

2020

Business Employment Dynamics

4th Quarter



Oklahoma Employment Security Commission  
Economic Research and Analysis Division

# OKLAHOMA BUSINESS EMPLOYMENT DYNAMICS

## 4th Quarter 2020

Oklahoma Employment Security Commission  
Shelley Zumwalt, Executive Director

Economic Research and Analysis Division  
Lynn Gray, Director & Chief Economist

Will Rogers Memorial Office Building  
Labor Market Information Unit, 5th Floor N  
P.O. Box 52003  
Oklahoma City, OK 73152-2003  
Phone: (405) 557-5369  
Fax: (405) 525-0139  
Email: [lmi1@oesc.state.ok.us](mailto:lmi1@oesc.state.ok.us)

## August 2021

This publication is issued and is part of the activities of the Oklahoma Employment Security Commission as authorized by the Oklahoma Employment Security Act. An electronic copy has been deposited with the Publishing Clearinghouse of the Oklahoma Department of Libraries.

Equal Opportunity Employer/Program  
Auxiliary aids and services are available upon request for individuals with disabilities

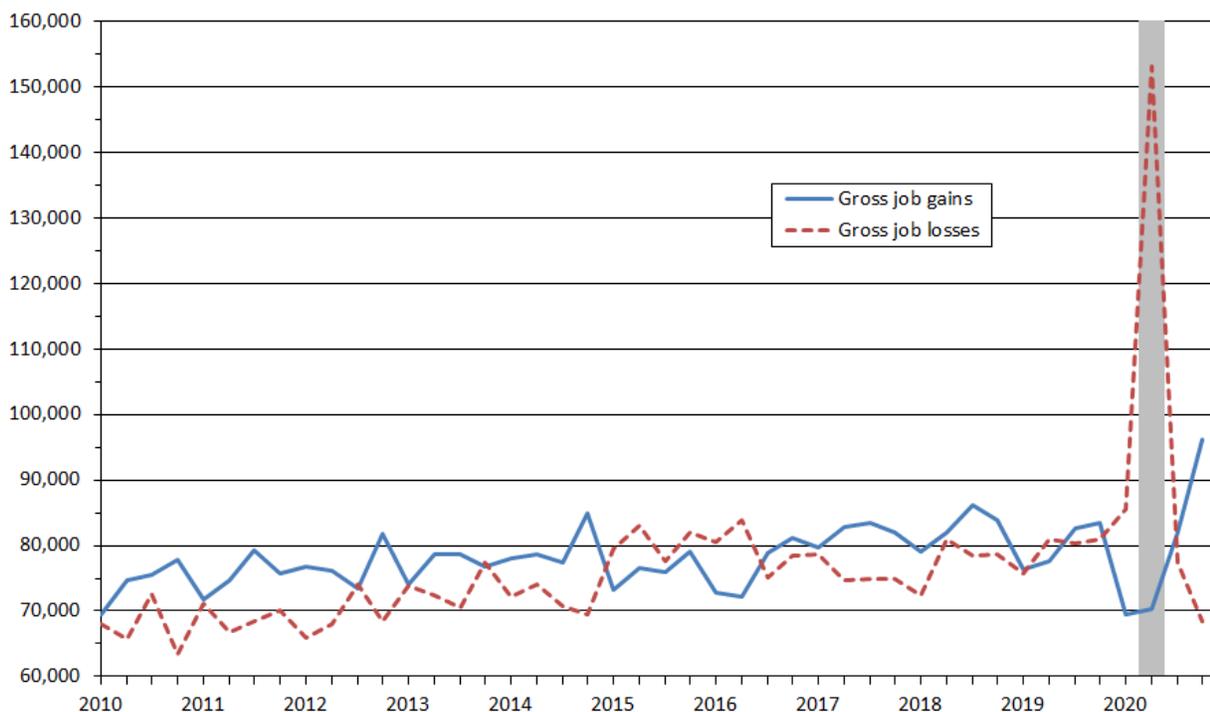
## OKLAHOMA BUSINESS EMPLOYMENT DYNAMICS: 4th Quarter 2020

### Gross Job Gains and Gross Job Losses: 4th Quarter 2020

From September 2020 to December 2020, gross job gains from opening and expanding private-sector establishments in Oklahoma totaled 96,217, an increase of 14,256 jobs from the previous quarter. Over this period, gross job losses from closing and contracting private-sector establishments numbered 68,507, a decrease of 8,980 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 27,710 jobs in Oklahoma’s private sector during the 4th quarter of 2020.

#### Chart 1

Private sector gross job gains and gross job losses in Oklahoma  
March 2010 - December 2020, seasonally adjusted



Source: U.S. Bureau of Labor Statistics

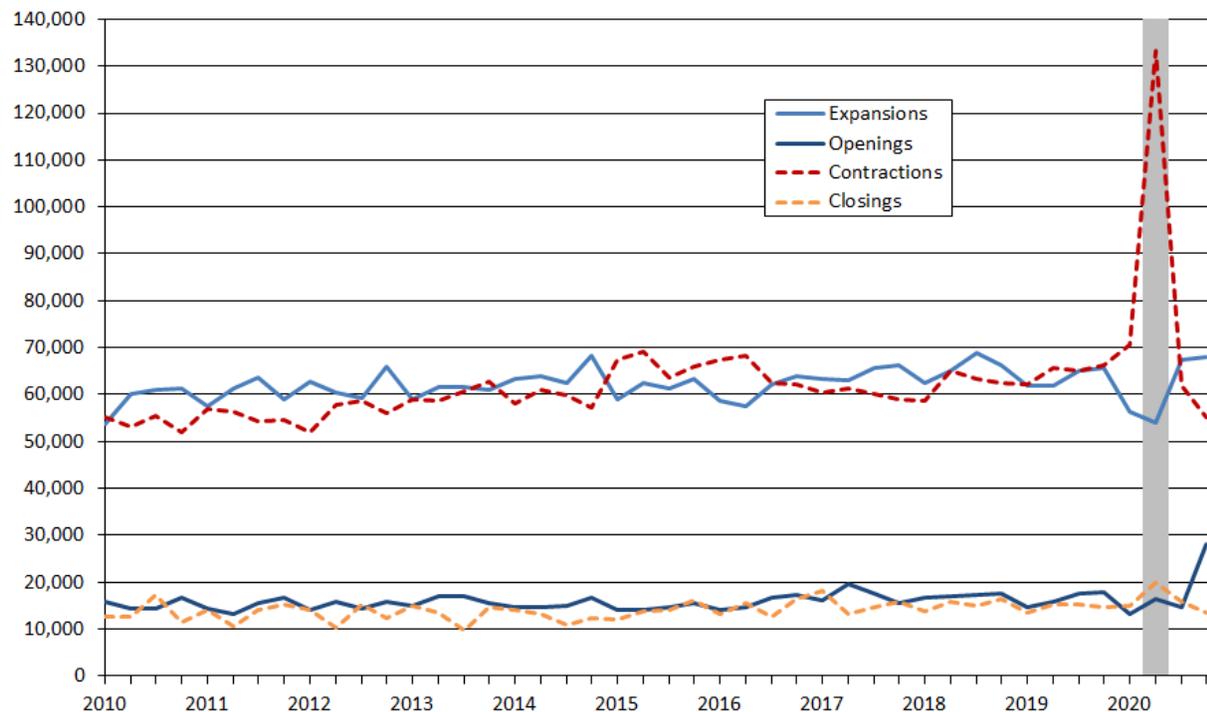
Note: Shaded area represents NBER defined recession period.

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 (153,017) 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 2010 - December 2020, 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 68,132 in the 4th quarter of 2020, an increase of 858 jobs compared to the previous quarter. Opening establishments accounted for 28,085 of the jobs gained in the 4th quarter of 2020, an increase of 13,398 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 55,120 jobs in the 4th quarter of 2020, a decrease of 6,642 jobs from the prior quarter. In the 4th quarter, closing establishments lost 13,387 jobs, a decrease of 2,338 jobs from the previous quarter.

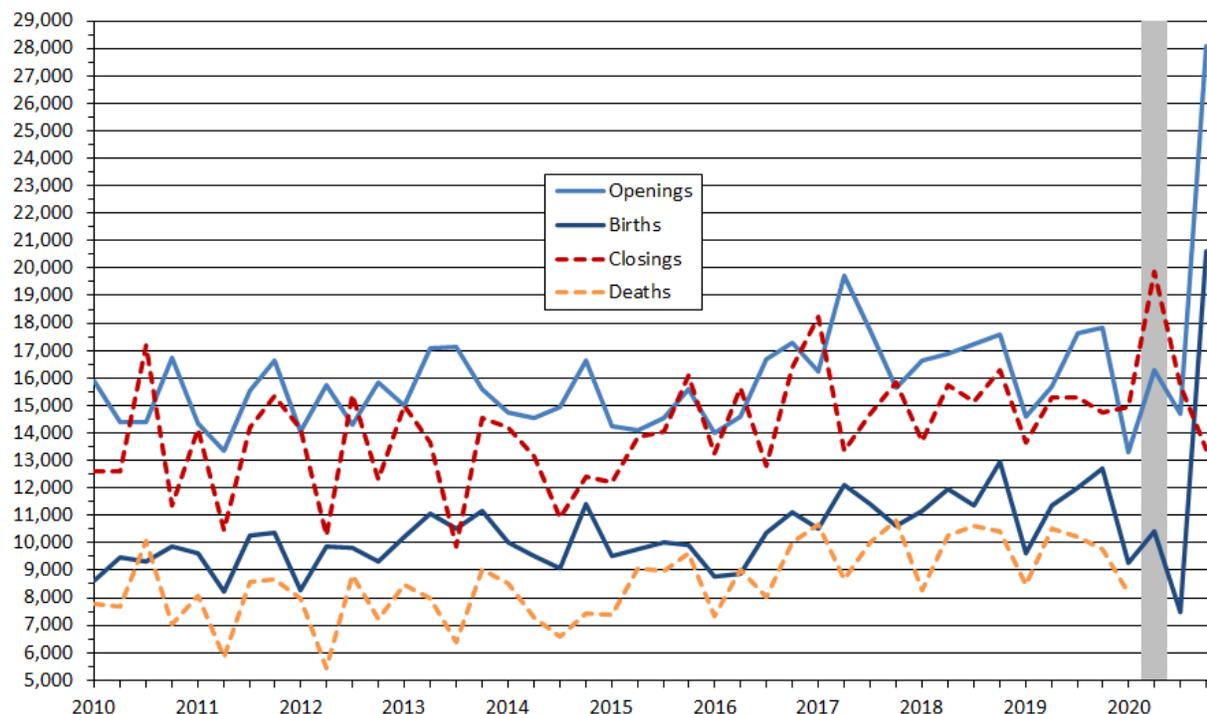
### Establishment Births and Deaths

In Oklahoma, the number of private sector establishment births, (a subset of the openings data), increased by 1,237, for a total of 3,193 establishments in the 4th quarter of 2020. These new establishments accounted for 20,613 jobs, a increase of 13,130 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 1st quarter of 2020, when 8,179 jobs were lost at 2,267 establishments, a decrease of 1,565 jobs from the 4th quarter of 2019, (see Chart 3, below).

### Chart 3

Employment from private sector openings, closings, births and deaths in Oklahoma  
March 2010 - December 2020, seasonally adjusted



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

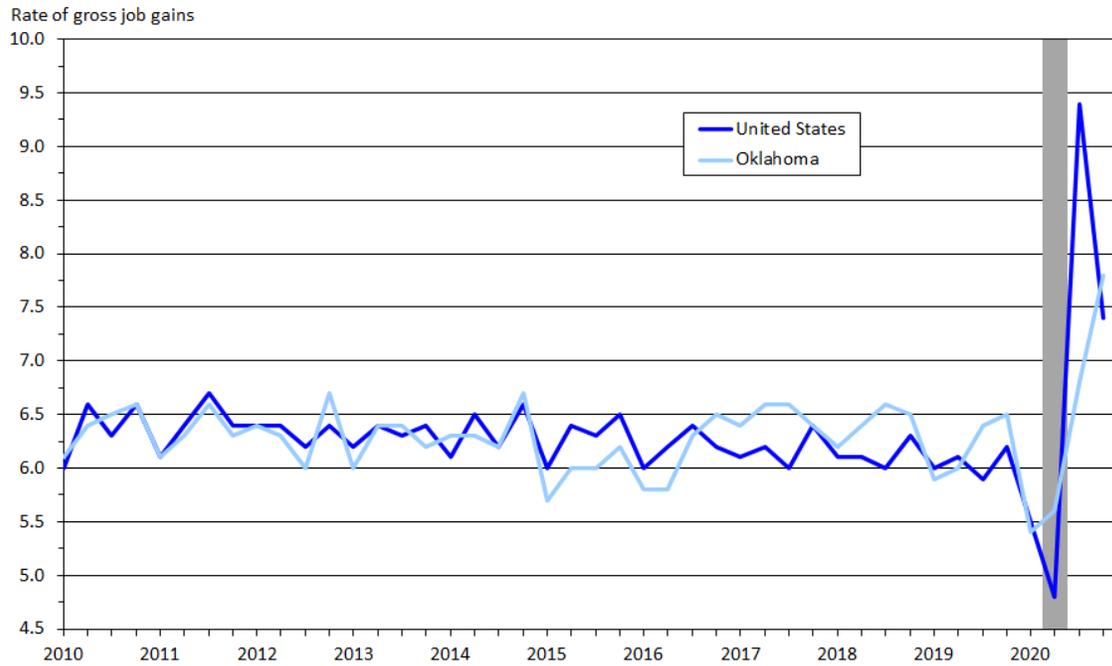
### Gross Job Gains and Gross Job Losses: Percent of Total Private Sector Employment

In the 4th quarter of 2020, gross job gains represented 7.8 percent of private-sector employment in Oklahoma with expansions accounting for 5.5 percent of total private sector employment and openings contributing 2.3 percent. Nationally, gross job gains accounted for 7.4 percent of private sector employment in the 4th quarter of 2020. 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 four out of the past eight quarters, (see Chart 4, page 4).

In the 4th quarter of 2020, gross job losses represented 5.6 percent of private-sector employment in Oklahoma, with contractions accounting for 4.5 percent and closings adding another 1.1 percent. The national rate of gross job losses was 5.7 percent in the 4th quarter of 2020. 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

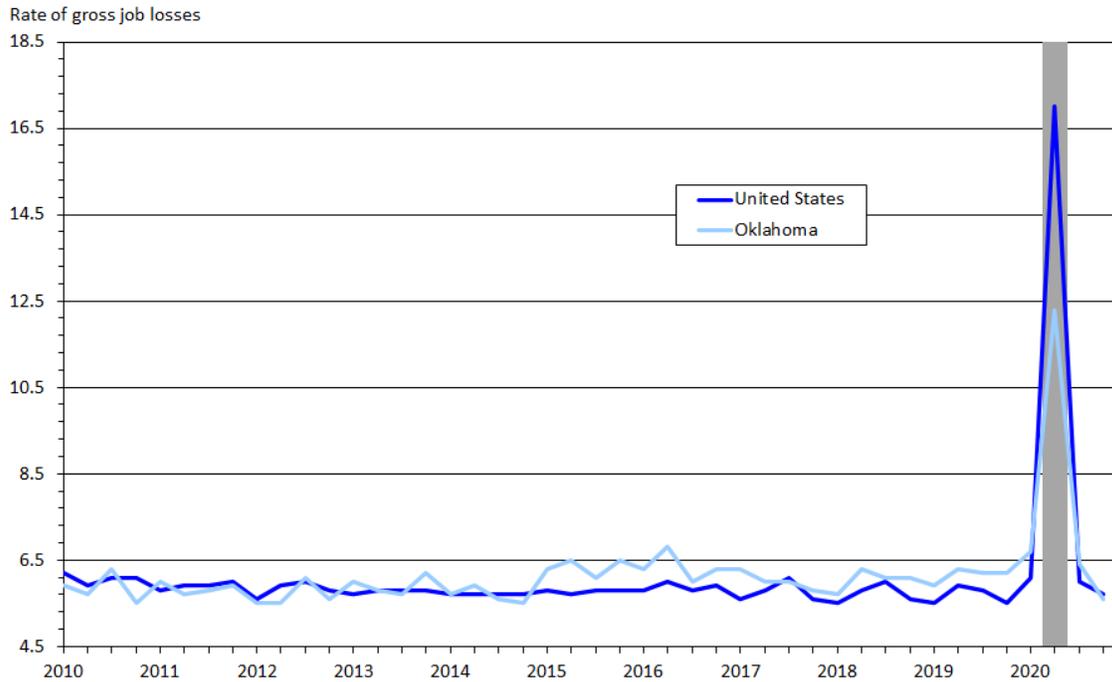
Private sector gross job gains as a percent of employment, United States and Oklahoma  
March 2010 - December 2020, seasonally adjusted



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

### Chart 5

Private sector gross job losses as a percent of employment, United States and Oklahoma  
March 2010 - December 2020, seasonally adjusted



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

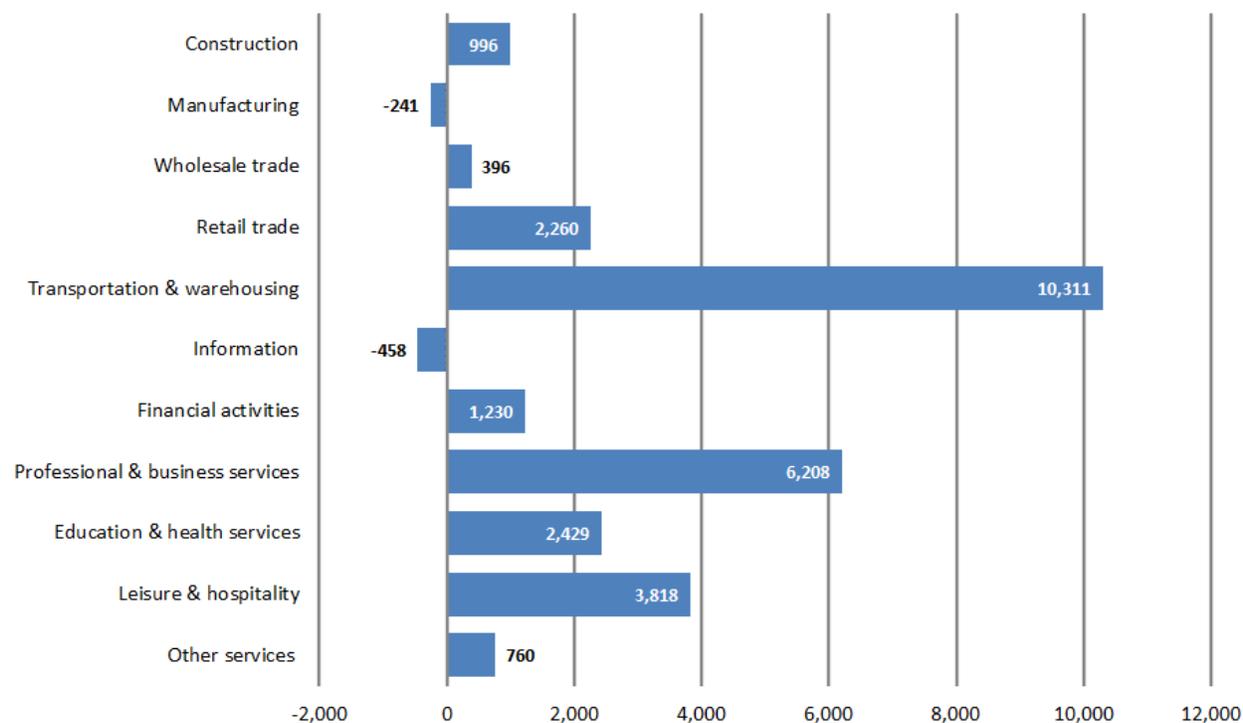
### Gross Job Gains and Gross Job Losses by Industry: 4th Quarter 2020

Gross job gains exceeded gross job losses in nine of Oklahoma’s 11 reported industries in the 4th quarter of 2020. The service-providing industries experienced a net job increase of 26,954 jobs in the 4th quarter of 2020. Within service-providing industries, the transportation & warehousing sector had the largest over-the-quarter net job increase, gaining 10,311 jobs. This was the result of 12,860 gross job gains and 2,549 gross job losses. The professional & business services sector followed with a net increase of 6,208 jobs in the 4th quarter of 2020. Additional service-providing sectors experiencing net job gains in the 4th quarter were leisure & hospitality (3,818 jobs); health & education services (2,429 jobs); retail trade (2,260 jobs); financial activities (1,230 jobs); and other services (760 jobs). The only service-providing sectors reporting net job losses in the 4th quarter of 2020 was information (-458 jobs).

Oklahoma’s goods-producing industries realized a net job increase of 755 jobs in the 4th quarter of 2020. Of the reported goods-producing industries, the construction sector experienced a net increase of 2,976 jobs, while manufacturing showed a net loss of 241 jobs, (see Chart 6 below and Table 5, pp. 12-15).

Chart 6

Private sector net change in jobs by industry, Oklahoma  
December 2020, seasonally adjusted



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

<b>Table 1. Oklahoma: Three-month private sector gross job gains and losses, seasonally adjusted</b>					
Category	3 months ended				
	Dec 2019	March 2020	June 2020	Sep 2020	Dec 2020
Levels					
Gross job gains.....	<b>83,429</b>	<b>69,577</b>	<b>70,388</b>	<b>81,961</b>	<b>96,217</b>
Expanding establishments	65,599	56,267	54,082	67,274	68,132
Opening establishments	17,830	13,310	16,306	14,687	28,085
Gross job losses.....	<b>80,887</b>	<b>85,430</b>	<b>153,017</b>	<b>77,487</b>	<b>68,507</b>
Contracting establishments	66,148	70,512	133,130	61,762	55,120
Closing establishments	14,739	14,918	19,887	15,725	13,387
Net employment change <sup>1</sup>	2,542	-15,853	-82,629	4,474	27,710
Rates (percent)					
Gross job gains.....	<b>6.5</b>	<b>5.4</b>	<b>5.6</b>	<b>6.8</b>	<b>7.8</b>
Expanding establishments	5.1	4.4	4.3	5.6	5.5
Opening establishments	1.4	1.0	1.3	1.2	2.3
Gross job losses.....	<b>6.2</b>	<b>6.7</b>	<b>12.3</b>	<b>6.4</b>	<b>5.6</b>
Contracting establishments	5.1	5.5	10.7	5.1	4.5
Closing establishments	1.1	1.2	1.6	1.3	1.1
Net employment change <sup>1</sup>	0.3	-1.3	-6.7	0.4	2.2
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**

			Gross job gains			Gross job losses		
Year	3 months ended	Net change <sup>1</sup>	Total	Expanding establishments	Opening establishments	Total	Contracting establishments	Closing establishments
2010	March	1,645	69,561	53,674	15,887	67,916	55,300	12,616
	June	8,940	74,630	60,214	14,416	65,690	53,109	12,581
	September	2,894	75,446	61,028	14,418	72,552	55,376	17,176
	December	14,391	77,881	61,164	16,717	63,490	52,124	11,366
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	-7,738	72,770	58,774	13,996	80,508	67,278	13,230
	June	-11,725	72,194	57,586	14,608	83,919	68,282	15,637
	September	3,809	78,947	62,245	16,702	75,138	62,343	12,795
	December	2,603	81,064	63,794	17,270	78,461	62,076	16,385
2017	March	1,065	79,624	63,389	16,235	78,559	60,345	18,214
	June	8,036	82,726	63,023	19,703	74,690	61,336	13,354
	September	8,620	83,500	65,758	17,742	74,880	60,194	14,686
	December	7,024	81,954	66,318	15,636	74,930	59,083	15,847
2018	March	6,613	79,018	62,370	16,648	72,405	58,719	13,686
	June	1,070	82,028	65,145	16,883	80,958	65,234	15,724
	September	7,573	86,057	68,804	17,253	78,484	63,363	15,121
	December	5,125	83,860	66,264	17,596	78,735	62,428	16,307
2019	March	677	76,446	61,847	14,599	75,769	62,117	13,652
	June	-3,505	77,538	61,826	15,712	81,043	65,772	15,271
	September	2,260	82,603	64,979	17,624	80,343	65,046	15,297
	December	2,542	83,429	65,599	17,830	80,887	66,148	14,739
2020	March	-15,853	69,577	56,267	13,310	85,430	70,512	14,918
	June	-82,629	70,388	54,082	16,306	153,017	133,130	19,887
	September	4,474	81,961	67,274	14,687	77,487	61,762	15,725
	December	27,710	96,217	68,132	28,085	68,507	55,120	13,387

<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
2010	March	0.2	6.1	4.7	1.4	5.9	4.8	1.1
	June	0.7	6.4	5.2	1.2	5.7	4.6	1.1
	September	0.2	6.5	5.3	1.2	6.3	4.8	1.5
	December	1.1	6.6	5.2	1.4	5.5	4.5	1.0
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	-0.5	5.8	4.7	1.1	6.3	5.3	1.0
	June	-1.0	5.8	4.6	1.2	6.8	5.5	1.3
	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	0.6	6.4	5.2	1.2	5.8	4.6	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	0.3	6.5	5.1	1.4	6.2	5.1	1.1
2020	March	-1.3	5.4	4.4	1.0	6.7	5.5	1.2
	June	-6.7	5.6	4.3	1.3	12.3	10.7	1.6
	September	0.4	6.8	5.6	1.2	6.4	5.1	1.3
	December	2.2	7.8	5.5	2.3	5.6	4.5	1.1

<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.

**Table 3. Oklahoma: Private sector establishment births and deaths, seasonally adjusted**

Year	3 months ended	Births <sup>1</sup>		Deaths <sup>2</sup>	
		Establishments	Employment	Establishments	Employment
2010	March	2,239	8,617	1,791	7,768
	June	2,209	9,472	1,935	7,676
	September	2,171	9,319	2,646	10,067
	December	2,365	9,850	1,884	7,020
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

<sup>1</sup> Values for births are not available for the first three quarters<sup>2</sup> Values for deaths 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>
2010	March	2.7	0.7	2.2	0.7
	June	2.7	0.8	2.4	0.7
	September	2.6	0.8	3.2	0.9
	December	2.9	0.8	2.3	0.6
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	2.7	0.8	3.0	0.9
2018	March	2.5	0.9	2.5	0.6
	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	2.9	1.0	2.8	0.8
2020	March	2.3	0.7	2.5	0.6
	June	2.7	0.8	N/A	N/A
	September	2.2	0.6	N/A	N/A
	December	3.6	1.7	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)				
	Dec. 2019	Mar. 2020	Jun. 2020	Sep. 2020	Dec. 2020	Dec. 2019	Mar. 2020	Jun. 2020	Sep. 2020	Dec. 2020
	Total private <sup>1</sup> .....									
Gross job gains .....	83,429	69,577	70,388	81,961	96,217	6.5	5.4	5.6	6.8	7.8
At expanding establishments ...	65,599	56,267	54,082	67,274	68,132	5.1	4.4	4.3	5.6	5.5
At opening establishments ...	17,830	13,310	16,306	14,687	28,085	1.4	1.0	1.3	1.2	2.3
Gross job losses .....	80,887	85,430	153,017	77,487	68,507	6.2	6.7	12.3	6.4	5.6
At contracting establishments ...	66,148	70,512	133,130	61,762	55,120	5.1	5.5	10.7	5.1	4.5
At closing establishments ...	14,739	14,918	19,887	15,725	13,387	1.1	1.2	1.6	1.3	1.1
Net employment change <sup>2</sup> .....	2,542	-15,853	-82,629	4,474	27,710	0.3	-1.3	-6.7	0.4	2.2
Construction .....										
Gross job gains .....	6,767	7,651	6,288	5,357	7,073	8.2	9.3	7.8	6.9	9.1
At expanding establishments ...	5,397	6,480	4,981	4,254	5,344	6.5	7.9	6.2	5.5	6.9
At opening establishments ...	1,370	1,171	1,307	1,103	1,729	1.7	1.4	1.6	1.4	2.2
Gross job losses .....	7,985	8,011	9,175	8,333	6,077	9.6	9.7	11.3	10.7	7.9
At contracting establishments ...	6,550	6,774	7,781	7,369	5,072	7.9	8.2	9.6	9.5	6.6
At closing establishments ...	1,435	1,237	1,394	964	1,005	1.7	1.5	1.7	1.2	1.3
Net employment change <sup>2</sup> .....	-1,218	-360	-2,887	-2,976	996	-1.4	-0.4	-3.5	-3.8	1.2
Manufacturing .....										
Gross job gains .....	4,856	4,840	2,694	5,334	5,272	3.5	3.4	2.0	4.1	4.1
At expanding establishments ...	4,278	4,524	2,249	4,907	4,391	3.1	3.2	1.7	3.8	3.4
At opening establishments ...	578	316	445	427	881	0.4	0.2	0.3	0.3	0.7
Gross job losses .....	5,681	5,704	13,440	5,868	5,513	4.1	4.1	10.1	4.6	4.3
At contracting establishments ...	5,161	4,933	12,552	5,243	4,981	3.7	3.5	9.4	4.1	3.9
At closing establishments ...	520	771	888	625	532	0.4	0.6	0.7	0.5	0.4
Net employment change <sup>2</sup> .....	-825	-864	-10,746	-534	-241	-0.6	-0.7	-8.1	-0.5	-0.2
Wholesale trade .....										
Gross job gains .....	2,886	2,559	2,691	2,643	2,936	4.9	4.4	4.9	4.9	5.4
At expanding establishments ...	2,223	1,911	1,819	2,152	2,016	3.8	3.3	3.3	4.0	3.7
At opening establishments ...	663	648	872	491	920	1.1	1.1	1.6	0.9	1.7

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)				
	Dec. 2019	Mar. 2020	Jun. 2020	Sep. 2020	Dec. 2020	Dec. 2019	Mar. 2020	Jun. 2020	Sep. 2020	Dec. 2020
Gross job losses .....	2,918	3,078	6,013	3,214	2,540	5.0	5.3	10.7	6.0	4.7
At contracting establishments ...	2,380	2,313	5,164	2,508	2,176	4.1	4.0	9.2	4.7	4.0
At closing establishments ...	538	765	849	706	364	0.9	1.3	1.5	1.3	0.7
Net employment change <sup>2</sup> .....	-32	-519	-3,322	-571	396	-0.1	-0.9	-5.8	-1.1	0.7
Retail trade .....										
Gross job gains .....	10,761	11,415	15,502	13,800	12,165	6.1	6.4	8.7	7.8	6.8
At expanding establishments ...	8,989	9,411	13,196	12,512	9,477	5.1	5.3	7.4	7.1	5.3
At opening establishments ...	1,772	2,004	2,306	1,288	2,688	1.0	1.1	1.3	0.7	1.5
Gross job losses .....	10,707	10,244	20,453	10,224	9,905	6.0	5.8	11.5	5.8	5.5
At contracting establishments ...	9,230	8,880	18,285	8,629	7,933	5.2	5.0	10.3	4.9	4.4
At closing establishments ...	1,477	1,364	2,168	1,595	1,972	0.8	0.8	1.2	0.9	1.1
Net employment change <sup>2</sup> .....	54	1,171	-4,951	3,576	2,260	0.1	0.6	-2.8	2.0	1.3
Transportation and warehousing .....										
Gross job gains .....	7,516	2,381	4,906	4,294	12,860	12.8	4.0	8.5	7.3	19.6
At expanding establishments ...	6,675	1,965	4,518	3,878	5,958	11.4	3.3	7.8	6.6	9.1
At opening establishments ...	841	416	388	416	6,902	1.4	0.7	0.7	0.7	10.5
Gross job losses .....	2,620	5,511	5,047	2,870	2,549	4.4	9.2	8.7	4.9	3.9
At contracting establishments ...	2,124	5,087	4,436	2,176	2,171	3.6	8.5	7.6	3.7	3.3
At closing establishments ...	496	424	611	694	378	0.8	0.7	1.1	1.2	0.6
Net employment change <sup>2</sup> .....	4,896	-3,130	-141	1,424	10,311	8.4	-5.2	-0.2	2.4	15.7
Information .....										
Gross job gains .....	935	838	923	1,011	760	4.8	4.2	4.9	5.6	4.3
At expanding establishments ...	758	694	429	740	513	3.9	3.5	2.3	4.1	2.9
At opening establishments ...	177	144	494	271	247	0.9	0.7	2.6	1.5	1.4
Gross job losses .....	915	868	2,308	1,180	1,218	4.7	4.4	12.4	6.6	6.9
At contracting establishments ...	745	756	1,887	914	938	3.8	3.8	10.1	5.1	5.3
At closing establishments ...	170	112	421	266	280	0.9	0.6	2.3	1.5	1.6
Net employment change <sup>2</sup> .....	20	-30	-1,385	-169	-458	0.1	-0.2	-7.5	-1.0	-2.6

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)				
	Dec.	Mar.	Jun.	Sep.	Dec.	Dec.	Mar.	Jun.	Sep.	Dec.
	2019	2020	2020	2020	2020	2019	2020	2020	2020	2020
Financial activities .....										
Gross job gains .....	3,852	3,135	3,302	3,274	4,841	5.0	4.1	4.4	4.5	6.5
At expanding establishments ...	2,810	2,494	2,276	2,503	3,052	3.6	3.3	3.0	3.4	4.1
At opening establishments ...	1,042	641	1,026	771	1,789	1.4	0.8	1.4	1.1	2.4
Gross job losses .....	4,138	3,839	6,144	3,894	3,611	5.4	5.0	8.2	5.4	4.8
At contracting establishments ...	3,199	2,815	5,125	2,752	2,466	4.2	3.7	6.8	3.8	3.3
At closing establishments ...	939	1,024	1,019	1,142	1,145	1.2	1.3	1.4	1.6	1.5
Net employment change <sup>2</sup> .....	-286	-704	-2,842	-620	1,230	-0.4	-0.9	-3.8	-0.9	1.7
Professional and business services .....										
Gross job gains .....	15,418	11,873	10,498	15,841	17,353	7.9	6.1	5.6	8.7	9.4
At expanding establishments ...	10,880	9,364	7,556	12,355	13,055	5.6	4.8	4.0	6.8	7.1
At opening establishments ...	4,538	2,509	2,942	3,486	4,298	2.3	1.3	1.6	1.9	2.3
Gross job losses .....	14,144	14,361	26,016	13,950	11,145	7.3	7.4	13.9	7.8	6.0
At contracting establishments ...	10,523	11,486	22,256	10,044	8,522	5.4	5.9	11.9	5.6	4.6
At closing establishments ...	3,621	2,875	3,760	3,906	2,623	1.9	1.5	2.0	2.2	1.4
Net employment change <sup>2</sup> .....	1,274	-2,488	-15,518	1,891	6,208	0.6	-1.3	-8.3	0.9	3.4
Education and health services .....										
Gross job gains .....	10,621	8,759	7,787	10,948	11,843	5.0	4.1	3.7	5.3	5.7
At expanding establishments ...	8,077	7,292	5,504	8,735	8,773	3.8	3.4	2.6	4.2	4.2
At opening establishments ...	2,544	1,467	2,283	2,213	3,070	1.2	0.7	1.1	1.1	1.5
Gross job losses .....	8,783	9,841	15,989	9,416	9,414	4.1	4.5	7.6	4.5	4.5
At contracting establishments ...	6,780	7,600	13,754	7,658	7,300	3.2	3.5	6.5	3.7	3.5
At closing establishments ...	2,003	2,241	2,235	1,758	2,114	0.9	1.0	1.1	0.8	1.0
Net employment change <sup>2</sup> .....	1,838	-1,082	-8,202	1,532	2,429	0.9	-0.4	-3.9	0.8	1.2
Leisure and hospitality										
Gross job gains .....	14,460	10,819	11,739	14,666	15,068	8.2	6.2	7.3	9.5	9.5
At expanding establishments ...	11,485	8,079	8,829	11,611	11,369	6.5	4.6	5.5	7.5	7.2
At opening establishments ...	2,975	2,740	2,910	3,055	3,699	1.7	1.6	1.8	2.0	2.3

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)				
	Dec. 2019	Mar. 2020	Jun. 2020	Sep. 2020	Dec. 2020	Dec. 2019	Mar. 2020	Jun. 2020	Sep. 2020	Dec. 2020
Gross job losses .....	13,174	16,519	33,279	11,477	11,250	7.5	9.4	20.6	7.4	7.1
At contracting establishments ...	10,903	13,836	28,788	9,111	9,469	6.2	7.9	17.8	5.9	6.0
At closing establishments ...	2,271	2,683	4,491	2,366	1,781	1.3	1.5	2.8	1.5	1.1
Net employment change <sup>2</sup> .....	1,286	-5,700	-21,540	3,189	3,818	0.7	-3.2	-13.3	2.1	2.4
Other services <sup>3</sup> .....										
Gross job gains .....	2,804	2,463	1,988	2,428	3,025	7.8	6.9	5.9	7.5	9.1
At expanding establishments ...	2,231	1,923	1,341	1,913	2,183	6.2	5.4	4.0	5.9	6.6
At opening establishments ...	573	540	647	515	842	1.6	1.5	1.9	1.6	2.5
Gross job losses .....	2,485	2,847	5,168	2,373	2,265	7.0	8.0	15.2	7.3	6.9
At contracting establishments ...	1,892	2,195	4,379	1,746	1,814	5.3	6.2	12.9	5.4	5.5
At closing establishments ...	593	652	789	627	451	1.7	1.8	2.3	1.9	1.4
Net employment change <sup>2</sup> .....	319	-384	-3,180	55	760	0.8	-1.1	-9.3	0.2	2.2

## 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. See the Technical Note for further information.  
(3) Except public administration.

*This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. This product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.*