3	6.5	5.3	1.2
2008	March	-0.1	6.4	5.1	1.3	6.5	5.3	1.2
	June	-0.5	6.4	5.1	1.3	6.9	5.6	1.3
	September	-0.9	6.1	4.9	1.2	7.0	5.7	1.3
	December	-1.7	6.0	4.8	1.2	7.7	6.3	1.4
2009	March	-2.4	5.4	4.3	1.1	7.8	6.5	1.3
	June	-1.5	6.0	4.7	1.3	7.5	6.2	1.3
	September	-0.8	6.0	4.8	1.2	6.8	5.5	1.3
	December	-0.3	6.3	5.0	1.3	6.6	5.3	1.3
2010	March	-0.2	6.0	4.8	1.2	6.2	5.0	1.2
	June	0.7	6.6	5.4	1.2	5.9	4.8	1.1
	September	0.2	6.3	5.1	1.2	6.1	4.9	1.2
	December	0.5	6.6	5.3	1.3	6.1	4.9	1.2
2011	March	0.3	6.1	5.0	1.1	5.8	4.7	1.1
	June	0.5	6.4	5.2	1.2	5.9	4.7	1.2
	September	0.8	6.7	5.4	1.3	5.9	4.8	1.1
	December	0.4	6.4	5.1	1.3	6.0	4.8	1.2
2012	March	0.8	6.4	5.2	1.2	5.6	4.6	1.0
	June	0.5	6.4	5.2	1.2	5.9	4.8	1.1
	September	0.2	6.2	5.0	1.2	6.0	4.9	1.1
	December	0.6	6.4	5.2	1.2	5.8	4.7	1.1
2013	March	0.5	6.2	5.1	1.1	5.7	4.6	1.1
	June	0.6	6.4	5.2	1.2	5.8	4.7	1.1
	September	0.5	6.3	5.1	1.2	5.8	4.8	1.0
	December	0.6	6.4	5.2	1.2	5.8	4.7	1.1
2014	March	0.4	6.1	5.0	1.1	5.7	4.7	1.0
	June	0.7	6.5	5.3	1.2	5.8	4.7	1.1
	September	0.4	6.2	5.1	1.1	5.8	4.8	1.0
	December	0.9	6.6	5.4	1.2	5.7	4.6	1.1
2015	March	0.2	6.0	4.9	1.1	5.8	4.8	1.0
	June	0.7	6.4	5.3	1.1	5.7	4.7	1.0
	September	0.4	6.2	5.0	1.2	5.8	4.8	1.0
	December	0.8	6.6	5.4	1.2	5.8	4.7	1.1
2016	March	0.3	6.0	4.9	1.1	5.7	4.7	1.0
	June	0.2	6.2	5.1	1.1	6.0	4.9	1.1
	September	0.6	6.4	5.2	1.2	5.8	4.8	1.0
	December	0.3	6.2	5.0	1.2	5.9	4.8	1.1
2017	March	0.6	6.0	4.9	1.1	5.4	4.5	0.9

<sup>1</sup> The rates measure gross job gains and gross job losses as a percentage of the average of the previous and current quarter employment levels.

<sup>2</sup> Net change is the difference between total gross job gains and total gross job losses.

**Table 3. Private sector gross job gains and losses by industry, seasonally adjusted**

Category	Gross job gains and losses (in thousands) (3 months ended)					Gross job gains and losses as a percent of employment (3 months ended)				
	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017
<b>Total private <sup>1</sup></b>										
Gross job gains .....	7,139	7,453	7,689	7,455	7,328	6.0	6.2	6.4	6.2	6.0
At expanding establishments .....	5,855	6,083	6,232	6,040	6,019	4.9	5.1	5.2	5.0	4.9
At opening establishments .....	1,284	1,370	1,457	1,415	1,309	1.1	1.1	1.2	1.2	1.1
Gross job losses .....	6,883	7,157	7,008	7,065	6,674	5.7	6.0	5.8	5.9	5.4
At contracting establishments .....	5,685	5,847	5,760	5,760	5,521	4.7	4.9	4.8	4.8	4.5
At closing establishments .....	1,198	1,310	1,248	1,305	1,153	1.0	1.1	1.0	1.1	0.9
Net employment change .....	256	296	681	390	654	0.3	0.2	0.6	0.3	0.6
<b>Goods-producing</b>										
Gross job gains .....	1,317	1,335	1,313	1,319	1,394	6.3	6.4	6.3	6.3	6.6
At expanding establishments .....	1,125	1,149	1,107	1,126	1,206	5.4	5.5	5.3	5.4	5.7
At opening establishments .....	192	186	206	193	188	0.9	0.9	1.0	0.9	0.9
Gross job losses .....	1,303	1,381	1,308	1,297	1,191	6.2	6.6	6.3	6.2	5.7
At contracting establishments .....	1,114	1,172	1,113	1,101	1,009	5.3	5.6	5.4	5.3	4.8
At closing establishments .....	189	209	195	196	182	0.9	1.0	0.9	0.9	0.9
Net employment change .....	14	-46	5	22	203	0.1	-0.2	0.0	0.1	0.9
<b>Natural resources and mining</b>										
Gross job gains .....	257	262	248	252	287	13.4	13.9	13.4	13.6	15.3
At expanding establishments .....	223	230	216	220	253	11.6	12.2	11.7	11.9	13.5
At opening establishments .....	34	32	32	32	34	1.8	1.7	1.7	1.7	1.8
Gross job losses .....	278	296	257	269	232	14.5	15.7	13.9	14.6	12.4
At contracting establishments .....	244	262	225	238	199	12.7	13.9	12.2	12.9	10.6
At closing establishments .....	34	34	32	31	33	1.8	1.8	1.7	1.7	1.8
Net employment change .....	-21	-34	-9	-17	55	-1.1	-1.8	-0.5	-1.0	2.9
<b>Construction</b>										
Gross job gains .....	676	660	665	654	707	10.1	9.8	10.0	9.7	10.3
At expanding establishments .....	553	544	532	533	584	8.3	8.1	8.0	7.9	8.5
At opening establishments .....	123	116	133	121	123	1.8	1.7	2.0	1.8	1.8
Gross job losses .....	619	651	622	635	582	9.3	9.8	9.3	9.5	8.5
At contracting establishments .....	507	525	507	515	474	7.6	7.9	7.6	7.7	6.9
At closing establishments .....	112	126	115	120	108	1.7	1.9	1.7	1.8	1.6
Net employment change .....	57	9	43	19	125	0.8	0.0	0.7	0.2	1.8
<b>Manufacturing</b>										
Gross job gains .....	384	413	400	413	400	3.1	3.3	3.2	3.3	3.3
At expanding establishments .....	349	375	359	373	369	2.8	3.0	2.9	3.0	3.0
At opening establishments .....	35	38	41	40	31	0.3	0.3	0.3	0.3	0.3
Gross job losses .....	406	434	429	393	377	3.2	3.5	3.5	3.2	3.0
At contracting establishments .....	363	385	381	348	336	2.9	3.1	3.1	2.8	2.7
At closing establishments .....	43	49	48	45	41	0.3	0.4	0.4	0.4	0.3
Net employment change .....	-22	-21	-29	20	23	-0.1	-0.2	-0.3	0.1	0.3
<b>Service-providing <sup>1</sup></b>										
Gross job gains .....	5,822	6,118	6,376	6,136	5,934	5.9	6.2	6.4	6.1	5.9
At expanding establishments .....	4,730	4,934	5,125	4,914	4,813	4.8	5.0	5.1	4.9	4.8
At opening establishments .....	1,092	1,184	1,251	1,222	1,121	1.1	1.2	1.3	1.2	1.1
Gross job losses .....	5,580	5,776	5,700	5,768	5,483	5.6	5.8	5.8	5.8	5.5
At contracting establishments .....	4,571	4,675	4,647	4,659	4,512	4.6	4.7	4.7	4.7	4.5
At closing establishments .....	1,009	1,101	1,053	1,109	971	1.0	1.1	1.1	1.1	1.0
Net employment change .....	242	342	676	368	451	0.3	0.4	0.6	0.3	0.4
<b>Wholesale trade</b>										
Gross job gains .....	261	274	277	272	263	4.4	4.7	4.8	4.6	4.4
At expanding establishments .....	217	226	226	225	220	3.7	3.9	3.9	3.8	3.7
At opening establishments .....	44	48	51	47	43	0.7	0.8	0.9	0.8	0.7
Gross job losses .....	268	272	262	256	249	4.6	4.6	4.5	4.3	4.2
At contracting establishments .....	210	213	209	201	196	3.6	3.6	3.6	3.4	3.3
At closing establishments .....	58	59	53	55	53	1.0	1.0	0.9	0.9	0.9
Net employment change .....	-7	2	15	16	14	-0.2	0.1	0.3	0.3	0.2

See footnote at end of table.

**Table 3. Private sector gross job gains and losses by industry, seasonally adjusted—Continued**

Category	Gross job gains and losses (in thousands) (3 months ended)					Gross job gains and losses as a percent of employment (3 months ended)				
	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017
<b>Retail trade</b>										
Gross job gains .....	970	934	957	895	927	6.2	5.9	6.0	5.6	5.9
At expanding establishments .....	846	804	817	777	805	5.4	5.1	5.1	4.9	5.1
At opening establishments .....	124	130	140	118	122	0.8	0.8	0.9	0.7	0.8
Gross job losses .....	864	912	960	923	881	5.5	5.7	6.1	5.9	5.6
At contracting establishments .....	756	801	836	803	775	4.8	5.0	5.3	5.1	4.9
At closing establishments .....	108	111	124	120	106	0.7	0.7	0.8	0.8	0.7
Net employment change .....	106	22	-3	-28	46	0.7	0.2	-0.1	-0.3	0.3
<b>Transportation and warehousing</b>										
Gross job gains .....	239	249	290	383	245	5.0	5.3	6.0	7.8	5.0
At expanding establishments .....	206	213	250	339	215	4.3	4.5	5.2	6.9	4.4
At opening establishments .....	33	36	40	44	30	0.7	0.8	0.8	0.9	0.6
Gross job losses .....	292	249	229	232	323	6.2	5.3	4.8	4.8	6.6
At contracting establishments .....	256	211	190	194	290	5.4	4.5	4.0	4.0	5.9
At closing establishments .....	36	38	39	38	33	0.8	0.8	0.8	0.8	0.7
Net employment change .....	-53	0	61	151	-78	-1.2	0.0	1.2	3.0	-1.6
<b>Utilities</b>										
Gross job gains .....	10	13	11	12	11	1.8	2.4	2.0	2.2	2.0
At expanding establishments .....	8	11	10	10	10	1.4	2.0	1.8	1.8	1.8
At opening establishments .....	2	2	1	2	1	0.4	0.4	0.2	0.4	0.2
Gross job losses .....	10	13	14	13	10	1.8	2.4	2.6	2.4	1.8
At contracting establishments .....	9	11	12	11	9	1.6	2.0	2.2	2.0	1.6
At closing establishments .....	1	2	2	2	1	0.2	0.4	0.4	0.4	0.2
Net employment change .....	0	0	-3	-1	1	0.0	0.0	-0.6	-0.2	0.2
<b>Information</b>										
Gross job gains .....	139	157	153	142	142	5.0	5.6	5.4	5.1	5.1
At expanding establishments .....	117	131	124	115	120	4.2	4.7	4.4	4.1	4.3
At opening establishments .....	22	26	29	27	22	0.8	0.9	1.0	1.0	0.8
Gross job losses .....	140	141	152	150	139	5.0	5.0	5.4	5.3	4.9
At contracting establishments .....	111	109	126	121	116	4.0	3.9	4.5	4.3	4.1
At closing establishments .....	29	32	26	29	23	1.0	1.1	0.9	1.0	0.8
Net employment change .....	-1	16	1	-8	3	0.0	0.6	0.0	-0.2	0.2
<b>Financial activities</b>										
Gross job gains .....	358	388	391	382	353	4.5	4.8	4.9	4.8	4.4
At expanding establishments .....	284	313	311	298	289	3.6	3.9	3.9	3.7	3.6
At opening establishments .....	74	75	80	84	64	0.9	0.9	1.0	1.1	0.8
Gross job losses .....	339	354	350	356	336	4.3	4.4	4.4	4.4	4.2
At contracting establishments .....	262	272	276	274	262	3.3	3.4	3.5	3.4	3.3
At closing establishments .....	77	82	74	82	74	1.0	1.0	0.9	1.0	0.9
Net employment change .....	19	34	41	26	17	0.2	0.4	0.5	0.4	0.2
<b>Professional and business services</b>										
Gross job gains .....	1,274	1,431	1,474	1,395	1,285	6.4	7.2	7.4	7.0	6.3
At expanding establishments .....	1,041	1,173	1,199	1,121	1,058	5.2	5.9	6.0	5.6	5.2
At opening establishments .....	233	258	275	274	227	1.2	1.3	1.4	1.4	1.1
Gross job losses .....	1,368	1,354	1,282	1,359	1,265	6.9	6.7	6.4	6.7	6.3
At contracting establishments .....	1,117	1,065	1,022	1,075	1,026	5.6	5.3	5.1	5.3	5.1
At closing establishments .....	251	289	260	284	239	1.3	1.4	1.3	1.4	1.2
Net employment change .....	-94	77	192	36	20	-0.5	0.5	1.0	0.3	0.0
<b>Education and health services</b>										
Gross job gains .....	909	966	1,044	966	948	4.3	4.5	4.8	4.4	4.3
At expanding establishments .....	743	781	872	774	786	3.5	3.6	4.0	3.5	3.6
At opening establishments .....	166	185	172	192	162	0.8	0.9	0.8	0.9	0.7
Gross job losses .....	826	885	824	905	813	3.8	4.1	3.8	4.1	3.7
At contracting establishments .....	669	702	656	709	656	3.1	3.3	3.0	3.2	3.0
At closing establishments .....	157	183	168	196	157	0.7	0.8	0.8	0.9	0.7
Net employment change .....	83	81	220	61	135	0.5	0.4	1.0	0.3	0.6

See footnote at end of table.

**Table 3. Private sector gross job gains and losses by industry, seasonally adjusted—Continued**

Category	Gross job gains and losses (in thousands) (3 months ended)					Gross job gains and losses as a percent of employment (3 months ended)				
	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017
<b>Leisure and hospitality</b>										
Gross job gains .....	1,292	1,313	1,350	1,308	1,321	8.3	8.4	8.7	8.4	8.4
At expanding establishments ....	1,030	1,030	1,056	1,016	1,054	6.6	6.6	6.8	6.5	6.7
At opening establishments .....	262	283	294	292	267	1.7	1.8	1.9	1.9	1.7
Gross job losses .....	1,165	1,278	1,304	1,240	1,149	7.5	8.2	8.4	8.0	7.2
At contracting establishments ...	959	1,061	1,086	1,027	955	6.2	6.8	7.0	6.6	6.0
At closing establishments .....	206	217	218	213	194	1.3	1.4	1.4	1.4	1.2
Net employment change .....	127	35	46	68	172	0.8	0.2	0.3	0.4	1.2
<b>Other services</b>										
Gross job gains .....	282	303	309	281	286	6.9	7.4	7.6	6.8	6.9
At expanding establishments ....	221	237	241	219	228	5.4	5.8	5.9	5.3	5.5
At opening establishments .....	61	66	68	62	58	1.5	1.6	1.7	1.5	1.4
Gross job losses .....	270	283	286	293	272	6.6	6.9	7.0	7.1	6.6
At contracting establishments ...	211	220	222	231	212	5.2	5.4	5.4	5.6	5.1
At closing establishments .....	59	63	64	62	60	1.4	1.5	1.6	1.5	1.5
Net employment change .....	12	20	23	-12	14	0.3	0.5	0.6	-0.3	0.3

<sup>1</sup> Includes unclassified sector, not shown separately.

**Table 4. Private sector gross job gains and losses by firm size, seasonally adjusted**  
(In thousands)

Year	3 months ended	Total private by firm <sup>1</sup>			Firm size 1 - 49 employees			Firm size 50 - 249 employees			Firm size 250 or more		
		Net change <sup>2,3</sup>	Gross job gains	losses	Net change	Gross job gains	losses	Net change	Gross job gains	losses	Net change	Gross job gains	losses
2007	March	478	6,333	5,855	173	3,445	3,272	98	1,158	1,060	207	1,730	1,523
	June	163	6,239	6,076	-33	3,330	3,363	99	1,171	1,072	97	1,738	1,641
	September	-215	5,920	6,135	-116	3,263	3,379	-34	1,079	1,113	-65	1,578	1,643
	December	270	6,251	5,981	10	3,317	3,307	56	1,139	1,083	204	1,795	1,591
2008	March	-274	5,831	6,105	-152	3,235	3,387	-11	1,079	1,090	-111	1,517	1,628
	June	-548	5,850	6,398	-287	3,174	3,461	-44	1,090	1,134	-217	1,586	1,803
	September	-956	5,532	6,488	-343	3,051	3,394	-140	1,020	1,160	-473	1,461	1,934
	December	-1,886	5,338	7,224	-689	2,910	3,599	-375	947	1,322	-822	1,481	2,303
2009	March	-2,638	4,617	7,255	-983	2,721	3,704	-616	810	1,426	-1,039	1,086	2,125
	June	-1,763	5,169	6,932	-474	2,946	3,420	-281	950	1,231	-1,008	1,273	2,281
	September	-906	5,164	6,070	-372	2,826	3,198	-110	932	1,042	-424	1,406	1,830
	December	-317	5,403	5,720	-159	2,940	3,099	-45	962	1,007	-113	1,501	1,614
2010	March	-234	5,115	5,349	-195	2,863	3,058	-2	914	916	-37	1,338	1,375
	June	664	5,805	5,141	235	3,093	2,858	204	1,071	867	225	1,641	1,416
	September	226	5,525	5,299	26	2,946	2,920	87	998	911	113	1,581	1,468
	December	502	5,781	5,279	92	3,051	2,959	92	1,034	942	318	1,696	1,378
2011	March	340	5,375	5,035	99	2,983	2,884	122	971	849	119	1,421	1,302
	June	537	5,746	5,209	190	3,073	2,883	169	1,063	894	178	1,610	1,432
	September	852	5,974	5,122	272	3,137	2,865	171	1,066	895	409	1,771	1,362
	December	297	5,585	5,288	45	2,970	2,925	44	981	937	208	1,634	1,426
2012	March	972	5,904	4,932	388	3,173	2,785	220	1,054	834	364	1,677	1,313
	June	612	5,828	5,216	174	3,039	2,865	158	1,074	916	280	1,715	1,435
	September	226	5,581	5,355	55	2,963	2,908	54	1,006	952	117	1,612	1,495
	December	637	5,779	5,142	180	3,025	2,845	94	1,014	920	363	1,740	1,377
2013	March	588	5,743	5,155	221	3,078	2,857	155	1,027	872	212	1,638	1,426
	June	649	5,912	5,263	221	3,084	2,863	137	1,074	937	291	1,754	1,463
	September	439	5,748	5,309	208	3,054	2,846	62	1,017	955	169	1,677	1,508
	December	651	5,894	5,243	131	3,026	2,895	108	1,036	928	412	1,832	1,420
2014	March	459	5,662	5,203	248	3,077	2,829	153	1,034	881	58	1,551	1,493
	June	888	6,142	5,254	299	3,179	2,880	216	1,123	907	373	1,840	1,467
	September	502	5,845	5,343	168	3,051	2,883	102	1,058	956	232	1,736	1,504
	December	987	6,166	5,179	225	3,111	2,886	157	1,087	930	605	1,968	1,363
2015	March	237	5,664	5,427	181	3,102	2,921	79	1,022	943	-23	1,540	1,563
	June	834	6,256	5,422	316	3,197	2,881	189	1,135	946	329	1,924	1,595
	September	381	5,884	5,503	113	3,038	2,925	59	1,038	979	209	1,808	1,599
	December	895	6,270	5,375	250	3,183	2,933	101	1,078	977	544	2,009	1,465
2016	March	273	5,743	5,470	220	3,124	2,904	60	1,015	955	-7	1,604	1,611
	June	300	6,051	5,751	64	3,125	3,061	116	1,109	993	120	1,817	1,697
	September	665	6,229	5,564	147	3,135	2,988	80	1,080	1,000	438	2,014	1,576
	December	326	5,920	5,594	88	3,076	2,988	52	1,033	981	186	1,811	1,625
2017	March	686	5,952	5,266	369	3,206	2,837	197	1,077	880	120	1,669	1,549

<sup>1</sup> Total gross job gains and gross job losses by firm are lower than total gross job gains and gross job losses by establishment, as some establishment gains and losses within a firm are offset during the aggregation process.

<sup>2</sup> Net change is the difference between total gross job gains and total gross job losses.

<sup>3</sup> Net change totals for the firm-level data differ from the establishment-level data due to independent seasonal adjustment.

NOTE: See <http://www.bls.gov/bdm/bdmfirmsize.htm> for more detailed firm size class data

**Table 5. Components of private sector gross job gains and losses by firm size, seasonally adjusted**

Category	Gross job gains and losses (in thousands) (3 months ended)					Gross job gains and losses as a percent of employment (3 months ended)				
	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017
<b>Total private by firm <sup>1</sup></b>										
Gross job gains .....	5,743	6,051	6,229	5,920	5,952	4.8	5.1	5.2	4.9	4.9
At expanding firms .....	4,837	5,149	5,271	4,976	5,026	4.0	4.3	4.4	4.1	4.1
At opening firms .....	906	902	958	944	926	0.8	0.8	0.8	0.8	0.8
Gross job losses .....	5,470	5,751	5,564	5,594	5,266	4.6	4.8	4.6	4.6	4.4
At contracting firms .....	4,624	4,837	4,713	4,734	4,442	3.9	4.0	3.9	3.9	3.7
At closing firms .....	846	914	851	860	824	0.7	0.8	0.7	0.7	0.7
Net employment change .....	273	300	665	326	686	0.2	0.3	0.6	0.3	0.5
<b>Firm size 1 to 49 employees</b>										
Gross job gains .....	3,124	3,125	3,135	3,076	3,206	9.3	9.3	9.3	9.1	9.4
At expanding firms .....	2,253	2,264	2,219	2,171	2,316	6.7	6.7	6.6	6.4	6.8
At opening firms .....	871	861	916	905	890	2.6	2.6	2.7	2.7	2.6
Gross job losses .....	2,904	3,061	2,988	2,988	2,837	8.6	9.1	8.8	8.8	8.3
At contracting firms .....	2,091	2,189	2,171	2,163	2,042	6.2	6.5	6.4	6.4	6.0
At closing firms .....	813	872	817	825	795	2.4	2.6	2.4	2.4	2.3
Net employment change .....	220	64	147	88	369	0.7	0.2	0.5	0.3	1.1
<b>Firm size 50 to 249 employees</b>										
Gross job gains .....	1,015	1,109	1,080	1,033	1,077	4.6	5.1	5.0	4.8	4.9
At expanding firms .....	984	1,072	1,042	997	1,046	4.5	4.9	4.8	4.6	4.8
At opening firms .....	31	37	38	36	31	0.1	0.2	0.2	0.2	0.1
Gross job losses .....	955	993	1,000	981	880	4.4	4.6	4.6	4.5	4.0
At contracting firms .....	926	960	970	951	854	4.3	4.4	4.5	4.4	3.9
At closing firms .....	29	33	30	30	26	0.1	0.2	0.1	0.1	0.1
Net employment change .....	60	116	80	52	197	0.2	0.5	0.4	0.3	0.9
<b>Firm size 250 or more employees</b>										
Gross job gains .....	1,604	1,817	2,014	1,811	1,669	2.5	2.8	3.1	2.8	2.5
At expanding firms .....	1,600	1,813	2,010	1,808	1,664	2.5	2.8	3.1	2.8	2.5
At opening firms .....	4	4	4	3	5	0.0	0.0	0.0	0.0	0.0
Gross job losses .....	1,611	1,697	1,576	1,625	1,549	2.5	2.6	2.4	2.5	2.4
At contracting firms .....	1,607	1,688	1,572	1,620	1,546	2.5	2.6	2.4	2.5	2.4
At closing firms .....	4	9	4	5	3	0.0	0.0	0.0	0.0	0.0
Net employment change .....	-7	120	438	186	120	0.0	0.2	0.7	0.3	0.1

<sup>1</sup> Total gross job gains and gross job losses by firm are lower than total gross job gains and gross job losses by establishment, as some establishment gains and losses within a firm are offset during the aggregation process.

**Table 6. Private sector gross job gains and losses by state, seasonally adjusted**

State	Gross job gains (3 months ended)					Gross job losses (3 months ended)				
	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017	Mar. 2016	June 2016	Sept. 2016	Dec. 2016	Mar. 2017
United States <sup>1</sup> .....	7,139,000	7,453,000	7,689,000	7,455,000	7,328,000	6,883,000	7,157,000	7,008,000	7,065,000	6,674,000
Alabama .....	90,793	90,760	96,889	91,681	95,018	86,214	91,306	90,051	90,287	81,340
Alaska .....	24,277	26,205	22,603	24,029	23,211	24,338	28,231	27,693	24,699	24,169
Arizona .....	135,581	139,046	164,484	138,291	136,971	130,588	138,270	120,568	126,313	126,704
Arkansas .....	54,640	54,032	61,522	58,062	56,151	54,408	57,902	54,893	53,892	50,773
California .....	943,771	981,914	990,473	980,183	962,840	894,779	933,875	880,241	910,192	872,313
Colorado .....	140,988	149,843	153,653	143,107	147,416	130,307	138,773	134,971	140,926	133,241
Connecticut .....	74,868	77,561	74,841	72,719	79,177	71,778	76,530	76,198	75,033	73,288
Delaware .....	24,679	25,377	23,909	23,338	24,976	24,481	25,216	24,652	23,351	22,313
District of Columbia .....	26,874	29,953	31,846	28,788	29,705	28,471	29,503	29,467	28,695	24,377
Florida .....	444,007	464,716	539,960	487,710	445,222	411,436	428,968	427,925	445,725	409,290
Georgia .....	223,883	248,515	243,716	239,884	230,965	206,845	229,940	213,118	211,569	212,760
Hawaii .....	27,561	28,651	31,080	26,673	27,379	26,056	30,358	25,354	26,775	25,523
Idaho .....	46,462	41,251	45,011	42,845	45,963	36,462	40,329	41,174	38,897	37,152
Illinois .....	283,828	302,719	294,960	309,191	298,256	284,187	301,468	291,637	290,285	276,590
Indiana .....	141,901	138,247	149,878	142,574	149,579	137,248	136,065	133,516	137,206	131,859
Iowa .....	79,212	74,136	79,033	73,955	78,764	70,423	81,142	75,042	76,993	71,324
Kansas .....	65,870	63,815	69,905	67,413	66,295	67,138	69,868	63,576	64,801	63,041
Kentucky .....	90,742	97,533	107,152	95,679	90,878	92,705	93,542	98,989	90,662	85,832
Louisiana .....	97,906	96,125	107,420	94,259	102,536	107,783	110,705	103,707	103,469	93,274
Maine .....	36,757	38,785	33,988	37,196	36,582	34,506	34,616	37,257	35,905	32,852
Maryland .....	131,658	135,312	139,923	140,769	131,540	128,032	130,754	127,394	131,349	126,358
Massachusetts .....	163,984	182,828	174,563	171,192	168,627	154,476	159,124	167,415	165,880	156,939
Michigan .....	193,986	217,902	208,459	204,720	211,095	179,533	196,003	202,265	200,138	184,414
Minnesota .....	132,819	143,583	148,763	140,520	142,651	127,554	133,901	133,973	138,963	117,302
Mississippi .....	51,728	50,515	56,026	56,611	51,514	55,123	58,142	49,476	50,218	52,216
Missouri .....	131,362	133,732	132,102	134,067	138,174	125,523	127,768	125,330	133,207	116,324
Montana .....	29,091	29,559	28,377	29,076	30,348	27,279	31,986	28,603	27,842	26,801
Nebraska .....	47,358	45,783	51,489	46,158	48,350	44,737	47,712	47,315	49,989	42,036
Nevada .....	72,047	72,895	77,042	71,548	75,922	66,108	65,362	63,229	64,782	59,528
New Hampshire .....	33,670	36,640	36,134	35,405	32,723	32,852	33,071	35,328	33,335	32,020
New Jersey .....	197,702	217,390	212,548	217,599	191,080	202,392	191,614	200,091	200,514	198,940
New Mexico .....	39,814	40,215	43,313	41,275	40,142	39,727	42,367	38,844	40,739	39,132
New York .....	475,125	482,639	490,500	472,712	482,960	444,730	452,880	458,750	461,337	446,567
North Carolina .....	213,858	223,089	221,742	225,601	222,190	197,618	207,520	208,519	205,302	199,056
North Dakota .....	23,641	23,256	27,990	23,021	26,128	31,323	30,933	24,632	26,535	22,998
Ohio .....	255,575	261,010	263,761	260,009	260,122	237,713	263,358	261,433	249,754	236,913
Oklahoma .....	72,625	72,166	79,254	81,574	78,427	80,485	84,369	75,254	78,496	81,448
Oregon .....	109,011	105,151	106,360	103,156	108,577	89,365	102,770	99,322	96,506	89,507
Pennsylvania .....	273,803	268,296	285,638	274,781	268,559	265,993	273,456	258,739	260,840	254,346
Rhode Island .....	23,971	25,378	23,258	23,989	26,217	24,549	25,729	24,390	23,904	24,785
South Carolina .....	98,954	102,914	104,404	108,676	100,891	98,283	94,867	93,113	90,148	92,823
South Dakota .....	21,547	21,921	22,238	21,044	22,209	21,180	21,593	21,398	21,233	20,656
Tennessee .....	132,274	141,910	147,480	144,675	128,481	128,616	132,811	130,083	126,150	123,277
Texas .....	535,504	569,649	617,457	588,802	580,416	571,800	545,548	541,252	538,726	519,376
Utah .....	84,240	79,060	86,460	79,259	91,646	68,971	74,471	77,794	75,963	72,367
Vermont .....	17,059	18,779	18,354	17,998	16,827	17,742	18,235	18,795	17,636	17,258
Virginia .....	183,177	197,646	192,072	194,325	186,996	184,958	188,255	189,545	180,449	172,727
Washington .....	187,856	192,404	177,681	191,782	185,519	159,898	158,624	175,845	179,259	152,983
West Virginia .....	32,334	31,573	35,225	34,777	34,065	38,085	37,617	34,886	33,887	34,690
Wisconsin .....	137,502	138,276	133,986	134,052	143,931	127,509	139,248	134,840	131,290	116,833
Wyoming .....	17,029	15,960	17,147	17,940	17,837	19,984	21,748	17,942	17,692	16,484
Puerto Rico .....	38,377	37,755	39,088	38,952	34,349	40,221	37,274	38,609	36,267	38,301
Virgin Islands .....	1,651	1,792	1,722	1,644	1,463	1,577	1,586	1,856	1,665	1,497

<sup>1</sup> The sum of the states will not necessarily add to the U.S. total because of the independent seasonal adjustment of each state.

NOTE: Totals for the United States do not include data for Puerto Rico or the Virgin Islands.



**Table 7. Private sector gross job gains and losses as a percent of total employment by state, seasonally adjusted**

State	Gross job gains as a percent of employment (3 months ended)					Gross job losses as a percent of employment (3 months ended)				
	Mar.	June	Sept.	Dec.	Mar.	Mar.	June	Sept.	Dec.	Mar.
	2016	2016	2016	2016	2017	2016	2016	2016	2016	2017
United States .....	6.0	6.2	6.4	6.2	6.0	5.7	6.0	5.8	5.9	5.4
Alabama .....	5.9	5.8	6.2	5.8	6.1	5.5	5.9	5.8	5.8	5.2
Alaska .....	9.6	10.4	9.1	9.8	9.4	9.6	11.2	11.2	10.0	9.8
Arizona .....	5.9	6.2	7.2	6.0	5.8	5.7	6.0	5.2	5.5	5.4
Arkansas .....	5.5	5.4	6.2	5.9	5.6	5.4	5.9	5.6	5.4	5.0
California .....	6.6	6.9	6.9	6.9	6.7	6.3	6.6	6.2	6.3	6.0
Colorado .....	6.6	7.0	7.1	6.6	6.8	6.1	6.5	6.2	6.5	6.2
Connecticut .....	5.3	5.4	5.2	5.1	5.5	5.0	5.4	5.4	5.2	5.1
Delaware .....	6.6	6.8	6.3	6.2	6.6	6.5	6.7	6.6	6.2	5.9
District of Columbia .....	5.3	5.9	6.2	5.6	5.7	5.6	5.8	5.8	5.6	4.7
Florida .....	6.2	6.5	7.4	6.7	6.1	5.8	5.9	5.8	6.1	5.5
Georgia .....	6.2	6.9	6.7	6.6	6.3	5.8	6.4	5.9	5.8	5.8
Hawaii .....	5.2	5.4	6.0	5.0	5.1	5.0	5.8	4.8	5.0	4.8
Idaho .....	8.2	7.2	7.9	7.5	7.9	6.5	7.0	7.3	6.7	6.3
Illinois .....	5.6	6.0	5.7	6.1	5.8	5.6	5.9	5.7	5.6	5.4
Indiana .....	5.5	5.4	5.8	5.4	5.7	5.3	5.2	5.1	5.2	5.1
Iowa .....	6.1	5.7	6.1	5.7	6.1	5.4	6.2	5.8	5.9	5.5
Kansas .....	5.8	5.7	6.2	5.9	5.8	5.9	6.3	5.6	5.7	5.6
Kentucky .....	5.9	6.2	6.8	6.1	5.7	6.0	6.0	6.3	5.8	5.4
Louisiana .....	6.0	6.0	6.8	5.9	6.4	6.7	6.9	6.5	6.5	5.9
Maine .....	7.2	7.7	6.7	7.4	7.2	6.9	6.8	7.4	7.1	6.4
Maryland .....	6.2	6.4	6.6	6.6	6.1	6.0	6.2	5.9	6.2	5.9
Massachusetts .....	5.4	6.0	5.7	5.6	5.5	5.1	5.2	5.4	5.4	5.1
Michigan .....	5.3	5.9	5.7	5.5	5.6	4.9	5.4	5.5	5.4	5.0
Minnesota .....	5.5	5.9	6.1	5.7	5.8	5.2	5.5	5.5	5.7	4.7
Mississippi .....	5.9	5.7	6.3	6.3	5.7	6.2	6.5	5.5	5.6	5.9
Missouri .....	5.6	5.7	5.7	5.7	5.9	5.3	5.4	5.4	5.6	4.9
Montana .....	7.9	7.9	7.6	7.8	8.1	7.3	8.6	7.7	7.5	7.1
Nebraska .....	5.9	5.7	6.4	5.7	5.9	5.5	5.9	5.9	6.2	5.2
Nevada .....	6.4	6.5	6.8	6.2	6.6	5.9	5.8	5.5	5.6	5.2
New Hampshire .....	6.0	6.5	6.4	6.3	5.7	5.8	5.9	6.3	5.9	5.6
New Jersey .....	5.8	6.4	6.3	6.4	5.5	6.0	5.7	5.9	5.9	5.8
New Mexico .....	6.4	6.4	7.0	6.6	6.4	6.4	6.7	6.2	6.5	6.2
New York .....	6.2	6.3	6.3	6.1	6.2	5.8	5.8	5.9	5.9	5.7
North Carolina .....	6.1	6.3	6.3	6.3	6.2	5.6	5.8	5.9	5.7	5.5
North Dakota .....	6.7	6.8	8.2	6.7	7.6	8.9	8.9	7.1	7.7	6.7
Ohio .....	5.5	5.6	5.7	5.7	5.7	5.2	5.7	5.7	5.4	5.1
Oklahoma .....	5.7	5.8	6.3	6.5	6.3	6.3	6.8	6.0	6.3	6.5
Oregon .....	7.1	6.8	6.9	6.6	6.9	5.8	6.6	6.4	6.3	5.7
Pennsylvania .....	5.4	5.3	5.6	5.4	5.2	5.3	5.4	5.1	5.1	5.0
Rhode Island .....	5.8	6.1	5.6	5.7	6.3	5.9	6.2	5.9	5.8	5.9
South Carolina .....	6.0	6.3	6.3	6.5	6.0	6.0	5.8	5.6	5.4	5.6
South Dakota .....	6.2	6.4	6.4	6.0	6.4	6.1	6.2	6.2	6.1	5.9
Tennessee .....	5.4	5.8	5.9	5.8	5.1	5.2	5.4	5.2	5.1	4.9
Texas .....	5.4	5.8	6.2	5.9	5.8	5.8	5.5	5.5	5.4	5.2
Utah .....	7.3	6.7	7.4	6.8	7.7	6.0	6.4	6.7	6.4	6.1
Vermont .....	6.7	7.4	7.2	7.0	6.6	6.9	7.2	7.4	7.0	6.8
Virginia .....	5.9	6.5	6.2	6.2	6.0	6.0	6.1	6.1	5.9	5.6
Washington .....	7.1	7.3	6.7	7.1	6.8	6.0	6.0	6.6	6.7	5.6
West Virginia .....	5.9	5.8	6.5	6.4	6.3	6.9	6.9	6.4	6.2	6.4
Wisconsin .....	5.6	5.7	5.5	5.5	5.9	5.2	5.7	5.6	5.3	4.8
Wyoming .....	8.1	7.7	8.5	8.8	8.8	9.4	10.6	8.8	8.7	8.1
Puerto Rico .....	5.7	5.6	5.8	5.8	5.1	6.0	5.5	5.7	5.4	5.7
Virgin Islands .....	6.0	6.5	6.2	6.0	5.3	5.8	5.7	6.8	6.0	5.5

NOTE: Totals for the United States do not include data for Puerto Rico or the Virgin Islands.

**Table 8. Private sector establishment births and deaths, seasonally adjusted**  
(Levels in thousands)

Year	3 months ended	Number of Establishments				Employment			
		Births		Deaths <sup>1</sup>		Births		Deaths	
		Level	Rate <sup>2</sup>	Level	Rate	Level	Rate	Level	Rate
2007	March	232	3.2	205	2.8	918	0.8	787	0.7
	June	225	3.1	215	3.0	898	0.8	859	0.8
	September	233	3.2	216	3.0	952	0.8	845	0.7
	December	228	3.1	218	3.0	922	0.8	836	0.7
2008	March	226	3.1	224	3.1	919	0.8	832	0.7
	June	221	3.0	238	3.3	876	0.8	913	0.8
	September	216	3.0	233	3.2	849	0.8	881	0.8
	December	211	2.9	253	3.5	819	0.7	951	0.9
2009	March	197	2.7	247	3.4	738	0.7	869	0.8
	June	201	2.8	238	3.3	767	0.7	837	0.8
	September	192	2.7	227	3.2	725	0.7	793	0.7
	December	202	2.8	218	3.1	728	0.7	749	0.7
2010	March	193	2.7	211	3.0	706	0.7	687	0.7
	June	193	2.7	202	2.9	730	0.7	665	0.6
	September	207	2.9	204	2.9	754	0.7	701	0.7
	December	216	3.0	201	2.8	805	0.8	700	0.7
2011	March	204	2.9	200	2.8	715	0.7	632	0.6
	June	210	2.9	205	2.9	767	0.7	689	0.6
	September	206	2.9	196	2.7	794	0.7	675	0.6
	December	214	3.0	198	2.8	800	0.7	700	0.6
2012	March	236	3.3	188	2.6	787	0.7	614	0.6
	June	217	3.0	194	2.7	799	0.7	673	0.6
	September	210	2.9	196	2.7	804	0.7	692	0.6
	December	218	3.0	183	2.5	809	0.7	673	0.6
2013	March	205	2.8	192	2.6	748	0.7	646	0.6
	June	222	3.0	215	2.9	791	0.7	696	0.6
	September	219	2.9	195	2.6	823	0.7	678	0.6
	December	216	2.9	187	2.5	804	0.7	670	0.6
2014	March	221	2.9	189	2.5	782	0.7	633	0.6
	June	220	2.9	205	2.7	806	0.7	718	0.6
	September	224	3.0	200	2.6	828	0.7	706	0.6
	December	223	2.9	197	2.6	837	0.7	708	0.6
2015	March	234	3.1	206	2.7	814	0.7	691	0.6
	June	234	3.1	212	2.8	839	0.7	732	0.6
	September	242	3.1	207	2.7	880	0.7	704	0.6
	December	246	3.2	208	2.7	894	0.8	732	0.6
2016	March	236	3.0	202	2.6	787	0.7	660	0.6
	June	242	3.1	214	2.7	838	0.7	724	0.6
	September	240	3.1	N/A	N/A	872	0.7	N/A	N/A
	December	239	3.0	N/A	N/A	868	0.7	N/A	N/A
2017	March	240	3.0	N/A	N/A	800	0.7	N/A	N/A

<sup>1</sup> Values for deaths are not available for the most recent three quarters. See the Technical Note for more information.

<sup>2</sup> The rates measure births and deaths as a percentage of the average of the previous and current quarter employment levels or total number of establishments.