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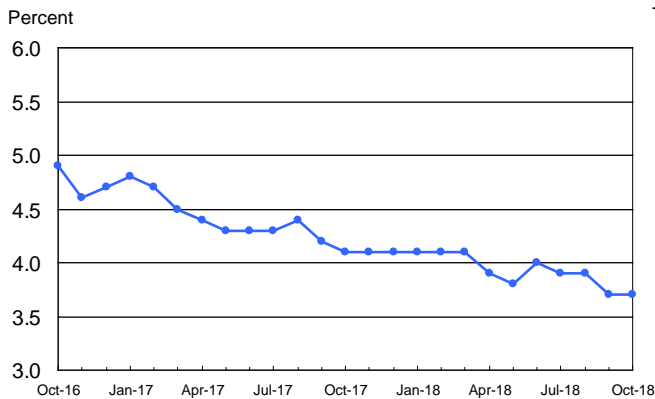
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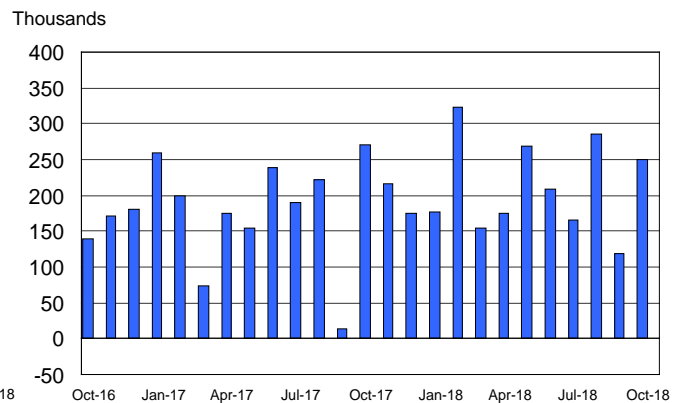
**THE EMPLOYMENT SITUATION — OCTOBER 2018**

Total **nonfarm payroll employment** rose by 250,000 in October, and the **unemployment rate** was unchanged at 3.7 percent, the U.S. Bureau of Labor Statistics reported today. Job gains occurred in health care, in manufacturing, in construction, and in transportation and warehousing.

**Chart 1. Unemployment rate, seasonally adjusted, October 2016 – October 2018**



**Chart 2. Nonfarm payroll employment over-the-month change, seasonally adjusted, October 2016 – October 2018**



**Hurricane Michael**

Hurricane Michael made landfall in the Florida Panhandle on October 10, 2018, during the reference periods for both the establishment and household surveys. Hurricane Michael had no discernible effect on the national employment and unemployment estimates for October, and response rates for the two surveys were within normal ranges. For information on how severe weather can affect employment and hours data, see Question 8 in the Frequently Asked Questions section of this news release.

BLS will release the state estimates of employment and unemployment on November 16, 2018, at 10:00 a.m. (EST).

## Household Survey Data

The **unemployment rate** remained at 3.7 percent in October, and the number of **unemployed persons** was little changed at 6.1 million. Over the year, the unemployment rate and the number of unemployed persons declined by 0.4 percentage point and 449,000, respectively. (See table A-1.)

Among the **major worker groups**, the unemployment rates for adult men (3.5 percent), adult women (3.4 percent), teenagers (11.9 percent), Whites (3.3 percent), Blacks (6.2 percent), Asians (3.2 percent), and Hispanics (4.4 percent) showed little or no change in October. (See tables A-1, A-2, and A-3.)

The number of **long-term unemployed** (those jobless for 27 weeks or more) was essentially unchanged at 1.4 million in October and accounted for 22.5 percent of the unemployed. (See table A-12.)

The **labor force participation rate** increased by 0.2 percentage point to 62.9 percent in October but has shown little change over the year. The **employment-population ratio** edged up by 0.2 percentage point to 60.6 percent in October and has increased by 0.4 percentage point over the year. (See table A-1.)

The number of persons employed **part time for economic reasons** (sometimes referred to as involuntary part-time workers) was essentially unchanged at 4.6 million in October. These individuals, who would have preferred full-time employment, were working part time because their hours had been reduced or they were unable to find full-time jobs. (See table A-8.)

In October, 1.5 million persons were **marginally attached to the labor force**, little changed from a year earlier. (Data are not seasonally adjusted.) These individuals were not in the labor force, wanted and were available for work, and had looked for a job sometime in the prior 12 months. They were not counted as unemployed because they had not searched for work in the 4 weeks preceding the survey. (See table A-16.)

Among the marginally attached, there were 506,000 **discouraged workers** in October, about unchanged from a year earlier. (Data are not seasonally adjusted.) Discouraged workers are persons not currently looking for work because they believe no jobs are available for them. The remaining 984,000 persons marginally attached to the labor force in October had not searched for work for reasons such as school attendance or family responsibilities. (See table A-16.)

## Establishment Survey Data

Total **nonfarm payroll employment** increased by 250,000 in October, following an average monthly gain of 211,000 over the prior 12 months. In October, job growth occurred in health care, in manufacturing, in construction, and in transportation and warehousing. (See table B-1.)

**Health care** added 36,000 jobs in October. Within the industry, employment growth occurred in hospitals (+13,000) and in nursing and residential care facilities (+8,000). Employment in ambulatory health care services continued to trend up (+14,000). Over the past 12 months, health care employment grew by 323,000.

In October, employment in **manufacturing** increased by 32,000. Most of the increase occurred in durable goods manufacturing, with a gain in transportation equipment (+10,000). Manufacturing has added 296,000 jobs over the year, largely in durable goods industries.

**Construction** employment rose by 30,000 in October, with nearly half of the gain occurring among residential specialty trade contractors (+14,000). Over the year, construction has added 330,000 jobs.

**Transportation and warehousing** added 25,000 jobs in October. Within the industry, employment growth occurred in couriers and messengers (+8,000) and in warehousing and storage (+8,000). Over the year, employment in transportation and warehousing has increased by 184,000.

Employment in **leisure and hospitality** edged up in October (+42,000). Employment was unchanged in September, likely reflecting the impact of Hurricane Florence. The average gain for the 2 months combined (+21,000) was the same as the average monthly gain in the industry for the 12-month period prior to September.

In October, employment in **professional and business services** continued to trend up (+35,000). Over the year, the industry has added 516,000 jobs.

Employment in **mining** also continued to trend up over the month (+5,000). The industry has added 65,000 jobs over the year, with most of the gain in support activities for mining.

Employment in other major industries—including **wholesale trade, retail trade, information, financial activities, and government**—showed little change over the month.

The **average workweek for all employees** on private nonfarm payrolls increased by 0.1 hour to 34.5 hours in October. In manufacturing, the workweek edged down by 0.1 hour to 40.8 hours, and overtime was unchanged at 3.5 hours. The average workweek for **production and nonsupervisory employees** on private nonfarm payrolls, at 33.7 hours, was unchanged over the month. (See tables B-2 and B-7.)

In October, **average hourly earnings for all employees** on private nonfarm payrolls rose by 5 cents to \$27.30. Over the year, average hourly earnings have increased by 83 cents, or 3.1 percent. Average hourly earnings of private-sector **production and nonsupervisory employees** increased by 7 cents to \$22.89 in October. (See tables B-3 and B-8.)

The change in total nonfarm payroll employment for September was revised down from +134,000 to +118,000, and the change for August was revised up from +270,000 to +286,000. The downward revision in September offset the upward revision in August. (Monthly revisions result from additional reports received from businesses and government agencies since the last published estimates and from the recalculation of seasonal factors.) After revisions, job gains have averaged 218,000 over the past 3 months.

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**The Employment Situation for November is scheduled to be released on Friday, December 7, 2018, at 8:30 a.m. (EST).**

# HOUSEHOLD DATA

## Summary table A. Household data, seasonally adjusted

[Numbers in thousands]

Category	Oct. 2017	Aug. 2018	Sept. 2018	Oct. 2018	Change from: Sept. 2018- Oct. 2018
<b>Employment status</b>					
Civilian noninstitutional population.....	255,766	258,066	258,290	258,514	224
Civilian labor force.....	160,371	161,776	161,926	162,637	711
Participation rate.....	62.7	62.7	62.7	62.9	0.2
Employed.....	153,846	155,542	155,962	156,562	600
Employment-population ratio.....	60.2	60.3	60.4	60.6	0.2
Unemployed.....	6,524	6,234	5,964	6,075	111
Unemployment rate.....	4.1	3.9	3.7	3.7	0.0
Not in labor force.....	95,395	96,290	96,364	95,877	-487
<b>Unemployment rates</b>					
Total, 16 years and over.....	4.1	3.9	3.7	3.7	0.0
Adult men (20 years and over).....	3.8	3.5	3.4	3.5	0.1
Adult women (20 years and over).....	3.6	3.6	3.3	3.4	0.1
Teenagers (16 to 19 years).....	13.7	12.8	12.8	11.9	-0.9
White.....	3.5	3.4	3.3	3.3	0.0
Black or African American.....	7.3	6.3	6.0	6.2	0.2
Asian.....	3.0	3.0	3.5	3.2	-0.3
Hispanic or Latino ethnicity.....	4.8	4.7	4.5	4.4	-0.1
Total, 25 years and over.....	3.3	3.2	3.0	3.1	0.1
Less than a high school diploma.....	6.1	5.7	5.5	6.0	0.5
High school graduates, no college.....	4.3	3.9	3.7	4.0	0.3
Some college or associate degree.....	3.6	3.5	3.2	3.0	-0.2
Bachelor's degree and higher.....	2.0	2.1	2.0	2.0	0.0
<b>Reason for unemployment</b>					
Job losers and persons who completed temporary jobs.....	3,214	2,875	2,796	2,850	54
Job leavers.....	731	862	730	726	-4
Reentrants.....	2,001	1,846	1,877	1,906	29
New entrants.....	626	584	586	606	20
<b>Duration of unemployment</b>					
Less than 5 weeks.....	2,128	2,208	2,065	2,057	-8
5 to 14 weeks.....	1,943	1,720	1,720	1,821	101
15 to 26 weeks.....	856	923	861	856	-5
27 weeks and over.....	1,645	1,332	1,384	1,373	-11
<b>Employed persons at work part time</b>					
Part time for economic reasons.....	4,880	4,379	4,642	4,621	-21
Slack work or business conditions.....	2,960	2,551	2,782	2,816	34
Could only find part-time work.....	1,615	1,365	1,447	1,436	-11
Part time for noneconomic reasons.....	20,897	21,781	21,464	21,512	48
<b>Persons not in the labor force (not seasonally adjusted)</b>					
Marginally attached to the labor force.....	1,535	1,443	1,577	1,491	-
Discouraged workers.....	524	434	383	506	-

- Over-the-month changes are not displayed for not seasonally adjusted data.

NOTE: Persons whose ethnicity is identified as Hispanic or Latino may be of any race. Detail for the seasonally adjusted data shown in this table will not necessarily add to totals because of the independent seasonal adjustment of the various series. Updated population controls are introduced annually with the release of January data.

**ESTABLISHMENT DATA**  
**Summary table B. Establishment data, seasonally adjusted**

Category	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>
<b>EMPLOYMENT BY SELECTED INDUSTRY</b> (Over-the-month change, in thousands)				
Total nonfarm.....	271	286	118	250
Total private.....	277	267	121	246
Goods-producing.....	38	49	42	67
Mining and logging.....	1	7	4	5
Construction.....	17	31	20	30
Manufacturing.....	20	11	18	32
Durable goods <sup>1</sup> .....	10	11	14	21
Motor vehicles and parts.....	-1.6	2.7	1.0	6.8
Nondurable goods.....	10	0	4	11
Private service-providing.....	239	218	79	179
Wholesale trade.....	7.5	20.6	3.3	9.1
Retail trade.....	6.5	9.1	-32.4	2.4
Transportation and warehousing.....	13.7	23.1	20.8	24.8
Utilities.....	0.0	0.9	0.1	1.2
Information.....	0	-4	-4	7
Financial activities.....	9	9	15	7
Professional and business services <sup>1</sup> .....	60	54	46	35
Temporary help services.....	19.8	10.8	7.6	3.3
Education and health services <sup>1</sup> .....	15	67	26	44
Health care and social assistance.....	35.7	52.5	34.9	46.7
Leisure and hospitality.....	110	30	0	42
Other services.....	17	8	4	7
Government.....	-6	19	-3	4
<b>(3-month average change, in thousands)</b>				
Total nonfarm.....	169	220	190	218
Total private.....	167	199	175	211
<b>WOMEN AND PRODUCTION AND NONSUPERVISORY EMPLOYEES</b> AS A PERCENT OF ALL EMPLOYEES <sup>2</sup>				
Total nonfarm women employees.....	49.5	49.7	49.7	49.7
Total private women employees.....	48.1	48.3	48.3	48.3
Total private production and nonsupervisory employees.....	82.4	82.4	82.4	82.4
<b>HOURS AND EARNINGS</b> ALL EMPLOYEES				
<b>Total private</b>				
Average weekly hours.....	34.4	34.5	34.4	34.5
Average hourly earnings.....	\$26.47	\$27.17	\$27.25	\$27.30
Average weekly earnings.....	\$910.57	\$937.37	\$937.40	\$941.85
Index of aggregate weekly hours (2007=100) <sup>3</sup> .....	107.8	110.0	109.7	110.3
Over-the-month percent change.....	0.5	0.3	-0.3	0.5
Index of aggregate weekly payrolls (2007=100) <sup>4</sup> .....	136.5	142.8	143.0	143.9
Over-the-month percent change.....	0.4	0.6	0.1	0.6
<b>DIFFUSION INDEX</b> (Over 1-month span) <sup>5</sup>				
Total private (258 industries).....	63.2	64.5	60.7	65.7
Manufacturing (76 industries).....	63.8	56.6	65.1	62.5

<sup>1</sup> Includes other industries, not shown separately.

<sup>2</sup> Data relate to production employees in mining and logging and manufacturing, construction employees in construction, and nonsupervisory employees in the service-providing industries.

<sup>3</sup> The indexes of aggregate weekly hours are calculated by dividing the current month's estimates of aggregate hours by the corresponding annual average aggregate hours.

<sup>4</sup> The indexes of aggregate weekly payrolls are calculated by dividing the current month's estimates of aggregate weekly payrolls by the corresponding annual average aggregate weekly payrolls.

<sup>5</sup> Figures are the percent of industries with employment increasing plus one-half of the industries with unchanged employment, where 50 percent indicates an equal balance between industries with increasing and decreasing employment.

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NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

# Frequently Asked Questions about Employment and Unemployment Estimates

## 1. Why are there two monthly measures of employment?

The household survey and establishment survey both produce sample-based estimates of employment, and both have strengths and limitations. The establishment survey employment series has a smaller margin of error on the measurement of month-to-month change than the household survey because of its much larger sample size. An over-the-month employment change of about 100,000 is statistically significant in the establishment survey, while the threshold for a statistically significant change in the household survey is about 500,000. However, the household survey has a more expansive scope than the establishment survey because it includes self-employed workers whose businesses are unincorporated, unpaid family workers, agricultural workers, and private household workers, who are excluded by the establishment survey. The household survey also provides estimates of employment for demographic groups. For more information on the differences between the two surveys, please visit [https://www.bls.gov/web/empsit/ces\\_cps\\_trends.htm](https://www.bls.gov/web/empsit/ces_cps_trends.htm).

## 2. Are undocumented immigrants counted in the surveys?

It is likely that both surveys include at least some undocumented immigrants. However, neither the establishment nor the household survey is designed to identify the legal status of workers. Therefore, it is not possible to determine how many are counted in either survey. The establishment survey does not collect data on the legal status of workers. The household survey does include questions which identify the foreign and native born, but it does not include questions about the legal status of the foreign born. Data on the foreign and native born are published each month in table A-7 of The Employment Situation news release.

## 3. Why does the establishment survey have revisions?

The establishment survey revises published estimates to improve its data series by incorporating additional information that was not available at the time of the initial publication of the estimates. The establishment survey revises its initial monthly estimates twice, in the immediately succeeding 2 months, to incorporate additional sample receipts from respondents in the survey and recalculated seasonal adjustment factors. For more information on the monthly revisions, please visit <https://www.bls.gov/ces/cesrevinfo.htm>.

On an annual basis, the establishment survey incorporates a benchmark revision that re-anchors estimates to nearly complete employment counts available from unemployment insurance tax records. The benchmark helps to control for sampling and modeling errors in the estimates. For more information on the annual benchmark revision, please visit <https://www.bls.gov/web/empsit/cesbmart.htm>.

## 4. Does the establishment survey sample include small firms?

Yes; about 40 percent of the establishment survey sample is comprised of business establishments with fewer than 20 employees. The establishment survey sample is designed to maximize the reliability of the statewide total nonfarm employment estimate; firms from all states, size classes, and industries are appropriately sampled to achieve that goal.

## **5. Does the establishment survey account for employment from new businesses?**

Yes; monthly establishment survey estimates include an adjustment to account for the net employment change generated by business births and deaths. The adjustment comes from an econometric model that forecasts the monthly net jobs impact of business births and deaths based on the actual past values of the net impact that can be observed with a lag from the Quarterly Census of Employment and Wages. The establishment survey uses modeling rather than sampling for this purpose because the survey is not immediately able to bring new businesses into the sample. There is an unavoidable lag between the birth of a new firm and its appearance on the sampling frame and availability for selection. BLS adds new businesses to the survey twice a year.

## **6. Is the count of unemployed persons limited to just those people receiving unemployment insurance benefits?**

No; the estimate of unemployment is based on a monthly sample survey of households. All persons who are without jobs and are actively seeking and available to work are included among the unemployed. (People on temporary layoff are included even if they do not actively seek work.) There is no requirement or question relating to unemployment insurance benefits in the monthly survey.

## **7. Does the official unemployment rate exclude people who want a job but are not currently looking for work?**

Yes; however, there are separate estimates of persons outside the labor force who want a job, including those who are not currently looking because they believe no jobs are available (discouraged workers). In addition, alternative measures of labor underutilization (some of which include discouraged workers and other groups not officially counted as unemployed) are published each month in table A-15 of The Employment Situation news release. For more information about these alternative measures, please visit <https://www.bls.gov/cps/lfcharacteristics.htm#altmeasures>.

## **8. How can unusually severe weather affect employment and hours estimates?**

In the establishment survey, the reference period is the pay period that includes the 12th of the month. Unusually severe weather is more likely to have an impact on average weekly hours than on employment. Average weekly hours are estimated for paid time during the pay period, including pay for holidays, sick leave, or other time off. The impact of severe weather on hours estimates typically, but not always, results in a reduction in average weekly hours. For example, some employees may be off work for part of the pay period and not receive pay for the time missed, while some workers, such as those dealing with cleanup or repair, may work extra hours.

Typically, it is not possible to precisely quantify the effect of extreme weather on payroll employment estimates. In order for severe weather conditions to reduce employment estimates, employees have to be off work without pay for the entire pay period. Employees who receive pay for any part of the pay period, even 1 hour, are counted in the payroll employment figures. For more information on how often employees are paid, please visit <https://www.bls.gov/opub/btn/volume-3/how-frequently-do-private-businesses-pay-workers.htm>.

In the household survey, the reference period is generally the calendar week that includes the 12th of the month. Persons who miss the entire week's work for weather-related events are counted as employed whether or not they are paid for the time off. The household survey collects data on the number of persons who had a job but were not at work due to bad weather. It also provides a measure of the number of persons who usually work full time but had reduced hours due to bad weather. Current and historical data are available on the household survey's most requested statistics page, please visit <https://data.bls.gov/cgi-bin/surveymost?ln>.

# Technical Note

This news release presents statistics from two major surveys, the Current Population Survey (CPS; household survey) and the Current Employment Statistics survey (CES; establishment survey). The household survey provides information on the labor force, employment, and unemployment that appears in the "A" tables, marked HOUSEHOLD DATA. It is a sample survey of about 60,000 eligible households conducted by the U.S. Census Bureau for the U.S. Bureau of Labor Statistics (BLS).

The establishment survey provides information on employment, hours, and earnings of employees on nonfarm payrolls; the data appear in the "B" tables, marked ESTABLISHMENT DATA. BLS collects these data each month from the payroll records of a sample of nonagricultural business establishments. Each month the CES program surveys about 149,000 businesses and government agencies, representing approximately 651,000 individual worksites, in order to provide detailed industry data on employment, hours, and earnings of workers on nonfarm payrolls. The active sample includes approximately one-third of all nonfarm payroll employees.

For both surveys, the data for a given month relate to a particular week or pay period. In the household survey, the reference period is generally the calendar week that contains the 12th day of the month. In the establishment survey, the reference period is the pay period including the 12th, which may or may not correspond directly to the calendar week.

## Coverage, definitions, and differences between surveys

**Household survey.** The sample is selected to reflect the entire civilian noninstitutional population. Based on responses to a series of questions on work and job search activities, each person 16 years and over in a sample household is classified as employed, unemployed, or not in the labor force.

People are classified as *employed* if they did any work at all as paid employees during the reference week; worked in their own business, profession, or on their own farm; or worked without pay at least 15 hours in a family business or farm. People are also counted as employed if they were temporarily absent from their jobs because of illness, bad weather, vacation, labor-management disputes, or personal reasons.

People are classified as *unemployed* if they meet all of the following criteria: they had no employment during the reference week; they were available for work at that time; and they made specific efforts to find employment sometime during the 4-week period ending with the reference week. Persons laid off from a job and expecting recall need not be looking for work to be counted as unemployed. The unemployment data derived from the household survey in no way depend upon the eligibility for or receipt of unemployment insurance benefits.

The *civilian labor force* is the sum of employed and unemployed persons. Those persons not classified as employed or unemployed are *not in the labor force*. The

*unemployment rate* is the number unemployed as a percent of the labor force. The *labor force participation rate* is the labor force as a percent of the population, and the *employment-population ratio* is the employed as a percent of the population. Additional information about the household survey can be found at <https://www.bls.gov/cps/documentation.htm>.

**Establishment survey.** The sample establishments are drawn from private nonfarm businesses such as factories, offices, and stores, as well as from federal, state, and local government entities. *Employees on nonfarm payrolls* are those who received pay for any part of the reference pay period, including persons on paid leave. Persons are counted in each job they hold. *Hours and earnings* data are produced for the private sector for all employees and for production and nonsupervisory employees. *Production and nonsupervisory* employees are defined as production and related employees in manufacturing and mining and logging, construction workers in construction, and non-supervisory employees in private service-providing industries.

Industries are classified on the basis of an establishment's principal activity in accordance with the 2017 version of the North American Industry Classification System. Additional information about the establishment survey can be found at <https://www.bls.gov/ces/>.

**Differences in employment estimates.** The numerous conceptual and methodological differences between the household and establishment surveys result in important distinctions in the employment estimates derived from the surveys. Among these are:

- The household survey includes agricultural workers, self-employed workers whose businesses are unincorporated, unpaid family workers, and private household workers among the employed. These groups are excluded from the establishment survey.
- The household survey includes people on unpaid leave among the employed. The establishment survey does not.
- The household survey is limited to workers 16 years of age and older. The establishment survey is not limited by age.
- The household survey has no duplication of individuals, because individuals are counted only once, even if they hold more than one job. In the establishment survey, employees working at more than one job and thus appearing on more than one payroll are counted separately for each appearance.



## Seasonal adjustment

Over the course of a year, the size of the nation's labor force and the levels of employment and unemployment undergo regularly occurring fluctuations. These events may result from seasonal changes in weather, major holidays, and the opening and closing of schools. The effect of such seasonal variation can be very large.

Because these seasonal events follow a more or less regular pattern each year, their influence on the level of a series can be tempered by adjusting for regular seasonal variation. These adjustments make nonseasonal developments, such as declines in employment or increases in the participation of women in the labor force, easier to spot. For example, in the household survey, the large number of youth entering the labor force each June is likely to obscure any other changes that have taken place relative to May, making it difficult to determine if the level of economic activity has risen or declined. Similarly, in the establishment survey, payroll employment in education declines by about 20 percent at the end of the spring term and later rises with the start of the fall term, obscuring the underlying employment trends in the industry. Because seasonal employment changes at the end and beginning of the school year can be estimated, the statistics can be adjusted to make underlying employment patterns more discernable. The seasonally adjusted figures provide a more useful tool with which to analyze changes in month-to-month economic activity.

Many seasonally adjusted series are independently adjusted in both the household and establishment surveys. However, the adjusted series for many major estimates, such as total payroll employment, employment in most major sectors, total employment, and unemployment are computed by aggregating independently adjusted component series. For example, total unemployment is derived by summing the adjusted series for four major age-sex components; this differs from the unemployment estimate that would be obtained by directly adjusting the total or by combining the duration, reasons, or more detailed age categories.

For both the household and establishment surveys, a concurrent seasonal adjustment methodology is used in which new seasonal factors are calculated each month using all relevant data, up to and including the data for the current month. In the household survey, new seasonal factors are used to adjust only the current month's data. In the establishment survey, however, new seasonal factors are used each month to adjust the three most recent monthly estimates. The prior 2 months are routinely revised to incorporate additional sample reports and recalculated seasonal adjustment factors. In both surveys, 5-year revisions to historical data are made once a year.

## Reliability of the estimates

Statistics based on the household and establishment surveys are subject to both sampling and nonsampling error. When a sample, rather than the entire population, is

surveyed, there is a chance that the sample estimates may differ from the true population values they represent. The component of this difference that occurs because samples differ by chance is known as *sampling error*, and its variability is measured by the standard error of the estimate. There is about 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. BLS analyses are generally conducted at the 90-percent level of confidence.

For example, the confidence interval for the monthly change in total nonfarm employment from the establishment survey is on the order of plus or minus 115,000. Suppose the estimate of nonfarm employment increases by 50,000 from one month to the next. The 90-percent confidence interval on the monthly change would range from -65,000 to +165,000 (50,000 +/- 115,000). These figures do not mean that the sample results are off by these magnitudes, but rather that there is about a 90-percent chance that the true over-the-month change lies within this interval. Since this range includes values of less than zero, we could not say with confidence that nonfarm employment had, in fact, increased that month. If, however, the reported nonfarm employment rise was 250,000, then all of the values within the 90-percent confidence interval would be greater than zero. In this case, it is likely (at least a 90-percent chance) that nonfarm employment had, in fact, risen that month. At an unemployment rate of around 6.0 percent, the 90-percent confidence interval for the monthly change in unemployment as measured by the household survey is about +/- 300,000, and for the monthly change in the unemployment rate it is about +/- 0.2 percentage point.

In general, estimates involving many individuals or establishments have lower standard errors (relative to the size of the estimate) than estimates which are based on a small number of observations. The precision of estimates also is improved when the data are cumulated over time, such as for quarterly and annual averages.

The household and establishment surveys are also affected by *nonsampling error*, which can occur for many reasons, including the failure to sample a segment of the population, inability to obtain information for all respondents in the sample, inability or unwillingness of respondents to provide correct information on a timely basis, mistakes made by respondents, and errors made in the collection or processing of the data.

For example, in the establishment survey, estimates for the most recent 2 months are based on incomplete returns; for this reason, these estimates are labeled preliminary in the tables. It is only after two successive revisions to a monthly estimate, when nearly all sample reports have been received, that the estimate is considered final.

Another major source of nonsampling error in the establishment survey is the inability to capture, on a timely basis, employment generated by new firms. To correct for this systematic underestimation of employment growth, an estimation procedure with two components is used to account for business births. The first component excludes employment losses from business deaths from sample-based

estimation in order to offset the missing employment gains from business births. This is incorporated into the sample-based estimation procedure by simply not reflecting sample units going out of business, but imputing to them the same employment trend as the other firms in the sample. This procedure accounts for most of the net birth/death employment.

The second component is an ARIMA time series model designed to estimate the residual net birth/death employment not accounted for by the imputation. The historical time series used to create and test the ARIMA model was derived from the unemployment insurance universe micro-level database, and reflects the actual residual net of births and deaths over the past 5 years.

The sample-based estimates from the establishment survey are adjusted once a year (on a lagged basis) to

universe counts of payroll employment obtained from administrative records of the unemployment insurance program. The difference between the March sample-based employment estimates and the March universe counts is known as a benchmark revision, and serves as a rough proxy for total survey error. The new benchmarks also incorporate changes in the classification of industries. Over the past decade, absolute benchmark revisions for total nonfarm employment have averaged 0.3 percent, with a range from -0.7 percent to 0.6 percent.

#### **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.

# HOUSEHOLD DATA

## Table A-1. Employment status of the civilian population by sex and age

[Numbers in thousands]

Employment status, sex, and age	Not seasonally adjusted			Seasonally adjusted <sup>1</sup>					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>TOTAL</b>									
Civilian noninstitutional population.....	255,766	258,290	258,514	255,766	257,642	257,843	258,066	258,290	258,514
Civilian labor force.....	160,465	161,958	162,723	160,371	162,140	162,245	161,776	161,926	162,637
Participation rate.....	62.7	62.7	62.9	62.7	62.9	62.9	62.7	62.7	62.9
Employed.....	154,223	156,191	156,952	153,846	155,576	155,965	155,542	155,962	156,562
Employment-population ratio.....	60.3	60.5	60.7	60.2	60.4	60.5	60.3	60.4	60.6
Unemployed.....	6,242	5,766	5,771	6,524	6,564	6,280	6,234	5,964	6,075
Unemployment rate.....	3.9	3.6	3.5	4.1	4.0	3.9	3.9	3.7	3.7
Not in labor force.....	95,301	96,332	95,792	95,395	95,502	95,598	96,290	96,364	95,877
Persons who currently want a job.....	4,938	5,070	5,048	5,232	5,258	5,163	5,389	5,237	5,309
<b>Men, 16 years and over</b>									
Civilian noninstitutional population.....	123,617	124,928	125,041	123,617	124,604	124,704	124,816	124,928	125,041
Civilian labor force.....	85,236	85,815	86,081	85,247	86,056	85,950	85,854	85,856	86,146
Participation rate.....	69.0	68.7	68.8	69.0	69.1	68.9	68.8	68.7	68.9
Employed.....	81,875	82,814	83,052	81,667	82,522	82,684	82,545	82,645	82,903
Employment-population ratio.....	66.2	66.3	66.4	66.1	66.2	66.3	66.1	66.2	66.3
Unemployed.....	3,362	3,002	3,029	3,580	3,534	3,266	3,309	3,211	3,243
Unemployment rate.....	3.9	3.5	3.5	4.2	4.1	3.8	3.9	3.7	3.8
Not in labor force.....	38,380	39,113	38,960	38,370	38,548	38,754	38,962	39,072	38,895
<b>Men, 20 years and over</b>									
Civilian noninstitutional population.....	115,120	116,437	116,546	115,120	116,115	116,220	116,328	116,437	116,546
Civilian labor force.....	82,455	83,115	83,332	82,366	83,115	83,058	83,030	83,063	83,286
Participation rate.....	71.6	71.4	71.5	71.5	71.6	71.5	71.4	71.3	71.5
Employed.....	79,530	80,458	80,637	79,248	80,013	80,240	80,134	80,225	80,405
Employment-population ratio.....	69.1	69.1	69.2	68.8	68.9	69.0	68.9	68.9	69.0
Unemployed.....	2,925	2,658	2,694	3,118	3,102	2,818	2,895	2,837	2,881
Unemployment rate.....	3.5	3.2	3.2	3.8	3.7	3.4	3.5	3.4	3.5
Not in labor force.....	32,665	33,322	33,215	32,755	33,001	33,162	33,298	33,374	33,260
<b>Women, 16 years and over</b>									
Civilian noninstitutional population.....	132,149	133,362	133,474	132,149	133,038	133,139	133,250	133,362	133,474
Civilian labor force.....	75,228	76,142	76,642	75,124	76,084	76,295	75,922	76,070	76,491
Participation rate.....	56.9	57.1	57.4	56.8	57.2	57.3	57.0	57.0	57.3
Employed.....	72,348	73,378	73,900	72,179	73,054	73,281	72,997	73,317	73,659
Employment-population ratio.....	54.7	55.0	55.4	54.6	54.9	55.0	54.8	55.0	55.2
Unemployed.....	2,880	2,765	2,742	2,945	3,030	3,013	2,925	2,753	2,832
Unemployment rate.....	3.8	3.6	3.6	3.9	4.0	3.9	3.9	3.6	3.7
Not in labor force.....	56,921	57,220	56,832	57,026	56,954	56,844	57,328	57,292	56,983
<b>Women, 20 years and over</b>									
Civilian noninstitutional population.....	123,882	125,091	125,200	123,882	124,771	124,875	124,983	125,091	125,200
Civilian labor force.....	72,443	73,280	73,683	72,187	73,139	73,285	73,154	73,039	73,391
Participation rate.....	58.5	58.6	58.9	58.3	58.6	58.7	58.5	58.4	58.6
Employed.....	69,872	70,858	71,270	69,576	70,419	70,598	70,529	70,656	70,909
Employment-population ratio.....	56.4	56.6	56.9	56.2	56.4	56.5	56.4	56.5	56.6
Unemployed.....	2,571	2,422	2,412	2,611	2,720	2,687	2,625	2,383	2,482
Unemployment rate.....	3.5	3.3	3.3	3.6	3.7	3.7	3.6	3.3	3.4
Not in labor force.....	51,440	51,811	51,517	51,696	51,633	51,590	51,829	52,052	51,809
<b>Both sexes, 16 to 19 years</b>									
Civilian noninstitutional population.....	16,763	16,762	16,768	16,763	16,755	16,748	16,755	16,762	16,768
Civilian labor force.....	5,567	5,562	5,708	5,818	5,886	5,902	5,592	5,824	5,960
Participation rate.....	33.2	33.2	34.0	34.7	35.1	35.2	33.4	34.7	35.5
Employed.....	4,821	4,876	5,045	5,022	5,144	5,127	4,879	5,081	5,248
Employment-population ratio.....	28.8	29.1	30.1	30.0	30.7	30.6	29.1	30.3	31.3
Unemployed.....	746	686	664	796	743	775	714	743	712
Unemployment rate.....	13.4	12.3	11.6	13.7	12.6	13.1	12.8	12.8	11.9
Not in labor force.....	11,196	11,199	11,060	10,945	10,869	10,846	11,163	10,938	10,808

<sup>1</sup> The population figures are not adjusted for seasonal variation; therefore, identical numbers appear in the unadjusted and seasonally adjusted columns.

NOTE: Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-2. Employment status of the civilian population by race, sex, and age**

[Numbers in thousands]

Employment status, race, sex, and age	Not seasonally adjusted			Seasonally adjusted <sup>1</sup>					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>WHITE</b>									
Civilian noninstitutional population.....	199,298	200,476	200,596	199,298	200,132	200,236	200,356	200,476	200,596
Civilian labor force.....	124,777	125,413	126,018	124,757	125,784	125,720	125,306	125,483	126,027
Participation rate.....	62.6	62.6	62.8	62.6	62.9	62.8	62.5	62.6	62.8
Employed.....	120,692	121,500	122,170	120,400	121,347	121,506	121,027	121,398	121,904
Employment-population ratio.....	60.6	60.6	60.9	60.4	60.6	60.7	60.4	60.6	60.8
Unemployed.....	4,085	3,913	3,848	4,356	4,437	4,214	4,279	4,085	4,123
Unemployment rate.....	3.3	3.1	3.1	3.5	3.5	3.4	3.4	3.3	3.3
Not in labor force.....	74,520	75,063	74,578	74,541	74,348	74,517	75,049	74,993	74,569
<b>Men, 20 years and over</b>									
Civilian labor force.....	65,318	65,625	65,737	65,244	65,855	65,614	65,505	65,611	65,724
Participation rate.....	71.7	71.5	71.6	71.6	71.9	71.6	71.4	71.5	71.5
Employed.....	63,380	63,796	63,933	63,155	63,695	63,690	63,486	63,629	63,760
Employment-population ratio.....	69.6	69.5	69.6	69.3	69.5	69.5	69.2	69.3	69.4
Unemployed.....	1,937	1,829	1,803	2,090	2,159	1,924	2,019	1,982	1,964
Unemployment rate.....	3.0	2.8	2.7	3.2	3.3	2.9	3.1	3.0	3.0
<b>Women, 20 years and over</b>									
Civilian labor force.....	55,149	55,404	55,941	55,014	55,420	55,534	55,351	55,297	55,752
Participation rate.....	57.5	57.5	58.0	57.4	57.6	57.7	57.5	57.4	57.8
Employed.....	53,515	53,811	54,325	53,298	53,608	53,746	53,592	53,722	54,067
Employment-population ratio.....	55.8	55.8	56.3	55.6	55.7	55.8	55.6	55.7	56.1
Unemployed.....	1,635	1,594	1,615	1,715	1,812	1,787	1,759	1,575	1,685
Unemployment rate.....	3.0	2.9	2.9	3.1	3.3	3.2	3.2	2.8	3.0
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force.....	4,310	4,383	4,341	4,499	4,510	4,572	4,450	4,574	4,552
Participation rate.....	34.9	35.6	35.3	36.5	36.6	37.2	36.2	37.2	37.0
Employed.....	3,798	3,893	3,911	3,947	4,044	4,069	3,949	4,046	4,078
Employment-population ratio.....	30.8	31.6	31.8	32.0	32.8	33.1	32.1	32.9	33.1
Unemployed.....	513	490	429	552	466	502	501	528	474
Unemployment rate.....	11.9	11.2	9.9	12.3	10.3	11.0	11.3	11.5	10.4
<b>BLACK OR AFRICAN AMERICAN</b>									
Civilian noninstitutional population.....	32,370	32,848	32,887	32,370	32,737	32,771	32,810	32,848	32,887
Civilian labor force.....	20,264	20,484	20,706	20,134	20,364	20,495	20,404	20,513	20,590
Participation rate.....	62.6	62.4	63.0	62.2	62.2	62.5	62.2	62.4	62.6
Employed.....	18,744	19,295	19,397	18,654	19,045	19,144	19,114	19,272	19,310
Employment-population ratio.....	57.9	58.7	59.0	57.6	58.2	58.4	58.3	58.7	58.7
Unemployed.....	1,520	1,189	1,309	1,479	1,319	1,351	1,289	1,240	1,280
Unemployment rate.....	7.5	5.8	6.3	7.3	6.5	6.6	6.3	6.0	6.2
Not in labor force.....	12,106	12,365	12,181	12,236	12,373	12,276	12,406	12,336	12,297
<b>Men, 20 years and over</b>									
Civilian labor force.....	9,276	9,369	9,477	9,218	9,162	9,320	9,407	9,359	9,426
Participation rate.....	68.6	68.0	68.7	68.2	66.8	67.9	68.4	68.0	68.4
Employed.....	8,580	8,842	8,862	8,539	8,573	8,751	8,841	8,813	8,836
Employment-population ratio.....	63.4	64.2	64.3	63.1	62.5	63.7	64.3	64.0	64.1
Unemployed.....	696	526	615	679	589	569	566	546	590
Unemployment rate.....	7.5	5.6	6.5	7.4	6.4	6.1	6.0	5.8	6.3
<b>Women, 20 years and over</b>									
Civilian labor force.....	10,291	10,421	10,415	10,204	10,406	10,426	10,361	10,427	10,337
Participation rate.....	63.0	62.8	62.7	62.5	63.0	63.0	62.5	62.9	62.3
Employed.....	9,609	9,892	9,892	9,560	9,838	9,793	9,766	9,874	9,834
Employment-population ratio.....	58.8	59.6	59.6	58.5	59.5	59.2	59.0	59.5	59.2
Unemployed.....	682	529	523	644	568	633	595	554	503
Unemployment rate.....	6.6	5.1	5.0	6.3	5.5	6.1	5.7	5.3	4.9
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force.....	697	694	815	712	796	750	635	726	827
Participation rate.....	27.8	27.8	32.7	28.4	31.9	30.0	25.5	29.1	33.2
Employed.....	555	560	643	555	635	600	508	585	640
Employment-population ratio.....	22.1	22.5	25.8	22.1	25.4	24.1	20.3	23.5	25.7
Unemployed.....	142	134	172	157	162	149	128	140	187
Unemployment rate.....	20.4	19.3	21.1	22.0	20.3	19.9	20.1	19.3	22.6

See footnotes at end of table.

**HOUSEHOLD DATA**

**Table A-2. Employment status of the civilian population by race, sex, and age — Continued**

[Numbers in thousands]

Employment status, race, sex, and age	Not seasonally adjusted			Seasonally adjusted <sup>1</sup>					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>ASIAN</b>									
Civilian noninstitutional population.....	15,466	16,011	16,030	15,466	15,934	15,922	16,093	16,011	16,030
Civilian labor force.....	9,794	10,289	10,213	9,864	10,140	10,153	10,259	10,300	10,284
Participation rate.....	63.3	64.3	63.7	63.8	63.6	63.8	63.7	64.3	64.2
Employed.....	9,507	9,933	9,899	9,565	9,817	9,838	9,950	9,938	9,959
Employment-population ratio.....	61.5	62.0	61.8	61.8	61.6	61.8	61.8	62.1	62.1
Unemployed.....	288	356	314	299	322	314	309	362	324
Unemployment rate.....	2.9	3.5	3.1	3.0	3.2	3.1	3.0	3.5	3.2
Not in labor force.....	5,671	5,722	5,817	5,602	5,794	5,769	5,834	5,712	5,746

<sup>1</sup> The population figures are not adjusted for seasonal variation; therefore, identical numbers appear in the unadjusted and seasonally adjusted columns.

NOTE: Estimates for the above race groups will not sum to totals shown in table A-1 because data are not presented for all races. Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-3. Employment status of the Hispanic or Latino population by sex and age**

[Numbers in thousands]

Employment status, sex, and age	Not seasonally adjusted			Seasonally adjusted <sup>1</sup>					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>HISPANIC OR LATINO ETHNICITY</b>									
Civilian noninstitutional population.....	41,665	42,959	43,054	41,665	42,679	42,767	42,863	42,959	43,054
Civilian labor force.....	27,328	28,316	28,512	27,319	28,369	28,495	28,242	28,346	28,500
Participation rate.....	65.6	65.9	66.2	65.6	66.5	66.6	65.9	66.0	66.2
Employed.....	26,077	27,105	27,343	25,999	27,077	27,223	26,927	27,059	27,252
Employment-population ratio.....	62.6	63.1	63.5	62.4	63.4	63.7	62.8	63.0	63.3
Unemployed.....	1,250	1,211	1,169	1,321	1,292	1,273	1,315	1,287	1,248
Unemployment rate.....	4.6	4.3	4.1	4.8	4.6	4.5	4.7	4.5	4.4
Not in labor force.....	14,337	14,642	14,542	14,346	14,310	14,272	14,621	14,613	14,554
<b>Men, 20 years and over</b>									
Civilian labor force.....	14,987	15,414	15,442	14,959	15,557	15,519	15,421	15,416	15,440
Participation rate.....	79.9	79.5	79.4	79.7	80.8	80.4	79.7	79.5	79.4
Employed.....	14,459	14,888	14,898	14,380	14,961	15,017	14,849	14,822	14,844
Employment-population ratio.....	77.1	76.8	76.6	76.7	77.7	77.8	76.7	76.4	76.4
Unemployed.....	528	526	544	579	596	502	572	594	596
Unemployment rate.....	3.5	3.4	3.5	3.9	3.8	3.2	3.7	3.9	3.9
<b>Women, 20 years and over</b>									
Civilian labor force.....	11,158	11,682	11,778	11,146	11,626	11,684	11,593	11,673	11,756
Participation rate.....	58.6	59.6	59.9	58.5	59.7	59.8	59.2	59.5	59.8
Employed.....	10,639	11,175	11,305	10,601	11,065	11,131	11,009	11,172	11,255
Employment-population ratio.....	55.9	57.0	57.5	55.7	56.8	57.0	56.3	57.0	57.3
Unemployed.....	519	507	472	546	561	553	584	501	501
Unemployment rate.....	4.6	4.3	4.0	4.9	4.8	4.7	5.0	4.3	4.3
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force.....	1,184	1,220	1,293	1,214	1,186	1,292	1,228	1,257	1,304
Participation rate.....	30.6	30.9	32.6	31.4	30.2	32.8	31.1	31.8	32.9
Employed.....	980	1,042	1,140	1,018	1,051	1,075	1,068	1,065	1,153
Employment-population ratio.....	25.3	26.3	28.8	26.3	26.7	27.3	27.1	26.9	29.1
Unemployed.....	204	179	152	196	135	218	160	192	151
Unemployment rate.....	17.2	14.6	11.8	16.1	11.4	16.8	13.0	15.3	11.6

<sup>1</sup> The population figures are not adjusted for seasonal variation; therefore, identical numbers appear in the unadjusted and seasonally adjusted columns.

NOTE: Persons whose ethnicity is identified as Hispanic or Latino may be of any race. Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-4. Employment status of the civilian population 25 years and over by educational attainment**

[Numbers in thousands]

Educational attainment	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>Less than a high school diploma</b>									
Civilian labor force.....	10,141	10,273	10,078	10,328	10,508	10,212	10,311	10,189	10,262
Participation rate.....	45.3	46.4	46.9	46.2	45.9	46.9	46.3	46.0	47.7
Employed.....	9,624	9,773	9,567	9,699	9,926	9,695	9,728	9,626	9,651
Employment-population ratio.....	43.0	44.2	44.5	43.4	43.4	44.5	43.7	43.5	44.9
Unemployed.....	516	499	510	629	582	517	583	563	611
Unemployment rate.....	5.1	4.9	5.1	6.1	5.5	5.1	5.7	5.5	6.0
<b>High school graduates, no college<sup>1</sup></b>									
Civilian labor force.....	35,788	36,540	36,254	35,572	36,050	36,534	36,121	36,224	36,092
Participation rate.....	57.2	58.0	57.8	56.9	57.9	57.9	57.3	57.5	57.6
Employed.....	34,358	35,268	34,879	34,050	34,549	35,056	34,699	34,873	34,638
Employment-population ratio.....	54.9	56.0	55.6	54.4	55.5	55.5	55.0	55.3	55.3
Unemployed.....	1,431	1,272	1,375	1,522	1,501	1,478	1,422	1,351	1,454
Unemployment rate.....	4.0	3.5	3.8	4.3	4.2	4.0	3.9	3.7	4.0
<b>Some college or associate degree</b>									
Civilian labor force.....	37,987	37,364	37,808	37,761	37,863	37,531	37,300	37,423	37,598
Participation rate.....	66.2	65.2	65.7	65.8	65.3	65.4	65.6	65.3	65.3
Employed.....	36,636	36,204	36,706	36,385	36,602	36,340	35,987	36,239	36,462
Employment-population ratio.....	63.8	63.1	63.8	63.4	63.2	63.3	63.3	63.2	63.4
Unemployed.....	1,351	1,160	1,102	1,376	1,261	1,191	1,313	1,184	1,136
Unemployment rate.....	3.6	3.1	2.9	3.6	3.3	3.2	3.5	3.2	3.0
<b>Bachelor's degree and higher<sup>2</sup></b>									
Civilian labor force.....	55,728	57,279	58,022	55,612	56,613	56,940	57,638	57,258	57,856
Participation rate.....	73.9	73.6	73.6	73.8	74.0	73.4	74.0	73.6	73.4
Employed.....	54,604	56,160	56,890	54,477	55,296	55,672	56,452	56,124	56,700
Employment-population ratio.....	72.4	72.2	72.2	72.3	72.2	71.8	72.5	72.1	71.9
Unemployed.....	1,124	1,120	1,132	1,135	1,317	1,268	1,186	1,134	1,156
Unemployment rate.....	2.0	2.0	2.0	2.0	2.3	2.2	2.1	2.0	2.0

<sup>1</sup> Includes persons with a high school diploma or equivalent.

<sup>2</sup> Includes persons with bachelor's, master's, professional, and doctoral degrees.

NOTE: Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-5. Employment status of the civilian population 18 years and over by veteran status, period of service, and sex, not seasonally adjusted**

[Numbers in thousands]

Employment status, veteran status, and period of service	Total		Men		Women	
	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018
<b>VETERANS, 18 years and over</b>						
Civilian noninstitutional population.....	20,493	19,090	18,457	17,218	2,036	1,872
Civilian labor force.....	10,184	9,369	8,958	8,255	1,227	1,114
Participation rate.....	49.7	49.1	48.5	47.9	60.2	59.5
Employed.....	9,906	9,100	8,705	8,019	1,201	1,081
Employment-population ratio.....	48.3	47.7	47.2	46.6	59.0	57.7
Unemployed.....	278	269	253	236	26	33
Unemployment rate.....	2.7	2.9	2.8	2.9	2.1	3.0
Not in labor force.....	10,309	9,721	9,499	8,963	809	758
<b>Gulf War-era II veterans</b>						
Civilian noninstitutional population.....	4,161	4,141	3,421	3,405	740	736
Civilian labor force.....	3,316	3,384	2,816	2,861	500	523
Participation rate.....	79.7	81.7	82.3	84.0	67.5	71.1
Employed.....	3,196	3,279	2,713	2,770	483	509
Employment-population ratio.....	76.8	79.2	79.3	81.3	65.3	69.2
Unemployed.....	120	105	104	91	16	14
Unemployment rate.....	3.6	3.1	3.7	3.2	3.3	2.7
Not in labor force.....	845	757	605	545	241	213
<b>Gulf War-era I veterans</b>						
Civilian noninstitutional population.....	3,365	3,147	2,863	2,677	502	470
Civilian labor force.....	2,618	2,450	2,253	2,109	365	341
Participation rate.....	77.8	77.9	78.7	78.8	72.7	72.6
Employed.....	2,570	2,383	2,214	2,047	356	336
Employment-population ratio.....	76.4	75.7	77.3	76.5	70.9	71.4
Unemployed.....	49	67	40	61	9	5
Unemployment rate.....	1.9	2.7	1.8	2.9	2.5	1.6
Not in labor force.....	746	697	610	568	137	129
<b>World War II, Korean War, and Vietnam-era veterans</b>						
Civilian noninstitutional population.....	7,964	7,502	7,676	7,246	288	256
Civilian labor force.....	1,779	1,545	1,708	1,491	71	54
Participation rate.....	22.3	20.6	22.3	20.6	24.6	21.2
Employed.....	1,730	1,498	1,659	1,447	71	52
Employment-population ratio.....	21.7	20.0	21.6	20.0	24.6	20.2
Unemployed.....	50	47	50	44	0	3
Unemployment rate.....	2.8	3.0	2.9	3.0	-	-
Not in labor force.....	6,185	5,957	5,968	5,755	217	202
<b>Veterans of other service periods</b>						
Civilian noninstitutional population.....	5,003	4,300	4,497	3,890	506	410
Civilian labor force.....	2,471	1,990	2,179	1,795	291	195
Participation rate.....	49.4	46.3	48.5	46.1	57.5	47.6
Employed.....	2,411	1,940	2,120	1,755	291	184
Employment-population ratio.....	48.2	45.1	47.2	45.1	57.5	45.0
Unemployed.....	60	50	59	39	0	11
Unemployment rate.....	2.4	2.5	2.7	2.2	0.1	5.6
Not in labor force.....	2,532	2,310	2,318	2,095	215	215
<b>NONVETERANS, 18 years and over</b>						
Civilian noninstitutional population.....	225,807	230,542	100,389	103,266	125,418	127,276
Civilian labor force.....	148,074	151,214	75,253	76,864	72,821	74,351
Participation rate.....	65.6	65.6	75.0	74.4	58.1	58.4
Employed.....	142,414	145,912	72,312	74,170	70,101	71,743
Employment-population ratio.....	63.1	63.3	72.0	71.8	55.9	56.4
Unemployed.....	5,660	5,302	2,941	2,694	2,719	2,608
Unemployment rate.....	3.8	3.5	3.9	3.5	3.7	3.5
Not in labor force.....	77,734	79,328	25,136	26,402	52,598	52,925

NOTE: Veterans served on active duty in the U.S. Armed Forces and were not on active duty at the time of the survey. Nonveterans never served on active duty in the U.S. Armed Forces. Veterans could have served anywhere in the world during these periods of service: Gulf War era II (September 2001-present), Gulf War era I (August 1990-August 2001), Vietnam era (August 1964-April 1975), Korean War (July 1950-January 1955), World War II (December 1941-December 1946), and other service periods (all other time periods). Veterans who served in more than one wartime period are classified only in the most recent one. Veterans who served during one of the selected wartime periods and another period are classified only in the wartime period. Dash indicates no data or data that do not meet publication criteria (values not shown where base is less than 75,000).



**HOUSEHOLD DATA**

**Table A-6. Employment status of the civilian population by sex, age, and disability status, not seasonally adjusted**

[Numbers in thousands]

Employment status, sex, and age	Persons with a disability		Persons with no disability	
	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018
<b>TOTAL, 16 years and over</b>				
Civilian noninstitutional population.....	30,255	30,145	225,511	228,370
Civilian labor force.....	6,360	6,468	154,105	156,255
Participation rate.....	21.0	21.5	68.3	68.4
Employed.....	5,877	5,987	148,346	150,965
Employment-population ratio.....	19.4	19.9	65.8	66.1
Unemployed.....	482	480	5,760	5,290
Unemployment rate.....	7.6	7.4	3.7	3.4
Not in labor force.....	23,895	23,677	71,406	72,114
<b>Men, 16 to 64 years</b>				
Civilian labor force.....	2,805	2,740	77,085	77,736
Participation rate.....	36.5	36.4	82.4	82.4
Employed.....	2,588	2,520	74,130	75,067
Employment-population ratio.....	33.7	33.5	79.2	79.6
Unemployed.....	217	221	2,955	2,669
Unemployment rate.....	7.8	8.1	3.8	3.4
Not in labor force.....	4,872	4,790	16,478	16,560
<b>Women, 16 to 64 years</b>				
Civilian labor force.....	2,347	2,511	68,608	69,508
Participation rate.....	30.2	32.0	71.0	71.6
Employed.....	2,133	2,304	66,080	67,136
Employment-population ratio.....	27.4	29.4	68.3	69.2
Unemployed.....	214	207	2,528	2,372
Unemployment rate.....	9.1	8.2	3.7	3.4
Not in labor force.....	5,433	5,329	28,086	27,560
<b>Both sexes, 65 years and over</b>				
Civilian labor force.....	1,208	1,216	8,412	9,011
Participation rate.....	8.2	8.2	23.9	24.4
Employed.....	1,156	1,163	8,136	8,762
Employment-population ratio.....	7.8	7.9	23.1	23.7
Unemployed.....	51	53	276	249
Unemployment rate.....	4.2	4.3	3.3	2.8
Not in labor force.....	13,590	13,559	26,841	27,994

NOTE: A person with a disability has at least one of the following conditions: is deaf or has serious difficulty hearing; is blind or has serious difficulty seeing even when wearing glasses; has serious difficulty concentrating, remembering, or making decisions because of a physical, mental, or emotional condition; has serious difficulty walking or climbing stairs; has difficulty dressing or bathing; or has difficulty doing errands alone such as visiting a doctor's office or shopping because of a physical, mental, or emotional condition. Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-7. Employment status of the civilian population by nativity and sex, not seasonally adjusted**

[Numbers in thousands]

Employment status and nativity	Total		Men		Women	
	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018
<b>Foreign born, 16 years and over</b>						
Civilian noninstitutional population.....	41,668	43,051	20,191	20,795	21,476	22,256
Civilian labor force.....	27,374	28,410	15,774	16,198	11,600	12,212
Participation rate.....	65.7	66.0	78.1	77.9	54.0	54.9
Employed.....	26,343	27,533	15,296	15,763	11,046	11,770
Employment-population ratio.....	63.2	64.0	75.8	75.8	51.4	52.9
Unemployed.....	1,031	877	477	436	554	441
Unemployment rate.....	3.8	3.1	3.0	2.7	4.8	3.6
Not in labor force.....	14,294	14,641	4,417	4,597	9,877	10,044
<b>Native born, 16 years and over</b>						
Civilian noninstitutional population.....	214,099	215,463	103,426	104,245	110,673	111,218
Civilian labor force.....	133,091	134,313	69,463	69,882	63,629	64,431
Participation rate.....	62.2	62.3	67.2	67.0	57.5	57.9
Employed.....	127,880	129,419	66,578	67,290	61,302	62,130
Employment-population ratio.....	59.7	60.1	64.4	64.5	55.4	55.9
Unemployed.....	5,211	4,894	2,884	2,593	2,327	2,301
Unemployment rate.....	3.9	3.6	4.2	3.7	3.7	3.6
Not in labor force.....	81,007	81,150	33,963	34,363	47,044	46,787

NOTE: The foreign born are those residing in the United States who were not U.S. citizens at birth. That is, they were born outside the United States or one of its outlying areas such as Puerto Rico or Guam, to parents neither of whom was a U.S. citizen. The native born are persons who were born in the United States or one of its outlying areas such as Puerto Rico or Guam or who were born abroad of at least one parent who was a U.S. citizen. Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-8. Employed persons by class of worker and part-time status**

[In thousands]

Category	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>CLASS OF WORKER</b>									
Agriculture and related industries.....	2,559	2,555	2,484	2,471	2,350	2,498	2,345	2,474	2,406
Wage and salary workers <sup>1</sup> .....	1,814	1,726	1,771	1,707	1,567	1,658	1,528	1,640	1,658
Self-employed workers, unincorporated.....	721	806	692	749	736	783	772	812	731
Unpaid family workers.....	24	23	21	-	-	-	-	-	-
Nonagricultural industries.....	151,664	153,636	154,468	151,334	153,309	153,473	153,262	153,474	154,152
Wage and salary workers <sup>1</sup> .....	142,564	144,570	145,325	142,294	144,524	144,447	144,276	144,389	145,109
Government.....	20,753	20,674	21,187	20,755	20,986	20,900	20,791	20,743	21,212
Private industries.....	121,811	123,896	124,139	121,578	123,478	123,541	123,513	123,634	123,968
Private households.....	571	741	769	-	-	-	-	-	-
Other industries.....	121,240	123,154	123,370	121,012	122,757	122,772	122,749	122,842	123,167
Self-employed workers, unincorporated.....	9,067	8,970	9,055	8,956	8,728	8,880	8,861	8,959	8,943
Unpaid family workers.....	33	96	88	-	-	-	-	-	-
<b>PERSONS AT WORK PART TIME<sup>2</sup></b>									
<b>  All industries</b>									
Part time for economic reasons <sup>3</sup> .....	4,553	4,306	4,246	4,880	4,743	4,567	4,379	4,642	4,621
Slack work or business conditions.....	2,762	2,606	2,600	2,960	3,042	2,877	2,551	2,782	2,816
Could only find part-time work.....	1,609	1,464	1,433	1,615	1,447	1,431	1,365	1,447	1,436
Part time for noneconomic reasons <sup>4</sup> .....	21,395	21,475	21,979	20,897	21,304	21,532	21,781	21,464	21,512
<b>    Nonagricultural industries</b>									
Part time for economic reasons <sup>3</sup> .....	4,496	4,238	4,169	4,799	4,662	4,482	4,311	4,547	4,523
Slack work or business conditions.....	2,734	2,572	2,541	2,944	3,004	2,836	2,522	2,752	2,763
Could only find part-time work.....	1,594	1,459	1,428	1,600	1,431	1,415	1,355	1,441	1,431
Part time for noneconomic reasons <sup>4</sup> .....	21,034	21,077	21,616	20,552	20,941	21,177	21,448	21,057	21,143

<sup>1</sup> Includes self-employed workers whose businesses are incorporated.

<sup>2</sup> Refers to those who worked 1 to 34 hours during the survey reference week and excludes employed persons who were absent from their jobs for the entire week.

<sup>3</sup> Refers to those who worked 1 to 34 hours during the reference week for an economic reason such as slack work or unfavorable business conditions, inability to find full-time work, or seasonal declines in demand.

<sup>4</sup> Refers to persons who usually work part time for noneconomic reasons such as childcare problems, family or personal obligations, school or training, retirement or Social Security limits on earnings, and other reasons. This excludes persons who usually work full time but worked only 1 to 34 hours during the reference week for reasons such as vacations, holidays, illness, and bad weather.

- Data not available.

NOTE: Detail for the seasonally adjusted data shown in this table will not necessarily add to totals because of the independent seasonal adjustment of the various series. Updated population controls are introduced annually with the release of January data.

# HOUSEHOLD DATA

## Table A-9. Selected employment indicators

[Numbers in thousands]

Characteristic	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>AGE AND SEX</b>									
Total, 16 years and over.....	154,223	156,191	156,952	153,846	155,576	155,965	155,542	155,962	156,562
16 to 19 years.....	4,821	4,876	5,045	5,022	5,144	5,127	4,879	5,081	5,248
16 to 17 years.....	1,903	1,826	1,940	1,932	1,797	1,815	1,770	1,766	1,956
18 to 19 years.....	2,918	3,050	3,105	3,070	3,344	3,315	3,110	3,293	3,293
20 years and over.....	149,402	151,315	151,908	148,824	150,432	150,838	150,663	150,881	151,314
20 to 24 years.....	14,180	13,910	13,865	14,183	14,046	14,128	13,841	14,026	13,902
25 years and over.....	135,222	137,405	138,042	134,716	136,422	136,762	136,749	136,856	137,506
25 to 54 years.....	99,584	100,763	101,289	99,227	100,204	100,417	100,276	100,316	100,903
25 to 34 years.....	34,755	35,658	35,802	34,666	35,288	35,444	35,316	35,500	35,699
35 to 44 years.....	32,254	32,661	33,017	32,094	32,566	32,690	32,636	32,489	32,853
45 to 54 years.....	32,574	32,444	32,469	32,468	32,350	32,283	32,324	32,327	32,352
55 years and over.....	35,638	36,642	36,753	35,489	36,218	36,346	36,473	36,540	36,602
Men, 16 years and over.....	81,875	82,814	83,052	81,667	82,522	82,684	82,545	82,645	82,903
16 to 19 years.....	2,345	2,356	2,415	2,419	2,509	2,444	2,410	2,420	2,498
16 to 17 years.....	857	799	863	884	855	814	812	782	893
18 to 19 years.....	1,488	1,557	1,552	1,528	1,644	1,629	1,598	1,637	1,614
20 years and over.....	79,530	80,458	80,637	79,248	80,013	80,240	80,134	80,225	80,405
20 to 24 years.....	7,248	7,107	7,031	7,280	7,191	7,149	6,990	7,162	7,087
25 years and over.....	72,282	73,351	73,606	72,016	72,869	73,126	73,106	73,020	73,341
25 to 54 years.....	53,242	53,808	53,957	53,082	53,588	53,673	53,599	53,569	53,796
25 to 34 years.....	18,655	19,199	19,196	18,617	19,006	19,054	19,007	19,121	19,171
35 to 44 years.....	17,414	17,594	17,704	17,320	17,598	17,691	17,642	17,509	17,619
45 to 54 years.....	17,173	17,015	17,056	17,145	16,984	16,928	16,950	16,939	17,005
55 years and over.....	19,040	19,542	19,650	18,934	19,281	19,453	19,507	19,451	19,546
Women, 16 years and over.....	72,348	73,378	73,900	72,179	73,054	73,281	72,997	73,317	73,659
16 to 19 years.....	2,477	2,520	2,630	2,603	2,635	2,683	2,468	2,661	2,751
16 to 17 years.....	1,046	1,027	1,077	1,048	942	1,001	958	983	1,063
18 to 19 years.....	1,430	1,493	1,553	1,541	1,700	1,687	1,512	1,656	1,679
20 years and over.....	69,872	70,858	71,270	69,576	70,419	70,598	70,529	70,656	70,909
20 to 24 years.....	6,932	6,803	6,835	6,903	6,855	6,979	6,851	6,864	6,815
25 years and over.....	62,940	64,055	64,436	62,700	63,553	63,636	63,643	63,836	64,165
25 to 54 years.....	46,342	46,954	47,332	46,146	46,616	46,744	46,677	46,747	47,108
25 to 34 years.....	16,100	16,459	16,606	16,049	16,282	16,390	16,309	16,379	16,527
35 to 44 years.....	14,840	15,067	15,313	14,774	14,969	14,998	14,994	14,979	15,234
45 to 54 years.....	15,401	15,428	15,413	15,323	15,366	15,355	15,374	15,388	15,347
55 years and over.....	16,598	17,100	17,104	16,555	16,937	16,892	16,966	17,089	17,057
<b>MARITAL STATUS</b>									
Married men, spouse present <sup>1</sup> .....	45,886	46,205	46,354	45,776	45,689	45,751	45,858	45,966	46,228
Married women, spouse present <sup>1</sup> .....	36,072	36,090	36,278	35,853	35,976	35,986	36,070	35,984	36,040
Women who maintain families <sup>2</sup> .....	9,829	9,887	10,060	-	-	-	-	-	-
<b>FULL- OR PART-TIME STATUS</b>									
Full-time workers <sup>3</sup> .....	127,055	129,466	129,627	126,636	128,568	129,021	128,577	128,894	129,212
Part-time workers <sup>4</sup> .....	27,168	26,726	27,325	27,142	27,028	26,992	26,913	27,055	27,297
<b>MULTIPLE JOBHOLDERS</b>									
Total multiple jobholders.....	7,409	7,670	8,093	7,209	7,619	8,072	7,944	7,707	7,883
Percent of total employed.....	4.8	4.9	5.2	4.7	4.9	5.2	5.1	4.9	5.0
<b>SELF-EMPLOYMENT</b>									
Self-employed workers, incorporated.....	6,171	5,840	6,057	-	-	-	-	-	-
Self-employed workers, unincorporated.....	9,789	9,776	9,747	9,705	9,464	9,663	9,633	9,771	9,674

<sup>1</sup> Refers to persons in opposite-sex married couples only.

<sup>2</sup> Refers to female householders residing with one or more family members, but not an opposite-sex spouse.

<sup>3</sup> Employed full-time workers are persons who usually work 35 hours or more per week.

<sup>4</sup> Employed part-time workers are persons who usually work less than 35 hours per week.

- Data not available.

NOTE: Detail for the seasonally adjusted data shown in this table will not necessarily add to totals because of the independent seasonal adjustment of the various series. Updated population controls are introduced annually with the release of January data.

# HOUSEHOLD DATA

## Table A-10. Selected unemployment indicators, seasonally adjusted

Characteristic	Number of unemployed persons (in thousands)			Unemployment rates					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>AGE AND SEX</b>									
Total, 16 years and over.....	6,524	5,964	6,075	4.1	4.0	3.9	3.9	3.7	3.7
16 to 19 years.....	796	743	712	13.7	12.6	13.1	12.8	12.8	11.9
16 to 17 years.....	340	282	235	15.0	14.4	13.6	13.4	13.8	10.7
18 to 19 years.....	467	446	492	13.2	11.4	12.5	12.2	11.9	13.0
20 years and over.....	5,728	5,221	5,363	3.7	3.7	3.5	3.5	3.3	3.4
20 to 24 years.....	1,095	1,036	1,010	7.2	7.4	6.9	6.8	6.9	6.8
25 years and over.....	4,620	4,210	4,335	3.3	3.3	3.2	3.2	3.0	3.1
25 to 54 years.....	3,501	3,149	3,269	3.4	3.3	3.2	3.2	3.0	3.1
25 to 34 years.....	1,593	1,299	1,350	4.4	3.9	3.5	4.1	3.5	3.6
35 to 44 years.....	1,003	969	1,010	3.0	3.1	3.1	2.9	2.9	3.0
45 to 54 years.....	905	882	908	2.7	3.0	2.9	2.6	2.7	2.7
55 years and over.....	1,134	1,056	1,073	3.1	3.1	3.1	3.1	2.8	2.8
Men, 16 years and over.....	3,580	3,211	3,243	4.2	4.1	3.8	3.9	3.7	3.8
16 to 19 years.....	462	373	362	16.0	14.7	15.5	14.7	13.4	12.7
16 to 17 years.....	186	134	114	17.4	16.5	16.1	15.6	14.6	11.3
18 to 19 years.....	284	241	251	15.7	13.2	14.5	14.1	12.8	13.5
20 years and over.....	3,118	2,837	2,881	3.8	3.7	3.4	3.5	3.4	3.5
20 to 24 years.....	635	575	565	8.0	8.2	7.4	7.5	7.4	7.4
25 years and over.....	2,462	2,281	2,294	3.3	3.2	3.0	3.1	3.0	3.0
25 to 54 years.....	1,825	1,707	1,761	3.3	3.2	3.0	3.1	3.1	3.2
25 to 34 years.....	844	704	747	4.3	3.8	3.5	4.1	3.6	3.7
35 to 44 years.....	499	539	554	2.8	2.9	2.6	2.6	3.0	3.0
45 to 54 years.....	482	464	460	2.7	3.0	2.8	2.4	2.7	2.6
55 years and over.....	638	574	533	3.3	3.2	3.1	3.0	2.9	2.7
Women, 16 years and over.....	2,945	2,753	2,832	3.9	4.0	3.9	3.9	3.6	3.7
16 to 19 years.....	334	370	350	11.4	10.5	10.9	10.8	12.2	11.3
16 to 17 years.....	154	148	121	12.8	12.4	11.4	11.5	13.1	10.2
18 to 19 years.....	182	205	241	10.6	9.5	10.5	10.0	11.0	12.6
20 years and over.....	2,611	2,383	2,482	3.6	3.7	3.7	3.6	3.3	3.4
20 to 24 years.....	460	461	445	6.3	6.6	6.3	6.1	6.3	6.1
25 years and over.....	2,157	1,930	2,041	3.3	3.4	3.4	3.3	2.9	3.1
25 to 54 years.....	1,676	1,442	1,508	3.5	3.4	3.4	3.4	3.0	3.1
25 to 34 years.....	749	595	604	4.5	4.0	3.6	4.1	3.5	3.5
35 to 44 years.....	504	430	456	3.3	3.3	3.6	3.2	2.8	2.9
45 to 54 years.....	423	418	448	2.7	2.9	3.0	2.7	2.6	2.8
55 years and over.....	494	500	532	2.9	3.0	3.0	3.1	2.8	3.0
<b>MARITAL STATUS</b>									
Married men, spouse present <sup>1</sup> .....	954	898	897	2.0	2.1	2.0	2.0	1.9	1.9
Married women, spouse present <sup>1</sup> .....	889	780	836	2.4	2.5	2.5	2.5	2.1	2.3
Women who maintain families <sup>2</sup> .....	578	529	565	5.6	5.5	5.6	5.4	5.1	5.3
<b>FULL- OR PART-TIME STATUS</b>									
Full-time workers <sup>3</sup> .....	5,246	4,662	4,838	4.0	4.0	3.8	3.7	3.5	3.6
Part-time workers <sup>4</sup> .....	1,275	1,267	1,241	4.5	4.3	4.4	4.3	4.5	4.3

<sup>1</sup> Refers to persons in opposite-sex couples only.

<sup>2</sup> Data are not seasonally adjusted. Refers to female householders residing with one or more family members, but not an opposite-sex spouse.

<sup>3</sup> Full-time workers are unemployed persons who have expressed a desire to work full time (35 hours or more per week) or are on layoff from full-time jobs.

<sup>4</sup> Part-time workers are unemployed persons who have expressed a desire to work part time (less than 35 hours per week) or are on layoff from part-time jobs.

NOTE: Detail for the seasonally adjusted data shown in this table will not necessarily add to totals because of the independent seasonal adjustment of the various series. Updated population controls are introduced annually with the release of January data.

# HOUSEHOLD DATA

## Table A-11. Unemployed persons by reason for unemployment

[Numbers in thousands]

Reason	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>NUMBER OF UNEMPLOYED</b>									
Job losers and persons who completed temporary jobs.....	2,859	2,474	2,510	3,214	3,065	3,017	2,875	2,796	2,850
On temporary layoff.....	561	507	507	862	906	890	872	820	793
Not on temporary layoff.....	2,298	1,967	2,003	2,352	2,159	2,127	2,003	1,975	2,057
Permanent job losers.....	1,648	1,238	1,317	1,688	1,486	1,455	1,345	1,248	1,355
Persons who completed temporary jobs....	650	729	686	664	673	672	658	727	701
Job leavers.....	763	794	746	731	811	844	862	730	726
Reentrants.....	2,040	1,939	1,951	2,001	2,086	1,799	1,846	1,877	1,906
New entrants.....	580	559	564	626	578	591	584	586	606
<b>PERCENT DISTRIBUTION</b>									
Job losers and persons who completed temporary jobs.....	45.8	42.9	43.5	48.9	46.9	48.3	46.6	46.7	46.8
On temporary layoff.....	9.0	8.8	8.8	13.1	13.9	14.2	14.1	13.7	13.0
Not on temporary layoff.....	36.8	34.1	34.7	35.8	33.0	34.0	32.5	33.0	33.8
Job leavers.....	12.2	13.8	12.9	11.1	12.4	13.5	14.0	12.2	11.9
Reentrants.....	32.7	33.6	33.8	30.5	31.9	28.8	29.9	31.3	31.3
New entrants.....	9.3	9.7	9.8	9.5	8.8	9.5	9.5	9.8	10.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>									
Job losers and persons who completed temporary jobs.....	1.8	1.5	1.5	2.0	1.9	1.9	1.8	1.7	1.8
Job leavers.....	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Reentrants.....	1.3	1.2	1.2	1.2	1.3	1.1	1.1	1.2	1.2
New entrants.....	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4

NOTE: Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-12. Unemployed persons by duration of unemployment**

[Numbers in thousands]

Duration	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
<b>NUMBER OF UNEMPLOYED</b>									
Less than 5 weeks.....	1,958	2,043	1,866	2,128	2,227	2,091	2,208	2,065	2,057
5 to 14 weeks.....	1,839	1,566	1,734	1,943	1,882	1,820	1,720	1,720	1,821
15 weeks and over.....	2,445	2,157	2,171	2,500	2,314	2,406	2,255	2,245	2,229
15 to 26 weeks.....	847	790	824	856	836	971	923	861	856
27 weeks and over.....	1,598	1,366	1,347	1,645	1,478	1,435	1,332	1,384	1,373
Average (mean) duration, in weeks.....	27.1	24.7	23.8	25.8	21.2	23.2	22.6	24.0	22.5
Median duration, in weeks.....	10.1	9.4	9.9	9.8	8.9	9.5	9.1	9.2	9.4
<b>PERCENT DISTRIBUTION</b>									
Less than 5 weeks.....	31.4	35.4	32.3	32.4	34.7	33.1	35.7	34.3	33.7
5 to 14 weeks.....	29.5	27.2	30.0	29.6	29.3	28.8	27.8	28.5	29.8
15 weeks and over.....	39.2	37.4	37.6	38.0	36.0	38.1	36.5	37.2	36.5
15 to 26 weeks.....	13.6	13.7	14.3	13.0	13.0	15.4	14.9	14.3	14.0
27 weeks and over.....	25.6	23.7	23.3	25.0	23.0	22.7	21.5	22.9	22.5

NOTE: Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-13. Employed and unemployed persons by occupation, not seasonally adjusted**

[Numbers in thousands]

Occupation	Employed		Unemployed		Unemployment rates	
	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018
Total, 16 years and over <sup>1</sup> .....	154,223	156,952	6,242	5,771	3.9	3.5
Management, professional, and related occupations.....	61,062	62,929	1,285	1,246	2.1	1.9
Management, business, and financial operations occupations.....	25,620	26,165	498	535	1.9	2.0
Professional and related occupations.....	35,442	36,764	787	711	2.2	1.9
Service occupations.....	27,075	26,689	1,444	1,247	5.1	4.5
Sales and office occupations.....	33,633	33,730	1,363	1,233	3.9	3.5
Sales and related occupations.....	15,795	15,927	656	599	4.0	3.6
Office and administrative support occupations.....	17,838	17,803	707	634	3.8	3.4
Natural resources, construction, and maintenance occupations.....	14,324	14,588	724	546	4.8	3.6
Farming, fishing, and forestry occupations.....	1,222	1,181	67	63	5.2	5.0
Construction and extraction occupations.....	8,183	8,558	495	400	5.7	4.5
Installation, maintenance, and repair occupations.....	4,920	4,849	163	83	3.2	1.7
Production, transportation, and material moving occupations.....	18,129	19,015	833	920	4.4	4.6
Production occupations.....	8,575	8,904	311	414	3.5	4.4
Transportation and material moving occupations.....	9,554	10,112	522	506	5.2	4.8

<sup>1</sup> Persons with no previous work experience and persons whose last job was in the U.S. Armed Forces are included in the unemployed total.

NOTE: Updated population controls are introduced annually with the release of January data.



**HOUSEHOLD DATA**

**Table A-14. Unemployed persons by industry and class of worker, not seasonally adjusted**

Industry and class of worker	Number of unemployed persons (in thousands)		Unemployment rates	
	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018
Total, 16 years and over <sup>1</sup> .....	6,242	5,771	3.9	3.5
Nonagricultural private wage and salary workers.....	4,810	4,458	3.8	3.5
Mining, quarrying, and oil and gas extraction.....	39	14	4.8	1.7
Construction.....	418	352	4.5	3.6
Manufacturing.....	501	504	3.2	3.2
Durable goods.....	314	260	3.2	2.5
Nondurable goods.....	187	245	3.2	4.3
Wholesale and retail trade.....	849	794	4.2	3.9
Transportation and utilities.....	284	217	4.1	3.1
Information.....	105	84	3.9	3.2
Financial activities.....	214	205	2.2	2.0
Professional and business services.....	715	691	4.1	4.0
Education and health services.....	677	649	2.9	2.7
Leisure and hospitality.....	796	747	5.8	5.4
Other services.....	210	200	3.1	3.0
Agriculture and related private wage and salary workers.....	79	74	4.3	4.1
Government workers.....	462	411	2.2	1.9
Self-employed workers, unincorporated, and unpaid family workers.....	311	265	3.1	2.6

<sup>1</sup> Persons with no previous work experience and persons whose last job was in the U.S. Armed Forces are included in the unemployed total.

NOTE: Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-15. Alternative measures of labor underutilization**

[Percent]

Measure	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2017	Sept. 2018	Oct. 2018	Oct. 2017	June 2018	July 2018	Aug. 2018	Sept. 2018	Oct. 2018
U-1 Persons unemployed 15 weeks or longer, as a percent of the civilian labor force.....	1.5	1.3	1.3	1.6	1.4	1.5	1.4	1.4	1.4
U-2 Job losers and persons who completed temporary jobs, as a percent of the civilian labor force.....	1.8	1.5	1.5	2.0	1.9	1.9	1.8	1.7	1.8
U-3 Total unemployed, as a percent of the civilian labor force (official unemployment rate).....	3.9	3.6	3.5	4.1	4.0	3.9	3.9	3.7	3.7
U-4 Total unemployed plus discouraged workers, as a percent of the civilian labor force plus discouraged workers.....	4.2	3.8	3.8	4.4	4.3	4.2	4.1	3.9	4.0
U-5 Total unemployed, plus discouraged workers, plus all other persons marginally attached to the labor force, as a percent of the civilian labor force plus all persons marginally attached to the labor force.....	4.8	4.5	4.4	5.0	4.9	4.8	4.7	4.6	4.6
U-6 Total unemployed, plus all persons marginally attached to the labor force, plus total employed part time for economic reasons, as a percent of the civilian labor force plus all persons marginally attached to the labor force.....	7.6	7.1	7.0	8.0	7.8	7.5	7.4	7.5	7.4

NOTE: Persons marginally attached to the labor force are those who currently are neither working nor looking for work but indicate that they want and are available for a job and have looked for work sometime in the past 12 months. Discouraged workers, a subset of the marginally attached, have given a job-market related reason for not currently looking for work. Persons employed part time for economic reasons are those who want and are available for full-time work but have had to settle for a part-time schedule. Updated population controls are introduced annually with the release of January data.

**HOUSEHOLD DATA**

**Table A-16. Persons not in the labor force and multiple jobholders by sex, not seasonally adjusted**

[Numbers in thousands]

Category	Total		Men		Women	
	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018	Oct. 2017	Oct. 2018
<b>NOT IN THE LABOR FORCE</b>						
Total not in the labor force.....	95,301	95,792	38,380	38,960	56,921	56,832
Persons who currently want a job.....	4,938	5,048	2,287	2,298	2,650	2,750
Marginally attached to the labor force <sup>1</sup> .....	1,535	1,491	837	823	698	668
Discouraged workers <sup>2</sup> .....	524	506	335	314	190	192
Other persons marginally attached to the labor force <sup>3</sup> ..	1,010	984	503	509	508	476
<b>MULTIPLE JOBHOLDERS</b>						
Total multiple jobholders <sup>4</sup> .....	7,409	8,093	3,681	3,958	3,727	4,135
Percent of total employed.....	4.8	5.2	4.5	4.8	5.2	5.6
Primary job full time, secondary job part time.....	4,167	4,484	2,256	2,490	1,912	1,994
Primary and secondary jobs both part time.....	1,770	2,180	587	723	1,183	1,457
Primary and secondary jobs both full time.....	295	284	226	171	70	114
Hours vary on primary or secondary job.....	1,124	1,073	598	539	526	534

<sup>1</sup> Data refer to persons who want a job, have searched for work during the prior 12 months, and were available to take a job during the reference week, but had not looked for work in the past 4 weeks.

<sup>2</sup> Includes those who did not actively look for work in the prior 4 weeks for reasons such as thinks no work available, could not find work, lacks schooling or training, employer thinks too young or old, and other types of discrimination.

<sup>3</sup> Includes those who did not actively look for work in the prior 4 weeks for such reasons as school or family responsibilities, ill health, and transportation problems, as well as a number for whom reason for nonparticipation was not determined.

<sup>4</sup> Includes a small number of persons who work part time on their primary job and full time on their secondary job(s), not shown separately.

NOTE: Updated population controls are introduced annually with the release of January data.

**ESTABLISHMENT DATA**

**Table B-1. Employees on nonfarm payrolls by industry sector and selected industry detail**

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted				Change from: Sept.2018 - Oct.2018 <sup>P</sup>
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>P</sup>	Oct. 2018 <sup>P</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>P</sup>	Oct. 2018 <sup>P</sup>	
Total nonfarm.....	148,203	149,406	149,738	150,753	147,234	149,382	149,500	149,750	250
Total private.....	125,516	127,986	127,368	127,982	124,903	126,986	127,107	127,353	246
Goods-producing.....	20,391	21,115	21,024	21,064	20,168	20,750	20,792	20,859	67
Mining and logging.....	700	763	759	764	691	747	751	756	5
Logging.....	49.6	49.5	48.7	47.9	48.2	47.9	47.3	47.0	-0.3
Mining.....	650.5	713.3	710.0	716.5	643.2	698.8	703.5	708.6	5.1
Oil and gas extraction.....	146.3	155.5	152.6	153.4	145.8	152.8	152.4	153.2	0.8
Mining, except oil and gas.....	187.9	195.3	193.2	194.3	185.9	190.5	190.3	191.3	1.0
Coal mining.....	53.0	53.2	52.9	53.1	52.7	53.0	52.8	52.6	-0.2
Metal ore mining.....	38.5	39.6	39.0	39.0	38.7	39.1	38.9	39.1	0.2
Nonmetallic mineral mining and quarrying.....	96.4	102.5	101.3	102.2	94.5	98.4	98.6	99.6	1.0
Support activities for mining.....	316.3	362.5	364.2	368.8	311.5	355.5	360.8	364.1	3.3
Construction.....	7,182	7,529	7,474	7,500	6,988	7,268	7,288	7,318	30
Construction of buildings.....	1,576.4	1,656.5	1,639.5	1,644.2	1,543.5	1,615.8	1,615.6	1,617.3	1.7
Residential building.....	769.2	821.3	811.9	815.9	751.2	801.3	799.8	802.6	2.8
Nonresidential building.....	807.2	835.2	827.6	828.3	792.3	814.5	815.8	814.7	-1.1
Heavy and civil engineering construction.....	1,046.1	1,092.6	1,093.3	1,099.6	984.1	1,023.2	1,029.0	1,036.1	7.1
Specialty trade contractors.....	4,559.4	4,779.4	4,741.4	4,756.6	4,460.0	4,628.8	4,643.6	4,664.9	21.3
Residential specialty trade contractors.....	1,997.7	2,103.5	2,077.0	2,085.7	1,961.2	2,033.0	2,039.5	2,053.3	13.8
Nonresidential specialty trade contractors.....	2,561.7	2,675.9	2,664.4	2,670.9	2,498.8	2,595.8	2,604.1	2,611.6	7.5
Manufacturing.....	12,509	12,823	12,791	12,800	12,489	12,735	12,753	12,785	32
Durable goods.....	7,770	8,001	7,982	8,005	7,765	7,970	7,984	8,005	21
Wood products.....	398.4	409.1	407.6	409.0	398.1	406.3	407.3	407.8	0.5
Nonmetallic mineral products.....	416.9	426.2	425.6	428.8	410.9	419.1	422.5	424.3	1.8
Primary metals.....	374.3	382.2	381.7	381.7	374.4	382.1	382.2	381.9	-0.3
Fabricated metal products.....	1,443.7	1,500.3	1,495.2	1,494.8	1,443.0	1,494.4	1,495.5	1,495.4	-0.1
Machinery.....	1,082.5	1,132.7	1,127.6	1,131.7	1,083.8	1,129.1	1,130.7	1,135.5	4.8
Computer and electronic products.....	1,047.9	1,073.2	1,068.3	1,071.4	1,047.9	1,068.5	1,069.7	1,071.9	2.2
Computer and peripheral equipment.....	163.2	170.7	170.3	171.1	162.5	169.3	170.4	171.0	0.6
Communications equipment.....	86.8	85.1	85.1	85.5	87.0	85.1	85.2	85.6	0.4
Semiconductors and electronic components.....	363.4	371.7	369.1	368.7	363.7	370.0	369.7	369.1	-0.6
Electronic instruments.....	400.7	413.1	410.9	412.4	401.0	411.5	411.7	412.9	1.2
Miscellaneous computer and electronic products.....	33.8	32.6	32.9	33.7	33.6	32.5	32.8	33.3	0.5
Electrical equipment and appliances.....	392.3	408.3	408.9	407.8	392.8	406.7	408.3	408.1	-0.2
Transportation equipment <sup>1</sup> .....	1,627.9	1,674.6	1,678.5	1,684.6	1,630.0	1,673.0	1,676.3	1,686.5	10.2
Motor vehicles and parts <sup>2</sup> .....	950.1	961.3	963.4	968.5	950.5	961.7	962.7	969.5	6.8
Furniture and related products.....	393.4	393.2	390.4	391.0	393.3	389.9	391.0	390.7	-0.3
Miscellaneous durable goods manufacturing.....	592.2	601.0	598.2	604.4	590.9	600.5	600.5	603.3	2.8
Nondurable goods.....	4,739	4,822	4,809	4,795	4,724	4,765	4,769	4,780	11
Food manufacturing.....	1,623.7	1,675.1	1,669.2	1,658.7	1,613.4	1,637.4	1,642.1	1,648.9	6.8
Textile mills.....	112.5	112.6	111.9	111.0	112.5	112.3	111.6	111.0	-0.6
Textile product mills.....	113.0	112.0	111.3	110.9	112.4	110.9	110.8	110.4	-0.4
Apparel.....	117.3	112.9	111.3	110.9	116.3	113.2	110.9	110.8	-0.1
Paper and paper products.....	368.2	377.9	378.2	377.4	369.2	377.1	378.9	378.2	-0.7
Printing and related support activities.....	440.1	434.2	432.8	431.7	439.5	432.6	432.2	430.9	-1.3
Petroleum and coal products.....	118.5	120.8	119.9	118.9	116.0	116.9	116.6	116.2	-0.4
Chemicals.....	825.8	837.8	836.0	837.2	828.0	834.9	836.9	838.6	1.7
Plastics and rubber products.....	718.0	727.7	727.1	727.0	721.7	726.9	728.0	730.6	2.6
Miscellaneous nondurable goods manufacturing.....	302.3	311.2	310.8	311.6	294.5	303.1	301.4	304.0	2.6
Private service-providing.....	105,125	106,871	106,344	106,918	104,735	106,236	106,315	106,494	179
Trade, transportation, and utilities.....	27,604	27,797	27,715	27,910	27,553	27,836	27,828	27,865	37
Wholesale trade.....	5,933.2	6,028.7	6,011.2	6,028.6	5,923.3	6,004.8	6,008.1	6,017.2	9.1
Durable goods.....	2,977.4	3,045.9	3,035.8	3,041.5	2,978.5	3,033.5	3,035.9	3,042.6	6.7
Nondurable goods.....	2,059.7	2,062.3	2,054.8	2,065.0	2,049.3	2,055.3	2,052.5	2,053.9	1.4

See footnotes at end of table.

**ESTABLISHMENT DATA**

**Table B-1. Employees on nonfarm payrolls by industry sector and selected industry detail**

— Continued

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted				Change from: Sept.2018 - Oct.2018 <sup>P</sup>
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>P</sup>	Oct. 2018 <sup>P</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>P</sup>	Oct. 2018 <sup>P</sup>	
Wholesale trade - Continued									
Electronic markets and agents and brokers.....	896.1	920.5	920.6	922.1	895.5	916.0	919.7	920.7	1.0
Retail trade.....	15,869.5	15,927.6	15,770.8	15,893.7	15,859.8	15,926.4	15,894.0	15,896.4	2.4
Motor vehicle and parts dealers.....	2,019.3	2,047.9	2,043.3	2,046.4	2,017.3	2,036.6	2,037.0	2,042.5	5.5
Automobile dealers.....	1,304.2	1,315.0	1,315.8	1,316.4	1,301.7	1,311.1	1,312.2	1,313.1	0.9
Other motor vehicle dealers.....	154.3	163.1	158.6	157.1	155.6	156.3	157.2	158.3	1.1
Auto parts, accessories, and tire stores...	560.8	569.8	568.9	572.9	559.9	569.2	567.6	571.1	3.5
Furniture and home furnishings stores.....	479.9	477.7	477.7	488.0	476.6	482.4	484.3	485.9	1.6
Electronics and appliance stores.....	499.4	490.7	486.8	490.0	500.4	494.8	491.8	490.9	-0.9
Building material and garden supply stores.....	1,268.2	1,305.3	1,278.8	1,277.2	1,288.9	1,306.3	1,303.8	1,304.1	0.3
Food and beverage stores.....	3,084.9	3,118.5	3,088.4	3,103.3	3,079.6	3,100.3	3,097.4	3,100.7	3.3
Health and personal care stores.....	1,057.3	1,048.7	1,047.0	1,058.6	1,058.1	1,057.3	1,057.9	1,060.0	2.1
Gasoline stations.....	934.0	950.5	944.1	939.9	932.0	938.5	940.6	938.4	-2.2
Clothing and clothing accessories stores...	1,348.8	1,367.5	1,325.0	1,337.2	1,361.3	1,358.7	1,352.9	1,352.6	-0.3
Sporting goods, hobby, book, and music stores.....	605.2	557.5	554.9	557.4	606.0	571.0	566.5	560.4	-6.1
General merchandise stores.....	3,152.0	3,131.0	3,102.3	3,155.8	3,143.7	3,151.4	3,138.8	3,140.5	1.7
Department stores.....	1,183.2	1,161.9	1,144.1	1,169.8	1,185.2	1,178.8	1,170.0	1,168.5	-1.5
General merchandise stores, including warehouse clubs and supercenters.....	1,968.8	1,969.1	1,958.2	1,986.0	1,958.5	1,972.6	1,968.8	1,972.0	3.2
Miscellaneous store retailers.....	834.9	837.7	826.1	829.5	820.2	829.1	821.7	818.1	-3.6
Nonstore retailers.....	585.6	594.6	596.4	610.4	575.7	600.0	601.3	602.3	1.0
Transportation and warehousing.....	5,247.4	5,287.5	5,382.8	5,435.6	5,215.4	5,353.5	5,374.3	5,399.1	24.8
Air transportation.....	497.8	508.4	506.2	505.2	498.5	504.8	505.5	505.6	0.1
Rail transportation.....	213.2	215.6	215.6	215.6	212.7	214.4	215.3	215.0	-0.3
Water transportation.....	65.7	68.3	66.2	65.8	65.4	65.6	65.1	65.4	0.3
Truck transportation.....	1,472.8	1,505.9	1,508.1	1,509.0	1,455.6	1,484.0	1,489.8	1,492.2	2.4
Transit and ground passenger transportation.....	515.5	431.8	508.1	517.1	497.9	495.1	496.7	498.2	1.5
Pipeline transportation.....	47.6	46.9	46.9	47.0	47.7	46.9	46.8	47.0	0.2
Scenic and sightseeing transportation.....	37.5	45.6	40.6	36.5	36.5	35.3	34.7	35.3	0.6
Support activities for transportation.....	698.2	716.0	713.5	721.7	693.1	713.9	712.8	717.6	4.8
Couriers and messengers.....	684.5	715.2	729.3	746.8	704.2	751.8	757.0	764.6	7.6
Warehousing and storage.....	1,014.6	1,033.8	1,048.3	1,070.9	1,003.8	1,041.7	1,050.6	1,058.2	7.6
Utilities.....	553.4	553.2	549.7	551.6	554.2	551.2	551.3	552.5	1.2
Information.....	2,784	2,787	2,753	2,776	2,784	2,766	2,762	2,769	7
Publishing industries, except Internet.....	720.5	718.3	717.2	715.2	719.1	714.4	714.6	713.7	-0.9
Motion picture and sound recording industries.....	422.7	426.6	403.1	422.8	424.5	413.6	412.5	416.8	4.3
Broadcasting, except Internet.....	266.5	262.5	264.7	265.2	264.7	263.2	263.2	263.1	-0.1
Telecommunications.....	771.3	754.5	747.0	746.2	772.7	754.0	748.5	748.6	0.1
Data processing, hosting and related services.....	320.7	326.5	325.8	328.4	319.7	325.8	326.9	328.0	1.1
Other information services.....	282.6	298.6	294.8	298.5	283.3	295.4	296.0	298.6	2.6
Financial activities.....	8,499	8,654	8,606	8,616	8,494	8,587	8,602	8,609	7
Finance and insurance.....	6,287.0	6,353.7	6,326.1	6,331.9	6,287.6	6,331.0	6,334.0	6,332.4	-1.6
Monetary authorities - central bank.....	18.9	19.4	19.1	19.2	19.0	19.3	19.2	19.2	0.0
Credit intermediation and related activities.....	2,651.5	2,675.3	2,661.8	2,659.2	2,656.7	2,664.4	2,665.1	2,664.0	-1.1
Depository credit intermediation <sup>1</sup> .....	1,710.3	1,725.1	1,712.3	1,711.9	1,717.4	1,718.3	1,718.6	1,718.3	-0.3
Commercial banking.....	1,318.6	1,323.9	1,313.3	1,311.2	1,323.8	1,319.0	1,318.7	1,316.3	-2.4
Nondepository credit intermediation.....	628.4	636.9	634.4	631.0	627.2	633.1	631.2	629.5	-1.7
Activities related to credit intermediation...	312.8	313.3	315.1	316.3	312.1	312.9	315.3	316.1	0.8
Securities, commodity contracts, investments, and funds and trusts.....	948.8	978.0	969.5	968.9	945.6	968.9	970.0	967.3	-2.7
Insurance carriers and related activities.....	2,667.8	2,681.0	2,675.7	2,684.6	2,666.3	2,678.4	2,679.7	2,681.9	2.2
Real estate and rental and leasing.....	2,212.2	2,299.9	2,280.0	2,283.9	2,206.2	2,256.3	2,268.0	2,276.5	8.5
Real estate.....	1,610.5	1,658.0	1,644.1	1,651.4	1,605.2	1,634.4	1,641.2	1,645.5	4.3

See footnotes at end of table.

**ESTABLISHMENT DATA**

**Table B-1. Employees on nonfarm payrolls by industry sector and selected industry detail**

— Continued

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted				Change from: Sept.2018 - Oct.2018 <sup>P</sup>
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>P</sup>	Oct. 2018 <sup>P</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>P</sup>	Oct. 2018 <sup>P</sup>	
Real estate and rental and leasing - Continued									
Rental and leasing services.....	577.6	616.2	610.9	607.2	576.9	596.7	601.7	605.7	4.0
Lessors of nonfinancial intangible assets....	24.1	25.7	25.0	25.3	24.1	25.2	25.1	25.3	0.2
Professional and business services.....	20,815	21,217	21,185	21,352	20,630	21,065	21,111	21,146	35
Professional and technical services.....	9,045.0	9,272.1	9,206.2	9,301.3	9,061.1	9,273.3	9,287.9	9,307.6	19.7
Legal services.....	1,139.1	1,137.5	1,131.3	1,140.7	1,137.0	1,136.5	1,137.5	1,138.1	0.6
Accounting and bookkeeping services.....	938.9	960.0	950.3	963.3	998.0	1,013.1	1,011.9	1,014.1	2.2
Architectural and engineering services.....	1,455.1	1,507.2	1,488.6	1,500.5	1,447.7	1,486.7	1,485.4	1,492.3	6.9
Specialized design services.....	139.0	139.2	140.0	139.7	137.4	138.8	140.0	138.4	-1.6
Computer systems design and related services.....	2,068.3	2,126.1	2,109.5	2,138.1	2,058.4	2,116.2	2,120.9	2,126.6	5.7
Management and technical consulting services.....	1,427.9	1,467.4	1,463.6	1,484.0	1,413.5	1,460.7	1,465.9	1,469.8	3.9
Scientific research and development services.....	661.3	689.0	681.6	685.4	663.8	682.9	684.6	687.1	2.5
Advertising and related services.....	492.6	500.2	495.8	497.6	489.8	497.3	496.8	495.6	-1.2
Other professional and technical services....	722.8	745.5	745.5	752.0	715.4	741.0	744.9	745.5	0.6
Management of companies and enterprises....	2,299.4	2,344.0	2,331.9	2,336.4	2,302.6	2,333.8	2,336.9	2,339.1	2.2
Administrative and waste services.....	9,470.8	9,600.7	9,646.4	9,714.6	9,266.3	9,457.4	9,486.5	9,498.9	12.4
Administrative and support services.....	9,054.3	9,162.6	9,209.4	9,276.8	8,850.8	9,025.2	9,051.9	9,062.5	10.6
Office administrative services.....	517.7	528.0	526.8	527.4	517.5	527.3	527.1	527.0	-0.1
Facilities support services.....	156.0	158.4	159.0	159.4	154.9	157.5	157.6	158.1	0.5
Employment services <sup>1</sup> .....	3,788.6	3,764.6	3,825.4	3,882.0	3,663.2	3,735.7	3,749.9	3,749.4	-0.5
Temporary help services.....	3,106.3	3,066.1	3,123.6	3,178.0	2,992.0	3,047.3	3,054.9	3,058.2	3.3
Business support services.....	921.4	899.8	910.6	924.9	906.4	911.4	911.7	910.5	-1.2
Travel arrangement and reservation services.....	216.8	219.1	218.3	216.9	216.9	216.5	217.1	216.8	-0.3
Investigation and security services.....	930.5	948.2	955.6	957.7	922.6	945.2	947.5	950.2	2.7
Services to buildings and dwellings.....	2,190.6	2,304.6	2,270.4	2,261.6	2,141.4	2,193.9	2,199.5	2,208.6	9.1
Other support services.....	332.7	339.9	343.3	346.9	327.9	337.7	341.6	341.9	0.3
Waste management and remediation services.....	416.5	438.1	437.0	437.8	415.5	432.2	434.6	436.4	1.8
Education and health services.....	23,515	23,430	23,691	24,018	23,312	23,741	23,767	23,811	44
Educational services.....	3,852.9	3,453.8	3,711.5	3,917.7	3,686.6	3,764.9	3,755.8	3,753.3	-2.5
Health care and social assistance.....	19,662.3	19,976.3	19,979.9	20,099.9	19,625.7	19,975.9	20,010.8	20,057.5	46.7
Health care <sup>3</sup> .....	15,845.5	16,100.5	16,089.4	16,171.0	15,814.7	16,074.3	16,101.6	16,137.2	35.6
Ambulatory health care services.....	7,383.8	7,529.6	7,522.3	7,571.2	7,357.5	7,518.9	7,531.2	7,545.4	14.2
Offices of physicians.....	2,613.1	2,643.8	2,643.5	2,661.2	2,603.1	2,643.4	2,648.1	2,651.8	3.7
Offices of dentists.....	937.4	954.3	949.4	955.3	935.0	949.8	949.0	952.5	3.5
Offices of other health practitioners....	897.5	936.8	931.3	945.1	895.7	933.9	936.8	942.9	6.1
Outpatient care centers.....	910.3	938.1	935.8	942.5	909.9	937.1	938.4	942.0	3.6
Medical and diagnostic laboratories....	272.9	282.4	284.8	284.0	271.9	282.4	283.9	283.4	-0.5
Home health care services.....	1,438.9	1,468.2	1,469.8	1,478.7	1,432.1	1,465.9	1,468.6	1,470.5	1.9
Other ambulatory health care services.....	313.7	306.0	307.7	304.4	309.8	306.3	306.5	302.3	-4.2
Hospitals.....	5,114.2	5,194.7	5,203.3	5,221.9	5,109.2	5,191.7	5,203.1	5,216.1	13.0
Nursing and residential care facilities....	3,347.5	3,376.2	3,363.8	3,377.9	3,348.0	3,363.7	3,367.3	3,375.7	8.4
Nursing care facilities.....	1,622.9	1,617.2	1,611.3	1,617.4	1,621.7	1,612.1	1,611.7	1,615.2	3.5
Residential mental health facilities....	628.9	639.2	636.8	636.7	629.8	637.1	637.9	637.7	-0.2
Community care facilities for the elderly.....	926.8	946.1	942.5	949.3	927.8	942.2	944.2	948.5	4.3
Other residential care facilities.....	168.9	173.7	173.2	174.5	168.7	172.4	173.5	174.3	0.8
Social assistance.....	3,816.8	3,875.8	3,890.5	3,928.9	3,811.0	3,901.6	3,909.2	3,920.3	11.1
Individual and family services.....	2,360.4	2,441.7	2,433.6	2,456.5	2,363.1	2,441.2	2,449.1	2,457.9	8.8
Emergency and other relief services.....	168.2	175.5	174.9	175.1	169.0	174.9	175.3	175.9	0.6
Vocational rehabilitation services.....	343.1	351.8	346.0	349.0	343.6	347.3	347.3	349.5	2.2
Child day care services.....	945.1	906.8	936.0	948.3	935.3	938.2	937.5	937.0	-0.5
Leisure and hospitality.....	16,100	17,076	16,530	16,360	16,156	16,368	16,368	16,410	42
Arts, entertainment, and recreation.....	2,299.4	2,650.9	2,412.1	2,334.1	2,347.7	2,349.1	2,363.3	2,372.3	9.0
Performing arts and spectator sports.....	504.8	514.1	511.1	511.1	499.0	485.2	498.6	501.9	3.3

See footnotes at end of table.

**ESTABLISHMENT DATA**

**Table B-1. Employees on nonfarm payrolls by industry sector and selected industry detail**

— Continued

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted				Change from: Sept. 2018 - Oct. 2018 <sup>p</sup>
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	
Arts, entertainment, and recreation - Continued									
Museums, historical sites, and similar institutions.....	168.7	186.6	176.8	176.2	168.0	173.8	174.5	175.5	1.0
Amusements, gambling, and recreation.....	1,625.9	1,950.2	1,724.2	1,646.8	1,680.7	1,690.1	1,690.2	1,694.9	4.7
Accommodation and food services.....	13,800.5	14,425.3	14,117.4	14,026.1	13,808.4	14,018.7	14,005.1	14,038.1	33.0
Accommodation.....	1,997.9	2,182.8	2,079.1	2,023.0	2,010.4	2,040.3	2,036.7	2,036.2	-0.5
Food services and drinking places.....	11,802.6	12,242.5	12,038.3	12,003.1	11,798.0	11,978.4	11,968.4	12,001.9	33.5
Other services.....	5,808	5,910	5,864	5,886	5,806	5,873	5,877	5,884	7
Repair and maintenance.....	1,312.2	1,323.3	1,324.5	1,328.7	1,311.3	1,323.3	1,324.6	1,327.5	2.9
Personal and laundry services.....	1,502.2	1,536.3	1,533.6	1,543.1	1,499.7	1,530.1	1,534.7	1,539.5	4.8
Membership associations and organizations...	2,993.8	3,050.0	3,005.7	3,014.5	2,995.3	3,019.8	3,017.4	3,017.1	-0.3
Government.....	22,687	21,420	22,370	22,771	22,331	22,396	22,393	22,397	4
Federal.....	2,802.0	2,806.0	2,801.0	2,799.0	2,807.0	2,797.0	2,798.0	2,799.0	1.0
Federal, except U.S. Postal Service.....	2,187.7	2,202.3	2,196.4	2,194.8	2,190.3	2,191.0	2,191.9	2,194.5	2.6
U.S. Postal Service.....	614.5	603.6	604.3	603.7	616.9	606.3	605.7	604.9	-0.8
State government.....	5,279.0	4,863.0	5,194.0	5,297.0	5,135.0	5,137.0	5,138.0	5,139.0	1.0
State government education.....	2,616.1	2,180.8	2,527.6	2,641.1	2,462.7	2,472.3	2,473.6	2,474.9	1.3
State government, excluding education.....	2,662.7	2,682.5	2,666.5	2,656.0	2,671.8	2,664.4	2,664.8	2,663.7	-1.1
Local government.....	14,606.0	13,751.0	14,375.0	14,675.0	14,389.0	14,462.0	14,457.0	14,459.0	2.0
Local government education.....	8,190.6	7,079.3	7,895.2	8,226.5	7,936.7	7,974.0	7,968.9	7,968.7	-0.2
Local government, excluding education.....	6,415.6	6,671.3	6,479.6	6,448.7	6,452.0	6,488.3	6,488.3	6,490.1	1.8

<sup>1</sup> Includes other industries, not shown separately.

<sup>2</sup> Includes motor vehicles, motor vehicle bodies and trailers, and motor vehicle parts.

<sup>3</sup> Includes ambulatory health care services, hospitals, and nursing and residential care facilities.

p Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

**ESTABLISHMENT DATA**

**Table B-2. Average weekly hours and overtime of all employees on private nonfarm payrolls by industry sector, seasonally adjusted**

Industry	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>
<b>AVERAGE WEEKLY HOURS</b>				
Total private.....	34.4	34.5	34.4	34.5
Goods-producing.....	40.4	40.5	40.3	40.3
Mining and logging.....	45.3	46.0	45.8	45.9
Construction.....	39.0	39.2	38.9	38.9
Manufacturing.....	40.9	40.9	40.9	40.8
Durable goods.....	41.4	41.3	41.2	41.2
Nondurable goods.....	40.0	40.3	40.2	40.1
Private service-providing.....	33.2	33.3	33.3	33.3
Trade, transportation, and utilities.....	34.3	34.4	34.4	34.3
Wholesale trade.....	39.0	39.0	38.9	38.8
Retail trade.....	30.9	30.9	30.9	30.8
Transportation and warehousing.....	38.7	39.0	38.9	39.0
Utilities.....	42.1	42.0	42.2	42.1
Information.....	36.3	36.1	36.3	36.1
Financial activities.....	37.5	37.6	37.4	37.8
Professional and business services.....	36.0	36.1	36.1	36.2
Education and health services.....	32.9	33.0	33.0	33.0
Leisure and hospitality.....	26.1	26.1	26.0	26.1
Other services.....	31.7	31.8	31.8	31.9
<b>AVERAGE OVERTIME HOURS</b>				
Manufacturing.....	3.5	3.5	3.5	3.5
Durable goods.....	3.5	3.5	3.5	3.5
Nondurable goods.....	3.5	3.6	3.4	3.5

p Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.



**ESTABLISHMENT DATA**

**Table B-3. Average hourly and weekly earnings of all employees on private nonfarm payrolls by industry sector, seasonally adjusted**

Industry	Average hourly earnings				Average weekly earnings			
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>
Total private.....	\$26.47	\$27.17	\$27.25	\$27.30	\$910.57	\$937.37	\$937.40	\$941.85
Goods-producing.....	27.72	28.29	28.39	28.40	1,119.89	1,145.75	1,144.12	1,144.52
Mining and logging.....	32.13	32.75	33.06	32.85	1,455.49	1,506.50	1,514.15	1,507.82
Construction.....	29.09	30.00	30.17	30.21	1,134.51	1,176.00	1,173.61	1,175.17
Manufacturing.....	26.72	27.07	27.11	27.11	1,092.85	1,107.16	1,108.80	1,106.09
Durable goods.....	27.99	28.46	28.51	28.49	1,158.79	1,175.40	1,174.61	1,173.79
Nondurable goods.....	24.58	24.68	24.71	24.74	983.20	994.60	993.34	992.07
Private service-providing.....	26.18	26.91	26.98	27.04	869.18	896.10	898.43	900.43
Trade, transportation, and utilities.....	22.86	23.48	23.56	23.61	784.10	807.71	810.46	809.82
Wholesale trade.....	29.98	30.66	30.82	30.83	1,169.22	1,195.74	1,198.90	1,196.20
Retail trade.....	18.24	18.84	18.89	18.96	563.62	582.16	583.70	583.97
Transportation and warehousing.....	24.01	24.45	24.45	24.50	929.19	953.55	951.11	955.50
Utilities.....	39.62	40.78	41.08	41.00	1,668.00	1,712.76	1,733.58	1,726.10
Information.....	38.39	39.86	40.31	40.39	1,393.56	1,438.95	1,463.25	1,458.08
Financial activities.....	33.66	34.93	35.03	35.03	1,262.25	1,313.37	1,310.12	1,324.13
Professional and business services.....	31.77	32.65	32.70	32.76	1,143.72	1,178.67	1,180.47	1,185.91
Education and health services.....	26.47	27.09	27.10	27.19	870.86	893.97	894.30	897.27
Leisure and hospitality.....	15.58	16.03	16.07	16.11	406.64	418.38	417.82	420.47
Other services.....	24.10	24.42	24.50	24.55	763.97	776.56	779.10	783.15

p Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

**ESTABLISHMENT DATA**

**Table B-4. Indexes of aggregate weekly hours and payrolls for all employees on private nonfarm payrolls by industry sector, seasonally adjusted**

[2007=100]

Industry	Index of aggregate weekly hours <sup>1</sup>					Index of aggregate weekly payrolls <sup>2</sup>				
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Percent change from: Sept. 2018 - Oct. 2018 <sup>p</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Percent change from: Sept. 2018 - Oct. 2018 <sup>p</sup>
Total private.....	107.8	110.0	109.7	110.3	0.5	136.5	142.8	143.0	143.9	0.6
Goods-producing.....	92.8	95.7	95.5	95.8	0.3	116.3	122.4	122.5	122.9	0.3
Mining and logging.....	98.4	108.0	108.1	109.0	0.8	126.9	142.0	143.5	143.8	0.2
Construction.....	93.9	98.2	97.7	98.1	0.4	118.7	128.0	128.1	128.8	0.5
Manufacturing.....	91.9	93.7	93.8	93.8	0.0	114.2	118.0	118.3	118.3	0.0
Durable goods.....	90.5	92.7	92.6	92.9	0.3	112.5	117.1	117.3	117.5	0.2
Nondurable goods.....	94.3	95.8	95.7	95.7	0.0	117.6	120.0	120.0	120.1	0.1
Private service-providing.....	111.9	113.8	113.9	114.1	0.2	142.3	148.8	149.3	149.9	0.4
Trade, transportation, and utilities.....	102.8	104.1	104.1	103.9	-0.2	126.5	131.6	132.0	132.1	0.1
Wholesale trade.....	100.8	102.2	102.0	101.9	-0.1	126.1	130.7	131.2	131.1	-0.1
Retail trade.....	99.5	100.0	99.8	99.5	-0.3	120.0	124.5	124.6	124.7	0.1
Transportation and warehousing.....	115.5	119.5	119.7	120.5	0.7	140.8	148.3	148.5	149.8	0.9
Utilities.....	100.9	100.2	100.7	100.6	-0.1	132.1	135.0	136.6	136.3	-0.2
Information.....	92.3	91.2	91.6	91.3	-0.3	126.2	129.4	131.4	131.3	-0.1
Financial activities.....	104.3	105.7	105.4	106.6	1.1	137.0	144.1	144.0	145.6	1.1
Professional and business services.....	116.8	119.6	119.9	120.4	0.4	150.3	158.2	158.8	159.8	0.6
Education and health services.....	125.2	127.9	128.1	128.3	0.2	159.5	166.7	167.0	167.8	0.5
Leisure and hospitality.....	120.3	121.9	121.4	122.2	0.7	151.2	157.6	157.4	158.8	0.9
Other services.....	106.1	107.7	107.8	108.2	0.4	140.2	144.1	144.7	145.6	0.6

<sup>1</sup> The indexes of aggregate weekly hours are calculated by dividing the current month's estimates of aggregate hours by the corresponding 2007 annual average aggregate hours. Aggregate hours estimates are the product of estimates of average weekly hours and employment.

<sup>2</sup> The indexes of aggregate weekly payrolls are calculated by dividing the current month's estimates of aggregate weekly payrolls by the corresponding 2007 annual average aggregate weekly payrolls. Aggregate payrolls estimates are the product of estimates of average hourly earnings, average weekly hours, and employment.

p Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

**ESTABLISHMENT DATA**

**Table B-5. Employment of women on nonfarm payrolls by industry sector, seasonally adjusted**

Industry	Women employees (in thousands)				Percent of all employees			
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>
Total nonfarm.....	72,880	74,213	74,285	74,441	49.5	49.7	49.7	49.7
Total private.....	60,063	61,290	61,363	61,512	48.1	48.3	48.3	48.3
Goods-producing.....	4,430	4,604	4,621	4,638	22.0	22.2	22.2	22.2
Mining and logging.....	91	95	94	95	13.2	12.7	12.5	12.6
Construction.....	889	933	940	943	12.7	12.8	12.9	12.9
Manufacturing.....	3,450	3,576	3,587	3,600	27.6	28.1	28.1	28.2
Durable goods.....	1,818	1,891	1,897	1,904	23.4	23.7	23.8	23.8
Nondurable goods.....	1,632	1,685	1,690	1,696	34.5	35.4	35.4	35.5
Private service-providing.....	55,633	56,686	56,742	56,874	53.1	53.4	53.4	53.4
Trade, transportation, and utilities.....	11,032	11,169	11,160	11,164	40.0	40.1	40.1	40.1
Wholesale trade.....	1,749.4	1,797.6	1,795.4	1,800.8	29.5	29.9	29.9	29.9
Retail trade.....	7,879.0	7,918.8	7,905.1	7,893.6	49.7	49.7	49.7	49.7
Transportation and warehousing.....	1,276.6	1,323.6	1,330.9	1,341.3	24.5	24.7	24.8	24.8
Utilities.....	127.1	128.7	128.5	128.5	22.9	23.3	23.3	23.3
Information.....	1,101	1,090	1,090	1,093	39.5	39.4	39.5	39.5
Financial activities.....	4,795	4,846	4,849	4,856	56.5	56.4	56.4	56.4
Professional and business services.....	9,284	9,538	9,558	9,599	45.0	45.3	45.3	45.4
Education and health services.....	17,938	18,307	18,335	18,376	76.9	77.1	77.1	77.2
Leisure and hospitality.....	8,408	8,610	8,621	8,651	52.0	52.6	52.7	52.7
Other services.....	3,075	3,126	3,129	3,135	53.0	53.2	53.2	53.3
Government.....	12,817	12,923	12,922	12,929	57.4	57.7	57.7	57.7

p Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

**ESTABLISHMENT DATA**

**Table B-6. Employment of production and nonsupervisory employees on private nonfarm payrolls by industry sector, seasonally adjusted<sup>1</sup>**

[In thousands]

Industry	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>
Total private.....	102,980	104,624	104,720	104,942
Goods-producing.....	14,497	14,899	14,919	14,986
Mining and logging.....	505	556	556	566
Construction.....	5,220	5,409	5,419	5,437
Manufacturing.....	8,772	8,934	8,944	8,983
Durable goods.....	5,332	5,482	5,494	5,524
Nondurable goods.....	3,440	3,452	3,450	3,459
Private service-providing.....	88,483	89,725	89,801	89,956
Trade, transportation, and utilities.....	23,262	23,522	23,532	23,548
Wholesale trade.....	4,749.7	4,813.6	4,819.8	4,824.5
Retail trade.....	13,526.8	13,602.3	13,587.6	13,576.3
Transportation and warehousing.....	4,539.6	4,664.7	4,682.2	4,703.6
Utilities.....	445.5	441.5	442.0	443.5
Information.....	2,243	2,230	2,222	2,231
Financial activities.....	6,608	6,654	6,671	6,682
Professional and business services.....	16,846	17,208	17,238	17,280
Education and health services.....	20,474	20,855	20,877	20,914
Leisure and hospitality.....	14,245	14,394	14,393	14,425
Other services.....	4,805	4,862	4,868	4,876

<sup>1</sup> Data relate to production employees in mining and logging and manufacturing, construction employees in construction, and nonsupervisory employees in the service-providing industries. These groups account for approximately four-fifths of the total employment on private nonfarm payrolls.

<sup>p</sup> Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

**ESTABLISHMENT DATA**

**Table B-7. Average weekly hours and overtime of production and nonsupervisory employees on private nonfarm payrolls by industry sector, seasonally adjusted<sup>1</sup>**

Industry	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>
<b>AVERAGE WEEKLY HOURS</b>				
Total private.....	33.7	33.8	33.7	33.7
Goods-producing.....	41.2	41.5	41.3	41.3
Mining and logging.....	46.0	47.0	46.5	46.7
Construction.....	39.5	39.9	39.6	39.6
Manufacturing.....	42.0	42.2	42.1	42.1
Durable goods.....	42.4	42.5	42.3	42.4
Nondurable goods.....	41.3	41.6	41.7	41.5
Private service-providing.....	32.4	32.5	32.4	32.4
Trade, transportation, and utilities.....	33.9	34.0	33.9	33.8
Wholesale trade.....	39.0	39.0	38.8	38.7
Retail trade.....	30.3	30.4	30.4	30.2
Transportation and warehousing.....	38.3	38.3	38.2	38.2
Utilities.....	42.5	42.8	42.6	42.6
Information.....	35.8	35.6	35.6	35.5
Financial activities.....	36.9	37.1	37.0	37.0
Professional and business services.....	35.4	35.4	35.2	35.3
Education and health services.....	32.2	32.2	32.2	32.2
Leisure and hospitality.....	24.8	24.9	24.8	24.8
Other services.....	30.6	30.8	30.8	31.0
<b>AVERAGE OVERTIME HOURS</b>				
Manufacturing.....	4.5	4.5	4.5	4.5
Durable goods.....	4.6	4.6	4.6	4.7
Nondurable goods.....	4.3	4.4	4.3	4.3

<sup>1</sup> Data relate to production employees in mining and logging and manufacturing, construction employees in construction, and nonsupervisory employees in the service-providing industries. These groups account for approximately four-fifths of the total employment on private nonfarm payrolls.

<sup>p</sup> Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

**ESTABLISHMENT DATA**

**Table B-8. Average hourly and weekly earnings of production and nonsupervisory employees on private nonfarm payrolls by industry sector, seasonally adjusted<sup>1</sup>**

Industry	Average hourly earnings				Average weekly earnings			
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>
Total private.....	\$22.18	\$22.76	\$22.82	\$22.89	\$747.47	\$769.29	\$769.03	\$771.39
Goods-producing.....	23.31	24.02	24.10	24.19	960.37	996.83	995.33	999.05
Mining and logging.....	27.45	28.55	28.93	28.89	1,262.70	1,341.85	1,345.25	1,349.16
Construction.....	26.88	27.80	27.90	28.01	1,061.76	1,109.22	1,104.84	1,109.20
Manufacturing.....	21.05	21.54	21.61	21.68	884.10	908.99	909.78	912.73
Durable goods.....	22.03	22.53	22.60	22.64	934.07	957.53	955.98	959.94
Nondurable goods.....	19.48	19.92	20.00	20.10	804.52	828.67	834.00	834.15
Private service-providing.....	21.94	22.50	22.55	22.61	710.86	731.25	730.62	732.56
Trade, transportation, and utilities.....	19.42	20.02	20.08	20.16	658.34	680.68	680.71	681.41
Wholesale trade.....	24.72	25.34	25.55	25.58	964.08	988.26	991.34	989.95
Retail trade.....	15.36	15.99	16.00	16.07	465.41	486.10	486.40	485.31
Transportation and warehousing.....	21.52	21.96	22.01	22.09	824.22	841.07	840.78	843.84
Utilities.....	36.26	36.95	37.05	36.87	1,541.05	1,581.46	1,578.33	1,570.66
Information.....	30.86	31.97	32.22	32.43	1,104.79	1,138.13	1,147.03	1,151.27
Financial activities.....	26.77	26.96	27.00	27.02	987.81	1,000.22	999.00	999.74
Professional and business services.....	26.16	26.85	26.90	26.94	926.06	950.49	946.88	950.98
Education and health services.....	23.15	23.72	23.72	23.77	745.43	763.78	763.78	765.39
Leisure and hospitality.....	13.49	13.94	14.00	14.05	334.55	347.11	347.20	348.44
Other services.....	20.33	20.66	20.73	20.78	622.10	636.33	638.48	644.18

<sup>1</sup> Data relate to production employees in mining and logging and manufacturing, construction employees in construction, and nonsupervisory employees in the service-providing industries. These groups account for approximately four-fifths of the total employment on private nonfarm payrolls.

p Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.

**ESTABLISHMENT DATA**

**Table B-9. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, seasonally adjusted<sup>1</sup>**

[2002=100]

Industry	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Percent change from: Sept. 2018 - Oct. 2018 <sup>p</sup>	Oct. 2017	Aug. 2018	Sept. 2018 <sup>p</sup>	Oct. 2018 <sup>p</sup>	Percent change from: Sept. 2018 - Oct. 2018 <sup>p</sup>
Total private.....	115.6	117.8	117.6	117.8	0.2	171.4	179.2	179.3	180.2	0.5
Goods-producing.....	91.3	94.5	94.2	94.6	0.4	130.3	139.0	138.9	140.1	0.9
Mining and logging.....	123.4	138.9	137.4	140.5	2.3	197.1	230.6	231.2	236.0	2.1
Construction.....	103.2	108.1	107.4	107.8	0.4	149.8	162.2	161.9	163.0	0.7
Manufacturing.....	84.6	86.5	86.4	86.8	0.5	116.4	121.9	122.2	123.1	0.7
Durable goods.....	85.0	87.6	87.3	88.0	0.8	116.9	123.2	123.2	124.4	1.0
Nondurable goods.....	83.7	84.6	84.8	84.6	-0.2	115.2	119.1	119.8	120.1	0.3
Private service-providing.....	122.1	124.2	123.9	124.1	0.2	183.7	191.6	191.6	192.4	0.4
Trade, transportation, and utilities.....	109.9	111.5	111.2	111.0	-0.2	152.3	159.2	159.3	159.6	0.2
Wholesale trade.....	109.1	110.6	110.1	110.0	-0.1	158.9	165.0	165.8	165.7	-0.1
Retail trade.....	103.7	104.7	104.6	103.8	-0.8	136.6	143.4	143.4	142.9	-0.3
Transportation and warehousing.....	130.9	134.5	134.6	135.3	0.5	178.7	187.3	188.0	189.5	0.8
Utilities.....	96.8	96.6	96.3	96.6	0.3	146.6	149.0	148.9	148.7	-0.1
Information.....	91.6	90.6	90.3	90.4	0.1	140.0	143.4	144.0	145.1	0.8
Financial activities.....	114.8	116.2	116.2	116.4	0.2	189.1	192.8	193.0	193.5	0.3
Professional and business services.....	133.7	136.5	136.0	136.7	0.5	208.1	218.1	217.7	219.2	0.7
Education and health services.....	140.6	143.2	143.3	143.6	0.2	214.8	224.2	224.4	225.3	0.4
Leisure and hospitality.....	129.4	131.3	130.7	131.0	0.2	198.2	207.8	207.9	209.1	0.6
Other services.....	103.1	105.0	105.2	106.0	0.8	152.7	158.1	158.8	160.5	1.1

<sup>1</sup> Data relate to production employees in mining and logging and manufacturing, construction employees in construction, and nonsupervisory employees in the service-providing industries. These groups account for approximately four-fifths of the total employment on private nonfarm payrolls.

<sup>2</sup> The indexes of aggregate weekly hours are calculated by dividing the current month's estimates of aggregate hours by the corresponding 2002 annual average aggregate hours. Aggregate hours estimates are the product of estimates of average weekly hours and employment.

<sup>3</sup> The indexes of aggregate weekly payrolls are calculated by dividing the current month's estimates of aggregate weekly payrolls by the corresponding 2002 annual average aggregate weekly payrolls. Aggregate payrolls estimates are the product of estimates of average hourly earnings, average weekly hours, and employment.

p Preliminary

NOTE: Data have been revised to reflect March 2017 benchmark levels and updated seasonal adjustment factors.