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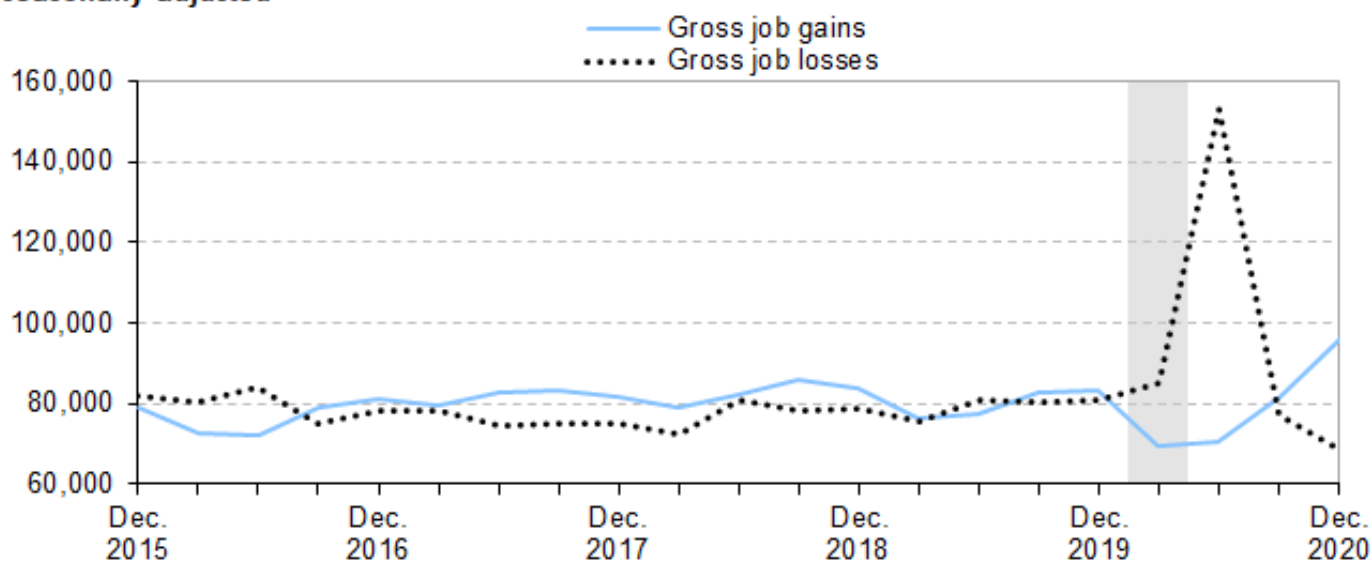
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Business Employment Dynamics in Oklahoma – Fourth Quarter 2020

From September 2020 to December 2020, **gross job gains** from opening and expanding private-sector establishments in Oklahoma were 96,217, while **gross job losses** from closing and contracting private-sector establishments were 68,507, the U.S. Bureau of Labor Statistics reported today. Regional Commissioner Michael Hirniak noted that 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 the private sector during the fourth quarter of 2020. During the previous quarter, gross job gains exceeded gross job losses by 4,474. (See [chart 1.](#))

Chart 1. Private-sector gross job gains and losses in Oklahoma, December 2015–December 2020, seasonally adjusted



Source: U.S. Bureau of Labor Statistics.

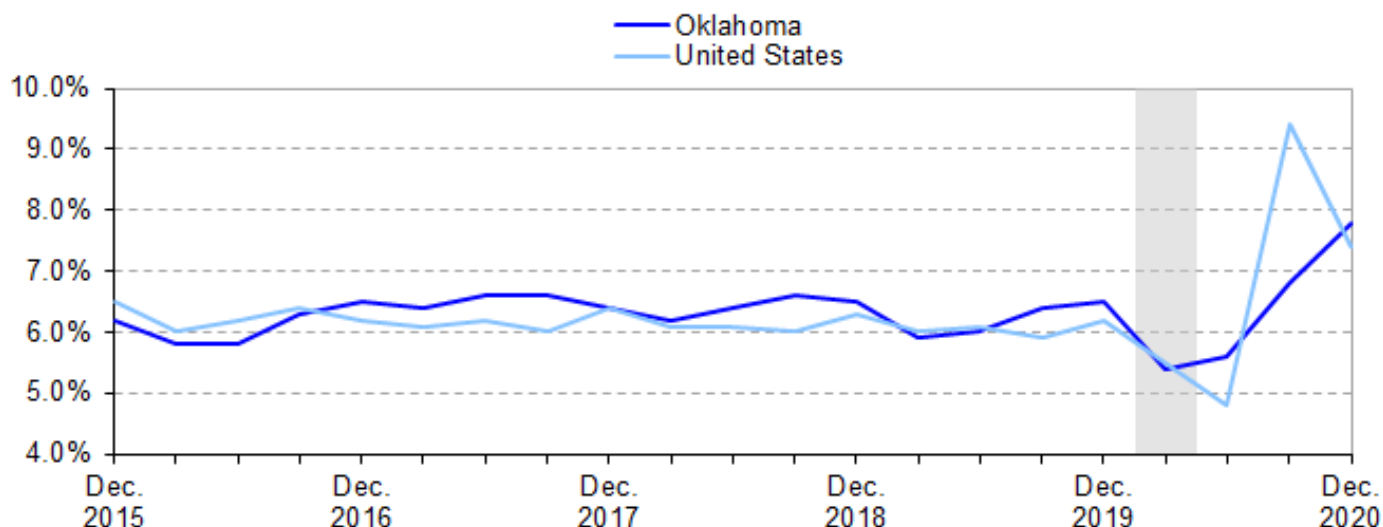
Note: Shaded area represents National Bureau of Economic Research (NBER) defined recession period.

The change in the number of jobs over time is the net result of increases and decreases in employment that occur at all private businesses in the economy. Business Employment Dynamics (BED) statistics track these changes in employment at private-sector establishments from the third month of one quarter to the third month of the next. The difference between the number of gross job gains and the number of gross job losses is the net change in employment. (See [Technical Note.](#))

Gross job gains

In the fourth quarter of 2020, gross job gains represented 7.8 percent of private-sector employment in Oklahoma; nationally, gross job gains accounted for 7.4 percent of private-sector employment. (See [chart 2](#).) 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. In Oklahoma, gross job gains at **expanding** establishments totaled 68,132 in the fourth quarter of 2020, an increase of 858 jobs compared to the previous quarter. (See [table 1](#).) **Opening** establishments accounted for 28,085 jobs gained in the fourth quarter of 2020, an increase of 13,398 jobs from the previous quarter.

Chart 2. Private-sector gross job gains as a percent of employment, United States and Oklahoma, December 2015–December 2020, seasonally adjusted



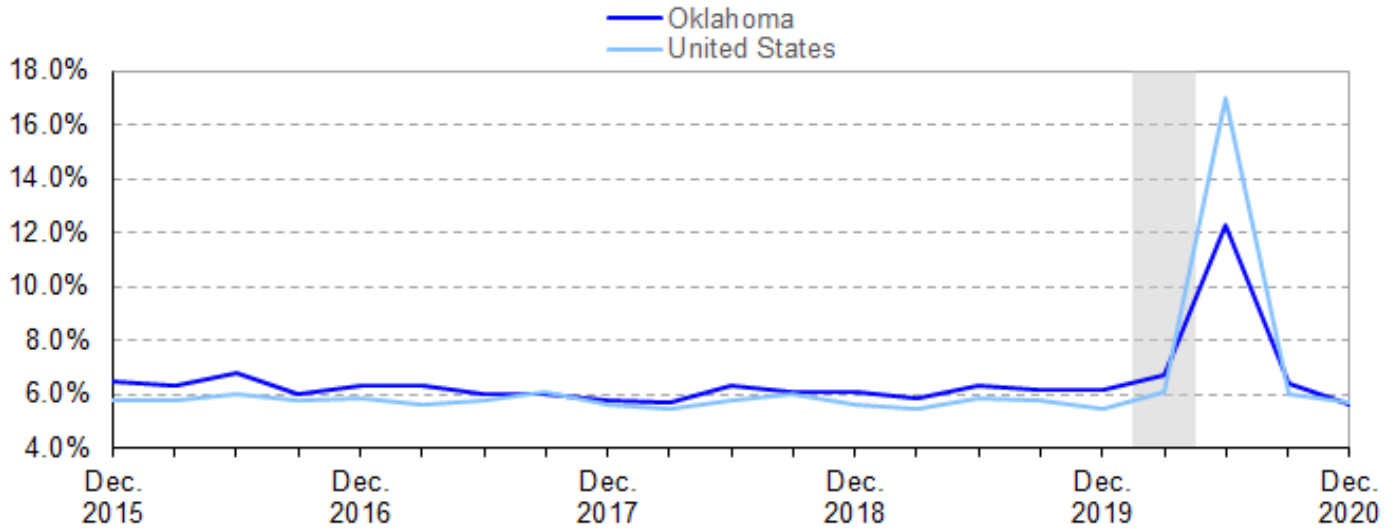
Source: U.S. Bureau of Labor Statistics.

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

Gross job losses

In the fourth quarter of 2020, gross job losses represented 5.6 percent of private-sector employment in Oklahoma; nationally, gross job losses accounted for 5.7 percent of private-sector employment. (See [chart 3](#).) Gross job losses are the result of contractions in employment at existing establishments and the loss of jobs at closing establishments. In Oklahoma, **contracting** establishments lost 55,120 jobs in the fourth quarter of 2020, a decrease of 6,642 jobs from the prior quarter. **Closing** establishments lost 13,387 jobs, a decrease of 2,338 jobs from the previous quarter.

Chart 3. Private-sector gross job losses as a percent of employment, United States and Oklahoma, December 2015–December 2020, seasonally adjusted



Source: U.S. Bureau of Labor Statistics.

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

Industries

Gross job gains exceeded gross job losses in 9 of the 11 industry sectors in Oklahoma in the fourth quarter of 2020. Transportation and warehousing had the largest over-the-quarter net job increase, with a gain of 10,311 jobs. This was the result of 12,860 gross job gains and 2,549 gross job losses. The professional and business services sector had a net gain of 6,208 jobs. The information industry sector showed a net loss of 458 jobs and the manufacturing industry sector had a net loss of 241 jobs.

For more information

The BED data series include gross job gains and gross job losses by industry subsector, for the 50 states, the District of Columbia, Puerto Rico, and the Virgin Islands, as well as gross job gains and gross job losses at the firm level by employer size class. BED data for the states have been included in [table 2](#) of this release. Additional information is available online at www.bls.gov/bdm/.

The Business Employment Dynamics for First Quarter 2021 are scheduled to be released on Wednesday, October 27, 2021.

Coronavirus (COVID-19) Effect on Fourth Quarter 2020 Business Employment Dynamics

Data collection and processing methods have been impacted because of the COVID-19 pandemic. More detail can be found at www.bls.gov/covid19/effects-of-covid-19-pandemic-on-business-employment-dynamics.htm.

Technical Note

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

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 units and jobs lost at closing and contracting units.

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

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

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

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

The full Technical Note for the Business Employment Dynamics program, which includes information on coverage, concepts, and methodology, can be found in the current quarterly news release online at www.bls.gov/news.release/cewbd.htm.

Information in this release will be made available to individuals with sensory impairments upon request. Voice phone: (202) 691-5200; Federal Relay Service: (800) 877-8339.

Table 1. 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	June 2020	Sept 2020	Dec. 2020	Dec. 2019	Mar. 2020	June 2020	Sept 2020	Dec. 2020
Total private ⁽¹⁾										
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 ⁽²⁾	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 ⁽²⁾	-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 ⁽²⁾	-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
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 ⁽²⁾	-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 ⁽²⁾	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 ⁽²⁾	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

Note: See footnotes at end of table.

Table 1. Private sector gross job gains and losses by industry, Oklahoma, seasonally adjusted - Continued

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	June 2020	Sept 2020	Dec. 2020	Dec. 2019	Mar. 2020	June 2020	Sept 2020	Dec. 2020
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 ⁽²⁾	20	-30	-1,385	-169	-458	0.1	-0.2	-7.5	-1.0	-2.6
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 ⁽²⁾	-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 ⁽²⁾	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 ⁽²⁾	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
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 ⁽²⁾	1,286	-5,700	-21,540	3,189	3,818	0.7	-3.2	-13.3	2.1	2.4
Other services ⁽³⁾										
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 ⁽²⁾	319	-384	-3,180	55	760	0.8	-1.1	-9.3	0.2	2.2

(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.

Table 2. Private sector gross job gains and losses as a percent of total employment by state, seasonally adjusted

Category	Gross job gains as a percent of employment (3 months ended)					Gross job losses as a percent of employment (3 months ended)				
	Dec. 2019	Mar. 2020	June 2020	Sept. 2020	Dec. 2020	Dec. 2019	Mar. 2020	June 2020	Sept. 2020	Dec. 2020
United States ⁽¹⁾	6.2	5.5	4.8	9.4	7.4	5.5	6.1	17.0	6.0	5.7
Alabama	6.2	5.5	4.8	7.8	7.8	5.5	5.9	12.6	5.9	5.0
Alaska	10.3	9.2	6.9	12.2	13.4	10.2	9.5	24.5	9.9	7.7
Arizona	6.4	5.6	5.7	7.9	7.4	5.2	5.9	11.7	6.2	4.9
Arkansas	6.5	5.1	4.8	7.5	7.1	4.9	5.5	12.0	5.6	5.1
California	6.8	6.1	5.2	8.7	8.4	6.0	6.7	18.6	7.3	6.2
Colorado	6.7	6.3	5.8	10.0	7.5	6.2	7.0	14.9	6.3	7.2
Connecticut	5.5	5.2	4.3	11.2	6.5	5.6	5.9	19.7	5.1	5.8
Delaware	6.7	6.2	4.9	10.3	6.7	6.2	6.6	17.7	6.3	5.7
District of Columbia	5.4	5.2	3.3	8.3	5.2	4.7	5.3	22.4	5.8	5.5
Florida	6.6	5.4	6.1	9.5	7.6	5.9	6.2	13.9	6.8	5.6
Georgia	6.5	5.6	5.4	9.2	7.8	5.5	5.9	15.0	6.4	5.2
Hawaii	5.7	5.2	3.6	7.4	14.7	5.2	5.8	29.8	12.7	4.6
Idaho	7.7	7.6	6.4	8.4	8.7	6.3	6.1	11.2	6.5	6.1
Illinois	5.6	5.0	4.6	9.7	6.5	5.2	6.0	18.4	5.6	6.1
Indiana	6.0	4.9	4.7	8.3	6.9	5.1	6.0	13.7	5.4	5.0
Iowa	5.8	5.2	4.4	7.4	6.8	5.5	5.9	13.0	5.6	5.1
Kansas	6.3	5.4	5.0	7.9	7.0	5.7	6.0	13.3	6.0	6.0
Kentucky	6.2	5.3	4.6	8.8	6.8	5.6	6.1	15.3	5.0	5.4
Louisiana	5.9	5.3	4.5	8.8	8.7	5.7	6.3	16.9	7.2	5.5
Maine	7.3	6.4	5.4	12.0	8.5	6.9	7.0	21.7	6.0	6.3
Maryland	6.4	5.7	4.7	11.0	7.1	5.9	6.7	21.9	5.9	5.9
Massachusetts	5.8	5.2	3.7	12.5	7.0	5.6	6.0	24.2	5.6	5.6
Michigan	5.8	5.0	4.0	10.9	6.8	5.3	5.7	20.7	4.8	7.0
Minnesota	5.8	5.0	4.3	9.0	7.0	5.6	5.6	17.6	5.4	6.9
Mississippi	6.2	5.6	5.1	8.7	7.9	5.6	6.2	12.9	5.5	4.9
Missouri	6.2	5.2	4.7	8.5	7.2	5.3	5.7	14.3	5.7	5.3
Montana	8.6	7.7	6.8	9.9	9.3	7.2	7.7	13.8	7.2	6.8
Nebraska	6.2	5.8	4.9	8.1	6.8	5.8	6.1	12.1	5.9	5.6
Nevada	6.8	5.4	5.3	12.8	8.9	5.0	6.3	29.2	6.4	5.7
New Hampshire	6.6	6.0	4.5	11.9	7.4	6.0	6.4	18.8	5.1	6.5
New Jersey	6.5	5.7	4.6	15.7	8.1	5.8	6.3	28.1	5.8	5.9
New Mexico	7.0	6.1	4.5	8.3	7.1	6.3	6.5	17.6	6.0	7.6
New York	6.0	5.5	3.9	13.3	7.4	5.7	6.4	26.9	5.9	6.4
North Carolina	6.3	5.8	4.8	8.5	7.8	5.4	5.7	14.5	5.6	5.1
North Dakota	6.7	6.8	5.2	8.8	7.2	6.6	7.0	17.2	6.9	7.1
Ohio	5.7	5.1	4.5	7.7	6.6	5.3	5.6	14.4	5.3	5.2
Oklahoma	6.5	5.4	5.6	6.8	7.8	6.2	6.7	12.3	6.4	5.6
Oregon	6.7	6.2	5.0	9.0	7.4	5.8	6.5	18.4	6.2	6.5
Pennsylvania	5.4	4.9	3.6	10.3	6.2	4.9	5.6	18.2	5.0	5.3
Rhode Island	6.5	6.1	4.5	12.9	7.5	5.9	6.5	25.2	5.3	7.1
South Carolina	6.5	5.5	5.1	8.8	8.1	5.9	6.6	14.9	6.1	5.3
South Dakota	6.4	6.0	5.1	8.6	7.2	5.8	6.6	11.6	5.5	6.2
Tennessee	5.7	4.9	4.4	8.1	7.5	5.0	5.3	13.7	5.4	4.6
Texas	6.0	5.0	4.7	7.2	7.5	5.1	5.5	13.6	6.0	4.8
Utah	6.8	6.6	6.5	9.1	8.1	6.3	6.4	10.9	6.2	5.5
Vermont	6.9	5.8	4.6	12.3	7.6	6.4	7.6	18.5	5.7	7.9
Virginia	6.5	5.6	4.7	10.2	7.0	5.5	6.1	18.2	5.3	5.3
Washington	6.6	7.4	4.9	8.9	7.1	5.8	7.4	16.9	6.2	6.0
West Virginia	6.2	6.0	5.1	8.8	7.4	7.1	6.8	13.8	7.0	6.2
Wisconsin	5.4	5.0	4.4	7.6	6.3	5.0	5.3	14.4	5.2	5.1
Wyoming	9.4	8.6	6.4	10.7	10.0	8.7	9.3	18.1	7.7	7.6
Puerto Rico	5.4	5.0	4.0	11.0	6.6	4.9	5.2	16.9	5.1	4.9
Virgin Islands	10.3	7.2	5.3	8.4	8.9	7.3	8.3	19.8	12.3	5.4

Note: See footnotes at end of table.

(1) Totals for the United States do not include data for Puerto Rico or the Virgin Islands.