

2021

**Oklahoma Business Employment Dynamics
4th Quarter**



**Oklahoma Employment Security Commission
Economic Research and Analysis Division**

OKLAHOMA BUSINESS EMPLOYMENT DYNAMICS

4th Quarter 2021

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

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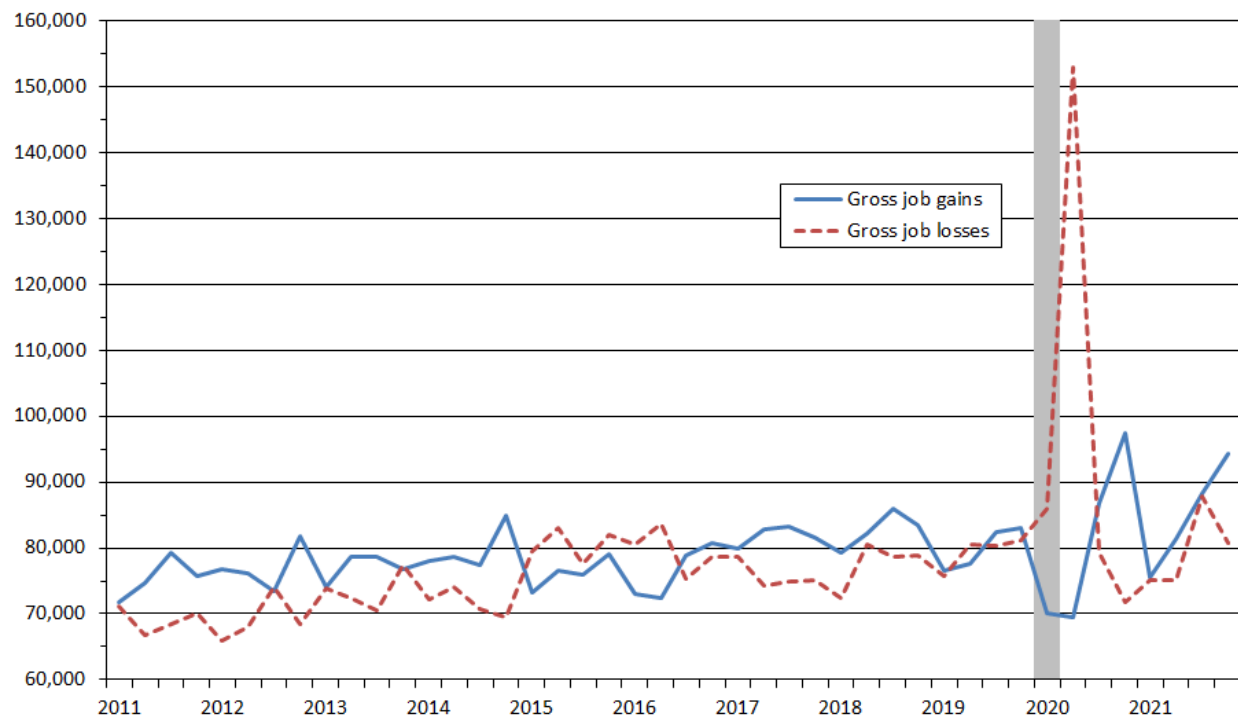
OKLAHOMA BUSINESS EMPLOYMENT DYNAMICS: 4th Quarter 2021

Gross Job Gains and Gross Job Losses: 4th Quarter 2021

From September 2021 to December 2021, gross job gains from opening and expanding private-sector establishments in Oklahoma totaled 94,365, an increase of 6,054 jobs from the previous quarter. Over this period, gross job losses from closing and contracting private-sector establishments numbered 80,657, a decrease of 7,258 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 13,708 jobs in Oklahoma’s private sector during the 4th quarter of 2021.

Chart 1

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

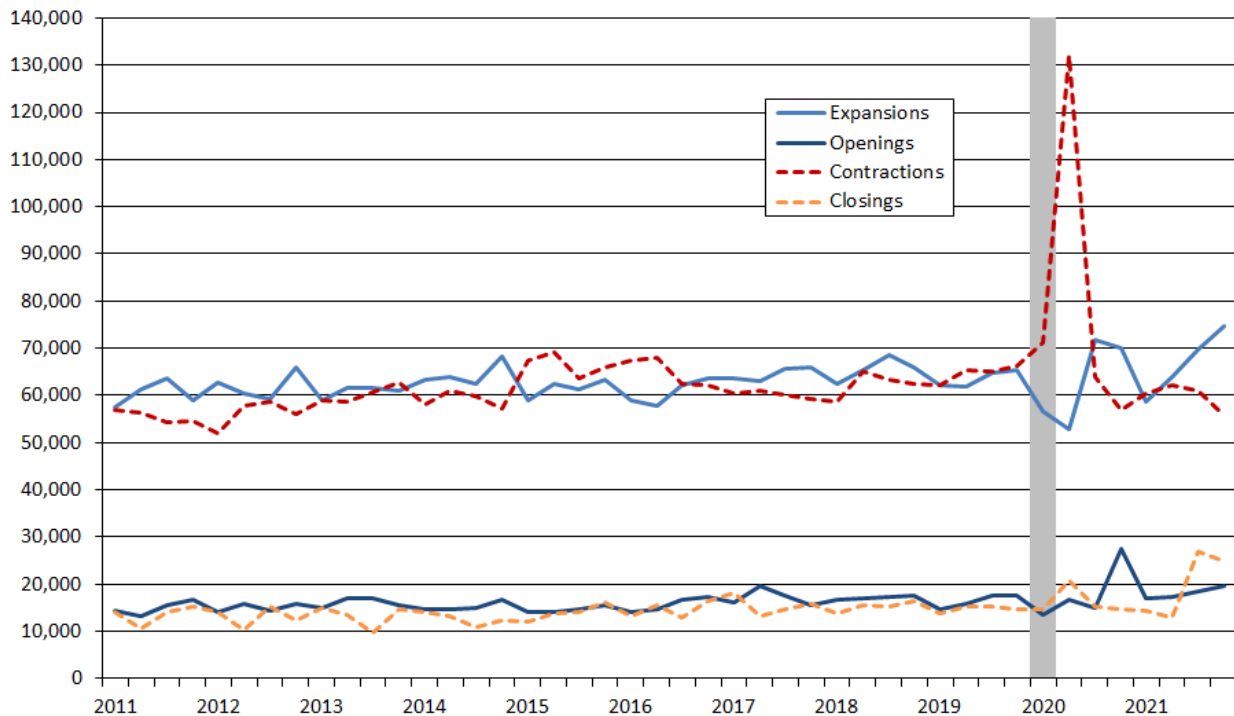


Source: U.S. Bureau of Labor Statistics
Note: Shaded area represents NBER defined recession period.

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).

Chart 2

Components of private sector gross job gains and losses in Oklahoma
March 2011 - December 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 74,778 in the 4th quarter of 2021, an increase of 4,924 jobs compared to the previous quarter. Opening establishments accounted for 19,587 of the jobs gained in the 4th quarter of 2021, an increase of 1,130 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 55,724 jobs in the 4th quarter of 2021, a decrease of 5,303 jobs from the prior quarter. In the 4th quarter, closing establishments lost 24,933 jobs, a decrease of 1,955 jobs from the previous quarter.

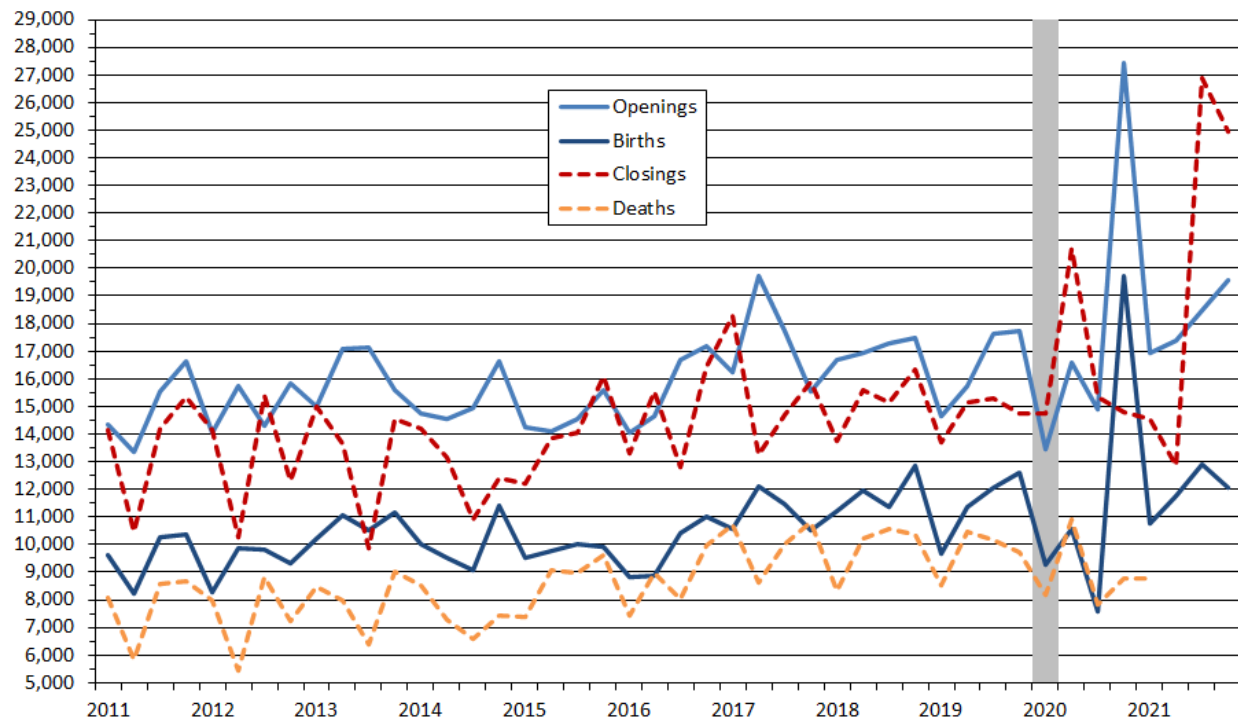
Establishment Births and Deaths

In Oklahoma, the number of private sector establishment births, (a subset of the openings data), decreased by 97, for a total of 3,407 establishments in the 4th quarter of 2021. These new establishments accounted for 12,044 jobs, a decrease of 858 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 2021, when 8,779 jobs were lost at 2,525 establishments, a decrease of 17 jobs from the 4th quarter of 2020, (see Chart 3, below).

Chart 3

Employment from private sector openings, closings, births and deaths in Oklahoma
March 2011 - December 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 4th quarter of 2021, gross job gains represented 7.4 percent of private-sector employment in Oklahoma with expansions accounting for 5.9 percent of total private sector employment and openings contributing 1.5 percent. Nationally, gross job gains accounted for 7.7 percent of private sector employment in the 4th 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 eight out of the past 12 quarters, (see Chart 4, page 4).

In the 4th quarter of 2021, gross job losses represented 6.4 percent of private-sector employment in Oklahoma, with contractions accounting for 4.4 percent and closings adding another 2.0 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 - December 2021, seasonally adjusted

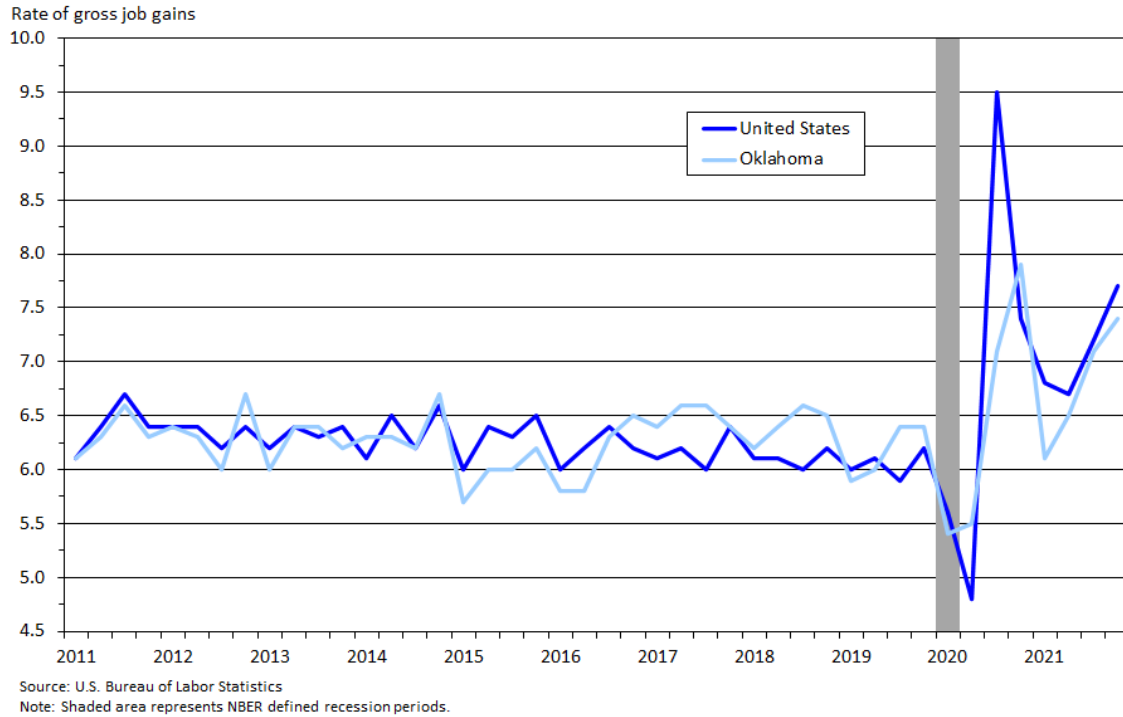
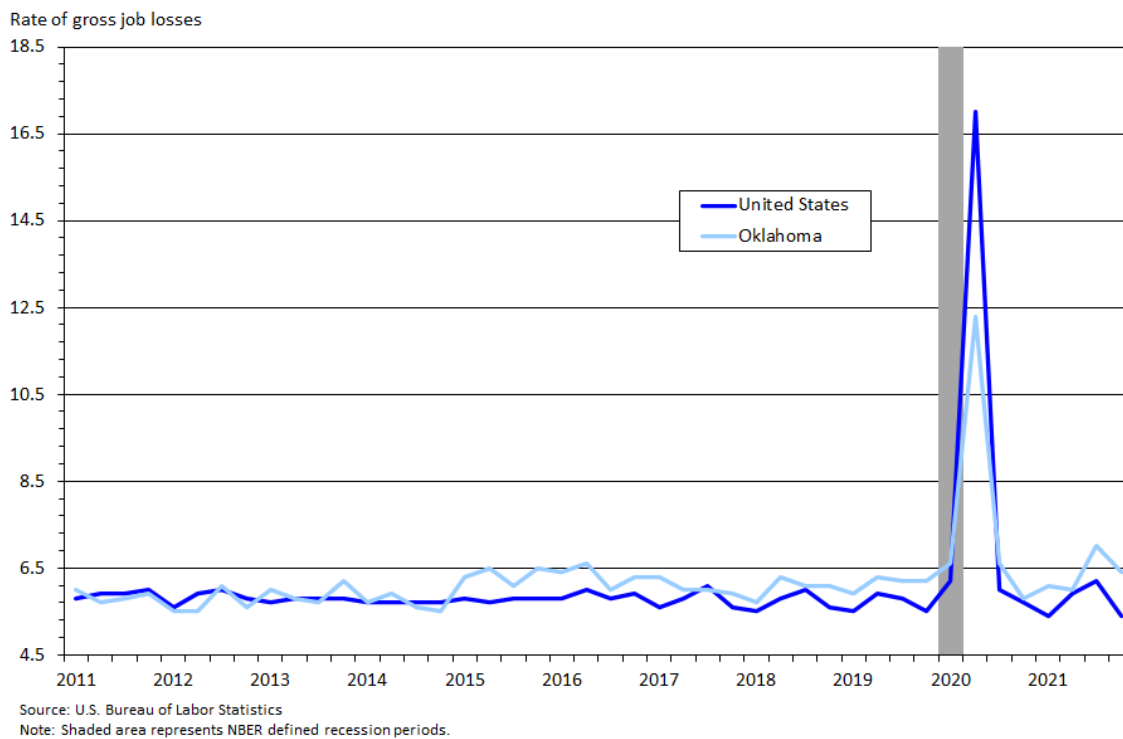


Chart 5

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



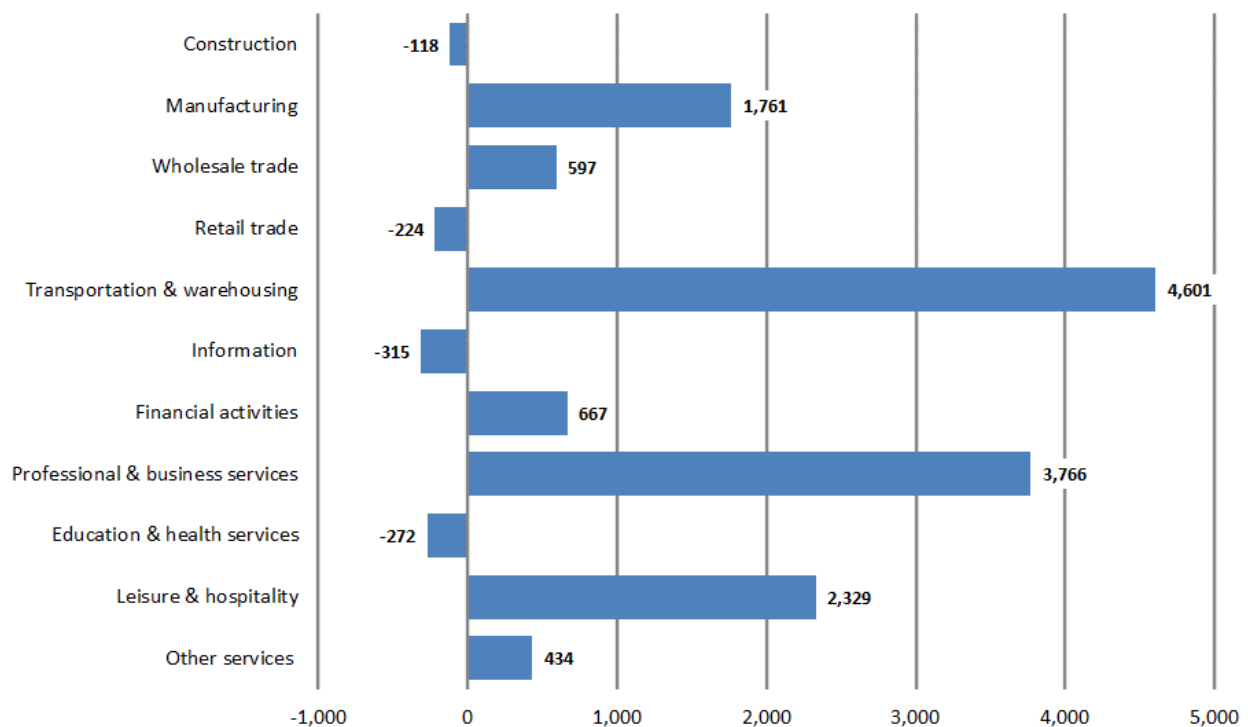
Gross Job Gains and Gross Job Losses by Industry: 4th Quarter 2021

Gross job gains exceeded gross job losses in seven of Oklahoma’s 11 reported industries in the 4th quarter of 2021. Oklahoma’s service-providing industries experienced a net job increase of 11,583 jobs in the 4th quarter. This was the result of 76,665 gross job gains and 65,082 gross job losses. Within service-providing industries, the transportation and warehousing sector had the largest over-the-quarter net job increase, gaining 4,601 jobs, followed by the professional and business services sector with a net increase of 3,766 jobs in the 4th quarter. The education and health services sector reported the largest over-the-quarter net job loss of 315 jobs in the 4th quarter of 2021.

Goods-producing industries reported a net job increase of 1,643 jobs in the 4th quarter of 2021. Within goods-producing industries, the manufacturing sector reported a net job gain of 1,761 jobs. The construction sector had a net job decrease of 118 jobs in the 4th quarter of 2021, (see Chart 6 below and Table 5, pp. 12-15).

Chart 6

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



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

| Table 1. Oklahoma: Three-month private sector gross job gains and losses, seasonally adjusted | | | | | |
|--|-----------------|---------------|---------------|---------------|---------------|
| Category | 3 months ended | | | | |
| | Dec 2020 | March 2020 | June 2021 | Sep 2021 | Dec 2021 |
| | Levels | | | | |
| Gross job gains..... | 97,432 | 75,490 | 81,271 | 88,311 | 94,365 |
| Expanding establishments | 69,986 | 58,549 | 63,882 | 69,854 | 74,778 |
| Opening establishments | 27,446 | 16,941 | 17,389 | 18,457 | 19,587 |
| Gross job losses..... | 71,686 | 75,024 | 75,108 | 87,915 | 80,657 |
| Contracting establishments | 56,908 | 60,492 | 62,270 | 61,027 | 55,724 |
| Closing establishments | 14,778 | 14,532 | 12,838 | 26,888 | 24,933 |
| Net employment change ¹ | 25,746 | 466 | 6,163 | 396 | 13,708 |
| | Rates (percent) | | | | |
| Gross job gains..... | 7.9 | 6.1 | 6.5 | 7.1 | 7.4 |
| Expanding establishments | 5.7 | 4.7 | 5.1 | 5.6 | 5.9 |
| Opening establishments | 2.2 | 1.4 | 1.4 | 1.5 | 1.5 |
| Gross job losses..... | 5.8 | 6.1 | 6.0 | 7.0 | 6.4 |
| Contracting establishments | 4.6 | 4.9 | 5.0 | 4.9 | 4.4 |
| Closing establishments | 1.2 | 1.2 | 1.0 | 2.1 | 2.0 |
| Net employment change ¹ | 2.1 | 0.0 | 0.5 | 0.1 | 1.0 |
| Source: U.S Bureau of Labor Statistics | | | | | |
| ¹ 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.

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 ¹ | 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 |
| | December | 13,708 | 94,365 | 74,778 | 19,587 | 80,657 | 55,724 | 24,933 |

¹Net 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 ² | 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 |
| | December | 1.0 | 7.4 | 5.9 | 1.5 | 6.4 | 4.4 | 2.0 |

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

²Net 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 | Births¹ | | Deaths² | |
| | | Establishments | Employment | Establishments | Employment |
| 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 | 2,525 | 8,779 |
| | June | 3,301 | 11,753 | N/A | N/A |
| | September | 3,504 | 12,902 | N/A | N/A |
| | December | 3,407 | 12,044 | N/A | N/A |

¹ Values for births are not available for the first three quarters

² Values for deaths are not available for the most recent three quarters by definition.

Table 4. Oklahoma: Rates¹ of private sector establishment births and deaths, seasonally adjusted

| | | Births ² | | Deaths ³ | |
|------|----------------|---------------------|------------|---------------------|------------|
| Year | 3 months ended | Establishments | Employment | Establishments | Employment |
| 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 | 2.8 | 0.7 |
| | June | 3.6 | 0.9 | N/A | N/A |
| | September | 3.9 | 1.0 | N/A | N/A |
| | December | 3.7 | 1.0 | N/A | N/A |

¹The 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.

³Values 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. | Mar. | Jun. | Sep. | Dec. | Dec. | Mar. | Jun. | Sep. | Dec. |
| | 2020 | 2021 | 2021 | 2021 | 2021 | 2020 | 2021 | 2021 | 2021 | 2021 |
| Total private ¹ | | | | | | | | | | |
| Gross job gains | 97,432 | 75,490 | 81,271 | 88,311 | 94,365 | 7.9 | 6.1 | 6.5 | 7.1 | 7.4 |
| At expanding establishments ... | 69,986 | 58,549 | 63,882 | 69,854 | 74,778 | 5.7 | 4.7 | 5.1 | 5.6 | 5.9 |
| At opening establishments ... | 27,446 | 16,941 | 17,389 | 18,457 | 19,587 | 2.2 | 1.4 | 1.4 | 1.5 | 1.5 |
| Gross job losses | 71,686 | 75,024 | 75,108 | 87,915 | 80,657 | 5.8 | 6.1 | 6.0 | 7.0 | 6.4 |
| At contracting establishments ... | 56,908 | 60,492 | 62,270 | 61,027 | 55,724 | 4.6 | 4.9 | 5.0 | 4.9 | 4.4 |
| At closing establishments ... | 14,778 | 14,532 | 12,838 | 26,888 | 24,933 | 1.2 | 1.2 | 1.0 | 2.1 | 2.0 |
| Net employment change ² | 25,746 | 466 | 6,163 | 396 | 13,708 | 2.1 | 0.0 | 0.5 | 0.1 | 1.0 |
| Construction | | | | | | | | | | |
| Gross job gains | 7,328 | 6,822 | 6,909 | 6,488 | 7,353 | 9.5 | 8.6 | 8.7 | 8.4 | 9.4 |
| At expanding establishments ... | 5,539 | 5,389 | 5,472 | 5,194 | 5,620 | 7.2 | 6.8 | 6.9 | 6.7 | 7.2 |
| At opening establishments ... | 1,789 | 1,433 | 1,437 | 1,294 | 1,733 | 2.3 | 1.8 | 1.8 | 1.7 | 2.2 |
| Gross job losses | 6,348 | 6,152 | 6,727 | 9,021 | 7,471 | 8.3 | 7.8 | 8.5 | 11.6 | 9.5 |
| At contracting establishments ... | 5,222 | 4,746 | 5,434 | 5,607 | 4,860 | 6.8 | 6.0 | 6.9 | 7.2 | 6.2 |
| At closing establishments ... | 1,126 | 1,406 | 1,293 | 3,414 | 2,611 | 1.5 | 1.8 | 1.6 | 4.4 | 3.3 |
| Net employment change ² | 980 | 670 | 182 | -2,533 | -118 | 1.2 | 0.8 | 0.2 | -3.2 | -0.1 |
| Manufacturing | | | | | | | | | | |
| Gross job gains | 5,300 | 4,574 | 4,482 | 5,224 | 6,516 | 4.1 | 3.6 | 3.5 | 4.1 | 5.1 |
| At expanding establishments ... | 4,413 | 4,210 | 3,959 | 4,722 | 5,270 | 3.4 | 3.3 | 3.1 | 3.7 | 4.1 |
| At opening establishments ... | 887 | 364 | 523 | 502 | 1,246 | 0.7 | 0.3 | 0.4 | 0.4 | 1.0 |
| Gross job losses | 5,852 | 3,476 | 4,408 | 5,520 | 4,755 | 4.6 | 2.7 | 3.4 | 4.3 | 3.7 |
| At contracting establishments ... | 5,120 | 2,829 | 4,068 | 4,250 | 3,588 | 4.0 | 2.2 | 3.1 | 3.3 | 2.8 |
| At closing establishments ... | 732 | 647 | 340 | 1,270 | 1,167 | 0.6 | 0.5 | 0.3 | 1.0 | 0.9 |
| Net employment change ² | -552 | 1,098 | 74 | -296 | 1,761 | -0.5 | 0.9 | 0.1 | -0.2 | 1.4 |
| Wholesale trade | | | | | | | | | | |
| Gross job gains | 3,286 | 2,836 | 2,860 | 3,174 | 3,502 | 6.0 | 5.2 | 5.3 | 5.9 | 6.4 |
| At expanding establishments ... | 2,289 | 2,396 | 2,297 | 2,321 | 2,667 | 4.2 | 4.4 | 4.3 | 4.3 | 4.9 |
| At opening establishments ... | 997 | 440 | 563 | 853 | 835 | 1.8 | 0.8 | 1.0 | 1.6 | 1.5 |
| Gross job losses | 2,707 | 2,704 | 2,570 | 3,229 | 2,905 | 5.1 | 5.0 | 4.8 | 6.0 | 5.3 |
| At contracting establishments ... | 2,248 | 2,208 | 2,094 | 2,008 | 1,973 | 4.2 | 4.1 | 3.9 | 3.7 | 3.6 |
| At closing establishments ... | 459 | 496 | 476 | 1,221 | 932 | 0.9 | 0.9 | 0.9 | 2.3 | 1.7 |
| Net employment change ² | 579 | 132 | 290 | -55 | 597 | 0.9 | 0.2 | 0.5 | -0.1 | 1.1 |

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) | | | | |
|--|---|--------|--------|--------|--------|--|------|------|------|------|
| | Dec. | Mar. | Jun. | Sep. | Dec. | Dec. | Mar. | Jun. | Sep. | Dec. |
| | 2020 | 2021 | 2021 | 2021 | 2021 | 2020 | 2021 | 2021 | 2021 | 2021 |
| Retail trade | | | | | | | | | | |
| Gross job gains | 12,363 | 11,003 | 11,935 | 13,391 | 11,413 | 6.9 | 6.1 | 6.5 | 7.3 | 6.2 |
| At expanding establishments ... | 9,706 | 8,448 | 9,521 | 11,588 | 9,591 | 5.4 | 4.7 | 5.2 | 6.3 | 5.2 |
| At opening establishments ... | 2,657 | 2,555 | 2,414 | 1,803 | 1,822 | 1.5 | 1.4 | 1.3 | 1.0 | 1.0 |
| Gross job losses | 10,278 | 11,563 | 11,322 | 12,463 | 11,637 | 5.8 | 6.4 | 6.2 | 6.8 | 6.3 |
| At contracting establishments ... | 8,199 | 9,738 | 9,883 | 9,129 | 9,443 | 4.6 | 5.4 | 5.4 | 5.0 | 5.1 |
| At closing establishments ... | 2,079 | 1,825 | 1,439 | 3,334 | 2,194 | 1.2 | 1.0 | 0.8 | 1.8 | 1.2 |
| Net employment change ² | 2,085 | -560 | 613 | 928 | -224 | 1.1 | -0.3 | 0.3 | 0.5 | -0.1 |
| Transportation and warehousing | | | | | | | | | | |
| Gross job gains | 12,923 | 2,359 | 2,584 | 3,679 | 7,374 | 19.8 | 3.5 | 4.0 | 5.7 | 11.0 |
| At expanding establishments ... | 5,997 | 1,795 | 2,092 | 3,306 | 6,379 | 9.2 | 2.7 | 3.2 | 5.1 | 9.5 |
| At opening establishments ... | 6,926 | 564 | 492 | 373 | 995 | 10.6 | 0.8 | 0.8 | 0.6 | 1.5 |
| Gross job losses | 2,866 | 5,915 | 4,576 | 2,886 | 2,773 | 4.3 | 8.8 | 7.0 | 4.5 | 4.1 |
| At contracting establishments ... | 2,252 | 5,449 | 4,170 | 2,143 | 1,914 | 3.4 | 8.1 | 6.4 | 3.3 | 2.8 |
| At closing establishments ... | 614 | 466 | 406 | 743 | 859 | 0.9 | 0.7 | 0.6 | 1.2 | 1.3 |
| Net employment change ² | 10,057 | -3,556 | -1,992 | 793 | 4,601 | 15.5 | -5.3 | -3.0 | 1.2 | 6.9 |
| Information | | | | | | | | | | |
| Gross job gains | 770 | 793 | 1,430 | 1,069 | 1,035 | 4.4 | 4.5 | 8.0 | 6.0 | 5.8 |
| At expanding establishments ... | 519 | 612 | 908 | 830 | 768 | 3.0 | 3.5 | 5.1 | 4.7 | 4.3 |
| At opening establishments ... | 251 | 181 | 522 | 239 | 267 | 1.4 | 1.0 | 2.9 | 1.3 | 1.5 |
| Gross job losses | 1,195 | 694 | 1,017 | 1,299 | 1,350 | 6.8 | 3.9 | 5.8 | 7.3 | 7.6 |
| At contracting establishments ... | 935 | 581 | 720 | 957 | 926 | 5.3 | 3.3 | 4.1 | 5.4 | 5.2 |
| At closing establishments ... | 260 | 113 | 297 | 342 | 424 | 1.5 | 0.6 | 1.7 | 1.9 | 2.4 |
| Net employment change ² | -425 | 99 | 413 | -230 | -315 | -2.4 | 0.6 | 2.2 | -1.3 | -1.8 |
| Financial activities | | | | | | | | | | |
| Gross job gains | 4,397 | 3,870 | 4,193 | 4,885 | 4,901 | 6.0 | 5.1 | 5.6 | 6.5 | 6.4 |
| At expanding establishments ... | 3,160 | 2,804 | 3,043 | 3,386 | 3,576 | 4.3 | 3.7 | 4.1 | 4.5 | 4.7 |
| At opening establishments ... | 1,237 | 1,066 | 1,150 | 1,499 | 1,325 | 1.7 | 1.4 | 1.5 | 2.0 | 1.7 |
| Gross job losses | 3,770 | 3,774 | 3,827 | 4,233 | 4,234 | 5.0 | 5.1 | 5.1 | 5.7 | 5.5 |
| At contracting establishments ... | 2,549 | 2,836 | 2,608 | 2,523 | 2,596 | 3.4 | 3.8 | 3.5 | 3.4 | 3.4 |
| At closing establishments ... | 1,221 | 938 | 1,219 | 1,710 | 1,638 | 1.6 | 1.3 | 1.6 | 2.3 | 2.1 |
| Net employment change ² | 627 | 96 | 366 | 652 | 667 | 1.0 | 0.0 | 0.5 | 0.8 | 0.9 |

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. |
| | 2020 | 2021 | 2021 | 2021 | 2021 | 2020 | 2021 | 2021 | 2021 | 2021 |
| Professional and business services | | | | | | | | | | |
| Gross job gains | 17,725 | 14,271 | 15,538 | 16,978 | 18,681 | 9.6 | 7.7 | 8.2 | 8.9 | 9.5 |
| At expanding establishments ... | 13,498 | 10,614 | 11,956 | 12,915 | 14,297 | 7.3 | 5.7 | 6.3 | 6.8 | 7.3 |
| At opening establishments ... | 4,227 | 3,657 | 3,582 | 4,063 | 4,384 | 2.3 | 2.0 | 1.9 | 2.1 | 2.2 |
| Gross job losses | 12,020 | 12,013 | 13,883 | 16,232 | 14,915 | 6.5 | 6.4 | 7.4 | 8.5 | 7.7 |
| At contracting establishments ... | 8,806 | 8,866 | 11,134 | 11,012 | 9,359 | 4.8 | 4.7 | 5.9 | 5.8 | 4.8 |
| At closing establishments ... | 3,214 | 3,147 | 2,749 | 5,220 | 5,556 | 1.7 | 1.7 | 1.5 | 2.7 | 2.9 |
| Net employment change ² | 6,208 | 2,258 | 1,655 | 746 | 3,766 | 3.1 | 1.3 | 0.8 | 0.4 | 1.8 |
| Education and health services | | | | | | | | | | |
| Gross job gains | 12,059 | 9,725 | 9,423 | 11,498 | 10,856 | 5.8 | 4.7 | 4.4 | 5.4 | 5.1 |
| At expanding establishments ... | 8,936 | 7,721 | 7,303 | 8,093 | 8,108 | 4.3 | 3.7 | 3.4 | 3.8 | 3.8 |
| At opening establishments ... | 3,123 | 2,004 | 2,120 | 3,405 | 2,748 | 1.5 | 1.0 | 1.0 | 1.6 | 1.3 |
| Gross job losses | 9,477 | 11,163 | 10,019 | 12,008 | 11,128 | 4.5 | 5.3 | 4.7 | 5.7 | 5.2 |
| At contracting establishments ... | 7,624 | 9,100 | 8,469 | 8,579 | 7,249 | 3.6 | 4.3 | 4.0 | 4.1 | 3.4 |
| At closing establishments ... | 1,853 | 2,063 | 1,550 | 3,429 | 3,879 | 0.9 | 1.0 | 0.7 | 1.6 | 1.8 |
| Net employment change ² | 2,582 | -1,438 | -596 | -510 | -272 | 1.3 | -0.6 | -0.3 | -0.3 | -0.1 |
| Leisure and hospitality | | | | | | | | | | |
| Gross job gains | 15,111 | 13,336 | 16,239 | 15,014 | 15,673 | 9.6 | 8.3 | 9.9 | 8.9 | 9.2 |
| At expanding establishments ... | 11,651 | 10,377 | 13,052 | 12,284 | 12,874 | 7.4 | 6.5 | 8.0 | 7.3 | 7.6 |
| At opening establishments ... | 3,460 | 2,959 | 3,187 | 2,730 | 2,799 | 2.2 | 1.8 | 1.9 | 1.6 | 1.6 |
| Gross job losses | 11,618 | 12,056 | 11,289 | 13,923 | 13,344 | 7.3 | 7.5 | 6.8 | 8.3 | 7.8 |
| At contracting establishments ... | 9,687 | 9,704 | 9,429 | 11,033 | 9,703 | 6.1 | 6.0 | 5.7 | 6.6 | 5.7 |
| At closing establishments ... | 1,931 | 2,352 | 1,860 | 2,890 | 3,641 | 1.2 | 1.5 | 1.1 | 1.7 | 2.1 |
| Net employment change ² | 3,493 | 1,280 | 4,950 | 1,091 | 2,329 | 2.3 | 0.8 | 3.1 | 0.6 | 1.4 |
| Other services ³ | | | | | | | | | | |
| Gross job gains | 3,108 | 2,611 | 2,734 | 3,003 | 3,230 | 9.4 | 7.7 | 8.1 | 8.8 | 9.3 |
| At expanding establishments ... | 2,234 | 1,924 | 2,189 | 2,345 | 2,494 | 6.8 | 5.7 | 6.5 | 6.9 | 7.2 |
| At opening establishments ... | 874 | 687 | 545 | 658 | 736 | 2.6 | 2.0 | 1.6 | 1.9 | 2.1 |
| Gross job losses | 2,359 | 2,443 | 2,446 | 3,202 | 2,796 | 7.1 | 7.3 | 7.3 | 9.5 | 8.0 |
| At contracting establishments ... | 1,893 | 1,929 | 1,817 | 1,789 | 1,779 | 5.7 | 5.8 | 5.4 | 5.3 | 5.1 |
| At closing establishments ... | 466 | 514 | 629 | 1,413 | 1,017 | 1.4 | 1.5 | 1.9 | 4.2 | 2.9 |
| Net employment change ² | 749 | 168 | 288 | -199 | 434 | 2.3 | 0.4 | 0.8 | -0.7 | 1.3 |

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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