

# NEWS RELEASE

## BUREAU OF LABOR STATISTICS

U. S. D E P A R T M E N T O F L A B O R



**For release 10:00 a.m. (EDT) Friday, March 16, 2018**

USDL-18-0377

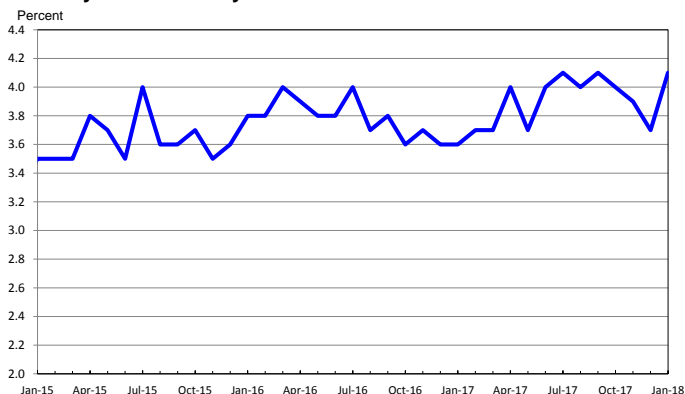
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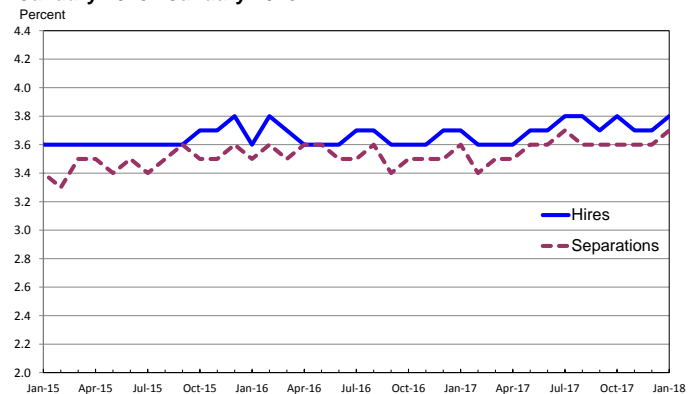
### JOB OPENINGS AND LABOR TURNOVER – JANUARY 2018

The number of job openings increased to 6.3 million on the last business day of January, the U.S. Bureau of Labor Statistics reported today. Over the month, hires and separations were little changed at 5.6 million and 5.4 million, respectively. Within separations, the quits rate and the layoffs and discharges rate were little changed at 2.2 percent and 1.2 percent, respectively. This release includes estimates of the number and rate of job openings, hires, and separations for the nonfarm sector by industry and by four geographic regions. The release also includes 2017 annual estimates for hires and separations. The annual number of hires at 65.3 million and the annual number of quits at 38.2 million increased in 2017. The annual number of layoffs and discharges at 20.7 million edged up in 2017.

**Chart 1. Job openings rate, seasonally adjusted, January 2015 - January 2018**



**Chart 2. Hires and total separations rates, seasonally adjusted, January 2015 - January 2018**



### Job Openings

On the last business day of January, the **job openings** level increased to a series high of 6.3 million (+645,000). The job openings level increased for total private (+608,000) and edged up for government. The job openings rate increased to 4.1 percent in January. The number of job openings increased in professional and business services (+215,000), transportation, warehousing, and utilities (+113,000),

#### Revisions to the JOLTS Data

Job openings, hires, and separations data have been revised to incorporate annual updates to the Current Employment Statistics employment estimates and the Job Openings and Labor Turnover Survey (JOLTS) seasonal adjustment factors. See the revision section at the end of this release for more information.

construction (+101,000), and several other industries. The number of job openings increased in the South, Midwest, and West regions. (See table 1.)

## Hires

The number of **hires** was little changed at 5.6 million in January. The hires rate was little changed at 3.8 percent. The number of hires was little changed for total private and for government. Hires increased in federal government (+10,000). The number of hires was little changed in all four regions. (See table 2.)

## Separations

Total separations includes quits, layoffs and discharges, and other separations. Total separations is referred to as turnover. Quits are generally voluntary separations initiated by the employee. Therefore, the quits rate can serve as a measure of workers' willingness or ability to leave jobs. Layoffs and discharges are involuntary separations initiated by the employer. Other separations includes separations due to retirement, death, disability, and transfers to other locations of the same firm.

There were 5.4 million **total separations** in January, little changed from December. The total separations rate in January was little changed at 3.7 percent. The number of total separations was little changed for total private and edged down for government. Total separations increased in health care and social assistance (+52,000) but decreased in federal government (-6,000). The number of total separations was little changed in all four regions. (See table 3.)

The number of **quits** was little changed at 3.3 million in January. The quits rate was little changed at 2.2 percent. Over the month, the number of quits was little changed for total private and for government. Quits increased in arts, entertainment, and recreation (+13,000) but decreased in professional and business services (-71,000). The number of quits decreased in the West region. (See table 4.)

There were 1.8 million **layoffs and discharges** in January, little changed from December. The layoffs and discharges rate was little changed at 1.2 percent in January. The number of layoffs and discharges was little changed for total private and for government. The layoffs and discharges level increased in health care and social assistance (+52,000). Layoffs and discharges were little changed in all four regions. (See table 5.)

In January, the number of **other separations** increased for total nonfarm (+57,000) and for total private (+56,000). The number of other separations was little changed for government. Other separations increased in retail trade (+26,000) but decreased in federal government (-4,000). Other separations increased in the West region. (See table 6.)

## Net Change in Employment

Large numbers of hires and separations occur every month throughout the business cycle. Net employment change results from the relationship between hires and separations. When the number of hires exceeds the number of separations, employment rises, even if the hires level is steady or declining. Conversely, when the number of hires is less than the number of separations, employment declines, even if the hires level is steady or rising. Over the 12 months ending in January, hires totaled 65.4 million and separations totaled 63.2 million, yielding a **net employment** gain of 2.1 million. These totals include workers who may have been hired and separated more than once during the year.

## **Annual Levels and Rates**

Calculating annual levels and rates allows additional comparisons across years. Annual levels for hires, quits, layoffs and discharges, other separations, and total separations are the sum of the 12 published monthly levels. Annual rates are computed by dividing the annual level by the Current Employment Statistics (CES) annual average employment level, and multiplying that quotient by 100. Consistent with BLS practice, annual estimates are published only for not seasonally adjusted data and are released with the January news release each year. Note that annual estimates are not calculated for job openings because job openings are a stock, or point-in-time, measurement for the last business day of each month.

In 2017, there were 65.3 million hires, an increase from 2016. Total separations (the sum of quits, layoffs and discharges, and other separations) rose in 2017 to 63.0 million. Quits rose for the eighth consecutive year reaching 38.2 million in 2017 and comprised 61 percent of total separations. Layoffs and discharges edged up in 2017 to 20.7 million and comprised 33 percent of total separations. Other separations declined in 2017 to 4.2 million and comprised 7 percent of total separations. (See tables 13 through 22.)

The annual hires for 2017 was 44.5 percent of the annual average CES employment level. This rate has been trending upwards since 2009. The annual total separations rate for 2017 was 43.0 percent. The annual rates for the components of total separations were 26.0 percent for quits, 14.1 percent for layoffs and discharges, and 2.8 percent for other separations.

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**The Job Openings and Labor Turnover Survey results for February 2018 are scheduled to be released on Friday, April 13, 2018 at 10:00 a.m. (EDT).**

**Table A. Job openings, hires, and total separations by industry, seasonally adjusted**

Category	Job openings			Hires			Total separations		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>P</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>P</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>P</sup>
<b>LEVELS BY INDUSTRY (in thousands)</b>									
Total.....	5,444	5,667	6,312	5,460	5,524	5,583	5,224	5,314	5,409
Total private.....	4,970	5,143	5,751	5,108	5,173	5,244	4,880	4,959	5,079
Mining and logging <sup>1</sup> .....	23	20	21	27	31	33	32	31	32
Construction <sup>1</sup> .....	159	149	250	402	321	342	371	291	332
Manufacturing.....	365	374	427	308	348	360	293	337	352
Durable goods <sup>1</sup> .....	202	239	284	168	201	217	161	189	203
Nondurable goods <sup>1</sup> .....	163	135	143	140	147	143	132	148	150
Trade, transportation, and utilities.....	926	1,087	1,235	1,036	1,076	1,078	1,023	1,050	1,057
Wholesale trade <sup>1</sup> .....	186	188	218	142	148	153	150	143	154
Retail trade.....	553	707	711	686	698	715	676	686	704
Transportation, warehousing, and utilities <sup>1</sup> .....	187	192	305	209	230	209	198	221	199
Information <sup>1</sup> .....	80	103	124	79	83	82	80	88	87
Financial activities.....	391	332	355	234	187	193	199	172	182
Finance and insurance.....	251	253	267	161	122	125	137	121	121
Real estate and rental and leasing <sup>1</sup> .....	140	79	88	73	65	68	62	51	61
Professional and business services.....	929	874	1,089	1,123	1,218	1,196	1,080	1,180	1,145
Education and health services.....	1,123	1,107	1,152	645	666	703	628	626	683
Educational services <sup>1</sup> .....	84	84	120	82	111	112	78	98	102
Health care and social assistance.....	1,038	1,023	1,032	564	556	591	550	529	581
Leisure and hospitality.....	736	902	889	1,012	1,021	1,053	954	981	1,015
Arts, entertainment, and recreation.....	82	90	87	153	153	167	130	142	157
Accommodation and food services.....	654	812	802	859	869	886	824	839	858
Other services <sup>1</sup> .....	237	196	210	241	222	205	220	204	194
Government.....	474	524	561	352	351	339	343	354	329
Federal <sup>1</sup> .....	84	79	95	46	28	38	40	36	30
State and local.....	390	445	467	306	322	301	303	319	300
State and local education.....	143	165	176	153	167	149	151	165	153
State and local, excluding education <sup>1</sup> .....	247	280	291	153	155	152	153	153	147
<b>RATES BY INDUSTRY (percent)</b>									
Total.....	3.6	3.7	4.1	3.7	3.7	3.8	3.6	3.6	3.7
Total private.....	3.9	3.9	4.4	4.1	4.1	4.2	4.0	4.0	4.0
Mining and logging <sup>1</sup> .....	3.5	2.8	2.9	4.2	4.4	4.6	4.9	4.5	4.5
Construction <sup>1</sup> .....	2.3	2.1	3.4	5.8	4.5	4.8	5.4	4.1	4.7
Manufacturing.....	2.9	2.9	3.3	2.5	2.8	2.9	2.4	2.7	2.8
Durable goods <sup>1</sup> .....	2.6	3.0	3.5	2.2	2.6	2.8	2.1	2.4	2.6
Nondurable goods <sup>1</sup> .....	3.4	2.8	2.9	3.0	3.1	3.0	2.8	3.1	3.2
Trade, transportation, and utilities.....	3.3	3.8	4.3	3.8	3.9	3.9	3.7	3.8	3.8
Wholesale trade <sup>1</sup> .....	3.1	3.1	3.5	2.4	2.5	2.6	2.5	2.4	2.6
Retail trade.....	3.4	4.3	4.3	4.3	4.4	4.5	4.2	4.3	4.4
Transportation, warehousing, and utilities <sup>1</sup> .....	3.2	3.2	5.0	3.7	4.0	3.6	3.5	3.8	3.4
Information <sup>1</sup> .....	2.8	3.6	4.3	2.8	3.0	3.0	2.9	3.2	3.1
Financial activities.....	4.4	3.8	4.0	2.8	2.2	2.3	2.4	2.0	2.1
Finance and insurance.....	3.9	3.9	4.1	2.6	1.9	2.0	2.2	1.9	1.9
Real estate and rental and leasing <sup>1</sup> .....	6.0	3.4	3.8	3.4	2.9	3.1	2.8	2.3	2.7
Professional and business services.....	4.4	4.1	5.0	5.5	5.9	5.8	5.3	5.7	5.5
Education and health services.....	4.7	4.5	4.7	2.8	2.8	3.0	2.7	2.7	2.9
Educational services <sup>1</sup> .....	2.3	2.2	3.1	2.3	3.0	3.0	2.1	2.6	2.7
Health care and social assistance.....	5.1	4.9	5.0	2.9	2.8	3.0	2.8	2.7	2.9
Leisure and hospitality.....	4.4	5.3	5.2	6.4	6.3	6.5	6.0	6.0	6.2
Arts, entertainment, and recreation.....	3.4	3.7	3.5	6.7	6.5	7.1	5.6	6.0	6.7
Accommodation and food services.....	4.6	5.5	5.5	6.3	6.3	6.4	6.1	6.1	6.2
Other services <sup>1</sup> .....	4.0	3.3	3.5	4.2	3.8	3.5	3.8	3.5	3.3

See footnotes at end of table.

**Table A. Job openings, hires, and total separations by industry, seasonally adjusted — Continued**

Category	Job openings			Hires			Total separations		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Government.....	2.1	2.3	2.5	1.6	1.6	1.5	1.5	1.6	1.5
Federal <sup>1</sup> .....	2.9	2.7	3.3	1.6	1.0	1.3	1.4	1.3	1.1
State and local.....	2.0	2.2	2.3	1.6	1.6	1.5	1.6	1.6	1.5
State and local education.....	1.4	1.6	1.7	1.5	1.6	1.4	1.5	1.6	1.5
State and local, excluding education <sup>1</sup> ....	2.6	3.0	3.1	1.7	1.7	1.7	1.7	1.7	1.6

<sup>1</sup> No regular seasonal movements could be identified in the job openings series, therefore, the seasonally adjusted and not seasonally adjusted data are identical.

<sup>p</sup> Preliminary

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates and the JOLTS seasonal adjustment factors.

## Revisions to Job Openings and Labor Turnover Data

In accordance with annual practice, the Job Openings and Labor Turnover Survey (JOLTS) data have been revised to reflect annual updates to the Current Employment Statistics (CES), or establishment survey, employment estimates. The JOLTS employment levels (not published) are ratio adjusted to the CES employment levels, and the resulting ratios are applied to all JOLTS data elements. The result is the revision of 21 months of not seasonally adjusted data. Additionally, new seasonal factors have been developed based on the full revised JOLTS series and have been applied to the data from January 2013 forward. Also effective with this release, JOLTS is adopting the 2017 version of the North American Industry Classification System (NAICS). Changes in the 2017 NAICS structure are minor and do not impact the published JOLTS data series.

Tables B through G below present revised total nonfarm data for January through December 2017. The December 2017 revisions also reflect the routine incorporation of additional sample receipts into the final December estimates. Tables presenting revisions to total nonfarm data for January 2013 through December 2016 will be available later today on the JOLTS website. The website also contains all revised seasonally adjusted and not seasonally adjusted data. The revision tables and data can be accessed through the JOLTS homepage at [www.bls.gov/jlt/](http://www.bls.gov/jlt/).

**Table B. Revisions in job openings data, seasonally adjusted**

Year and month	Levels (in thousands)			Rates		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>2017</b>						
January.....	5,625	5,444	-181	3.7	3.6	-0.1
February.....	5,682	5,618	-64	3.8	3.7	-.1
March.....	5,785	5,607	-178	3.8	3.7	-.1
April.....	5,967	6,108	141	3.9	4.0	.1
May.....	5,702	5,688	-14	3.8	3.7	-.1
June.....	6,116	6,125	9	4.0	4.0	.0
July.....	6,140	6,200	60	4.0	4.1	.1
August.....	6,090	6,046	-44	4.0	4.0	.0
September.....	6,177	6,231	54	4.0	4.1	.1
October.....	5,925	6,061	136	3.9	4.0	.1
November.....	5,978	5,933	-45	3.9	3.9	.0
December.....	5,811	5,667	-144	3.8	3.7	-.1

**Table C. Revisions in hires data, seasonally adjusted**

Year and month	Levels (in thousands)			Rates		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>2017</b>						
January.....	5,424	5,460	36	3.7	3.7	0.0
February.....	5,249	5,264	15	3.6	3.6	.0
March.....	5,304	5,297	-7	3.6	3.6	.0
April.....	5,043	5,225	182	3.5	3.6	.1
May.....	5,459	5,486	27	3.7	3.7	.0
June.....	5,432	5,467	35	3.7	3.7	.0
July.....	5,521	5,506	-15	3.8	3.8	.0
August.....	5,420	5,514	94	3.7	3.8	.1
September.....	5,320	5,383	63	3.6	3.7	.1
October.....	5,592	5,609	17	3.8	3.8	.0
November.....	5,493	5,514	21	3.7	3.7	.0
December.....	5,488	5,524	36	3.7	3.7	.0

**Table D. Revisions in total separations data, seasonally adjusted**

Year and month	Levels (in thousands)			Rates		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>2017</b>						
January.....	5,247	5,224	-23	3.6	3.6	0.0
February.....	5,008	5,031	23	3.4	3.4	.0
March.....	5,198	5,172	-26	3.6	3.5	-.1
April.....	5,008	5,111	103	3.4	3.5	.1
May.....	5,245	5,266	21	3.6	3.6	.0
June.....	5,309	5,296	-13	3.6	3.6	.0
July.....	5,362	5,407	45	3.7	3.7	.0
August.....	5,273	5,346	73	3.6	3.6	.0
September.....	5,244	5,344	100	3.6	3.6	.0
October.....	5,251	5,273	22	3.6	3.6	.0
November.....	5,212	5,254	42	3.5	3.6	.1
December.....	5,238	5,314	76	3.6	3.6	.0

**Table E. Revisions in quits data, seasonally adjusted**

Year and month	Levels (in thousands)			Rates		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>2017</b>						
January.....	3,186	3,169	-17	2.2	2.2	0.0
February.....	3,036	3,018	-18	2.1	2.1	.0
March.....	3,138	3,144	6	2.2	2.2	.0
April.....	3,044	3,072	28	2.1	2.1	.0
May.....	3,206	3,227	21	2.2	2.2	.0
June.....	3,130	3,166	36	2.1	2.2	.1
July.....	3,194	3,240	46	2.2	2.2	.0
August.....	3,093	3,173	80	2.1	2.2	.1
September.....	3,180	3,256	76	2.2	2.2	.0
October.....	3,187	3,224	37	2.2	2.2	.0
November.....	3,161	3,195	34	2.1	2.2	.1
December.....	3,259	3,340	81	2.2	2.3	.1

**Table F. Revisions in layoffs and discharges data, seasonally adjusted**

Year and month	Levels (in thousands)			Rates		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>2017</b>						
January.....	1,659	1,659	0	1.1	1.1	0.0
February.....	1,594	1,657	63	1.1	1.1	.0
March.....	1,661	1,669	8	1.1	1.1	.0
April.....	1,605	1,687	82	1.1	1.2	.1
May.....	1,673	1,689	16	1.1	1.2	.1
June.....	1,806	1,772	-34	1.2	1.2	.0
July.....	1,789	1,817	28	1.2	1.2	.0
August.....	1,781	1,806	25	1.2	1.2	.0
September.....	1,746	1,762	16	1.2	1.2	.0
October.....	1,693	1,712	19	1.2	1.2	.0
November.....	1,725	1,735	10	1.2	1.2	.0
December.....	1,645	1,655	10	1.1	1.1	.0



**Table G. Revisions in other separations data, seasonally adjusted**

Year and month	Levels (in thousands)			Rates		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>2017</b>						
January.....	402	396	-6	0.3	0.3	0.0
February.....	378	356	-22	.3	.2	-.1
March.....	399	359	-40	.3	.2	-.1
April.....	359	352	-7	.2	.2	.0
May.....	365	350	-15	.2	.2	.0
June.....	373	357	-16	.3	.2	-.1
July.....	379	350	-29	.3	.2	-.1
August.....	398	367	-31	.3	.2	-.1
September.....	318	327	9	.2	.2	.0
October.....	372	336	-36	.3	.2	-.1
November.....	326	325	-1	.2	.2	.0
December.....	334	318	-16	.2	.2	.0

# Technical Note

This news release presents statistics from the Job Openings and Labor Turnover Survey (JOLTS). The Bureau of Labor Statistics (BLS) collects and compiles JOLTS data monthly from a sample of nonfarm establishments. A more detailed discussion of JOLTS concepts and methodology is available online at [www.bls.gov/opub/hom/pdf/homch18.pdf](http://www.bls.gov/opub/hom/pdf/homch18.pdf).

## Coverage and collection

The JOLTS program covers all private nonfarm establishments, as well as federal, state, and local government entities in the 50 states and the District of Columbia. Data are collected for total employment, job openings, hires, quits, layoffs and discharges, other separations, and total separations.

## Concepts

**Industry classification.** The industry classifications in this release are in accordance with the 2017 version of the North American Industry Classification System (NAICS).

**Employment.** Employment includes persons on the payroll who worked or received pay for the pay period that includes the 12th day of the reference month. Full-time, part-time, permanent, short-term, seasonal, salaried, and hourly employees are included, as are employees on paid vacations or other paid leave. Proprietors or partners of unincorporated businesses, unpaid family workers, or persons on leave without pay or on strike for the entire pay period, are not counted as employed. Employees of temporary help agencies, employee leasing companies, outside contractors, and consultants are counted by their employer of record, not by the establishment where they are working.

**Job openings.** Job openings information is collected for the last business day of the reference month. A job opening requires that: 1) a specific position exists and there is work available for that position, 2) work could start within 30 days whether or not the employer found a suitable candidate, and 3) the employer is actively recruiting from outside the establishment to fill the position. Included are full-time, part-time, permanent, short-term, and seasonal openings. Active recruiting means that the establishment is taking steps to fill a position by advertising in newspapers or on the Internet, posting help-wanted signs, accepting applications, or using other similar methods.

Jobs to be filled only by internal transfers, promotions, demotions, or recall from layoffs are excluded. Also excluded are jobs with start dates more than 30 days in the future, jobs for which employees have been hired but have not yet reported for work, and jobs to be filled by employees of temporary help agencies, employee leasing

companies, outside contractors, or consultants. The job openings rate is computed by dividing the number of job openings by the sum of employment and job openings and multiplying that quotient by 100.

**Hires.** The hires level is the total number of additions to the payroll occurring at any time during the reference month, including both new and rehired employees, full-time and part-time, permanent, short-term and seasonal employees, employees recalled to the location after a layoff lasting more than 7 days, on-call or intermittent employees who returned to work after having been formally separated, and transfers from other locations. The hires count does not include transfers or promotions within the reporting site, employees returning from strike, employees of temporary help agencies or employee leasing companies, outside contractors, or consultants. The hires rate is computed by dividing the number of hires by employment and multiplying that quotient by 100.

**Separations.** The separations level is the total number of employment terminations occurring at any time during the reference month, and is reported by type of separation—quits, layoffs and discharges, and other separations. (Some respondents are only able to report total separations.) The quits count includes voluntary separations by employees (except for retirements, which are reported as other separations). The layoffs and discharges count is comprised of involuntary separations initiated by the employer and includes layoffs with no intent to rehire; formal layoffs lasting or expected to last more than 7 days; discharges resulting from mergers, downsizing, or closings; firings or other discharges for cause; terminations of permanent or short-term employees; and terminations of seasonal employees. The other separations count includes retirements, transfers to other locations, deaths, and separations due to disability. The separations count does not include transfers within the same location or employees on strike. The separations rate is computed by dividing the number of separations by employment and multiplying that quotient by 100. The quits, layoffs and discharges, and other separations rates are computed similarly.

**Annual estimates.** Annual levels for hires, quits, layoffs and discharges, other separations, and total separations are the sum of the 12 published monthly levels. Annual rates are computed by dividing the annual level by the Current Employment Statistics (CES) annual average employment level, and multiplying that quotient by 100. This figure will be approximately equal to the sum of the 12 monthly rates. Consistent with BLS practice, annual estimates are published only for not seasonally adjusted data and are released with the January news release each year. Annual estimates are not calculated for job openings because job openings are a stock, or point-in-time, measurement for the last business day of each month.

### **Sample and estimation methodology**

The JOLTS survey design is a stratified random sample of 16,000 nonfarm business and government establishments. The sample is stratified by ownership, region, industry sector, and establishment size class. The establishments are drawn from a universe of over 9.1 million establishments compiled by the Quarterly Census of Employment and Wages (QCEW) program which includes all employers subject to state unemployment insurance laws and federal agencies subject to the Unemployment Compensation for Federal Employees program.

JOLTS total employment estimates are benchmarked, or ratio adjusted, monthly to the strike-adjusted employment estimates of the CES survey. A ratio of CES to JOLTS employment is used to adjust the levels for all other JOLTS data elements.

### **JOLTS business birth/death model**

As with any sample survey, the JOLTS sample can only be as current as its sampling frame. The time lag from the birth of an establishment until its appearance on the sampling frame is approximately one year. In addition, many of these new units may fail within the first year. Since these universe units cannot be reflected on the sampling frame immediately, the JOLTS sample cannot capture job openings, hires, and separations from these units during their early existence. To compensate for the inability to capture data from these establishments, BLS has developed a birth/death model that uses birth and death activity from previous years. The estimates of job openings, hires, and separations produced by the birth/death model are added to the sample-based estimates produced from the survey to arrive at the estimates for openings, hires, and separations.

### **Seasonal adjustment**

BLS uses X-13 ARIMA to seasonally adjust several JOLTS series utilizing moving averages as seasonal filters. A concurrent seasonal adjustment methodology is used in which new seasonal adjustment factors are calculated each month, using all relevant data, up to and including current month data. JOLTS seasonal adjustment includes both additive and multiplicative models and REGARIMA (regression with auto-correlated errors) modeling to improve the seasonal adjustment factors at the beginning and end of the series and to detect and adjust for outliers in the series.

### **Alignment procedure**

The JOLTS measures for hires minus separations can be used to derive a measure of net employment change. This change should be comparable to the net employment change from the much larger CES survey. However, definitional differences as well as sampling and non-

sampling errors between the two surveys historically caused JOLTS to diverge from CES over time. To limit the divergence, and improve the quality of the JOLTS hires and separations series, BLS implemented the Monthly Alignment Method.

This method applies the CES employment trends to the seasonally adjusted JOLTS implied employment trend (hires minus separations) forcing them to be approximately the same, while preserving the seasonality of the JOLTS data. First, the two series are seasonally adjusted and the difference between the JOLTS implied employment change and the CES net employment change is calculated. Next, the JOLTS implied employment change is adjusted to equal the CES net employment change through a proportional adjustment. This procedure adjusts the two components (hires, separations) proportionally to their contribution to the total churn (hires plus separations). The adjusted hires and separations are converted back to not seasonally adjusted data by reversing the application of the original seasonal factors. After the Monthly Alignment Method has been used to adjust the level estimates, rate estimates are computed from the adjusted levels.

### **Reliability of the estimates**

JOLTS estimates are subject to both sampling and nonsampling error. When a sample is surveyed rather than the entire population, there is a chance that the sample estimates may differ from the "true" population values they represent. The exact difference, or sampling error, varies depending on the particular sample selected, and this variability is measured by the standard error of the estimate. BLS analysis is generally conducted at the 90-percent level of confidence. That means that there is a 90-percent chance, or level of confidence, that an estimate based on a sample will differ by no more than 1.6 standard errors from the "true" population value because of sampling error. Sampling error estimates are available at [www.bls.gov/jlt/jolts\\_median\\_standard\\_errors.htm](http://www.bls.gov/jlt/jolts_median_standard_errors.htm).

The JOLTS estimates also are affected by non-sampling error. Nonsampling error can occur for many reasons, including the failure to include a segment of the population, the inability to obtain data from all units in the sample, the inability or unwillingness of respondents to provide data on a timely basis, mistakes made by respondents, errors made in the collection or processing of the data, and errors from the employment benchmark data used in estimation.

### **Other information**

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

**Table 1. Job openings levels and rates by industry and region, seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)						Rates <sup>2</sup>					
	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	5,444	6,231	6,061	5,933	5,667	6,312	3.6	4.1	4.0	3.9	3.7	4.1
<b>INDUSTRY</b>												
Total private.....	4,970	5,726	5,515	5,427	5,143	5,751	3.9	4.4	4.2	4.2	3.9	4.4
Mining and logging <sup>3</sup> .....	23	25	28	19	20	21	3.5	3.5	3.9	2.7	2.8	2.9
Construction <sup>3</sup> .....	159	179	233	225	149	250	2.3	2.5	3.2	3.1	2.1	3.4
Manufacturing.....	365	445	410	391	374	427	2.9	3.4	3.2	3.0	2.9	3.3
Durable goods <sup>3</sup> .....	202	271	248	248	239	284	2.6	3.4	3.1	3.1	3.0	3.5
Nondurable goods <sup>3</sup> .....	163	174	162	143	135	143	3.4	3.6	3.3	2.9	2.8	2.9
Trade, transportation, and utilities.....	926	1,158	1,031	1,187	1,087	1,235	3.3	4.0	3.6	4.1	3.8	4.3
Wholesale trade <sup>3</sup> .....	186	202	152	168	188	218	3.1	3.3	2.5	2.8	3.1	3.5
Retail trade.....	553	688	655	853	707	711	3.4	4.2	4.0	5.1	4.3	4.3
Transportation, warehousing, and utilities <sup>3</sup> .....	187	267	223	166	192	305	3.2	4.4	3.7	2.8	3.2	5.0
Information <sup>3</sup> .....	80	115	96	88	103	124	2.8	4.0	3.3	3.1	3.6	4.3
Financial activities.....	391	387	365	349	332	355	4.4	4.4	4.1	3.9	3.8	4.0
Finance and insurance.....	251	318	254	271	253	267	3.9	4.8	3.9	4.1	3.9	4.1
Real estate and rental and leasing <sup>3</sup> ...	140	69	111	77	79	88	6.0	3.0	4.8	3.4	3.4	3.8
Professional and business services....	929	1,222	1,084	976	874	1,089	4.4	5.6	5.0	4.5	4.1	5.0
Education and health services.....	1,123	1,124	1,127	1,095	1,107	1,152	4.7	4.6	4.6	4.5	4.5	4.7
Educational services <sup>3</sup> .....	84	87	93	100	84	120	2.3	2.3	2.5	2.6	2.2	3.1
Health care and social assistance....	1,038	1,037	1,034	995	1,023	1,032	5.1	5.0	5.0	4.8	4.9	5.0
Leisure and hospitality.....	736	786	850	865	902	889	4.4	4.7	5.0	5.1	5.3	5.2
Arts, entertainment, and recreation. .	82	90	82	77	90	87	3.4	3.7	3.4	3.2	3.7	3.5
Accommodation and food services. . .	654	695	768	789	812	802	4.6	4.8	5.3	5.4	5.5	5.5
Other services <sup>3</sup> .....	237	286	292	234	196	210	4.0	4.7	4.8	3.9	3.3	3.5
Government.....	474	505	546	506	524	561	2.1	2.2	2.4	2.2	2.3	2.5
Federal <sup>3</sup> .....	84	70	89	73	79	95	2.9	2.4	3.1	2.5	2.7	3.3
State and local.....	390	435	457	432	445	467	2.0	2.2	2.3	2.2	2.2	2.3
State and local education.....	143	163	156	157	165	176	1.4	1.5	1.5	1.5	1.6	1.7
State and local, excluding education <sup>3</sup> .....	247	273	301	275	280	291	2.6	2.9	3.2	2.9	3.0	3.1
<b>REGION<sup>4</sup></b>												
Northeast.....	994	1,058	1,018	973	968	1,030	3.6	3.8	3.6	3.5	3.4	3.6
South.....	2,003	2,194	2,090	2,138	2,011	2,202	3.6	3.9	3.7	3.8	3.6	3.9
Midwest.....	1,250	1,601	1,536	1,474	1,350	1,572	3.7	4.7	4.5	4.3	4.0	4.6
West.....	1,197	1,379	1,417	1,348	1,338	1,508	3.5	3.9	4.0	3.8	3.8	4.3

<sup>1</sup> Job openings are the number of job openings on the last business day of the month.

<sup>2</sup> The job openings rate is the number of job openings on the last business day of the month as a percent of total employment plus job openings.

<sup>3</sup> No regular seasonal movements could be identified in this series; therefore, identical numbers appear for the unadjusted and seasonally adjusted series.

<sup>4</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

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NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates and the JOLTS seasonal adjustment factors.

**Table 2. Hires levels and rates by industry and region, seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)						Rates <sup>2</sup>					
	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	5,460	5,383	5,609	5,514	5,524	5,583	3.7	3.7	3.8	3.7	3.7	3.8
<b>INDUSTRY</b>												
Total private.....	5,108	5,033	5,267	5,151	5,173	5,244	4.1	4.0	4.2	4.1	4.1	4.2
Mining and logging.....	27	27	32	34	31	33	4.2	3.9	4.7	4.8	4.4	4.6
Construction.....	402	387	372	357	321	342	5.8	5.6	5.3	5.1	4.5	4.8
Manufacturing.....	308	330	343	344	348	360	2.5	2.6	2.7	2.7	2.8	2.9
Durable goods.....	168	190	195	197	201	217	2.2	2.5	2.5	2.5	2.6	2.8
Nondurable goods.....	140	140	148	146	147	143	3.0	3.0	3.1	3.1	3.1	3.0
Trade, transportation, and utilities.....	1,036	1,040	1,059	1,058	1,076	1,078	3.8	3.8	3.8	3.8	3.9	3.9
Wholesale trade.....	142	134	156	142	148	153	2.4	2.3	2.6	2.4	2.5	2.6
Retail trade.....	686	691	693	698	698	715	4.3	4.4	4.4	4.4	4.4	4.5
Transportation, warehousing, and utilities.....	209	214	210	218	230	209	3.7	3.7	3.6	3.8	4.0	3.6
Information.....	79	82	82	79	83	82	2.8	3.0	3.0	2.8	3.0	3.0
Financial activities.....	234	191	235	192	187	193	2.8	2.3	2.8	2.3	2.2	2.3
Finance and insurance.....	161	123	158	125	122	125	2.6	2.0	2.5	2.0	1.9	2.0
Real estate and rental and leasing. ...	73	68	77	67	65	68	3.4	3.1	3.5	3.0	2.9	3.1
Professional and business services. ....	1,123	1,161	1,141	1,156	1,218	1,196	5.5	5.6	5.5	5.6	5.9	5.8
Education and health services.....	645	635	679	691	666	703	2.8	2.7	2.9	3.0	2.8	3.0
Educational services.....	82	90	86	107	111	112	2.3	2.4	2.3	2.9	3.0	3.0
Health care and social assistance. ....	564	544	593	584	556	591	2.9	2.8	3.0	3.0	2.8	3.0
Leisure and hospitality.....	1,012	993	1,074	1,038	1,021	1,053	6.4	6.2	6.6	6.4	6.3	6.5
Arts, entertainment, and recreation. ...	153	154	180	168	153	167	6.7	6.6	7.7	7.2	6.5	7.1
Accommodation and food services. ...	859	839	894	870	869	886	6.3	6.1	6.5	6.3	6.3	6.4
Other services.....	241	188	249	204	222	205	4.2	3.3	4.3	3.5	3.8	3.5
Government.....	352	349	342	363	351	339	1.6	1.6	1.5	1.6	1.6	1.5
Federal.....	46	38	50	39	28	38	1.6	1.3	1.8	1.4	1.0	1.3
State and local.....	306	312	292	324	322	301	1.6	1.6	1.5	1.7	1.6	1.5
State and local education.....	153	145	153	162	167	149	1.5	1.4	1.5	1.6	1.6	1.4
State and local, excluding education.....	153	167	139	162	155	152	1.7	1.8	1.5	1.8	1.7	1.7
<b>REGION<sup>3</sup></b>												
Northeast.....	902	820	932	808	790	830	3.4	3.0	3.4	3.0	2.9	3.0
South.....	2,072	2,156	2,283	2,264	2,221	2,281	3.9	4.0	4.2	4.2	4.1	4.2
Midwest.....	1,227	1,188	1,153	1,167	1,219	1,205	3.8	3.7	3.5	3.6	3.7	3.7
West.....	1,260	1,218	1,242	1,274	1,293	1,268	3.8	3.6	3.7	3.8	3.8	3.7

<sup>1</sup> Hires are the number of hires during the entire month.

<sup>2</sup> The hires rate is the number of hires during the entire month as a percent of total employment.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>p</sup> Preliminary

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates and the JOLTS seasonal adjustment factors.

**Table 3. Total separations levels and rates by industry and region, seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)						Rates <sup>2</sup>					
	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	5,224	5,344	5,273	5,254	5,314	5,409	3.6	3.6	3.6	3.6	3.6	3.7
<b>INDUSTRY</b>												
Total private.....	4,880	5,002	4,929	4,897	4,959	5,079	4.0	4.0	3.9	3.9	4.0	4.0
Mining and logging.....	32	22	31	29	31	32	4.9	3.2	4.4	4.2	4.5	4.5
Construction.....	371	375	344	330	291	332	5.4	5.4	4.9	4.7	4.1	4.7
Manufacturing.....	293	317	314	325	337	352	2.4	2.5	2.5	2.6	2.7	2.8
Durable goods.....	161	181	177	177	189	203	2.1	2.3	2.3	2.3	2.4	2.6
Nondurable goods.....	132	136	137	148	148	150	2.8	2.9	2.9	3.1	3.1	3.2
Trade, transportation, and utilities.....	1,023	991	1,014	1,015	1,050	1,057	3.7	3.6	3.7	3.7	3.8	3.8
Wholesale trade.....	150	119	138	121	143	154	2.5	2.0	2.3	2.0	2.4	2.6
Retail trade.....	676	682	691	696	686	704	4.2	4.3	4.4	4.4	4.3	4.4
Transportation, warehousing, and utilities.....	198	190	185	198	221	199	3.5	3.3	3.2	3.4	3.8	3.4
Information.....	80	99	81	73	88	87	2.9	3.6	2.9	2.6	3.2	3.1
Financial activities.....	199	185	219	173	172	182	2.4	2.2	2.6	2.0	2.0	2.1
Finance and insurance.....	137	118	152	133	121	121	2.2	1.9	2.4	2.1	1.9	1.9
Real estate and rental and leasing. . .	62	67	67	40	51	61	2.8	3.0	3.0	1.8	2.3	2.7
Professional and business services. . . .	1,080	1,154	1,077	1,158	1,180	1,145	5.3	5.6	5.2	5.6	5.7	5.5
Education and health services.....	628	607	669	637	626	683	2.7	2.6	2.9	2.7	2.7	2.9
Educational services.....	78	78	102	85	98	102	2.1	2.1	2.8	2.3	2.6	2.7
Health care and social assistance. . .	550	528	567	552	529	581	2.8	2.7	2.9	2.8	2.7	2.9
Leisure and hospitality.....	954	1,039	968	992	981	1,015	6.0	6.5	6.0	6.1	6.0	6.2
Arts, entertainment, and recreation. . .	130	169	155	165	142	157	5.6	7.3	6.6	7.1	6.0	6.7
Accommodation and food services. . .	824	870	812	827	839	858	6.1	6.3	5.9	6.0	6.1	6.2
Other services.....	220	212	212	166	204	194	3.8	3.7	3.7	2.8	3.5	3.3
Government.....	343	342	343	357	354	329	1.5	1.5	1.5	1.6	1.6	1.5
Federal.....	40	39	43	39	36	30	1.4	1.4	1.5	1.4	1.3	1.1
State and local.....	303	304	301	318	319	300	1.6	1.6	1.5	1.6	1.6	1.5
State and local education.....	151	134	158	156	165	153	1.5	1.3	1.5	1.5	1.6	1.5
State and local, excluding education.....	153	170	142	162	153	147	1.7	1.9	1.6	1.8	1.7	1.6
<b>REGION<sup>3</sup></b>												
Northeast.....	815	869	815	830	771	839	3.0	3.2	3.0	3.1	2.8	3.1
South.....	1,981	2,077	2,156	2,169	2,116	2,157	3.7	3.9	4.0	4.0	3.9	4.0
Midwest.....	1,208	1,174	1,137	1,096	1,164	1,168	3.7	3.6	3.5	3.4	3.6	3.6
West.....	1,220	1,224	1,165	1,159	1,263	1,245	3.6	3.6	3.4	3.4	3.7	3.7

<sup>1</sup> Total separations are the number of total separations during the entire month.

<sup>2</sup> The total separations rate is the number of total separations during the entire month as a percent of total employment.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>p</sup> Preliminary

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates and the JOLTS seasonal adjustment factors.

**Table 4. Quits levels and rates by industry and region, seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)						Rates <sup>2</sup>					
	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	3,169	3,256	3,224	3,195	3,340	3,271	2.2	2.2	2.2	2.2	2.3	2.2
<b>INDUSTRY</b>												
Total private.....	2,989	3,080	3,059	3,011	3,164	3,104	2.4	2.5	2.4	2.4	2.5	2.5
Mining and logging.....	12	15	19	15	17	21	1.9	2.2	2.7	2.2	2.5	2.9
Construction.....	149	153	164	148	152	171	2.2	2.2	2.3	2.1	2.2	2.4
Manufacturing.....	170	191	195	196	217	214	1.4	1.5	1.6	1.6	1.7	1.7
Durable goods.....	93	109	109	108	120	120	1.2	1.4	1.4	1.4	1.5	1.5
Nondurable goods.....	77	82	86	88	97	94	1.6	1.7	1.8	1.9	2.1	2.0
Trade, transportation, and utilities.....	661	634	666	629	682	661	2.4	2.3	2.4	2.3	2.5	2.4
Wholesale trade.....	98	86	98	84	101	90	1.7	1.4	1.7	1.4	1.7	1.5
Retail trade.....	473	447	464	432	475	469	3.0	2.8	2.9	2.7	3.0	3.0
Transportation, warehousing, and utilities.....	90	101	104	113	106	102	1.6	1.8	1.8	2.0	1.8	1.8
Information.....	40	51	44	46	50	50	1.4	1.8	1.6	1.6	1.8	1.8
Financial activities.....	125	114	122	115	114	116	1.5	1.3	1.4	1.4	1.3	1.4
Finance and insurance.....	86	80	79	93	83	75	1.4	1.3	1.3	1.5	1.3	1.2
Real estate and rental and leasing <sup>3</sup> ...	40	34	44	22	30	42	1.8	1.5	2.0	1.0	1.4	1.9
Professional and business services.....	624	713	641	712	747	676	3.1	3.5	3.1	3.5	3.6	3.3
Education and health services.....	430	407	453	427	423	410	1.9	1.7	1.9	1.8	1.8	1.7
Educational services.....	44	45	50	50	52	52	1.2	1.2	1.4	1.4	1.4	1.4
Health care and social assistance.....	386	361	403	377	370	358	2.0	1.8	2.1	1.9	1.9	1.8
Leisure and hospitality.....	655	665	646	652	676	682	4.1	4.1	4.0	4.0	4.2	4.2
Arts, entertainment, and recreation... ..	63	52	63	64	64	77	2.7	2.2	2.7	2.7	2.7	3.3
Accommodation and food services... ..	592	613	583	588	611	605	4.3	4.5	4.2	4.3	4.4	4.4
Other services <sup>3</sup> .....	123	137	109	71	87	103	2.1	2.4	1.9	1.2	1.5	1.8
Government.....	180	176	166	184	176	167	0.8	0.8	0.7	0.8	0.8	0.7
Federal.....	16	16	16	18	13	11	0.6	0.6	0.6	0.6	0.5	0.4
State and local.....	164	160	150	166	163	156	0.8	0.8	0.8	0.9	0.8	0.8
State and local education.....	77	73	80	84	83	79	0.7	0.7	0.8	0.8	0.8	0.8
State and local, excluding education.....	87	87	70	82	80	77	1.0	1.0	0.8	0.9	0.9	0.8
<b>REGION<sup>4</sup></b>												
Northeast.....	432	437	444	438	422	435	1.6	1.6	1.6	1.6	1.6	1.6
South.....	1,225	1,307	1,401	1,337	1,322	1,341	2.3	2.4	2.6	2.5	2.5	2.5
Midwest.....	728	745	670	685	758	730	2.3	2.3	2.1	2.1	2.3	2.2
West.....	783	766	709	735	837	765	2.3	2.3	2.1	2.2	2.5	2.3

<sup>1</sup> Quits are the number of quits during the entire month.

<sup>2</sup> The quits rate is the number of quits during the entire month as a percent of total employment.

<sup>3</sup> No regular seasonal movements could be identified in this series; therefore, identical numbers appear for the unadjusted and seasonally adjusted series.

<sup>4</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

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NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates and the JOLTS seasonal adjustment factors.

**Table 5. Layoffs and discharges levels and rates by industry and region, seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)						Rates <sup>2</sup>					
	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	1,659	1,762	1,712	1,735	1,655	1,762	1.1	1.2	1.2	1.2	1.1	1.2
<b>INDUSTRY</b>												
Total private.....	1,553	1,658	1,595	1,627	1,534	1,658	1.3	1.3	1.3	1.3	1.2	1.3
Mining and logging <sup>3</sup> .....	16	5	10	13	13	10	2.5	0.8	1.5	1.8	1.9	1.4
Construction.....	189	209	160	174	127	147	2.8	3.0	2.3	2.5	1.8	2.1
Manufacturing.....	99	105	100	106	101	110	0.8	0.8	0.8	0.8	0.8	0.9
Durable goods.....	56	58	57	54	56	66	0.7	0.8	0.7	0.7	0.7	0.8
Nondurable goods.....	43	46	43	52	44	44	0.9	1.0	0.9	1.1	0.9	0.9
Trade, transportation, and utilities.....	302	277	274	310	302	308	1.1	1.0	1.0	1.1	1.1	1.1
Wholesale trade <sup>3</sup> .....	43	30	34	31	30	53	0.7	0.5	0.6	0.5	0.5	0.9
Retail trade.....	163	176	174	207	171	170	1.0	1.1	1.1	1.3	1.1	1.1
Transportation, warehousing, and utilities.....	95	71	66	72	101	86	1.7	1.2	1.2	1.2	1.7	1.5
Information.....	26	37	33	21	29	28	0.9	1.3	1.2	0.8	1.1	1.0
Financial activities.....	49	45	76	44	42	40	0.6	0.5	0.9	0.5	0.5	0.5
Finance and insurance.....	30	19	54	27	24	23	0.5	0.3	0.9	0.4	0.4	0.4
Real estate and rental and leasing. . .	19	26	22	17	18	17	0.9	1.2	1.0	0.8	0.8	0.8
Professional and business services. . . .	385	411	376	387	394	428	1.9	2.0	1.8	1.9	1.9	2.1
Education and health services.....	130	154	170	168	149	207	0.6	0.7	0.7	0.7	0.6	0.9
Educational services.....	29	31	45	33	39	44	0.8	0.8	1.2	0.9	1.0	1.2
Health care and social assistance. . . .	101	123	125	136	111	163	0.5	0.6	0.6	0.7	0.6	0.8
Leisure and hospitality.....	273	347	295	318	273	296	1.7	2.2	1.8	2.0	1.7	1.8
Arts, entertainment, and recreation. . .	61	112	90	96	75	78	2.7	4.8	3.8	4.1	3.2	3.3
Accommodation and food services. . .	212	235	205	221	198	218	1.6	1.7	1.5	1.6	1.4	1.6
Other services.....	84	70	99	86	104	84	1.5	1.2	1.7	1.5	1.8	1.4
Government.....	106	103	117	108	121	104	0.5	0.5	0.5	0.5	0.5	0.5
Federal.....	14	11	13	13	12	12	0.5	0.4	0.5	0.5	0.4	0.4
State and local.....	92	92	104	95	109	92	0.5	0.5	0.5	0.5	0.6	0.5
State and local education.....	50	35	53	47	58	50	0.5	0.3	0.5	0.5	0.6	0.5
State and local, excluding education.....	42	57	51	48	51	42	0.5	0.6	0.6	0.5	0.6	0.5
<b>REGION<sup>4</sup></b>												
Northeast.....	317	379	306	331	287	343	1.2	1.4	1.1	1.2	1.1	1.3
South.....	583	656	632	709	678	683	1.1	1.2	1.2	1.3	1.3	1.3
Midwest.....	411	349	397	345	336	363	1.3	1.1	1.2	1.1	1.0	1.1
West.....	348	378	377	350	353	373	1.0	1.1	1.1	1.0	1.0	1.1

<sup>1</sup> Layoffs and discharges are the number of layoffs and discharges during the entire month.

<sup>2</sup> The layoffs and discharges rate is the number of layoffs and discharges during the entire month as a percent of total employment.

<sup>3</sup> No regular seasonal movements could be identified in this series; therefore, identical numbers appear for the unadjusted and seasonally adjusted series.

<sup>4</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

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NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates and the JOLTS seasonal adjustment factors.



**Table 6. Other separations levels and rates by industry and region, seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)						Rates <sup>2</sup>					
	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	396	327	336	325	318	375	0.3	0.2	0.2	0.2	0.2	0.3
<b>INDUSTRY</b>												
Total private.....	338	264	276	260	261	317	0.3	0.2	0.2	0.2	0.2	0.3
Mining and logging.....	3	2	2	1	1	2	0.5	0.2	0.2	0.2	0.2	0.2
Construction <sup>3</sup> .....	32	13	21	8	12	14	0.5	0.2	0.3	0.1	0.2	0.2
Manufacturing.....	24	22	19	24	19	28	0.2	0.2	0.2	0.2	0.2	0.2
Durable goods.....	13	14	11	15	12	17	0.2	0.2	0.1	0.2	0.2	0.2
Nondurable goods <sup>3</sup> .....	12	8	8	9	7	11	0.3	0.2	0.2	0.2	0.1	0.2
Trade, transportation, and utilities.....	60	80	74	77	66	88	0.2	0.3	0.3	0.3	0.2	0.3
Wholesale trade.....	8	4	6	6	13	11	0.1	0.1	0.1	0.1	0.2	0.2
Retail trade.....	39	59	53	57	39	65	0.2	0.4	0.3	0.4	0.2	0.4
Transportation, warehousing, and utilities <sup>3</sup> .....	13	18	15	13	14	11	0.2	0.3	0.3	0.2	0.2	0.2
Information <sup>3</sup> .....	13	12	3	6	8	9	0.5	0.4	0.1	0.2	0.3	0.3
Financial activities.....	25	26	21	14	17	25	0.3	0.3	0.2	0.2	0.2	0.3
Finance and insurance.....	22	20	19	13	13	23	0.4	0.3	0.3	0.2	0.2	0.4
Real estate and rental and leasing <sup>3</sup> ...	3	6	1	1	3	2	0.1	0.3	0.1	0.0	0.1	0.1
Professional and business services....	71	29	59	58	39	41	0.4	0.1	0.3	0.3	0.2	0.2
Education and health services.....	68	46	47	41	55	66	0.3	0.2	0.2	0.2	0.2	0.3
Educational services <sup>3</sup> .....	6	2	8	2	7	6	0.2	0.1	0.2	0.1	0.2	0.2
Health care and social assistance <sup>3</sup> ...	63	44	39	39	48	60	0.3	0.2	0.2	0.2	0.2	0.3
Leisure and hospitality.....	27	28	26	22	32	36	0.2	0.2	0.2	0.1	0.2	0.2
Arts, entertainment, and recreation <sup>3</sup> ...	6	5	3	5	3	2	0.3	0.2	0.1	0.2	0.1	0.1
Accommodation and food services <sup>3</sup> ...	21	23	24	17	29	35	0.2	0.2	0.2	0.1	0.2	0.3
Other services <sup>3</sup> .....	14	6	4	9	13	7	0.2	0.1	0.1	0.2	0.2	0.1
Government.....	57	63	61	65	57	58	0.3	0.3	0.3	0.3	0.3	0.3
Federal.....	11	12	14	8	11	7	0.4	0.4	0.5	0.3	0.4	0.2
State and local.....	47	52	47	57	47	51	0.2	0.3	0.2	0.3	0.2	0.3
State and local education.....	24	26	25	24	25	24	0.2	0.2	0.2	0.2	0.2	0.2
State and local, excluding education.....	23	26	22	33	22	28	0.3	0.3	0.2	0.4	0.2	0.3
<b>REGION<sup>4</sup></b>												
Northeast.....	66	53	64	61	61	61	0.2	0.2	0.2	0.2	0.2	0.2
South.....	174	114	123	124	115	133	0.3	0.2	0.2	0.2	0.2	0.2
Midwest.....	68	79	70	66	70	75	0.2	0.2	0.2	0.2	0.2	0.2
West.....	89	80	79	74	72	107	0.3	0.2	0.2	0.2	0.2	0.3

<sup>1</sup> Other separations are the number of other separations during the entire month.

<sup>2</sup> The other separations rate is the number of other separations during the entire month as a percent of total employment.

<sup>3</sup> No regular seasonal movements could be identified in this series; therefore, identical numbers appear for the unadjusted and seasonally adjusted series.

<sup>4</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>p</sup> Preliminary

NOTE: Levels are rounded to the nearest thousand and rates are rounded to the nearest tenth. Levels and rates may round down to zero.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates and the JOLTS seasonal adjustment factors.

**Table 7. Job openings levels and rates by industry and region, not seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)			Rates <sup>2</sup>		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	5,392	5,222	6,252	3.6	3.4	4.1
<b>INDUSTRY</b>						
Total private.....	4,934	4,709	5,706	3.9	3.6	4.4
Mining and logging.....	23	20	21	3.5	2.7	2.9
Construction.....	159	149	250	2.4	2.1	3.6
Manufacturing.....	365	374	427	2.9	2.9	3.3
Durable goods.....	202	239	284	2.6	3.0	3.5
Nondurable goods.....	163	135	143	3.4	2.8	3.0
Trade, transportation, and utilities.....	855	994	1,164	3.0	3.4	4.1
Wholesale trade.....	186	188	218	3.1	3.1	3.6
Retail trade.....	483	614	640	3.0	3.6	3.9
Transportation, warehousing, and utilities.....	187	192	305	3.2	3.1	5.0
Information.....	80	103	124	2.8	3.6	4.3
Financial activities.....	409	323	372	4.7	3.7	4.2
Finance and insurance.....	270	244	284	4.2	3.7	4.3
Real estate and rental and leasing.....	140	79	88	6.2	3.4	3.9
Professional and business services.....	935	767	1,090	4.5	3.6	5.1
Education and health services.....	1,225	1,064	1,254	5.1	4.3	5.1
Educational services.....	84	84	120	2.4	2.1	3.2
Health care and social assistance.....	1,140	980	1,134	5.6	4.7	5.5
Leisure and hospitality.....	646	719	796	4.1	4.3	4.9
Arts, entertainment, and recreation.....	80	66	82	3.8	3.0	3.8
Accommodation and food services.....	567	653	713	4.1	4.6	5.1
Other services.....	237	196	210	4.0	3.3	3.5
Government.....	458	513	546	2.0	2.2	2.4
Federal.....	84	79	95	2.9	2.7	3.3
State and local.....	374	434	452	1.9	2.1	2.3
State and local education.....	126	154	161	1.2	1.4	1.5
State and local, excluding education.....	247	280	291	2.7	3.0	3.1
<b>REGION<sup>3</sup></b>						
Northeast.....	970	902	1,003	3.5	3.2	3.6
South.....	1,985	1,836	2,185	3.7	3.3	4.0
Midwest.....	1,204	1,255	1,524	3.7	3.7	4.5
West.....	1,233	1,228	1,540	3.6	3.5	4.4

<sup>1</sup> Job openings are the number of job openings on the last business day of the month.

<sup>2</sup> The job openings rate is the number of job openings on the last business day of the month as a percent of total employment plus job openings.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

p Preliminary

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 8. Hires levels and rates by industry and region, not seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)			Rates <sup>2</sup>		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	5,249	4,111	5,368	3.7	2.8	3.7
<b>INDUSTRY</b>						
Total private.....	4,939	3,899	5,070	4.1	3.1	4.1
Mining and logging.....	33	19	39	5.2	2.7	5.7
Construction.....	369	177	311	5.7	2.5	4.6
Manufacturing.....	323	228	381	2.6	1.8	3.1
Durable goods.....	184	136	240	2.4	1.7	3.1
Nondurable goods.....	138	92	141	3.0	1.9	3.0
Trade, transportation, and utilities.....	881	872	915	3.2	3.1	3.3
Wholesale trade.....	158	107	170	2.7	1.8	2.9
Retail trade.....	533	512	555	3.4	3.1	3.5
Transportation, warehousing, and utilities.....	190	253	189	3.4	4.2	3.3
Information.....	94	67	97	3.4	2.4	3.5
Financial activities.....	253	133	213	3.0	1.6	2.5
Finance and insurance.....	176	90	140	2.8	1.4	2.2
Real estate and rental and leasing.....	78	42	73	3.7	1.9	3.4
Professional and business services.....	1,223	1,018	1,297	6.2	4.9	6.4
Education and health services.....	675	478	731	3.0	2.0	3.1
Educational services.....	78	55	107	2.2	1.4	3.0
Health care and social assistance.....	596	423	624	3.1	2.1	3.2
Leisure and hospitality.....	856	748	890	5.7	4.7	5.8
Arts, entertainment, and recreation.....	112	102	121	5.5	4.7	5.8
Accommodation and food services.....	745	646	769	5.7	4.7	5.8
Other services.....	231	159	195	4.1	2.7	3.4
Government.....	310	212	298	1.4	0.9	1.3
Federal.....	42	24	35	1.5	0.8	1.2
State and local.....	268	188	263	1.4	0.9	1.4
State and local education.....	145	88	143	1.4	0.8	1.4
State and local, excluding education.....	122	101	120	1.4	1.1	1.3
<b>REGION<sup>3</sup></b>						
Northeast.....	816	588	752	3.1	2.2	2.8
South.....	2,130	1,687	2,325	4.1	3.1	4.4
Midwest.....	1,136	875	1,118	3.6	2.7	3.5
West.....	1,167	962	1,174	3.5	2.8	3.5

<sup>1</sup> Hires are the number of hires during the entire month.

<sup>2</sup> The hires rate is the number of hires during the entire month as a percent of total employment.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

p Preliminary

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 9. Total separations levels and rates by industry and region, not seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)			Rates <sup>2</sup>		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	5,727	5,061	5,905	4.0	3.4	4.1
<b>INDUSTRY</b>						
Total private.....	5,400	4,748	5,595	4.5	3.8	4.5
Mining and logging.....	34	28	34	5.3	4.0	4.9
Construction.....	402	303	351	6.2	4.3	5.2
Manufacturing.....	290	283	351	2.4	2.3	2.8
Durable goods.....	169	154	214	2.2	2.0	2.8
Nondurable goods.....	121	129	136	2.6	2.7	2.9
Trade, transportation, and utilities.....	1,384	1,096	1,422	5.1	3.9	5.2
Wholesale trade.....	160	123	166	2.7	2.1	2.8
Retail trade.....	860	713	899	5.4	4.4	5.7
Transportation, warehousing, and utilities.....	364	260	357	6.5	4.3	6.2
Information.....	103	82	111	3.7	3.0	4.0
Financial activities.....	228	156	208	2.7	1.8	2.5
Finance and insurance.....	157	108	139	2.5	1.7	2.2
Real estate and rental and leasing.....	71	48	69	3.4	2.2	3.2
Professional and business services.....	1,179	1,201	1,258	5.9	5.8	6.2
Education and health services.....	647	542	702	2.8	2.3	3.0
Educational services.....	71	75	93	2.0	2.0	2.6
Health care and social assistance.....	576	467	609	3.0	2.4	3.1
Leisure and hospitality.....	918	862	970	6.1	5.4	6.3
Arts, entertainment, and recreation.....	102	110	121	5.0	5.1	5.8
Accommodation and food services.....	816	751	850	6.2	5.5	6.4
Other services.....	214	196	188	3.8	3.4	3.3
Government.....	327	313	310	1.5	1.4	1.4
Federal.....	70	34	55	2.5	1.2	2.0
State and local.....	257	279	255	1.3	1.4	1.3
State and local education.....	122	138	124	1.2	1.3	1.2
State and local, excluding education.....	136	141	131	1.5	1.6	1.5
<b>REGION<sup>3</sup></b>						
Northeast.....	932	785	958	3.5	2.9	3.6
South.....	2,139	1,925	2,322	4.1	3.5	4.4
Midwest.....	1,353	1,147	1,294	4.3	3.5	4.0
West.....	1,303	1,203	1,331	4.0	3.5	4.0

<sup>1</sup> Total separations are the number of total separations during the entire month.

<sup>2</sup> The total separations rate is the number of total separations during the entire month as a percent of total employment.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

p Preliminary

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 10. Quits levels and rates by industry and region, not seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)			Rates <sup>2</sup>		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	3,146	2,930	3,237	2.2	2.0	2.2
<b>INDUSTRY</b>						
Total private.....	2,989	2,793	3,092	2.5	2.2	2.5
Mining and logging.....	12	14	21	1.9	2.0	3.1
Construction.....	133	116	153	2.1	1.7	2.3
Manufacturing.....	157	160	199	1.3	1.3	1.6
Durable goods.....	89	88	116	1.2	1.1	1.5
Nondurable goods.....	67	72	82	1.5	1.5	1.8
Trade, transportation, and utilities.....	695	631	694	2.5	2.2	2.5
Wholesale trade.....	104	81	97	1.8	1.4	1.6
Retail trade.....	506	442	501	3.2	2.7	3.2
Transportation, warehousing, and utilities.....	86	108	97	1.5	1.8	1.7
Information.....	48	48	57	1.7	1.7	2.1
Financial activities.....	126	99	117	1.5	1.2	1.4
Finance and insurance.....	87	69	75	1.4	1.1	1.2
Real estate and rental and leasing.....	40	30	42	1.9	1.4	1.9
Professional and business services.....	637	711	689	3.2	3.4	3.4
Education and health services.....	445	352	422	2.0	1.5	1.8
Educational services.....	40	36	48	1.2	0.9	1.3
Health care and social assistance.....	405	316	374	2.1	1.6	1.9
Leisure and hospitality.....	613	577	637	4.1	3.6	4.1
Arts, entertainment, and recreation.....	52	46	63	2.6	2.1	3.0
Accommodation and food services.....	561	531	574	4.3	3.9	4.3
Other services.....	123	87	103	2.2	1.5	1.8
Government.....	157	137	145	0.7	0.6	0.7
Federal.....	17	11	12	0.6	0.4	0.4
State and local.....	140	126	134	0.7	0.6	0.7
State and local education.....	64	59	66	0.6	0.5	0.6
State and local, excluding education.....	76	67	68	0.9	0.7	0.8
<b>REGION<sup>3</sup></b>						
Northeast.....	449	386	447	1.7	1.4	1.7
South.....	1,223	1,115	1,330	2.3	2.1	2.5
Midwest.....	696	670	701	2.2	2.0	2.2
West.....	777	759	760	2.4	2.2	2.3

<sup>1</sup> Quits are the number of quits during the entire month.

<sup>2</sup> The quits rate is the number of quits during the entire month as a percent of total employment.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

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NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 11. Layoffs and discharges levels and rates by industry and region, not seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)			Rates <sup>2</sup>		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	2,121	1,817	2,218	1.5	1.2	1.5
<b>INDUSTRY</b>						
Total private.....	2,017	1,696	2,118	1.7	1.3	1.7
Mining and logging.....	16	13	10	2.6	1.8	1.4
Construction.....	236	175	184	3.7	2.5	2.7
Manufacturing.....	105	104	118	0.9	0.8	0.9
Durable goods.....	63	54	75	0.8	0.7	1.0
Nondurable goods.....	42	50	43	0.9	1.1	0.9
Trade, transportation, and utilities.....	608	406	609	2.2	1.4	2.2
Wholesale trade.....	43	30	53	0.7	0.5	0.9
Retail trade.....	299	238	307	1.9	1.5	1.9
Transportation, warehousing, and utilities.....	266	138	249	4.7	2.3	4.3
Information.....	42	27	44	1.5	1.0	1.6
Financial activities.....	67	40	55	0.8	0.5	0.7
Finance and insurance.....	38	26	30	0.6	0.4	0.5
Real estate and rental and leasing.....	29	15	26	1.3	0.7	1.2
Professional and business services.....	452	448	509	2.3	2.2	2.5
Education and health services.....	134	135	214	0.6	0.6	0.9
Educational services.....	25	32	40	0.7	0.8	1.1
Health care and social assistance.....	108	103	175	0.6	0.5	0.9
Leisure and hospitality.....	279	253	297	1.8	1.6	1.9
Arts, entertainment, and recreation.....	45	61	56	2.2	2.8	2.7
Accommodation and food services.....	234	191	241	1.8	1.4	1.8
Other services.....	78	96	78	1.4	1.7	1.4
Government.....	105	120	100	0.5	0.5	0.5
Federal.....	35	11	31	1.2	0.4	1.1
State and local.....	70	109	69	0.4	0.5	0.4
State and local education.....	39	62	40	0.4	0.6	0.4
State and local, excluding education.....	31	47	29	0.3	0.5	0.3
<b>REGION<sup>3</sup></b>						
Northeast.....	404	344	434	1.5	1.3	1.6
South.....	723	688	835	1.4	1.3	1.6
Midwest.....	561	411	491	1.8	1.3	1.5
West.....	433	373	458	1.3	1.1	1.4

<sup>1</sup> Layoffs and discharges are the number of layoffs and discharges during the entire month.

<sup>2</sup> The layoffs and discharges rate is the number of layoffs and discharges during the entire month as a percent of total employment.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

p Preliminary

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 12. Other separations levels and rates by industry and region, not seasonally adjusted<sup>1</sup>**

Industry and region	Levels (in thousands)			Rates <sup>2</sup>		
	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>	Jan. 2017	Dec. 2017	Jan. 2018 <sup>p</sup>
Total.....	460	314	449	0.3	0.2	0.3
<b>INDUSTRY</b>						
Total private.....	394	258	385	0.3	0.2	0.3
Mining and logging.....	5	1	3	0.8	0.2	0.4
Construction.....	32	12	14	0.5	0.2	0.2
Manufacturing.....	29	19	34	0.2	0.2	0.3
Durable goods.....	17	12	23	0.2	0.2	0.3
Nondurable goods.....	12	7	11	0.3	0.1	0.2
Trade, transportation, and utilities.....	81	60	119	0.3	0.2	0.4
Wholesale trade.....	13	12	17	0.2	0.2	0.3
Retail trade.....	56	33	90	0.4	0.2	0.6
Transportation, warehousing, and utilities.....	13	14	11	0.2	0.2	0.2
Information.....	13	8	9	0.5	0.3	0.3
Financial activities.....	35	16	37	0.4	0.2	0.4
Finance and insurance.....	32	13	35	0.5	0.2	0.6
Real estate and rental and leasing.....	3	3	2	0.1	0.1	0.1
Professional and business services.....	90	41	60	0.5	0.2	0.3
Education and health services.....	68	55	66	0.3	0.2	0.3
Educational services.....	6	7	6	0.2	0.2	0.2
Health care and social assistance.....	63	48	60	0.3	0.2	0.3
Leisure and hospitality.....	27	32	36	0.2	0.2	0.2
Arts, entertainment, and recreation.....	6	3	2	0.3	0.1	0.1
Accommodation and food services.....	21	29	35	0.2	0.2	0.3
Other services.....	14	13	7	0.2	0.2	0.1
Government.....	66	56	64	0.3	0.2	0.3
Federal.....	18	12	12	0.6	0.4	0.4
State and local.....	48	44	53	0.2	0.2	0.3
State and local education.....	19	17	19	0.2	0.2	0.2
State and local, excluding education.....	29	27	34	0.3	0.3	0.4
<b>REGION<sup>3</sup></b>						
Northeast.....	79	54	75	0.3	0.2	0.3
South.....	193	122	159	0.4	0.2	0.3
Midwest.....	95	67	102	0.3	0.2	0.3
West.....	92	71	114	0.3	0.2	0.3

<sup>1</sup> Other separations are the number of other separations during the entire month.

<sup>2</sup> The other separations rate is the number of other separations during the entire month as a percent of total employment.

<sup>3</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>p</sup> Preliminary

NOTE: Levels are rounded to the nearest thousand and rates are rounded to the nearest tenth. Levels and rates may round down to zero.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 13. Annual hires levels by industry and region, not seasonally adjusted<sup>1</sup>**  
[in thousands]

Industry and region	2013	2014	2015	2016	2017
Total.....	54,297	58,629	62,027	63,240	65,259
<b>INDUSTRY</b>					
Total private.....	50,866	54,985	57,899	58,936	61,122
Mining and logging.....	354	398	300	290	377
Construction.....	3,868	3,754	3,931	4,041	4,438
Manufacturing.....	2,896	3,129	3,212	3,346	3,960
Durable goods.....	1,742	1,831	1,876	1,925	2,217
Nondurable goods.....	1,152	1,298	1,336	1,420	1,740
Trade, transportation, and utilities.....	11,142	12,805	13,005	12,744	12,587
Wholesale trade.....	1,427	1,747	1,662	1,660	1,677
Retail trade.....	7,794	8,844	9,015	8,677	8,424
Transportation, warehousing, and utilities.....	1,920	2,215	2,329	2,408	2,484
Information.....	842	894	954	961	943
Financial activities.....	2,412	2,315	2,366	2,350	2,481
Finance and insurance.....	1,585	1,513	1,588	1,549	1,622
Real estate and rental and leasing.....	827	806	776	798	856
Professional and business services.....	11,042	12,057	12,593	13,136	13,542
Education and health services.....	6,430	6,869	7,425	7,674	7,968
Educational services.....	903	988	1,058	1,111	1,106
Health care and social assistance.....	5,526	5,881	6,368	6,560	6,861
Leisure and hospitality.....	9,629	10,521	11,623	12,154	12,188
Arts, entertainment, and recreation.....	1,566	1,763	1,813	1,910	1,959
Accommodation and food services.....	8,064	8,757	9,810	10,245	10,228
Other services.....	2,250	2,236	2,489	2,243	2,643
Government.....	3,434	3,646	4,130	4,303	4,138
Federal.....	373	393	491	487	456
State and local.....	3,060	3,254	3,640	3,818	3,682
State and local education.....	1,565	1,545	1,809	1,867	1,798
State and local, excluding education.....	1,495	1,709	1,834	1,947	1,883
<b>REGION<sup>2</sup></b>					
Northeast.....	8,508	8,871	9,747	10,030	10,406
South.....	21,595	23,222	24,324	24,317	25,885
Midwest.....	11,882	13,089	13,846	14,187	14,308
West.....	12,315	13,446	14,110	14,701	14,663

<sup>1</sup> The annual hires level is the total number of hires during the entire year.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.



**Table 14. Annual hires rates by industry and region, not seasonally adjusted<sup>1</sup>**  
[percent]

Industry and region	2013	2014	2015	2016	2017
Total.....	39.8	42.2	43.7	43.8	44.5
<b>INDUSTRY</b>					
Total private.....	44.4	47.0	48.3	48.3	49.2
Mining and logging.....	41.0	44.7	36.9	43.4	55.6
Construction.....	66.1	61.0	60.8	60.1	63.8
Manufacturing.....	24.1	25.7	26.0	27.1	31.8
Durable goods.....	23.1	23.9	24.2	25.0	28.6
Nondurable goods.....	25.8	28.8	29.2	30.6	37.0
Trade, transportation, and utilities.....	43.1	48.5	48.4	46.8	45.8
Wholesale trade.....	24.9	30.1	28.4	28.3	28.4
Retail trade.....	51.7	57.6	57.8	54.8	53.1
Transportation, warehousing, and utilities.....	38.0	42.5	42.9	43.2	43.4
Information.....	31.1	32.8	34.7	34.4	33.7
Financial activities.....	30.6	29.0	29.1	28.4	29.3
Finance and insurance.....	26.9	25.5	26.3	25.2	25.9
Real estate and rental and leasing.....	41.4	39.4	37.2	37.3	39.1
Professional and business services.....	59.6	63.3	64.1	65.5	66.2
Education and health services.....	30.5	32.0	33.7	33.9	34.4
Educational services.....	26.9	28.9	30.5	31.1	30.1
Health care and social assistance.....	31.2	32.6	34.3	34.4	35.2
Leisure and hospitality.....	67.6	71.6	76.7	77.6	75.9
Arts, entertainment, and recreation.....	77.1	83.8	83.7	84.8	84.3
Accommodation and food services.....	66.0	69.5	75.5	76.4	74.5
Other services.....	41.0	40.2	44.3	39.4	45.8
Government.....	15.7	16.7	18.7	19.4	18.5
Federal.....	13.5	14.4	17.8	17.4	16.3
State and local.....	16.0	17.0	18.9	19.7	18.9
State and local education.....	15.4	15.1	17.6	18.1	17.3
State and local, excluding education.....	16.8	19.1	20.4	21.4	20.6
<b>REGION<sup>2</sup></b>					
Northeast.....	33.4	34.4	37.2	37.8	38.6
South.....	43.6	45.9	47.0	46.2	48.3
Midwest.....	38.7	42.1	43.8	44.4	44.1
West.....	40.1	42.6	43.6	44.4	43.5

<sup>1</sup> The annual hires rate is the number of hires during the entire year as a percent of annual average employment.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 15. Annual total separations levels by industry and region, not seasonally adjusted<sup>1</sup>**  
[in thousands]

Industry and region	2013	2014	2015	2016	2017
Total.....	51,937	55,596	59,296	60,896	63,031
<b>INDUSTRY</b>					
Total private.....	48,426	52,066	55,348	56,789	58,949
Mining and logging.....	335	363	452	391	324
Construction.....	3,644	3,436	3,593	3,900	4,180
Manufacturing.....	2,774	2,923	3,148	3,360	3,782
Durable goods.....	1,651	1,667	1,878	1,984	2,106
Nondurable goods.....	1,121	1,256	1,268	1,376	1,677
Trade, transportation, and utilities.....	10,572	12,193	12,599	12,322	12,372
Wholesale trade.....	1,369	1,665	1,646	1,631	1,612
Retail trade.....	7,388	8,559	8,833	8,477	8,413
Transportation, warehousing, and utilities.....	1,812	1,971	2,120	2,215	2,347
Information.....	805	880	925	914	979
Financial activities.....	2,333	2,201	2,218	2,165	2,328
Finance and insurance.....	1,545	1,455	1,479	1,422	1,532
Real estate and rental and leasing.....	790	747	739	745	798
Professional and business services.....	10,503	11,430	12,080	12,810	13,121
Education and health services.....	6,164	6,357	6,791	7,082	7,481
Educational services.....	860	890	981	1,018	1,007
Health care and social assistance.....	5,304	5,465	5,811	6,062	6,474
Leisure and hospitality.....	9,135	10,103	11,102	11,670	11,852
Arts, entertainment, and recreation.....	1,497	1,713	1,723	1,804	1,905
Accommodation and food services.....	7,638	8,389	9,381	9,863	9,946
Other services.....	2,163	2,180	2,435	2,176	2,529
Government.....	3,510	3,533	3,947	4,109	4,082
Federal.....	439	382	454	458	468
State and local.....	3,073	3,151	3,492	3,651	3,612
State and local education.....	1,573	1,489	1,723	1,782	1,735
State and local, excluding education.....	1,501	1,664	1,769	1,868	1,879
<b>REGION<sup>2</sup></b>					
Northeast.....	8,471	8,734	9,324	9,661	10,056
South.....	20,349	21,937	23,416	23,540	24,995
Midwest.....	11,157	12,245	12,922	13,507	13,755
West.....	11,960	12,682	13,633	14,186	14,226

<sup>1</sup> The annual total separations level is the total number of total separations during the entire year.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 16. Annual total separations rates by industry and region, not seasonally adjusted<sup>1</sup>**  
[percent]

Industry and region	2013	2014	2015	2016	2017
Total.....	38.1	40.0	41.8	42.2	43.0
<b>INDUSTRY</b>					
Total private.....	42.3	44.5	46.2	46.5	47.4
Mining and logging.....	38.8	40.7	55.6	58.5	47.8
Construction.....	62.2	55.9	55.6	58.0	60.1
Manufacturing.....	23.1	24.0	25.5	27.2	30.4
Durable goods.....	21.9	21.7	24.2	25.7	27.2
Nondurable goods.....	25.1	27.8	27.7	29.7	35.7
Trade, transportation, and utilities.....	40.9	46.2	46.9	45.2	45.0
Wholesale trade.....	23.9	28.6	28.1	27.8	27.3
Retail trade.....	49.0	55.7	56.6	53.6	53.0
Transportation, warehousing, and utilities.....	35.9	37.8	39.1	39.8	41.0
Information.....	29.7	32.3	33.6	32.7	35.0
Financial activities.....	29.6	27.6	27.3	26.1	27.5
Finance and insurance.....	26.2	24.5	24.5	23.1	24.4
Real estate and rental and leasing.....	39.5	36.5	35.4	34.8	36.5
Professional and business services.....	56.7	60.0	61.5	63.9	64.1
Education and health services.....	29.2	29.7	30.8	31.3	32.3
Educational services.....	25.6	26.0	28.3	28.5	27.4
Health care and social assistance.....	29.9	30.3	31.3	31.8	33.2
Leisure and hospitality.....	64.1	68.7	73.2	74.5	73.8
Arts, entertainment, and recreation.....	73.7	81.5	79.5	80.1	82.0
Accommodation and food services.....	62.5	66.6	72.2	73.6	72.5
Other services.....	39.4	39.2	43.3	38.2	43.8
Government.....	16.1	16.1	17.9	18.5	18.3
Federal.....	15.9	14.0	16.5	16.4	16.7
State and local.....	16.1	16.5	18.1	18.8	18.5
State and local education.....	15.5	14.6	16.8	17.2	16.7
State and local, excluding education.....	16.8	18.6	19.7	20.5	20.6
<b>REGION<sup>2</sup></b>					
Northeast.....	33.3	33.9	35.6	36.4	37.3
South.....	41.1	43.4	45.3	44.7	46.7
Midwest.....	36.4	39.4	40.9	42.2	42.4
West.....	38.9	40.2	42.1	42.8	42.2

<sup>1</sup> The annual total separations rate is the number of total separations during the entire year as a percent of annual average employment.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 17. Annual quits levels by industry and region, not seasonally adjusted<sup>1</sup>**  
[in thousands]

Industry and region	2013	2014	2015	2016	2017
Total.....	27,715	30,590	33,732	36,339	38,180
<b>INDUSTRY</b>					
Total private.....	26,142	28,900	31,847	34,293	36,145
Mining and logging.....	170	186	177	162	176
Construction.....	1,189	1,307	1,366	1,495	1,821
Manufacturing.....	1,316	1,449	1,637	1,792	2,296
Durable goods.....	744	800	936	1,004	1,260
Nondurable goods.....	572	648	700	789	1,037
Trade, transportation, and utilities.....	6,047	7,019	7,534	7,737	7,890
Wholesale trade.....	713	906	934	1,009	1,031
Retail trade.....	4,459	5,153	5,485	5,575	5,617
Transportation, warehousing, and utilities.....	875	961	1,114	1,156	1,242
Information.....	428	488	503	487	534
Financial activities.....	1,184	1,155	1,211	1,209	1,370
Finance and insurance.....	794	749	817	804	916
Real estate and rental and leasing.....	389	411	393	406	458
Professional and business services.....	5,280	5,616	6,280	7,330	7,710
Education and health services.....	3,653	3,856	4,510	4,704	4,983
Educational services.....	393	449	529	562	557
Health care and social assistance.....	3,260	3,406	3,981	4,142	4,426
Leisure and hospitality.....	5,708	6,551	7,276	8,084	7,933
Arts, entertainment, and recreation.....	576	624	658	853	781
Accommodation and food services.....	5,130	5,929	6,615	7,232	7,155
Other services.....	1,169	1,271	1,351	1,295	1,429
Government.....	1,575	1,687	1,883	2,047	2,034
Federal.....	136	123	150	162	189
State and local.....	1,440	1,566	1,730	1,884	1,845
State and local education.....	746	752	867	915	908
State and local, excluding education.....	693	813	863	967	939
<b>REGION<sup>2</sup></b>					
Northeast.....	3,865	4,165	4,752	5,005	5,310
South.....	11,532	12,760	13,994	14,630	15,587
Midwest.....	6,233	6,821	7,423	8,080	8,282
West.....	6,089	6,843	7,564	8,626	8,997

<sup>1</sup> The annual quits level is the total number of quits during the entire year.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 18. Annual quits rates by industry and region, not seasonally adjusted<sup>1</sup>**  
[percent]

Industry and region	2013	2014	2015	2016	2017
Total.....	20.3	22.0	23.8	25.2	26.0
<b>INDUSTRY</b>					
Total private.....	22.8	24.7	26.6	28.1	29.1
Mining and logging.....	19.7	20.9	21.8	24.3	26.0
Construction.....	20.3	21.2	21.1	22.2	26.2
Manufacturing.....	10.9	11.9	13.3	14.5	18.5
Durable goods.....	9.9	10.4	12.1	13.0	16.3
Nondurable goods.....	12.8	14.4	15.3	17.0	22.0
Trade, transportation, and utilities.....	23.4	26.6	28.0	28.4	28.7
Wholesale trade.....	12.4	15.6	16.0	17.2	17.5
Retail trade.....	29.6	33.6	35.1	35.2	35.4
Transportation, warehousing, and utilities.....	17.3	18.4	20.5	20.8	21.7
Information.....	15.8	17.9	18.3	17.4	19.1
Financial activities.....	15.0	14.5	14.9	14.6	16.2
Finance and insurance.....	13.5	12.6	13.5	13.1	14.6
Real estate and rental and leasing.....	19.5	20.1	18.8	19.0	20.9
Professional and business services.....	28.5	29.5	32.0	36.6	37.7
Education and health services.....	17.3	18.0	20.5	20.8	21.5
Educational services.....	11.7	13.1	15.2	15.7	15.2
Health care and social assistance.....	18.4	18.9	21.5	21.7	22.7
Leisure and hospitality.....	40.0	44.6	48.0	51.6	49.4
Arts, entertainment, and recreation.....	28.4	29.7	30.4	37.9	33.6
Accommodation and food services.....	42.0	47.1	50.9	53.9	52.1
Other services.....	21.3	22.8	24.0	22.8	24.7
Government.....	7.2	7.7	8.5	9.2	9.1
Federal.....	4.9	4.5	5.4	5.8	6.7
State and local.....	7.5	8.2	9.0	9.7	9.5
State and local education.....	7.3	7.4	8.4	8.9	8.7
State and local, excluding education.....	7.8	9.1	9.6	10.6	10.3
<b>REGION<sup>2</sup></b>					
Northeast.....	15.2	16.2	18.1	18.8	19.7
South.....	23.3	25.2	27.1	27.8	29.1
Midwest.....	20.3	21.9	23.5	25.3	25.5
West.....	19.8	21.7	23.4	26.0	26.7

<sup>1</sup> The annual quits rate is the number of quits during the entire year as a percent of annual average employment.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 19. Annual layoffs and discharges levels by industry and region, not seasonally adjusted<sup>1</sup>**  
[in thousands]

Industry and region	2013	2014	2015	2016	2017
Total.....	19,889	20,402	20,963	20,152	20,676
<b>INDUSTRY</b>					
Total private.....	18,737	19,333	19,665	18,822	19,351
Mining and logging.....	140	139	241	175	119
Construction.....	2,327	1,984	2,077	2,221	2,180
Manufacturing.....	1,185	1,173	1,234	1,281	1,223
Durable goods.....	739	693	768	799	694
Nondurable goods.....	444	481	463	483	529
Trade, transportation, and utilities.....	3,550	3,899	3,836	3,468	3,565
Wholesale trade.....	524	619	583	488	462
Retail trade.....	2,310	2,469	2,438	2,128	2,160
Transportation, warehousing, and utilities.....	715	809	813	855	942
Information.....	302	307	305	295	339
Financial activities.....	722	673	700	663	655
Finance and insurance.....	406	401	416	378	363
Real estate and rental and leasing.....	316	271	284	284	291
Professional and business services.....	4,673	5,177	5,069	4,838	4,770
Education and health services.....	1,937	2,004	1,733	1,918	1,940
Educational services.....	405	383	380	390	385
Health care and social assistance.....	1,532	1,621	1,354	1,527	1,556
Leisure and hospitality.....	3,033	3,206	3,511	3,179	3,572
Arts, entertainment, and recreation.....	883	1,056	1,019	918	1,085
Accommodation and food services.....	2,152	2,150	2,492	2,262	2,488
Other services.....	868	770	960	790	987
Government.....	1,154	1,072	1,297	1,330	1,324
Federal.....	148	128	163	157	157
State and local.....	1,006	943	1,134	1,173	1,169
State and local education.....	505	455	559	581	536
State and local, excluding education.....	503	487	577	590	633
<b>REGION<sup>2</sup></b>					
Northeast.....	3,771	3,726	3,662	3,902	3,976
South.....	7,223	7,366	7,616	7,171	7,876
Midwest.....	4,036	4,461	4,619	4,516	4,604
West.....	4,860	4,852	5,063	4,564	4,222

<sup>1</sup> The annual layoffs and discharges level is the total number of layoffs and discharges during the entire year.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 20. Annual layoffs and discharges rates by industry and region, not seasonally adjusted<sup>1</sup>**  
[percent]

Industry and region	2013	2014	2015	2016	2017
Total.....	14.6	14.7	14.8	14.0	14.1
<b>INDUSTRY</b>					
Total private.....	16.4	16.5	16.4	15.4	15.6
Mining and logging.....	16.2	15.6	29.6	26.2	17.6
Construction.....	39.7	32.3	32.1	33.0	31.3
Manufacturing.....	9.9	9.6	10.0	10.4	9.8
Durable goods.....	9.8	9.0	9.9	10.4	9.0
Nondurable goods.....	9.9	10.7	10.1	10.4	11.2
Trade, transportation, and utilities.....	13.7	14.8	14.3	12.7	13.0
Wholesale trade.....	9.1	10.6	10.0	8.3	7.8
Retail trade.....	15.3	16.1	15.6	13.4	13.6
Transportation, warehousing, and utilities.....	14.2	15.5	15.0	15.3	16.5
Information.....	11.2	11.3	11.1	10.5	12.1
Financial activities.....	9.2	8.4	8.6	8.0	7.7
Finance and insurance.....	6.9	6.8	6.9	6.1	5.8
Real estate and rental and leasing.....	15.8	13.2	13.6	13.3	13.3
Professional and business services.....	25.2	27.2	25.8	24.1	23.3
Education and health services.....	9.2	9.3	7.9	8.5	8.4
Educational services.....	12.1	11.2	10.9	10.9	10.5
Health care and social assistance.....	8.6	9.0	7.3	8.0	8.0
Leisure and hospitality.....	21.3	21.8	23.2	20.3	22.3
Arts, entertainment, and recreation.....	43.5	50.2	47.0	40.8	46.7
Accommodation and food services.....	17.6	17.1	19.2	16.9	18.1
Other services.....	15.8	13.8	17.1	13.9	17.1
Government.....	5.3	4.9	5.9	6.0	5.9
Federal.....	5.3	4.7	5.9	5.6	5.6
State and local.....	5.3	4.9	5.9	6.0	6.0
State and local education.....	5.0	4.5	5.4	5.6	5.2
State and local, excluding education.....	5.6	5.4	6.4	6.5	6.9
<b>REGION<sup>2</sup></b>					
Northeast.....	14.8	14.5	14.0	14.7	14.8
South.....	14.6	14.6	14.7	13.6	14.7
Midwest.....	13.2	14.3	14.6	14.1	14.2
West.....	15.8	15.4	15.6	13.8	12.5

<sup>1</sup> The annual layoffs and discharges rate is the number of layoffs and discharges during the entire year as a percent of annual average employment.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.

**Table 21. Annual other separations levels by industry and region, not seasonally adjusted<sup>1</sup>**  
[in thousands]

Industry and region	2013	2014	2015	2016	2017
Total.....	4,328	4,604	4,604	4,405	4,175
<b>INDUSTRY</b>					
Total private.....	3,548	3,833	3,836	3,673	3,453
Mining and logging.....	27	37	34	56	30
Construction.....	128	142	150	184	175
Manufacturing.....	274	303	278	287	264
Durable goods.....	167	174	174	180	153
Nondurable goods.....	107	126	104	108	112
Trade, transportation, and utilities.....	975	1,275	1,229	1,117	919
Wholesale trade.....	132	138	129	137	118
Retail trade.....	622	938	910	773	633
Transportation, warehousing, and utilities.....	222	199	188	206	166
Information.....	75	89	119	133	107
Financial activities.....	429	370	309	292	302
Finance and insurance.....	346	309	245	239	251
Real estate and rental and leasing.....	82	65	62	53	48
Professional and business services.....	549	637	729	643	639
Education and health services.....	569	498	548	459	557
Educational services.....	60	60	70	64	63
Health care and social assistance.....	509	439	477	396	494
Leisure and hospitality.....	395	347	317	407	349
Arts, entertainment, and recreation.....	37	36	45	36	43
Accommodation and food services.....	354	309	272	373	305
Other services.....	128	136	124	89	114
Government.....	782	772	767	734	722
Federal.....	155	129	143	138	123
State and local.....	625	643	626	594	599
State and local education.....	323	280	296	285	292
State and local, excluding education.....	304	363	331	308	305
<b>REGION<sup>2</sup></b>					
Northeast.....	834	839	911	755	768
South.....	1,598	1,813	1,808	1,743	1,535
Midwest.....	891	962	880	909	867
West.....	1,010	991	1,008	996	1,007

<sup>1</sup> The annual other separations level is the total number of other separations during the entire year.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.



**Table 22. Annual other separations rates by industry and region, not seasonally adjusted<sup>1</sup>**  
 [percent]

Industry and region	2013	2014	2015	2016	2017
Total.....	3.2	3.3	3.2	3.1	2.8
<b>INDUSTRY</b>					
Total private.....	3.1	3.3	3.2	3.0	2.8
Mining and logging.....	3.1	4.2	4.2	8.4	4.4
Construction.....	2.2	2.3	2.3	2.7	2.5
Manufacturing.....	2.3	2.5	2.3	2.3	2.1
Durable goods.....	2.2	2.3	2.2	2.3	2.0
Nondurable goods.....	2.4	2.8	2.3	2.3	2.4
Trade, transportation, and utilities.....	3.8	4.8	4.6	4.1	3.3
Wholesale trade.....	2.3	2.4	2.2	2.3	2.0
Retail trade.....	4.1	6.1	5.8	4.9	4.0
Transportation, warehousing, and utilities.....	4.4	3.8	3.5	3.7	2.9
Information.....	2.8	3.3	4.3	4.8	3.8
Financial activities.....	5.4	4.6	3.8	3.5	3.6
Finance and insurance.....	5.9	5.2	4.1	3.9	4.0
Real estate and rental and leasing.....	4.1	3.2	3.0	2.5	2.2
Professional and business services.....	3.0	3.3	3.7	3.2	3.1
Education and health services.....	2.7	2.3	2.5	2.0	2.4
Educational services.....	1.8	1.8	2.0	1.8	1.7
Health care and social assistance.....	2.9	2.4	2.6	2.1	2.5
Leisure and hospitality.....	2.8	2.4	2.1	2.6	2.2
Arts, entertainment, and recreation.....	1.8	1.7	2.1	1.6	1.9
Accommodation and food services.....	2.9	2.5	2.1	2.8	2.2
Other services.....	2.3	2.4	2.2	1.6	2.0
Government.....	3.6	3.5	3.5	3.3	3.2
Federal.....	5.6	4.7	5.2	4.9	4.4
State and local.....	3.3	3.4	3.2	3.1	3.1
State and local education.....	3.2	2.7	2.9	2.8	2.8
State and local, excluding education.....	3.4	4.1	3.7	3.4	3.3
<b>REGION<sup>2</sup></b>					
Northeast.....	3.3	3.3	3.5	2.8	2.8
South.....	3.2	3.6	3.5	3.3	2.9
Midwest.....	2.9	3.1	2.8	2.8	2.7
West.....	3.3	3.1	3.1	3.0	3.0

<sup>1</sup> The annual other separations rate is the number of other separations during the entire year as a percent of annual average employment.

<sup>2</sup> The states (including the District of Columbia) that comprise the regions are: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data have been revised to incorporate the annual updates to the Current Employment Statistics employment estimates.