



# Business Employment Dynamics

3rd Quarter 2021

Oklahoma Employment Security Commission

Economic Research and Analysis Division

# OKLAHOMA BUSINESS EMPLOYMENT DYNAMICS

## 3rd Quarter 2021

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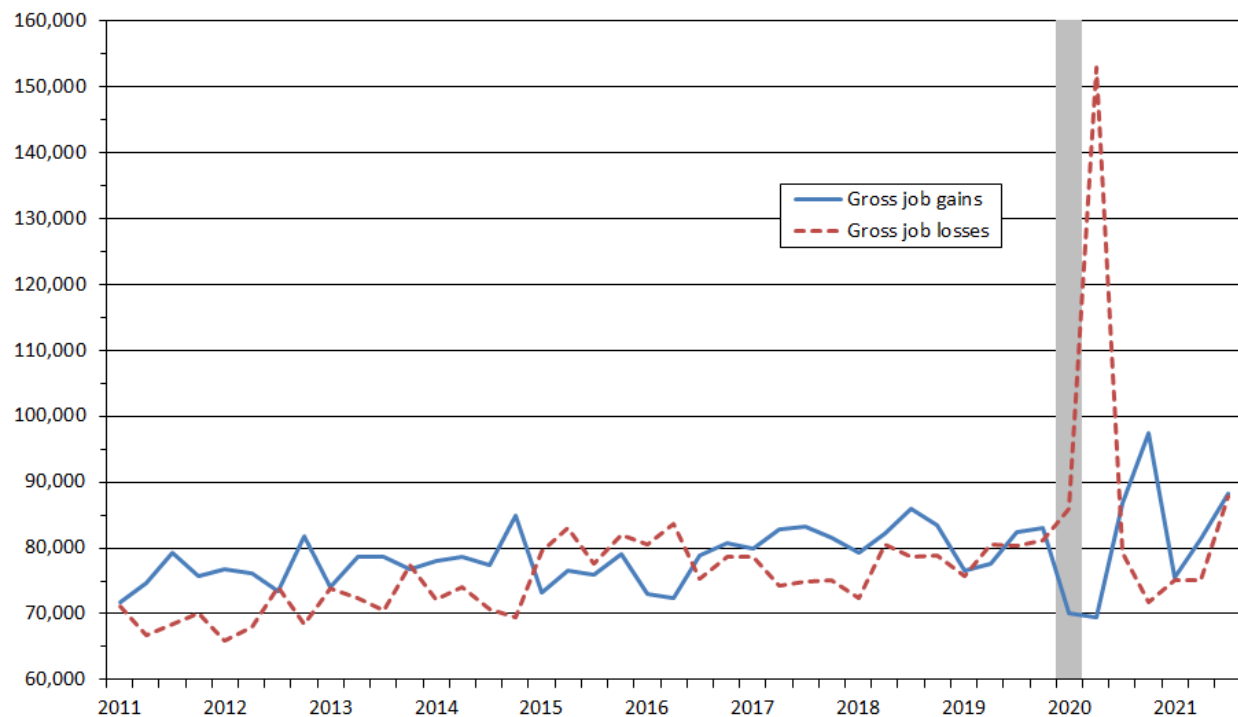
# OKLAHOMA BUSINESS EMPLOYMENT DYNAMICS: 3rd Quarter 2021

## Gross Job Gains and Gross Job Losses: 3rd Quarter 2021

From June 2021 to September 2021, gross job gains from opening and expanding private-sector establishments in Oklahoma totaled 88,311, an increase of 7,040 jobs from the previous quarter. Over this period, gross job losses from closing and contracting private-sector establishments numbered 87,915, an increase of 12,807 jobs from the previous quarter, according to the Oklahoma Employment Security Commission, Economic Research and Analysis Division, and the U.S. Bureau of Labor Statistics, (see Chart 1, below and Table 1, page 6). The difference between the number of gross job gains and the number of gross job losses yielded a net employment gain of 396 jobs in Oklahoma’s private sector during the 3rd quarter of 2021.

**Chart 1**

Private sector gross job gains and gross job losses in Oklahoma  
March 2011 - September 2021, seasonally adjusted



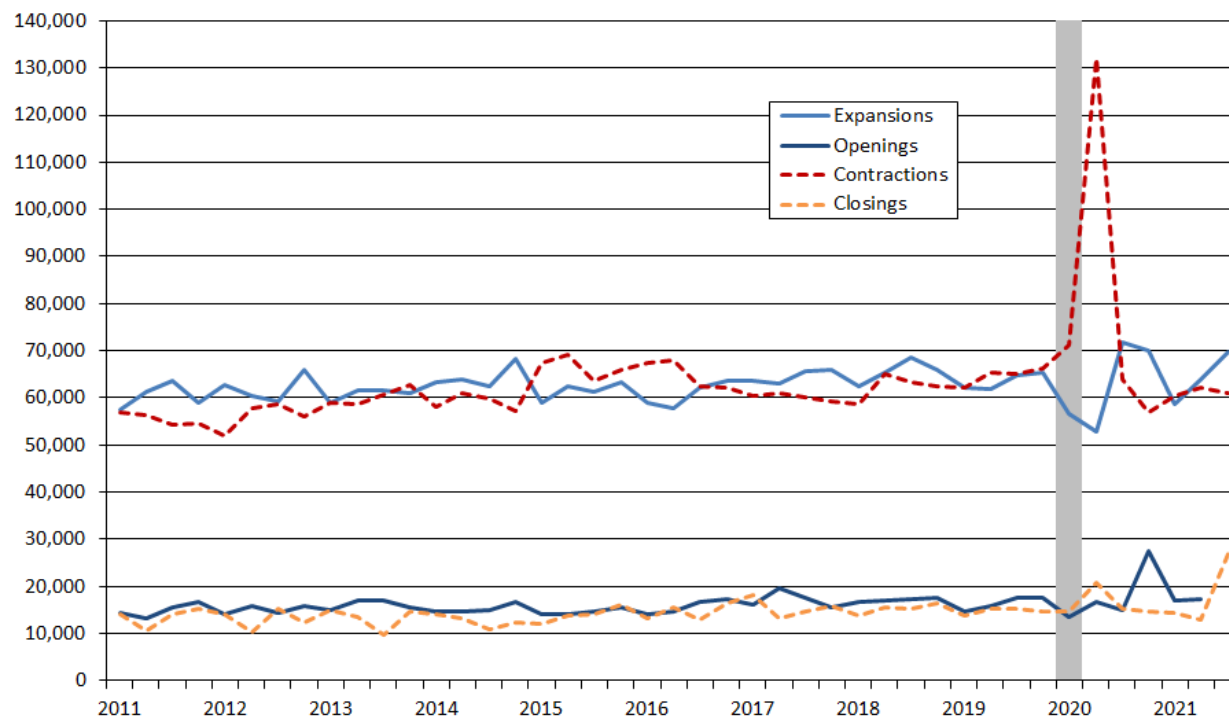
Source: U.S. Bureau of Labor Statistics  
Note: Shaded area represents NBER defined recession period.

The change in the number of jobs over time is the net result of increases and decreases in employment that occur at all businesses in the economy. Business Employment Dynamics (BED) statistics track these changes in employment at private business establishments from the third month of one quarter to the third month of the next. *Gross job gains* are the sum of increases in employment from expansions at existing establishments and the addition of new jobs at opening establishments. *Gross job losses* are the result of contractions in employment at existing establishments and the loss of jobs at closing establishments. 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, page 6, for more information).

Gross job losses in Oklahoma the 2nd quarter of 2020 (152,932) were at the highest level since BED record keeping began in 1992, eclipsing the previous high set in the 1st quarter of 2009, towards the end of the 'Great Recession', when 101,545 jobs were lost.

## Chart 2

Components of private sector gross job gains and losses in Oklahoma  
March 2011 - September 2021, seasonally adjusted



Source: U.S. Bureau of Labor Statistics  
Note: Shaded area represents NBER defined recession periods.

### Gross Job Gains and Losses: Openings vs. Closings and Expansions vs. Contractions

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 in Oklahoma totaled 69,854 in the 3rd quarter of 2021, an increase of 5,972 jobs compared to the previous quarter. Opening establishments accounted for 18,457 of the jobs gained in the 3rd quarter of 2021, an increase of 1,068 jobs from the previous quarter, (see Chart 2, above).

Gross job losses are the result of contractions in employment at existing establishments and the loss of jobs at closing establishments. Contracting establishments in Oklahoma lost 61,027 jobs in the 3rd quarter of 2021, a decrease of 1,243 jobs from the prior quarter. In the 3rd quarter, closing establishments lost 26,888 jobs, an increase of 14,050 jobs from the previous quarter.

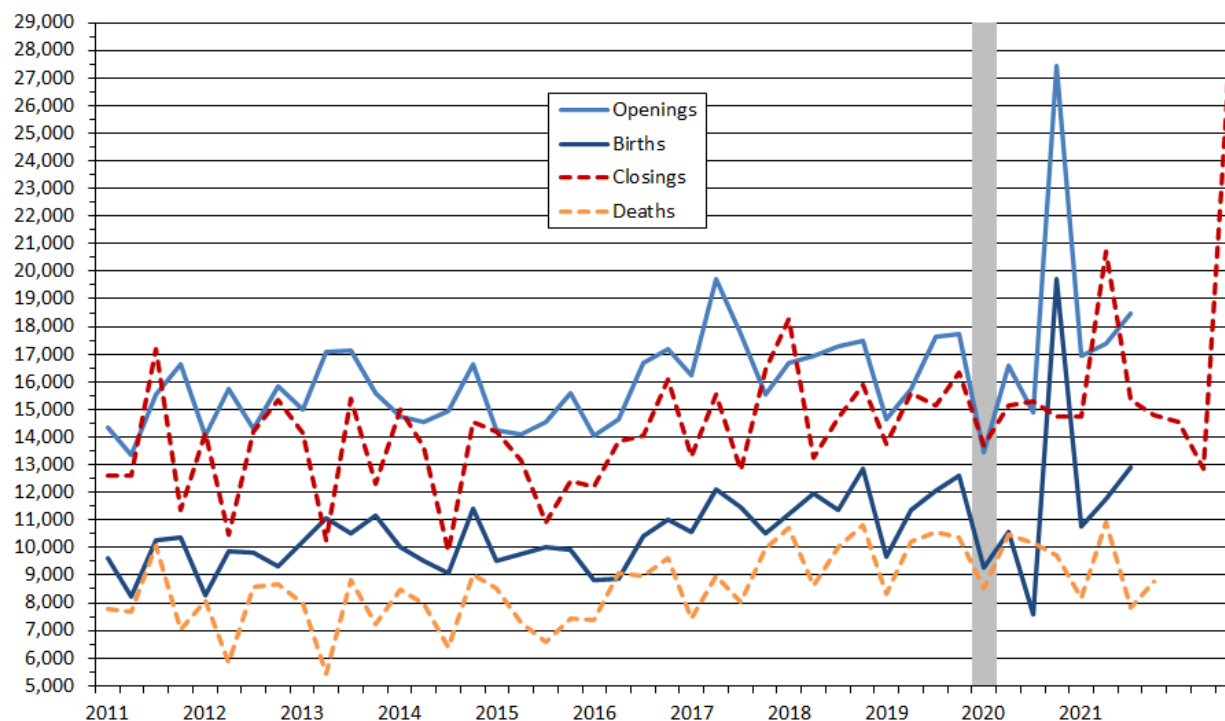
### Establishment Births and Deaths

In Oklahoma, the number of private sector establishment births, (a subset of the openings data), increased by 203, for a total of 3,504 establishments in the 3rd quarter of 2021. These new establishments accounted for 12,902 jobs, an increase of 1,149 jobs from the previous quarter, (see Chart 3, next page).

Data for establishment deaths, (a subset of the closings data), are now available through the 4th quarter of 2020, when 8,796 jobs were lost at 2,258 establishments, a decrease of 981 jobs from the 3rd quarter of 2020, (see Chart 3, below).

### Chart 3

Employment from private sector openings, closings, births and deaths in Oklahoma  
March 2011 - September 2021, seasonally adjusted



Source: U.S. Bureau of Labor Statistics  
Note: Shaded area represents NBER defined recession periods.

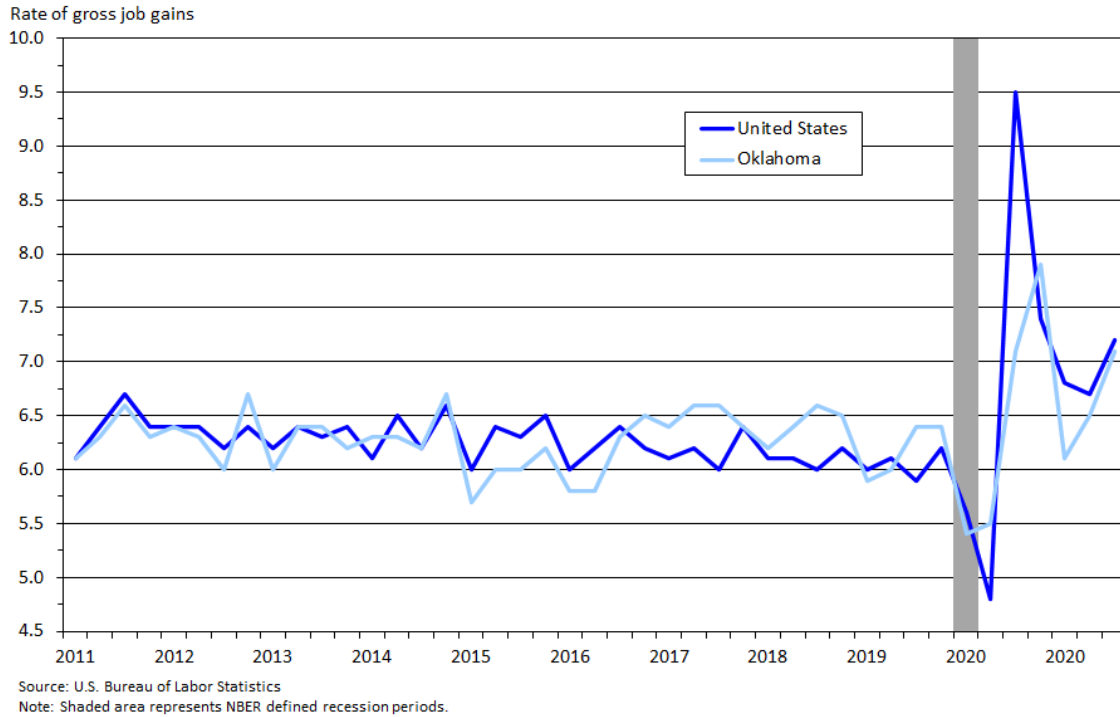
### Gross Job Gains and Gross Job Losses: Percent of Total Private Sector Employment

In the 3rd quarter of 2021, gross job gains represented 7.1 percent of private-sector employment in Oklahoma with expansions accounting for 5.6 percent of total private sector employment and openings contributing 1.5 percent. Nationally, gross job gains accounted for 7.2 percent of private sector employment in the 3rd quarter of 2021. With few exceptions, Oklahoma’s rates of gross job gains have generally tracked with the U.S. rates. However, beginning in the 1st quarter of 2015, the rate of Oklahoma’s gross job gains slipped below the national rate for seven consecutive quarters, exceeded the U.S. rate in the following nine quarters but has lagged behind the U.S. rate in seven out of the past 11 quarters, (see Chart 4, page 4).

In the 3rd quarter of 2021, gross job losses represented 7.0 percent of private-sector employment in Oklahoma, with contractions accounting for 4.9 percent and closings adding another 2.1 percent. The national rate of gross job losses was 6.2 percent in the 3rd quarter of 2021. From the 3rd quarter 2013 forward, Oklahoma’s rate of gross job losses has shown more volatility especially the period beginning 1st quarter 2015 through 1st quarter 2017, then began to track more with national trends from the 4th quarter of 2017 forward (see Chart 5, page 4).

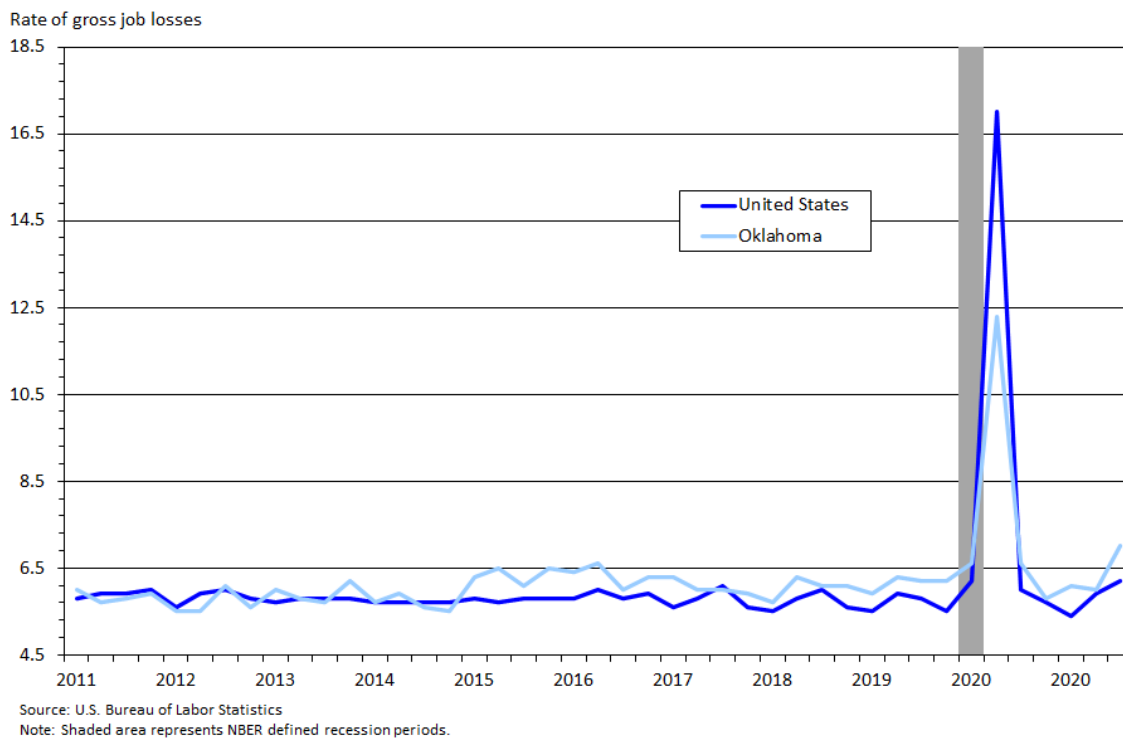
### Chart 4

Private sector gross job gains as a percent of employment, United States and Oklahoma  
March 2011 - September 2021, seasonally adjusted



### Chart 5

Private sector gross job losses as a percent of employment, United States and Oklahoma  
March 2011 - September 2021, seasonally adjusted



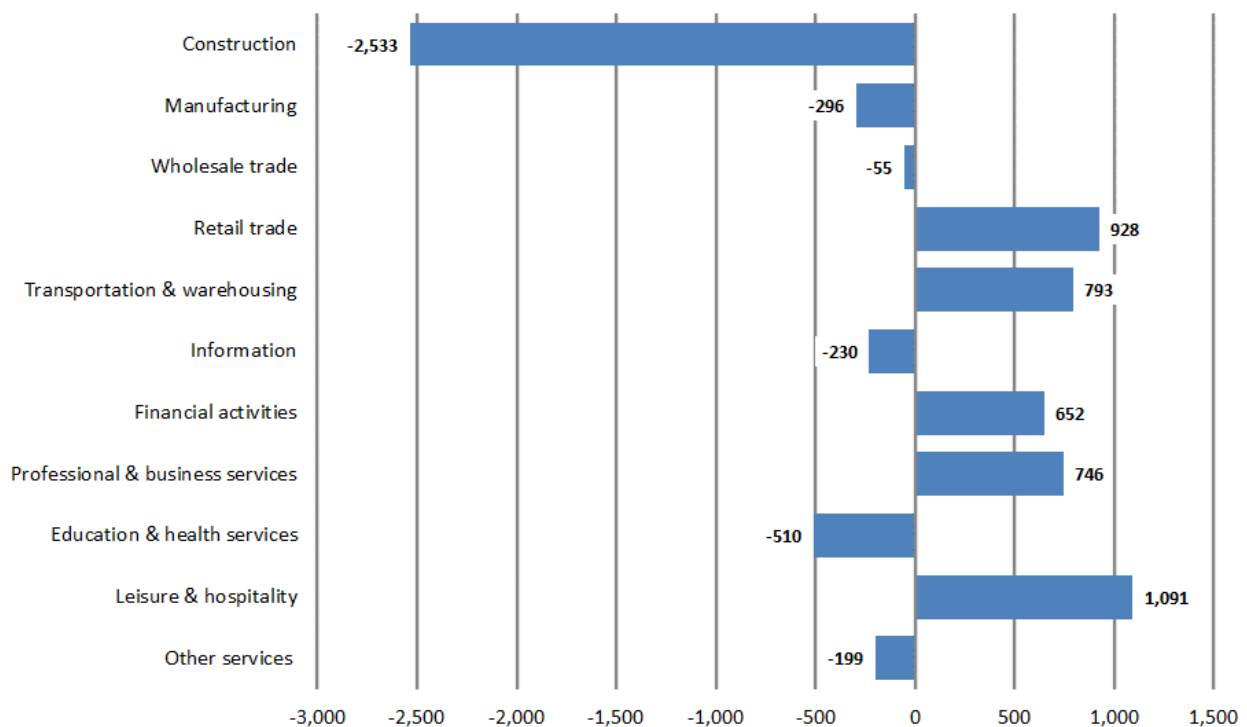
### Gross Job Gains and Gross Job Losses by Industry: 3rd Quarter 2021

Gross job gains exceeded gross job losses in six of Oklahoma’s 11 reported industries in the 3rd quarter of 2021. Oklahoma’s service-providing industries experienced a net job increase of 3,216 jobs in the 3rd quarter. This was the result of 72,691 gross job gains and 69,475 gross job losses. Within service-providing industries, the leisure and hospitality sector had the largest over-the-quarter net job increase, gaining 1,091 jobs, followed by the transportation and warehousing sector with a net increase of 928 jobs in the 3rd quarter. The education and health services sector reported the largest over-the-quarter net job loss of 510 jobs in the 2nd quarter of 2021.

Goods-producing industries reported a net job decrease of 2,829 jobs in the 3rd quarter of 2021. Within goods-producing industries, the construction sector reported the largest net job loss of 2,533 jobs. The manufacturing sector had a net job decrease of 296 jobs in the 3rd quarter of 2021, (see Chart 6 below and Table 5, pp. 12-15).

**Chart 6**

Private sector net change in jobs by industry, Oklahoma  
September 2021, seasonally adjusted



Source: U.S. Department of Labor, Bureau of Labor Statistics

Category	3 months ended				
	Sep 2020	Dec 2020	March 2020	June 2021	Sep 2021
	Levels				
Gross job gains.....	<b>86,685</b>	<b>97,432</b>	<b>75,490</b>	<b>81,271</b>	<b>88,311</b>
Expanding establishments	71,782	69,986	58,549	63,882	69,854
Opening establishments	14,903	27,446	16,941	17,389	18,457
Gross job losses.....	<b>79,279</b>	<b>71,686</b>	<b>75,024</b>	<b>75,108</b>	<b>87,915</b>
Contracting establishments	63,957	56,908	60,492	62,270	61,027
Closing establishments	15,322	14,778	14,532	12,838	26,888
Net employment change <sup>1</sup>	7,406	25,746	466	6,163	396
	Rates (percent)				
Gross job gains.....	<b>7.1</b>	<b>7.9</b>	<b>6.1</b>	<b>6.5</b>	<b>7.1</b>
Expanding establishments	5.9	5.7	4.7	5.1	5.6
Opening establishments	1.2	2.2	1.4	1.4	1.5
Gross job losses.....	<b>6.6</b>	<b>5.8</b>	<b>6.1</b>	<b>6.0</b>	<b>7.0</b>
Contracting establishments	5.3	4.6	4.9	5.0	4.9
Closing establishments	1.3	1.2	1.2	1.0	2.1
Net employment change <sup>1</sup>	0.5	2.1	0.0	0.5	0.1
Source: U.S Bureau of Labor Statistics					
<sup>1</sup> Net employment change is the difference between total gross job gains and total gross job losses.					

### Additional Statistics and Other Information

Additional information on gross job gains and gross job losses are available online at <http://www.bls.gov/bdm>. This information includes national data on the levels and rates of gross job gains and gross job losses by firm size, the 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 may be obtained by emailing [BDMinfo@bls.gov](mailto:BDMinfo@bls.gov).

### Technical Note

#### Concepts and Methodology

The Business Employment Dynamics (BED) data are a product of a federal-state cooperative program known as Quarterly Census of Employment and Wages (QCEW), or the ES-202 program. The BED data are compiled from existing quarterly QCEW records. The QCEW reports are sent by the State Employment Security Agencies (SESAs) to BLS and form the basis of the Bureau's QCEW program and establishment universe sampling frame. These reports are also used to produce the QCEW data on total employment and wages. Other important Bureau uses of the QCEW reports are in the Current Employment Statistics



(CES) program. The CES program produces monthly estimates of employment, net changes, and earnings by detailed industry.

In the BED program, the 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 establishments and jobs lost at closing and contracting establishments.

The change in the number of jobs over time is the net result of increases and decreases in employment that occur at all businesses in the economy. BED statistics track these changes in employment at private business establishments from the third month of one quarter to the third month of the next. Gross job gains are the sum of increases in employment from expansions at existing establishments and the addition of new jobs at opening establishments. Gross job losses are the result of contractions in employment at existing establishments and the loss of jobs at closing establishments. The difference between the number of gross jobs gained and the number of gross jobs lost is the net change in employment.

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. 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.

The formal definitions of employment changes are as follows:

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

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

Table 1. Oklahoma: Private sector gross job gains and job losses, seasonally adjusted								
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
2011	March	756	71,799	57,477	14,322	71,043	56,884	14,159
	June	7,953	74,749	61,401	13,348	66,796	56,320	10,476
	September	10,818	79,252	63,701	15,551	68,434	54,259	14,175
	December	5,660	75,717	59,069	16,648	70,057	54,732	15,325
2012	March	10,738	76,723	62,674	14,049	65,985	51,844	14,141
	June	8,259	76,231	60,473	15,758	67,972	57,706	10,266
	September	-524	73,500	59,201	14,299	74,024	58,629	15,395
	December	13,382	81,803	65,976	15,827	68,421	56,136	12,285
2013	March	207	74,070	59,077	14,993	73,863	58,895	14,968
	June	6,364	78,751	61,649	17,102	72,387	58,716	13,671
	September	8,210	78,714	61,570	17,144	70,504	60,638	9,866
	December	-726	76,708	61,106	15,602	77,434	62,876	14,558
2014	March	5,914	78,078	63,312	14,766	72,164	57,960	14,204
	June	4,426	78,581	64,018	14,563	74,155	60,997	13,158
	September	6,688	77,401	62,466	14,935	70,713	59,797	10,916
	December	15,419	84,970	68,341	16,629	69,551	57,138	12,413
2015	March	-6,323	73,242	58,991	14,251	79,565	67,373	12,192
	June	-6,412	76,605	62,518	14,087	83,017	69,151	13,866
	September	-1,684	75,998	61,438	14,560	77,682	63,621	14,061
	December	-3,078	79,006	63,401	15,605	82,084	65,983	16,101
2016	March	-7,561	73,005	58,982	14,023	80,566	67,285	13,281
	June	-11,226	72,329	57,687	14,642	83,555	68,024	15,531
	September	3,564	78,789	62,091	16,698	75,225	62,404	12,821
	December	2,138	80,769	63,586	17,183	78,631	62,210	16,421
2017	March	1,201	79,849	63,594	16,255	78,648	60,376	18,272
	June	8,559	82,879	63,139	19,740	74,320	61,088	13,232
	September	8,382	83,336	65,594	17,742	74,954	60,250	14,704
	December	6,553	81,652	66,098	15,554	75,099	59,221	15,878
2018	March	6,770	79,237	62,568	16,669	72,467	58,743	13,724
	June	1,654	82,186	65,271	16,915	80,532	64,954	15,578
	September	7,320	85,900	68,642	17,258	78,580	63,423	15,157
	December	4,638	83,531	66,028	17,503	78,893	62,568	16,325
2019	March	836	76,654	62,035	14,619	75,818	62,126	13,692
	June	-2,929	77,673	61,942	15,731	80,602	65,470	15,132
	September	2,012	82,435	64,810	17,625	80,423	65,116	15,307
	December	1,977	83,095	65,369	17,726	81,118	66,365	14,753
2020	March	-15,684	70,187	56,725	13,462	85,871	71,146	14,725
	June	-83,419	69,513	52,927	16,586	152,932	132,200	20,732
	September	7,406	86,685	71,782	14,903	79,279	63,957	15,322
	December	25,746	97,432	69,986	27,446	71,686	56,908	14,778
2021	March	466	75,490	58,549	16,941	75,024	60,492	14,532
	June	6,163	81,271	63,882	17,389	75,108	62,270	12,838
	September	396	88,311	69,854	18,457	87,915	61,027	26,888

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

			Gross job gains			Gross job losses		
Year	3 months ended	Net change <sup>2</sup>	Total	Expanding establishments	Opening establishments	Total	Contracting establishments	Closing establishments
2011	March	0.1	6.1	4.9	1.2	6.0	4.8	1.2
	June	0.6	6.3	5.2	1.1	5.7	4.8	0.9
	September	0.8	6.6	5.3	1.3	5.8	4.6	1.2
	December	0.4	6.3	4.9	1.4	5.9	4.6	1.3
2012	March	0.9	6.4	5.2	1.2	5.5	4.3	1.2
	June	0.8	6.3	5.0	1.3	5.5	4.7	0.8
	September	-0.1	6.0	4.8	1.2	6.1	4.8	1.3
	December	1.1	6.7	5.4	1.3	5.6	4.6	1.0
2013	March	0.0	6.0	4.8	1.2	6.0	4.8	1.2
	June	0.6	6.4	5.0	1.4	5.8	4.7	1.1
	September	0.7	6.4	5.0	1.4	5.7	4.9	0.8
	December	0.0	6.2	4.9	1.3	6.2	5.0	1.2
2014	March	0.6	6.3	5.1	1.2	5.7	4.6	1.1
	June	0.4	6.3	5.1	1.2	5.9	4.9	1.0
	September	0.6	6.2	5.0	1.2	5.6	4.7	0.9
	December	1.2	6.7	5.4	1.3	5.5	4.5	1.0
2015	March	-0.6	5.7	4.6	1.1	6.3	5.3	1.0
	June	-0.5	6.0	4.9	1.1	6.5	5.4	1.1
	September	-0.1	6.0	4.9	1.1	6.1	5.0	1.1
	December	-0.3	6.2	5.0	1.2	6.5	5.2	1.3
2016	March	-0.6	5.8	4.7	1.1	6.4	5.3	1.1
	June	-0.8	5.8	4.6	1.2	6.6	5.4	1.2
	September	0.3	6.3	5.0	1.3	6.0	5.0	1.0
	December	0.2	6.5	5.1	1.4	6.3	5.0	1.3
2017	March	0.1	6.4	5.1	1.3	6.3	4.8	1.5
	June	0.6	6.6	5.0	1.6	6.0	4.9	1.1
	September	0.6	6.6	5.2	1.4	6.0	4.8	1.2
	December	0.5	6.4	5.2	1.2	5.9	4.7	1.2
2018	March	0.5	6.2	4.9	1.3	5.7	4.6	1.1
	June	0.1	6.4	5.1	1.3	6.3	5.1	1.2
	September	0.5	6.6	5.3	1.3	6.1	4.9	1.2
	December	0.4	6.5	5.1	1.4	6.1	4.8	1.3
2019	March	0.0	5.9	4.8	1.1	5.9	4.8	1.1
	June	-0.3	6.0	4.8	1.2	6.3	5.1	1.2
	September	0.2	6.4	5.0	1.4	6.2	5.0	1.2
	December	0.2	6.4	5.0	1.4	6.2	5.1	1.1
2020	March	-1.2	5.4	4.4	1.0	6.6	5.5	1.1
	June	-6.8	5.5	4.2	1.3	12.3	10.6	1.7
	September	0.5	7.1	5.9	1.2	6.6	5.3	1.3
	December	2.1	7.9	5.7	2.2	5.8	4.6	1.2
2021	March	0.0	6.1	4.7	1.4	6.1	4.9	1.2
	June	0.5	6.5	5.1	1.4	6.0	5.0	1.0
	September	0.1	7.1	5.6	1.5	7.0	4.9	2.1

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

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

<b>Table 3. Oklahoma: Private sector establishment births and deaths, seasonally adjusted</b>					
<b>Year</b>	<b>3 months ended</b>	<b>Births<sup>1</sup></b>		<b>Deaths<sup>2</sup></b>	
		<b>Establishments</b>	<b>Employment</b>	<b>Establishments</b>	<b>Employment</b>
2011	March	2,140	9,596	2,353	8,074
	June	2,057	8,234	1,625	5,818
	September	2,209	10,254	2,136	8,566
	December	2,395	10,368	2,007	8,696
2012	March	2,109	8,288	2,164	7,963
	June	2,178	9,883	1,558	5,420
	September	2,369	9,822	2,279	8,827
	December	1,962	9,329	1,775	7,238
2013	March	2,463	10,200	2,396	8,486
	June	2,315	11,058	2,079	7,952
	September	2,545	10,534	1,684	6,388
	December	2,329	11,139	2,158	9,012
2014	March	2,356	10,025	2,484	8,500
	June	2,449	9,512	1,965	7,301
	September	2,338	9,051	1,685	6,583
	December	2,496	11,401	2,072	7,420
2015	March	2,392	9,500	2,341	7,402
	June	2,345	9,784	2,537	9,080
	September	2,354	9,997	2,412	8,956
	December	2,344	9,928	2,446	9,616
2016	March	2,271	8,764	2,308	7,347
	June	2,298	8,892	2,367	9,028
	September	2,343	10,368	2,325	8,034
	December	2,396	11,119	2,371	9,995
2017	March	2,556	10,499	2,903	10,639
	June	2,538	12,113	1,964	8,674
	September	2,531	11,419	2,120	10,032
	December	2,389	10,617	2,734	10,808
2018	March	2,276	11,151	2,226	8,272
	June	2,548	11,958	2,727	10,272
	September	2,478	11,348	2,501	10,612
	December	2,713	12,934	2,481	10,397
2019	March	2,320	9,606	2,402	8,475
	June	2,681	11,377	2,599	10,534
	September	2,808	12,027	2,437	10,205
	December	2,595	12,691	2,575	9,744
2020	March	2,089	9,281	2,267	8,179
	June	2,433	10,420	N/A	N/A
	September	1,956	7,483	N/A	N/A
	December	3,193	20,613	N/A	N/A
2021	March	2,822	10,783	N/A	N/A
	June	3,301	11,753	N/A	N/A
	September	3,504	12,902	N/A	N/A

<sup>1</sup> Values for births are not available for the first three quarters

<sup>2</sup> Values for death s are not available for the most recent three quarters by definition.

<b>Table 4. Oklahoma: Rates<sup>1</sup> of private sector establishment births and deaths, seasonally adjusted</b>					
		<b>Births<sup>2</sup></b>		<b>Deaths<sup>3</sup></b>	
<b>Year</b>	<b>3 months ended</b>	<b>Establishments</b>	<b>Employment</b>	<b>Establishments</b>	<b>Employment</b>
2011	March	2.6	0.8	2.8	0.7
	June	2.5	0.7	2.0	0.5
	September	2.7	0.9	2.6	0.7
	December	2.9	0.9	2.4	0.7
2012	March	2.5	0.7	2.6	0.7
	June	2.6	0.8	1.9	0.4
	September	2.8	0.8	2.7	0.7
	December	2.3	0.8	2.1	0.6
2013	March	2.9	0.8	2.8	0.7
	June	2.7	0.9	2.4	0.6
	September	3.0	0.8	2.0	0.5
	December	2.7	0.9	2.5	0.7
2014	March	2.7	0.8	2.9	0.7
	June	2.8	0.8	2.3	0.6
	September	2.7	0.7	1.9	0.5
	December	2.8	0.9	2.3	0.6
2015	March	2.7	0.7	2.6	0.6
	June	2.6	0.8	2.9	0.7
	September	2.7	0.8	2.7	0.7
	December	2.6	0.8	2.8	0.8
2016	March	2.6	0.7	2.6	0.6
	June	2.6	0.7	2.7	0.7
	September	2.6	0.8	2.6	0.6
	December	2.7	0.9	2.7	0.8
2017	March	2.9	0.8	3.3	0.9
	June	2.9	1.0	2.2	0.7
	September	2.8	0.9	2.4	0.8
	December	2.6	0.8	3.0	0.8
2018	March	2.5	0.9	2.5	0.7
	June	2.8	0.9	3.0	0.8
	September	2.8	0.9	2.8	0.8
	December	3.0	1.0	2.8	0.8
2019	March	2.6	0.7	2.7	0.7
	June	3.0	0.9	2.9	0.8
	September	3.1	0.9	2.7	0.8
	December	2.8	1.0	2.8	0.7
2020	March	2.3	0.7	2.5	0.6
	June	2.7	0.8	3.5	0.9
	September	2.2	0.6	2.6	0.6
	December	3.6	1.6	N/A	N/A
2021	March	3.1	0.9	N/A	N/A
	June	3.6	0.9	N/A	N/A
	September	3.9	1.0	N/A	N/A

<sup>1</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, by definition.

<sup>3</sup>Values for deaths are not available for the most recent three quarters by definition.

**Table 5. Private sector gross job gains and losses by industry, Oklahoma, seasonally adjusted**

Category	Gross job gains and job losses (3 months ended)					Gross job gains and job losses as a percent of employment (3 months ended)				
	Sep.	Dec.	Mar.	Jun.	Sep.	Sep.	Dec.	Mar.	Jun.	Sep.
	2020	2020	2021	2021	2021	2020	2020	2021	2021	2021
Total private <sup>1</sup> .....										
Gross job gains .....	86,685	97,432	75,490	81,271	88,311	7.1	7.9	6.1	6.5	7.1
At expanding establishments ...	71,782	69,986	58,549	63,882	69,854	5.9	5.7	4.7	5.1	5.6
At opening establishments ...	14,903	27,446	16,941	17,389	18,457	1.2	2.2	1.4	1.4	1.5
Gross job losses .....	79,279	71,686	75,024	75,108	87,915	6.6	5.8	6.1	6.0	7.0
At contracting establishments ...	63,957	56,908	60,492	62,270	61,027	5.3	4.6	4.9	5.0	4.9
At closing establishments ...	15,322	14,778	14,532	12,838	26,888	1.3	1.2	1.2	1.0	2.1
Net employment change <sup>2</sup> .....	7,406	25,746	466	6,163	396	0.5	2.1	0.0	0.5	0.1
Construction .....										
Gross job gains .....	5,574	7,328	6,822	6,909	6,488	7.1	9.5	8.6	8.7	8.4
At expanding establishments ...	4,466	5,539	5,389	5,472	5,194	5.7	7.2	6.8	6.9	6.7
At opening establishments ...	1,108	1,789	1,433	1,437	1,294	1.4	2.3	1.8	1.8	1.7
Gross job losses .....	8,355	6,348	6,152	6,727	9,021	10.8	8.3	7.8	8.5	11.6
At contracting establishments ...	7,378	5,222	4,746	5,434	5,607	9.5	6.8	6.0	6.9	7.2
At closing establishments ...	977	1,126	1,406	1,293	3,414	1.3	1.5	1.8	1.6	4.4
Net employment change <sup>2</sup> .....	-2,781	980	670	182	-2,533	-3.7	1.2	0.8	0.2	-3.2
Manufacturing .....										
Gross job gains .....	5,573	5,300	4,574	4,482	5,224	4.3	4.1	3.6	3.5	4.1
At expanding establishments ...	5,076	4,413	4,210	3,959	4,722	3.9	3.4	3.3	3.1	3.7
At opening establishments ...	497	887	364	523	502	0.4	0.7	0.3	0.4	0.4
Gross job losses .....	6,001	5,852	3,476	4,408	5,520	4.7	4.6	2.7	3.4	4.3
At contracting establishments ...	5,393	5,120	2,829	4,068	4,250	4.2	4.0	2.2	3.1	3.3
At closing establishments ...	608	732	647	340	1,270	0.5	0.6	0.5	0.3	1.0
Net employment change <sup>2</sup> .....	-428	-552	1,098	74	-296	-0.4	-0.5	0.9	0.1	-0.2
Wholesale trade .....										
Gross job gains .....	2,885	3,286	2,836	2,860	3,174	5.3	6.0	5.2	5.3	5.9
At expanding establishments ...	2,384	2,289	2,396	2,297	2,321	4.4	4.2	4.4	4.3	4.3
At opening establishments ...	501	997	440	563	853	0.9	1.8	0.8	1.0	1.6
Gross job losses .....	3,318	2,707	2,704	2,570	3,229	6.2	5.1	5.0	4.8	6.0
At contracting establishments ...	2,574	2,248	2,208	2,094	2,008	4.8	4.2	4.1	3.9	3.7
At closing establishments ...	744	459	496	476	1,221	1.4	0.9	0.9	0.9	2.3
Net employment change <sup>2</sup> .....	-433	579	132	290	-55	-0.9	0.9	0.2	0.5	-0.1

Note: See footnotes at end of table

**Table 5. Private sector gross job gains and losses by industry, Oklahoma, seasonally adjusted (cont.)**

Category	Gross job gains and job losses (3 months ended)					Gross job gains and job losses as a percent of employment (3 months ended)				
	Sep.	Dec.	Mar.	Jun.	Sep.	Sep.	Dec.	Mar.	Jun.	Sep.
	2020	2020	2021	2021	2021	2020	2020	2021	2021	2021
Retail trade .....										
Gross job gains .....	14,516	12,363	11,003	11,935	13,391	8.2	6.9	6.1	6.5	7.3
At expanding establishments ...	13,266	9,706	8,448	9,521	11,588	7.5	5.4	4.7	5.2	6.3
At opening establishments ...	1,250	2,657	2,555	2,414	1,803	0.7	1.5	1.4	1.3	1.0
Gross job losses .....	10,676	10,278	11,563	11,322	12,463	6.1	5.8	6.4	6.2	6.8
At contracting establishments ...	8,948	8,199	9,738	9,883	9,129	5.1	4.6	5.4	5.4	5.0
At closing establishments ...	1,728	2,079	1,825	1,439	3,334	1.0	1.2	1.0	0.8	1.8
Net employment change <sup>2</sup> .....	3,840	2,085	-560	613	928	2.1	1.1	-0.3	0.3	0.5
Transportation and warehousing .....										
Gross job gains .....	5,644	12,923	2,359	2,584	3,679	9.5	19.8	3.5	4.0	5.7
At expanding establishments ...	5,224	5,997	1,795	2,092	3,306	8.8	9.2	2.7	3.2	5.1
At opening establishments ...	420	6,926	564	492	373	0.7	10.6	0.8	0.8	0.6
Gross job losses .....	3,412	2,866	5,915	4,576	2,886	5.7	4.3	8.8	7.0	4.5
At contracting establishments ...	2,797	2,252	5,449	4,170	2,143	4.7	3.4	8.1	6.4	3.3
At closing establishments ...	615	614	466	406	743	1.0	0.9	0.7	0.6	1.2
Net employment change <sup>2</sup> .....	2,232	10,057	-3,556	-1,992	793	3.8	15.5	-5.3	-3.0	1.2
Information .....										
Gross job gains .....	1,040	770	793	1,430	1,069	5.9	4.4	4.5	8.0	6.0
At expanding establishments ...	760	519	612	908	830	4.3	3.0	3.5	5.1	4.7
At opening establishments ...	280	251	181	522	239	1.6	1.4	1.0	2.9	1.3
Gross job losses .....	1,080	1,195	694	1,017	1,299	6.0	6.8	3.9	5.8	7.3
At contracting establishments ...	804	935	581	720	957	4.5	5.3	3.3	4.1	5.4
At closing establishments ...	276	260	113	297	342	1.5	1.5	0.6	1.7	1.9
Net employment change <sup>2</sup> .....	-40	-425	99	413	-230	-0.1	-2.4	0.6	2.2	-1.3
Financial activities .....										
Gross job gains .....	3,579	4,397	3,870	4,193	4,885	4.9	6.0	5.1	5.6	6.5
At expanding establishments ...	2,720	3,160	2,804	3,043	3,386	3.7	4.3	3.7	4.1	4.5
At opening establishments ...	859	1,237	1,066	1,150	1,499	1.2	1.7	1.4	1.5	2.0
Gross job losses .....	3,890	3,770	3,774	3,827	4,233	5.3	5.0	5.1	5.1	5.7
At contracting establishments ...	2,869	2,549	2,836	2,608	2,523	3.9	3.4	3.8	3.5	3.4
At closing establishments ...	1,021	1,221	938	1,219	1,710	1.4	1.6	1.3	1.6	2.3
Net employment change <sup>2</sup> .....	-311	627	96	366	652	-0.4	1.0	0.0	0.5	0.8

Note: See footnotes at end of table

**Table 5. Private sector gross job gains and losses by industry, Oklahoma, seasonally adjusted (cont.)**

Category	Gross job gains and job losses (3 months ended)					Gross job gains and job losses as a percent of employment (3 months ended)				
	Sep.	Dec.	Mar.	Jun.	Sep.	Sep.	Dec.	Mar.	Jun.	Sep.
	2020	2020	2021	2021	2021	2020	2020	2021	2021	2021
Professional and business services .....										
Gross job gains .....	16,270	17,725	14,271	15,538	16,978	9.0	9.6	7.7	8.2	8.9
At expanding establishments ...	12,821	13,498	10,614	11,956	12,915	7.1	7.3	5.7	6.3	6.8
At opening establishments ...	3,449	4,227	3,657	3,582	4,063	1.9	2.3	2.0	1.9	2.1
Gross job losses .....	14,023	12,020	12,013	13,883	16,232	7.8	6.5	6.4	7.4	8.5
At contracting establishments ...	10,660	8,806	8,866	11,134	11,012	5.9	4.8	4.7	5.9	5.8
At closing establishments ...	3,363	3,214	3,147	2,749	5,220	1.9	1.7	1.7	1.5	2.7
Net employment change <sup>2</sup> .....	6,208	6,208	2,258	1,655	746	1.2	3.1	1.3	0.8	0.4
Education and health services .....										
Gross job gains .....	11,329	12,059	9,725	9,423	11,498	5.5	5.8	4.7	4.4	5.4
At expanding establishments ...	9,084	8,936	7,721	7,303	8,093	4.4	4.3	3.7	3.4	3.8
At opening establishments ...	2,245	3,123	2,004	2,120	3,405	1.1	1.5	1.0	1.0	1.6
Gross job losses .....	9,820	9,477	11,163	10,019	12,008	4.7	4.5	5.3	4.7	5.7
At contracting establishments ...	7,944	7,624	9,100	8,469	8,579	3.8	3.6	4.3	4.0	4.1
At closing establishments ...	1,876	1,853	2,063	1,550	3,429	0.9	0.9	1.0	0.7	1.6
Net employment change <sup>2</sup> .....	1,509	2,582	-1,438	-596	-510	0.8	1.3	-0.6	-0.3	-0.3
Leisure and hospitality										
Gross job gains .....	14,989	15,111	13,336	16,239	15,014	9.7	9.6	8.3	9.9	8.9
At expanding establishments ...	11,900	11,651	10,377	13,052	12,284	7.7	7.4	6.5	8.0	7.3
At opening establishments ...	3,089	3,460	2,959	3,187	2,730	2.0	2.2	1.8	1.9	1.6
Gross job losses .....	11,526	11,618	12,056	11,289	13,923	7.5	7.3	7.5	6.8	8.3
At contracting establishments ...	9,182	9,687	9,704	9,429	11,033	6.0	6.1	6.0	5.7	6.6
At closing establishments ...	2,344	1,931	2,352	1,860	2,890	1.5	1.2	1.5	1.1	1.7
Net employment change <sup>2</sup> .....	3,463	3,493	1,280	4,950	1,091	-13.3	2.3	0.8	3.1	0.6
Other services <sup>3</sup> .....										
Gross job gains .....	2,780	3,108	2,611	2,734	3,003	8.6	9.4	7.7	8.1	8.8
At expanding establishments ...	2,236	2,234	1,924	2,189	2,345	6.9	6.8	5.7	6.5	6.9
At opening establishments ...	544	874	687	545	658	1.7	2.6	2.0	1.6	1.9
Gross job losses .....	2,448	2,359	2,443	2,446	3,202	7.5	7.1	7.3	7.3	9.5
At contracting establishments ...	1,783	1,893	1,929	1,817	1,789	5.5	5.7	5.8	5.4	5.3
At closing establishments ...	665	466	514	629	1,413	2.0	1.4	1.5	1.9	1413
Net employment change <sup>2</sup> .....	332	749	168	288	-199	1.1	2.3	0.4	0.8	-0.7

Footnotes:

(1) Includes unclassified sector not shown separately.

(2) The net employment change is the difference between total gross job gains and total gross job losses.

(3) Except public administration.



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