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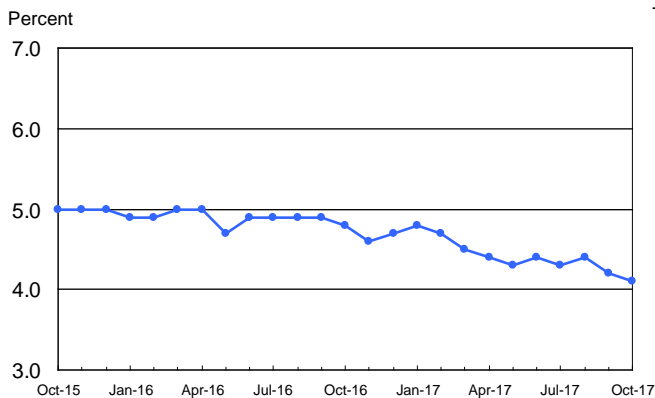
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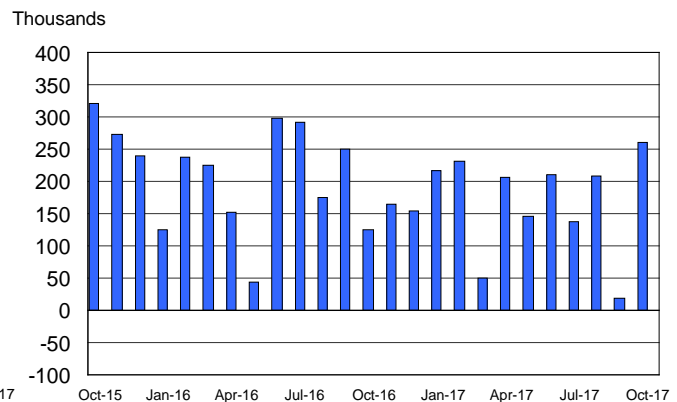
**THE EMPLOYMENT SITUATION — OCTOBER 2017**

Total **nonfarm payroll employment** rose by 261,000 in October, and the **unemployment rate** edged down to 4.1 percent, the U.S. Bureau of Labor Statistics reported today. Employment in food services and drinking places increased sharply, mostly offsetting a decline in September that largely reflected the impact of Hurricanes Irma and Harvey. In October, job gains also occurred in professional and business services, manufacturing, and health care.

**Chart 1. Unemployment rate, seasonally adjusted, October 2015 – October 2017**



**Chart 2. Nonfarm payroll employment over-the-month change, seasonally adjusted, October 2015 – October 2017**



**Household Survey Data**

The **unemployment rate** edged down by 0.1 percentage point to 4.1 percent in October, and the number of **unemployed persons** decreased by 281,000 to 6.5 million. Since January, the unemployment rate has declined by 0.7 percentage point, and the number of unemployed persons has decreased by 1.1 million. (See table A-1.)

Among the **major worker groups**, the unemployment rates for adult women (3.6 percent) and Whites (3.5 percent) declined in October. The jobless rates for adult men (3.8 percent), teenagers (13.7 percent), Blacks (7.5 percent), Asians (3.1 percent), and Hispanics (4.8 percent) showed little change. (See tables A-1, A-2, and A-3.)

In October, the number of **long-term unemployed** (those jobless for 27 weeks or more) was little changed at 1.6 million and accounted for 24.8 percent of the unemployed. (See table A-12.)

The **labor force participation rate** decreased by 0.4 percentage point to 62.7 percent in October but has shown little movement on net over the past 12 months. The **employment-population ratio** declined by 0.2 percentage point over the month to 60.2 percent, after increasing by 0.3 percentage point in September. The employment-population ratio is up by 0.5 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) declined by 369,000 to 4.8 million in October. These individuals, who would have preferred full-time employment, were working part time because their hours had been cut back or because they were unable to find full-time jobs. Over the past 12 months, the number of involuntary part-time workers has decreased by 1.1 million. (See table A-8.)

In October, 1.5 million persons were **marginally attached to the labor force**, little changed from a year earlier. (The 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 524,000 **discouraged workers** in October, essentially unchanged from a year earlier. (The 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 1.0 million 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 261,000 in October, after changing little in September (+18,000). Employment in food services and drinking places increased sharply over the month, mostly offsetting a decline in September that largely reflected the impact of Hurricanes Irma and Harvey. In October, employment also increased in professional and business services, manufacturing, and health care. (See table B-1.)

Employment in **food services and drinking places** rose sharply in October (+89,000), following a decrease of 98,000 in September when many workers were off payrolls due to the hurricanes.

**Professional and business services** added 50,000 jobs in October, about in line with its average monthly gain over the prior 12 months.

**Manufacturing** employment rose by 24,000 in October, with job gains in computer and electronic products (+5,000) and chemicals (+4,000). Employment in fabricated metals continued to trend up (+4,000). Manufacturing has added 156,000 jobs since a recent employment low in November 2016.

**Health care** added 22,000 jobs in October. Employment in ambulatory health care services continued to trend up over the month (+16,000). Health care has added an average of 24,000 jobs per month thus far in 2017, compared with an average gain of 32,000 per month in 2016.

Employment in other major industries, including **mining, construction, wholesale trade, retail trade, transportation and warehousing, information, financial activities, and government**, changed little in October.

The **average workweek for all employees** on private nonfarm payrolls was unchanged at 34.4 hours in October. In manufacturing, the workweek increased by 0.2 hour to 41.0 hours, and overtime edged up by 0.1 hour to 3.5 hours. The average workweek for **production and nonsupervisory employees** on private nonfarm payrolls edged up by 0.1 hour to 33.7 hours. (See tables B-2 and B-7.)

**Average hourly earnings for all employees** on private nonfarm payrolls, at \$26.53, were little changed in October (-1 cent), after rising by 12 cents in September. Over the past 12 months, average hourly earnings have increased by 63 cents, or 2.4 percent. In October, average hourly earnings of private-sector **production and nonsupervisory employees**, at \$22.22, were little changed (-1 cent). (See tables B-3 and B-8.)

The change in total nonfarm payroll employment for August was revised up from +169,000 to +208,000, and the change for September was revised up from -33,000 to +18,000. With these revisions, employment was 90,000 higher than previously reported. (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 162,000 over the last 3 months.

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**The Employment Situation for November is scheduled to be released on Friday, December 8, 2017, at 8:30 a.m. (EST).**

### **Conversion to the 2017 North American Industry Classification System**

With the release of January 2018 data on February 2, 2018, the establishment survey will revise the basis for industry classification from the 2012 North American Industry Classification System (NAICS) to 2017 NAICS. The conversion to 2017 NAICS will result in minor revisions reflecting content changes within the mining and logging, retail trade, information, financial activities, and professional and business services sectors. Additionally, some smaller industries will be combined within the mining and logging, durable goods, retail trade, and information sectors. Several industry titles and descriptions also will be updated.

Approximately 4 percent of employment will be reclassified into different industries as a result of the revision. Details of new, discontinued, and combined industries due to the 2017 NAICS update, as well as changes due to the annual benchmarking process, will be available on January 5, 2018.

For more information on the 2017 NAICS update, visit [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

# HOUSEHOLD DATA

## Summary table A. Household data, seasonally adjusted

[Numbers in thousands]

Category	Oct. 2016	Aug. 2017	Sept. 2017	Oct. 2017	Change from: Sept. 2017- Oct. 2017
<b>Employment status</b>					
Civilian noninstitutional population.....	254,321	255,357	255,562	255,766	204
Civilian labor force.....	159,643	160,571	161,146	160,381	-765
Participation rate.....	62.8	62.9	63.1	62.7	-0.4
Employed.....	151,902	153,439	154,345	153,861	-484
Employment-population ratio.....	59.7	60.1	60.4	60.2	-0.2
Unemployed.....	7,740	7,132	6,801	6,520	-281
Unemployment rate.....	4.8	4.4	4.2	4.1	-0.1
Not in labor force.....	94,678	94,785	94,417	95,385	968
<b>Unemployment rates</b>					
Total, 16 years and over.....	4.8	4.4	4.2	4.1	-0.1
Adult men (20 years and over).....	4.6	4.1	3.9	3.8	-0.1
Adult women (20 years and over).....	4.3	4.0	3.9	3.6	-0.3
Teenagers (16 to 19 years).....	15.6	13.6	12.9	13.7	0.8
White.....	4.3	3.9	3.7	3.5	-0.2
Black or African American.....	8.6	7.7	7.0	7.5	0.5
Asian.....	3.4	4.0	3.7	3.1	-0.6
Hispanic or Latino ethnicity.....	5.7	5.2	5.1	4.8	-0.3
Total, 25 years and over.....	4.0	3.8	3.5	3.3	-0.2
Less than a high school diploma.....	7.4	6.0	6.5	5.7	-0.8
High school graduates, no college.....	5.5	5.1	4.3	4.3	0.0
Some college or associate degree.....	3.8	3.8	3.6	3.7	0.1
Bachelor's degree and higher.....	2.6	2.4	2.3	2.0	-0.3
<b>Reason for unemployment</b>					
Job losers and persons who completed temporary jobs.....	3,749	3,523	3,359	3,227	-132
Job leavers.....	945	804	738	742	4
Reentrants.....	2,339	2,132	2,079	2,006	-73
New entrants.....	791	656	669	629	-40
<b>Duration of unemployment</b>					
Less than 5 weeks.....	2,393	2,222	2,226	2,129	-97
5 to 14 weeks.....	2,273	2,015	1,874	1,942	68
15 to 26 weeks.....	1,167	1,055	963	853	-110
27 weeks and over.....	1,964	1,740	1,733	1,621	-112
<b>Employed persons at work part time</b>					
Part time for economic reasons.....	5,850	5,255	5,122	4,753	-369
Slack work or business conditions.....	3,481	3,266	3,121	2,952	-169
Could only find part-time work.....	2,093	1,645	1,733	1,629	-104
Part time for noneconomic reasons.....	20,765	21,447	21,011	20,923	-88
<b>Persons not in the labor force (not seasonally adjusted)</b>					
Marginally attached to the labor force.....	1,700	1,548	1,569	1,535	-
Discouraged workers.....	487	448	421	524	-

- 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>
<b>EMPLOYMENT BY SELECTED INDUSTRY</b> (Over-the-month change, in thousands)				
Total nonfarm.....	124	208	18	261
Total private.....	132	184	15	252
Goods-producing.....	9	73	18	33
Mining and logging.....	-2	5	1	-2
Construction.....	16	24	11	11
Manufacturing.....	-5	44	6	24
Durable goods <sup>1</sup> .....	-1	34	7	19
Motor vehicles and parts.....	2.5	23.4	-2.5	3.4
Nondurable goods.....	-4	10	-1	5
Private service-providing.....	123	111	-3	219
Wholesale trade.....	3.7	5.1	9.1	5.7
Retail trade.....	-6.8	-2.4	6.7	-8.3
Transportation and warehousing.....	11.8	6.7	25.1	8.4
Utilities.....	0.3	-0.2	0.4	0.0
Information.....	-6	0	-3	-1
Financial activities.....	6	10	13	5
Professional and business services <sup>1</sup> .....	55	47	22	50
Temporary help services.....	12.6	8.7	7.8	18.3
Education and health services <sup>1</sup> .....	45	46	22	41
Health care and social assistance.....	41.6	19.3	7.8	33.5
Leisure and hospitality.....	11	-9	-102	106
Other services.....	3	8	3	12
Government.....	-8	24	3	9
<b>(3-month average change, in thousands)</b>				
Total nonfarm.....	183	185	121	162
Total private.....	166	175	111	150
<b>WOMEN AND PRODUCTION AND NONSUPERVISORY EMPLOYEES</b> AS A PERCENT OF ALL EMPLOYEES <sup>2</sup>				
Total nonfarm women employees.....	49.6	49.5	49.5	49.5
Total private women employees.....	48.2	48.1	48.1	48.1
Total private production and nonsupervisory employees.....	82.3	82.4	82.4	82.4
<b>HOURS AND EARNINGS</b> ALL EMPLOYEES				
<b>Total private</b>				
Average weekly hours.....	34.4	34.4	34.4	34.4
Average hourly earnings.....	\$25.90	\$26.42	\$26.54	\$26.53
Average weekly earnings.....	\$890.96	\$908.85	\$912.98	\$912.63
Index of aggregate weekly hours (2007=100) <sup>3</sup> .....	105.9	107.4	107.4	107.6
Over-the-month percent change.....	0.1	0.2	0.0	0.2
Index of aggregate weekly payrolls (2007=100) <sup>4</sup> .....	131.2	135.6	136.3	136.5
Over-the-month percent change.....	0.5	0.2	0.5	0.1
<b>DIFFUSION INDEX</b> (Over 1-month span) <sup>5</sup>				
Total private (261 industries).....	60.9	63.4	61.1	59.6
Manufacturing (78 industries).....	51.3	70.5	58.3	62.2

<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 2016 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 147,000 businesses and government agencies, representing approximately 634,000 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 2012 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 120,000. 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 -70,000 to +170,000 (50,000 +/- 120,000). 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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>TOTAL</b>									
Civilian noninstitutional population.....	254,321	255,562	255,766	254,321	254,957	255,151	255,357	255,562	255,766
Civilian labor force.....	159,783	161,049	160,465	159,643	160,145	160,494	160,571	161,146	160,381
Participation rate.....	62.8	63.0	62.7	62.8	62.8	62.9	62.9	63.1	62.7
Employed.....	152,335	154,494	154,223	151,902	153,168	153,513	153,439	154,345	153,861
Employment-population ratio.....	59.9	60.5	60.3	59.7	60.1	60.2	60.1	60.4	60.2
Unemployed.....	7,447	6,556	6,242	7,740	6,977	6,981	7,132	6,801	6,520
Unemployment rate.....	4.7	4.1	3.9	4.8	4.4	4.3	4.4	4.2	4.1
Not in labor force.....	94,539	94,513	95,301	94,678	94,813	94,657	94,785	94,417	95,385
Persons who currently want a job.....	5,613	5,415	4,938	5,889	5,431	5,420	5,844	5,628	5,185
<b>Men, 16 years and over</b>									
Civilian noninstitutional population.....	122,889	123,516	123,617	122,889	123,215	123,311	123,413	123,516	123,617
Civilian labor force.....	84,991	85,516	85,236	84,994	84,992	84,989	85,137	85,520	85,230
Participation rate.....	69.2	69.2	69.0	69.2	69.0	68.9	69.0	69.2	68.9
Employed.....	80,966	82,119	81,875	80,717	81,290	81,273	81,310	81,883	81,659
Employment-population ratio.....	65.9	66.5	66.2	65.7	66.0	65.9	65.9	66.3	66.1
Unemployed.....	4,025	3,397	3,362	4,278	3,702	3,715	3,826	3,636	3,570
Unemployment rate.....	4.7	4.0	3.9	5.0	4.4	4.4	4.5	4.3	4.2
Not in labor force.....	37,898	37,999	38,380	37,895	38,223	38,323	38,277	37,996	38,387
<b>Men, 20 years and over</b>									
Civilian noninstitutional population.....	114,401	115,020	115,120	114,401	114,721	114,817	114,918	115,020	115,120
Civilian labor force.....	82,065	82,633	82,455	81,967	81,975	82,108	82,252	82,569	82,340
Participation rate.....	71.7	71.8	71.6	71.6	71.5	71.5	71.6	71.8	71.5
Employed.....	78,538	79,662	79,530	78,232	78,707	78,830	78,847	79,377	79,231
Employment-population ratio.....	68.7	69.3	69.1	68.4	68.6	68.7	68.6	69.0	68.8
Unemployed.....	3,527	2,972	2,925	3,735	3,268	3,278	3,405	3,192	3,109
Unemployment rate.....	4.3	3.6	3.5	4.6	4.0	4.0	4.1	3.9	3.8
Not in labor force.....	32,337	32,387	32,665	32,434	32,746	32,709	32,666	32,451	32,781
<b>Women, 16 years and over</b>									
Civilian noninstitutional population.....	131,432	132,047	132,149	131,432	131,742	131,840	131,943	132,047	132,149
Civilian labor force.....	74,791	75,533	75,228	74,648	75,153	75,505	75,435	75,626	75,152
Participation rate.....	56.9	57.2	56.9	56.8	57.0	57.3	57.2	57.3	56.9
Employed.....	71,369	72,375	72,348	71,185	71,878	72,240	72,129	72,461	72,202
Employment-population ratio.....	54.3	54.8	54.7	54.2	54.6	54.8	54.7	54.9	54.6
Unemployed.....	3,423	3,158	2,880	3,463	3,274	3,265	3,306	3,165	2,950
Unemployment rate.....	4.6	4.2	3.8	4.6	4.4	4.3	4.4	4.2	3.9
Not in labor force.....	56,640	56,514	56,921	56,783	56,590	56,334	56,509	56,421	56,998
<b>Women, 20 years and over</b>									
Civilian noninstitutional population.....	123,179	123,781	123,882	123,179	123,480	123,577	123,679	123,781	123,882
Civilian labor force.....	72,061	72,670	72,443	71,784	72,149	72,526	72,425	72,569	72,206
Participation rate.....	58.5	58.7	58.5	58.3	58.4	58.7	58.6	58.6	58.3
Employed.....	68,997	69,820	69,872	68,698	69,241	69,599	69,500	69,737	69,592
Employment-population ratio.....	56.0	56.4	56.4	55.8	56.1	56.3	56.2	56.3	56.2
Unemployed.....	3,064	2,849	2,571	3,085	2,907	2,927	2,925	2,831	2,615
Unemployment rate.....	4.3	3.9	3.5	4.3	4.0	4.0	4.0	3.9	3.6
Not in labor force.....	51,117	51,111	51,440	51,395	51,332	51,051	51,254	51,212	51,676
<b>Both sexes, 16 to 19 years</b>									
Civilian noninstitutional population.....	16,741	16,761	16,763	16,741	16,756	16,757	16,759	16,761	16,763
Civilian labor force.....	5,656	5,746	5,567	5,892	6,021	5,860	5,895	6,008	5,836
Participation rate.....	33.8	34.3	33.2	35.2	35.9	35.0	35.2	35.8	34.8
Employed.....	4,800	5,011	4,821	4,972	5,220	5,084	5,092	5,230	5,039
Employment-population ratio.....	28.7	29.9	28.8	29.7	31.2	30.3	30.4	31.2	30.1
Unemployed.....	856	735	746	920	801	775	803	778	797
Unemployment rate.....	15.1	12.8	13.4	15.6	13.3	13.2	13.6	12.9	13.7
Not in labor force.....	11,084	11,015	11,196	10,849	10,735	10,898	10,865	10,753	10,928

<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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>WHITE</b>									
Civilian noninstitutional population.....	198,633	199,191	199,298	198,633	198,872	198,974	199,082	199,191	199,298
Civilian labor force.....	124,779	125,320	124,777	124,700	124,890	124,968	125,037	125,393	124,731
Participation rate.....	62.8	62.9	62.6	62.8	62.8	62.8	62.8	63.0	62.6
Employed.....	119,677	120,857	120,692	119,310	120,091	120,262	120,209	120,753	120,408
Employment-population ratio.....	60.3	60.7	60.6	60.1	60.4	60.4	60.4	60.6	60.4
Unemployed.....	5,102	4,463	4,085	5,391	4,799	4,706	4,828	4,641	4,324
Unemployment rate.....	4.1	3.6	3.3	4.3	3.8	3.8	3.9	3.7	3.5
Not in labor force.....	73,854	73,871	74,520	73,932	73,982	74,006	74,046	73,797	74,567
<b>Men, 20 years and over</b>									
Civilian labor force.....	65,359	65,412	65,318	65,259	65,225	65,141	65,262	65,339	65,216
Participation rate.....	72.0	71.8	71.7	71.9	71.8	71.6	71.7	71.7	71.6
Employed.....	62,886	63,378	63,380	62,592	62,886	62,904	62,961	63,143	63,121
Employment-population ratio.....	69.3	69.6	69.6	68.9	69.2	69.2	69.2	69.3	69.3
Unemployed.....	2,473	2,034	1,937	2,668	2,339	2,238	2,301	2,196	2,095
Unemployment rate.....	3.8	3.1	3.0	4.1	3.6	3.4	3.5	3.4	3.2
<b>Women, 20 years and over</b>									
Civilian labor force.....	55,014	55,501	55,149	54,852	55,015	55,393	55,282	55,476	55,009
Participation rate.....	57.6	57.9	57.5	57.4	57.5	57.9	57.7	57.9	57.4
Employed.....	52,993	53,577	53,515	52,774	53,100	53,420	53,286	53,551	53,318
Employment-population ratio.....	55.5	55.9	55.8	55.3	55.5	55.8	55.7	55.9	55.6
Unemployed.....	2,021	1,924	1,635	2,078	1,915	1,973	1,996	1,925	1,691
Unemployment rate.....	3.7	3.5	3.0	3.8	3.5	3.6	3.6	3.5	3.1
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force.....	4,406	4,407	4,310	4,589	4,650	4,433	4,492	4,578	4,506
Participation rate.....	35.7	35.7	34.9	37.2	37.7	35.9	36.4	37.1	36.5
Employed.....	3,799	3,902	3,798	3,944	4,105	3,938	3,962	4,058	3,968
Employment-population ratio.....	30.8	31.6	30.8	31.9	33.3	31.9	32.1	32.9	32.2
Unemployed.....	608	505	513	645	545	495	530	520	538
Unemployment rate.....	13.8	11.5	11.9	14.1	11.7	11.2	11.8	11.4	11.9
<b>BLACK OR AFRICAN AMERICAN</b>									
Civilian noninstitutional population.....	32,028	32,333	32,370	32,028	32,226	32,260	32,296	32,333	32,370
Civilian labor force.....	19,904	20,227	20,264	19,801	20,002	20,096	20,092	20,232	20,144
Participation rate.....	62.1	62.6	62.6	61.8	62.1	62.3	62.2	62.6	62.2
Employed.....	18,222	18,842	18,744	18,104	18,576	18,617	18,544	18,819	18,636
Employment-population ratio.....	56.9	58.3	57.9	56.5	57.6	57.7	57.4	58.2	57.6
Unemployed.....	1,682	1,385	1,520	1,696	1,426	1,479	1,548	1,413	1,508
Unemployment rate.....	8.4	6.8	7.5	8.6	7.1	7.4	7.7	7.0	7.5
Not in labor force.....	12,124	12,106	12,106	12,228	12,224	12,163	12,204	12,101	12,225
<b>Men, 20 years and over</b>									
Civilian labor force.....	9,046	9,315	9,276	9,011	9,084	9,163	9,205	9,279	9,225
Participation rate.....	67.8	69.0	68.6	67.5	67.5	68.0	68.2	68.7	68.2
Employed.....	8,284	8,708	8,580	8,223	8,510	8,522	8,487	8,654	8,530
Employment-population ratio.....	62.1	64.5	63.4	61.6	63.3	63.3	62.9	64.1	63.1
Unemployed.....	762	606	696	789	574	641	718	625	694
Unemployment rate.....	8.4	6.5	7.5	8.8	6.3	7.0	7.8	6.7	7.5
<b>Women, 20 years and over</b>									
Civilian labor force.....	10,160	10,153	10,291	10,079	10,143	10,170	10,127	10,149	10,200
Participation rate.....	62.8	62.2	63.0	62.3	62.4	62.5	62.1	62.2	62.4
Employed.....	9,419	9,549	9,609	9,367	9,455	9,511	9,474	9,541	9,542
Employment-population ratio.....	58.3	58.5	58.8	57.9	58.1	58.4	58.1	58.5	58.4
Unemployed.....	740	604	682	712	689	660	653	608	657
Unemployment rate.....	7.3	5.9	6.6	7.1	6.8	6.5	6.4	6.0	6.4
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force.....	698	759	697	710	774	763	760	804	720
Participation rate.....	27.7	30.2	27.8	28.2	30.8	30.4	30.3	32.0	28.7
Employed.....	518	584	555	515	611	585	583	624	564
Employment-population ratio.....	20.6	23.3	22.1	20.5	24.3	23.3	23.2	24.9	22.5
Unemployed.....	180	174	142	196	163	178	178	180	156
Unemployment rate.....	25.8	23.0	20.4	27.5	21.1	23.3	23.4	22.4	21.7

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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>ASIAN</b>									
Civilian noninstitutional population.....	15,344	15,483	15,466	15,344	15,367	15,290	15,341	15,483	15,466
Civilian labor force.....	9,717	9,973	9,794	9,797	9,792	9,789	9,886	10,005	9,871
Participation rate.....	63.3	64.4	63.3	63.8	63.7	64.0	64.4	64.6	63.8
Employed.....	9,393	9,619	9,507	9,462	9,443	9,418	9,489	9,638	9,569
Employment-population ratio.....	61.2	62.1	61.5	61.7	61.4	61.6	61.9	62.3	61.9
Unemployed.....	324	353	288	334	350	370	397	366	302
Unemployment rate.....	3.3	3.5	2.9	3.4	3.6	3.8	4.0	3.7	3.1
Not in labor force.....	5,627	5,510	5,671	5,547	5,575	5,502	5,455	5,478	5,594

<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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>HISPANIC OR LATINO ETHNICITY</b>									
Civilian noninstitutional population.....	41,011	41,579	41,665	41,011	41,323	41,404	41,492	41,579	41,665
Civilian labor force.....	26,954	27,599	27,328	26,931	27,290	27,487	27,322	27,633	27,323
Participation rate.....	65.7	66.4	65.6	65.7	66.0	66.4	65.8	66.5	65.6
Employed.....	25,482	26,270	26,077	25,389	25,974	26,078	25,914	26,229	26,002
Employment-population ratio.....	62.1	63.2	62.6	61.9	62.9	63.0	62.5	63.1	62.4
Unemployed.....	1,472	1,329	1,250	1,542	1,315	1,409	1,408	1,404	1,321
Unemployment rate.....	5.5	4.8	4.6	5.7	4.8	5.1	5.2	5.1	4.8
Not in labor force.....	14,057	13,980	14,337	14,080	14,034	13,917	14,170	13,946	14,342
<b>Men, 20 years and over</b>									
Civilian labor force.....	14,902	15,124	14,987	14,861	14,976	15,085	15,017	15,119	14,958
Participation rate.....	80.6	80.8	79.9	80.4	80.5	80.9	80.4	80.8	79.7
Employed.....	14,208	14,584	14,459	14,118	14,414	14,425	14,298	14,507	14,379
Employment-population ratio.....	76.8	77.9	77.1	76.4	77.5	77.4	76.5	77.5	76.6
Unemployed.....	694	540	528	743	562	660	719	612	579
Unemployment rate.....	4.7	3.6	3.5	5.0	3.8	4.4	4.8	4.0	3.9
<b>Women, 20 years and over</b>									
Civilian labor force.....	10,917	11,251	11,158	10,912	11,030	11,176	11,091	11,256	11,158
Participation rate.....	58.3	59.2	58.6	58.3	58.4	59.1	58.5	59.2	58.6
Employed.....	10,344	10,630	10,639	10,314	10,451	10,580	10,570	10,643	10,612
Employment-population ratio.....	55.3	55.9	55.9	55.1	55.4	55.9	55.8	56.0	55.7
Unemployed.....	573	621	519	598	579	596	521	613	545
Unemployment rate.....	5.2	5.5	4.6	5.5	5.3	5.3	4.7	5.4	4.9
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force.....	1,135	1,224	1,184	1,158	1,284	1,227	1,214	1,258	1,207
Participation rate.....	29.8	31.7	30.6	30.5	33.4	31.9	31.5	32.6	31.2
Employed.....	930	1,056	980	958	1,110	1,073	1,046	1,078	1,011
Employment-population ratio.....	24.5	27.4	25.3	25.2	28.9	27.9	27.1	27.9	26.1
Unemployed.....	205	168	204	200	174	154	169	179	196
Unemployment rate.....	18.0	13.7	17.2	17.3	13.6	12.5	13.9	14.3	16.3

<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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>Less than a high school diploma</b>									
Civilian labor force.....	10,450	10,611	10,141	10,657	10,304	10,570	10,565	10,575	10,302
Participation rate.....	44.4	46.4	45.3	45.3	45.3	47.3	46.2	46.3	46.1
Employed.....	9,753	9,985	9,624	9,872	9,649	9,842	9,933	9,891	9,717
Employment-population ratio.....	41.5	43.7	43.0	42.0	42.4	44.0	43.4	43.3	43.5
Unemployed.....	698	626	516	784	655	728	632	684	585
Unemployment rate.....	6.7	5.9	5.1	7.4	6.4	6.9	6.0	6.5	5.7
<b>High school graduates, no college<sup>1</sup></b>									
Civilian labor force.....	36,168	36,147	35,788	35,871	35,850	35,648	35,931	35,904	35,586
Participation rate.....	58.3	57.8	57.2	57.8	57.8	57.7	57.6	57.4	56.9
Employed.....	34,314	34,676	34,358	33,912	34,196	34,038	34,106	34,367	34,062
Employment-population ratio.....	55.3	55.4	54.9	54.6	55.2	55.1	54.7	54.9	54.5
Unemployed.....	1,854	1,471	1,431	1,959	1,653	1,610	1,825	1,537	1,523
Unemployment rate.....	5.1	4.1	4.0	5.5	4.6	4.5	5.1	4.3	4.3
<b>Some college or associate degree</b>									
Civilian labor force.....	38,196	37,583	37,987	38,119	37,579	37,475	37,388	37,659	37,785
Participation rate.....	66.5	65.9	66.2	66.4	65.6	65.4	65.9	66.1	65.8
Employed.....	36,773	36,249	36,636	36,666	36,150	36,077	35,978	36,306	36,402
Employment-population ratio.....	64.1	63.6	63.8	63.9	63.1	63.0	63.4	63.7	63.4
Unemployed.....	1,423	1,333	1,351	1,453	1,429	1,397	1,411	1,353	1,383
Unemployment rate.....	3.7	3.5	3.6	3.8	3.8	3.7	3.8	3.6	3.7
<b>Bachelor's degree and higher<sup>2</sup></b>									
Civilian labor force.....	54,179	55,711	55,728	54,064	55,283	55,696	55,595	55,655	55,587
Participation rate.....	74.3	74.2	73.9	74.1	73.9	73.7	73.9	74.2	73.7
Employed.....	52,801	54,464	54,604	52,683	53,982	54,378	54,250	54,395	54,453
Employment-population ratio.....	72.4	72.6	72.4	72.2	72.2	72.0	72.1	72.5	72.2
Unemployed.....	1,378	1,247	1,124	1,380	1,302	1,318	1,345	1,260	1,134
Unemployment rate.....	2.5	2.2	2.0	2.6	2.4	2.4	2.4	2.3	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. 2016	Oct. 2017	Oct. 2016	Oct. 2017	Oct. 2016	Oct. 2017
<b>VETERANS, 18 years and over</b>						
Civilian noninstitutional population.....	20,808	20,493	18,789	18,457	2,019	2,036
Civilian labor force.....	10,678	10,184	9,362	8,958	1,316	1,227
Participation rate.....	51.3	49.7	49.8	48.5	65.2	60.2
Employed.....	10,218	9,906	8,976	8,705	1,242	1,201
Employment-population ratio.....	49.1	48.3	47.8	47.2	61.5	59.0
Unemployed.....	460	278	387	253	74	26
Unemployment rate.....	4.3	2.7	4.1	2.8	5.6	2.1
Not in labor force.....	10,130	10,309	9,427	9,499	703	809
<b>Gulf War-era II veterans</b>						
Civilian noninstitutional population.....	3,932	4,161	3,258	3,421	674	740
Civilian labor force.....	3,258	3,316	2,730	2,816	528	500
Participation rate.....	82.9	79.7	83.8	82.3	78.3	67.5
Employed.....	3,105	3,196	2,601	2,713	504	483
Employment-population ratio.....	79.0	76.8	79.8	79.3	74.7	65.3
Unemployed.....	153	120	130	104	24	16
Unemployment rate.....	4.7	3.6	4.7	3.7	4.5	3.3
Not in labor force.....	674	845	527	605	147	241
<b>Gulf War-era I veterans</b>						
Civilian noninstitutional population.....	3,381	3,365	2,847	2,863	534	502
Civilian labor force.....	2,701	2,618	2,290	2,253	411	365
Participation rate.....	79.9	77.8	80.4	78.7	77.1	72.7
Employed.....	2,603	2,570	2,217	2,214	386	356
Employment-population ratio.....	77.0	76.4	77.9	77.3	72.3	70.9
Unemployed.....	98	49	73	40	25	9
Unemployment rate.....	3.6	1.9	3.2	1.8	6.1	2.5
Not in labor force.....	680	746	557	610	122	137
<b>World War II, Korean War, and Vietnam-era veterans</b>						
Civilian noninstitutional population.....	8,373	7,964	8,073	7,676	300	288
Civilian labor force.....	2,089	1,779	2,005	1,708	85	71
Participation rate.....	25.0	22.3	24.8	22.3	28.2	24.6
Employed.....	1,998	1,730	1,921	1,659	77	71
Employment-population ratio.....	23.9	21.7	23.8	21.6	25.7	24.6
Unemployed.....	91	50	84	50	8	0
Unemployment rate.....	4.4	2.8	4.2	2.9	8.9	-
Not in labor force.....	6,284	6,185	6,068	5,968	215	217
<b>Veterans of other service periods</b>						
Civilian noninstitutional population.....	5,122	5,003	4,611	4,497	511	506
Civilian labor force.....	2,629	2,471	2,337	2,179	292	291
Participation rate.....	51.3	49.4	50.7	48.5	57.2	57.5
Employed.....	2,512	2,411	2,237	2,120	275	291
Employment-population ratio.....	49.0	48.2	48.5	47.2	53.8	57.5
Unemployed.....	117	60	100	59	17	0
Unemployment rate.....	4.5	2.4	4.3	2.7	5.9	0.1
Not in labor force.....	2,493	2,532	2,274	2,318	219	215
<b>NONVETERANS, 18 years and over</b>						
Civilian noninstitutional population.....	224,455	225,807	99,594	100,389	124,862	125,418
Civilian labor force.....	147,077	148,074	74,701	75,253	72,376	72,821
Participation rate.....	65.5	65.6	75.0	75.0	58.0	58.1
Employed.....	140,458	142,414	71,247	72,312	69,211	70,101
Employment-population ratio.....	62.6	63.1	71.5	72.0	55.4	55.9
Unemployed.....	6,619	5,660	3,454	2,941	3,165	2,719
Unemployment rate.....	4.5	3.8	4.6	3.9	4.4	3.7
Not in labor force.....	77,379	77,734	24,893	25,136	52,486	52,598

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. 2016	Oct. 2017	Oct. 2016	Oct. 2017
<b>TOTAL, 16 years and over</b>				
Civilian noninstitutional population.....	30,227	30,255	224,094	225,511
Civilian labor force.....	6,052	6,360	153,730	154,105
Participation rate.....	20.0	21.0	68.6	68.3
Employed.....	5,454	5,877	146,881	148,346
Employment-population ratio.....	18.0	19.4	65.5	65.8
Unemployed.....	598	482	6,849	5,760
Unemployment rate.....	9.9	7.6	4.5	3.7
Not in labor force.....	24,175	23,895	70,363	71,406
<b>Men, 16 to 64 years</b>				
Civilian labor force.....	2,662	2,805	77,065	77,085
Participation rate.....	34.1	36.5	82.5	82.4
Employed.....	2,406	2,588	73,511	74,130
Employment-population ratio.....	30.8	33.7	78.7	79.2
Unemployed.....	256	217	3,555	2,955
Unemployment rate.....	9.6	7.8	4.6	3.8
Not in labor force.....	5,143	4,872	16,362	16,478
<b>Women, 16 to 64 years</b>				
Civilian labor force.....	2,265	2,347	68,387	68,608
Participation rate.....	28.5	30.2	70.8	71.0
Employed.....	1,991	2,133	65,381	66,080
Employment-population ratio.....	25.1	27.4	67.7	68.3
Unemployed.....	275	214	3,006	2,528
Unemployment rate.....	12.1	9.1	4.4	3.7
Not in labor force.....	5,675	5,433	28,222	28,086
<b>Both sexes, 65 years and over</b>				
Civilian labor force.....	1,125	1,208	8,278	8,412
Participation rate.....	7.8	8.2	24.3	23.9
Employed.....	1,057	1,156	7,989	8,136
Employment-population ratio.....	7.3	7.8	23.5	23.1
Unemployed.....	68	51	289	276
Unemployment rate.....	6.0	4.2	3.5	3.3
Not in labor force.....	13,357	13,590	25,779	26,841

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. 2016	Oct. 2017	Oct. 2016	Oct. 2017	Oct. 2016	Oct. 2017
<b>Foreign born, 16 years and over</b>						
Civilian noninstitutional population.....	41,785	41,668	20,153	20,191	21,632	21,476
Civilian labor force.....	27,060	27,374	15,485	15,774	11,575	11,600
Participation rate.....	64.8	65.7	76.8	78.1	53.5	54.0
Employed.....	25,965	26,343	14,913	15,296	11,051	11,046
Employment-population ratio.....	62.1	63.2	74.0	75.8	51.1	51.4
Unemployed.....	1,096	1,031	572	477	524	554
Unemployment rate.....	4.0	3.8	3.7	3.0	4.5	4.8
Not in labor force.....	14,725	14,294	4,668	4,417	10,057	9,877
<b>Native born, 16 years and over</b>						
Civilian noninstitutional population.....	212,536	214,099	102,736	103,426	109,799	110,673
Civilian labor force.....	132,722	133,091	69,506	69,463	63,216	63,629
Participation rate.....	62.4	62.2	67.7	67.2	57.6	57.5
Employed.....	126,370	127,880	66,053	66,578	60,317	61,302
Employment-population ratio.....	59.5	59.7	64.3	64.4	54.9	55.4
Unemployed.....	6,352	5,211	3,453	2,884	2,899	2,327
Unemployment rate.....	4.8	3.9	5.0	4.2	4.6	3.7
Not in labor force.....	79,814	81,007	33,230	33,963	46,583	47,044

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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>CLASS OF WORKER</b>									
Agriculture and related industries.....	2,408	2,367	2,559	2,317	2,457	2,317	2,339	2,307	2,460
Wage and salary workers <sup>1</sup> .....	1,575	1,616	1,814	1,493	1,611	1,582	1,584	1,547	1,722
Self-employed workers, unincorporated.....	810	732	721	817	818	708	722	746	739
Unpaid family workers.....	23	19	24	-	-	-	-	-	-
Nonagricultural industries.....	149,927	152,126	151,664	149,604	150,848	151,208	151,143	152,093	151,357
Wage and salary workers <sup>1</sup> .....	141,123	143,214	142,564	140,806	141,989	142,714	142,466	143,106	142,285
Government.....	20,746	20,873	20,753	20,698	20,868	21,052	21,080	20,947	20,737
Private industries.....	120,377	122,341	121,811	120,073	121,053	121,627	121,366	122,188	121,582
Private households.....	757	583	571	-	-	-	-	-	-
Other industries.....	119,620	121,758	121,240	119,325	120,457	120,964	120,712	121,570	121,018
Self-employed workers, unincorporated.....	8,748	8,871	9,067	8,731	8,753	8,475	8,602	8,856	8,961
Unpaid family workers.....	57	42	33	-	-	-	-	-	-
<b>PERSONS AT WORK PART TIME<sup>2</sup></b>									
<b>  All industries</b>									
Part time for economic reasons <sup>3</sup> .....	5,648	4,818	4,553	5,850	5,326	5,282	5,255	5,122	4,753
Slack work or business conditions.....	3,321	2,908	2,762	3,481	3,286	3,161	3,266	3,121	2,952
Could only find part-time work.....	2,085	1,702	1,609	2,093	1,727	1,754	1,645	1,733	1,629
Part time for noneconomic reasons <sup>4</sup> .....	21,265	21,001	21,395	20,765	20,791	21,260	21,447	21,011	20,923
<b>    Nonagricultural industries</b>									
Part time for economic reasons <sup>3</sup> .....	5,567	4,740	4,496	5,748	5,282	5,231	5,179	5,032	4,696
Slack work or business conditions.....	3,269	2,864	2,734	3,415	3,249	3,137	3,217	3,071	2,943
Could only find part-time work.....	2,079	1,682	1,594	2,082	1,720	1,739	1,633	1,713	1,613
Part time for noneconomic reasons <sup>4</sup> .....	20,930	20,677	21,034	20,455	20,443	20,909	21,087	20,689	20,604

<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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>AGE AND SEX</b>									
Total, 16 years and over.....	152,335	154,494	154,223	151,902	153,168	153,513	153,439	154,345	153,861
16 to 19 years.....	4,800	5,011	4,821	4,972	5,220	5,084	5,092	5,230	5,039
16 to 17 years.....	1,659	2,036	1,903	1,665	1,931	1,816	1,918	1,983	1,944
18 to 19 years.....	3,141	2,975	2,918	3,283	3,285	3,265	3,165	3,229	3,079
20 years and over.....	147,535	149,482	149,402	146,930	147,949	148,429	148,347	149,114	148,823
20 to 24 years.....	13,895	14,108	14,180	13,889	13,992	14,199	14,209	14,235	14,216
25 years and over.....	133,640	135,375	135,222	133,100	134,010	134,349	134,125	134,845	134,651
25 to 54 years.....	98,806	99,686	99,584	98,442	98,666	98,906	98,559	99,222	99,178
25 to 34 years.....	34,015	34,793	34,755	33,934	34,404	34,500	34,310	34,655	34,664
35 to 44 years.....	31,758	32,232	32,254	31,604	31,913	31,889	31,824	32,035	32,082
45 to 54 years.....	33,034	32,661	32,574	32,904	32,349	32,517	32,425	32,533	32,432
55 years and over.....	34,834	35,688	35,638	34,658	35,344	35,442	35,566	35,622	35,472
Men, 16 years and over.....	80,966	82,119	81,875	80,717	81,290	81,273	81,310	81,883	81,659
16 to 19 years.....	2,429	2,457	2,345	2,485	2,583	2,443	2,463	2,506	2,428
16 to 17 years.....	743	932	857	754	893	798	883	903	895
18 to 19 years.....	1,685	1,525	1,488	1,725	1,677	1,643	1,574	1,609	1,532
20 years and over.....	78,538	79,662	79,530	78,232	78,707	78,830	78,847	79,377	79,231
20 to 24 years.....	7,105	7,263	7,248	7,122	7,240	7,351	7,369	7,326	7,296
25 years and over.....	71,433	72,398	72,282	71,128	71,488	71,551	71,470	72,002	71,939
25 to 54 years.....	52,815	53,247	53,242	52,627	52,657	52,692	52,531	52,956	53,018
25 to 34 years.....	18,273	18,684	18,655	18,223	18,425	18,473	18,420	18,599	18,598
35 to 44 years.....	17,126	17,361	17,414	17,038	17,226	17,129	17,085	17,255	17,314
45 to 54 years.....	17,416	17,202	17,173	17,365	17,006	17,091	17,026	17,102	17,106
55 years and over.....	18,618	19,152	19,040	18,502	18,831	18,858	18,939	19,047	18,921
Women, 16 years and over.....	71,369	72,375	72,348	71,185	71,878	72,240	72,129	72,461	72,202
16 to 19 years.....	2,372	2,554	2,477	2,487	2,637	2,641	2,629	2,724	2,611
16 to 17 years.....	916	1,104	1,046	911	1,038	1,018	1,036	1,080	1,049
18 to 19 years.....	1,456	1,450	1,430	1,558	1,608	1,621	1,591	1,620	1,547
20 years and over.....	68,997	69,820	69,872	68,698	69,241	69,599	69,500	69,737	69,592
20 to 24 years.....	6,790	6,844	6,932	6,767	6,752	6,849	6,841	6,909	6,920
25 years and over.....	62,207	62,976	62,940	61,972	62,522	62,798	62,655	62,842	62,711
25 to 54 years.....	45,991	46,440	46,342	45,815	46,010	46,214	46,027	46,267	46,160
25 to 34 years.....	15,741	16,110	16,100	15,710	15,980	16,027	15,890	16,056	16,066
35 to 44 years.....	14,632	14,871	14,840	14,566	14,687	14,760	14,739	14,780	14,768
45 to 54 years.....	15,618	15,460	15,401	15,539	15,343	15,427	15,399	15,431	15,326
55 years and over.....	16,216	16,536	16,598	16,157	16,513	16,584	16,628	16,576	16,551
<b>MARITAL STATUS</b>									
Married men, spouse present <sup>1</sup> .....	45,445	45,846	45,886	45,331	45,913	45,574	45,327	45,646	45,826
Married women, spouse present <sup>1</sup> .....	35,608	35,696	36,072	35,404	35,803	35,946	35,475	35,571	35,873
Women who maintain families <sup>2</sup> .....	10,034	9,673	9,829	-	-	-	-	-	-
<b>FULL- OR PART-TIME STATUS</b>									
Full-time workers <sup>3</sup> .....	124,588	127,235	127,055	124,190	125,975	125,921	125,755	126,690	126,667
Part-time workers <sup>4</sup> .....	27,747	27,259	27,168	27,770	27,142	27,535	27,569	27,650	27,235
<b>MULTIPLE JOBHOLDERS</b>									
Total multiple jobholders.....	8,050	7,359	7,409	7,758	7,639	7,589	7,346	7,366	7,188
Percent of total employed.....	5.3	4.8	4.8	5.1	5.0	4.9	4.8	4.8	4.7
<b>SELF-EMPLOYMENT</b>									
Self-employed workers, incorporated.....	5,704	5,974	6,171	-	-	-	-	-	-
Self-employed workers, unincorporated.....	9,558	9,602	9,789	9,549	9,571	9,183	9,325	9,603	9,700

<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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>AGE AND SEX</b>									
Total, 16 years and over.....	7,740	6,801	6,520	4.8	4.4	4.3	4.4	4.2	4.1
16 to 19 years.....	920	778	797	15.6	13.3	13.2	13.6	12.9	13.7
16 to 17 years.....	412	313	334	19.8	13.9	15.5	14.7	13.6	14.7
18 to 19 years.....	511	472	466	13.5	13.2	11.6	13.1	12.8	13.1
20 years and over.....	6,820	6,023	5,723	4.4	4.0	4.0	4.1	3.9	3.7
20 to 24 years.....	1,270	1,160	1,105	8.4	7.5	7.4	7.1	7.5	7.2
25 years and over.....	5,561	4,877	4,608	4.0	3.7	3.6	3.8	3.5	3.3
25 to 54 years.....	4,255	3,684	3,501	4.1	3.8	3.8	4.0	3.6	3.4
25 to 34 years.....	1,816	1,588	1,602	5.1	4.4	4.6	4.9	4.4	4.4
35 to 44 years.....	1,284	1,051	1,003	3.9	3.4	3.6	3.4	3.2	3.0
45 to 54 years.....	1,155	1,045	895	3.4	3.6	3.2	3.6	3.1	2.7
55 years and over.....	1,329	1,175	1,128	3.7	3.2	3.2	3.2	3.2	3.1
Men, 16 years and over.....	4,278	3,636	3,570	5.0	4.4	4.4	4.5	4.3	4.2
16 to 19 years.....	543	444	462	17.9	14.4	15.2	14.6	15.1	16.0
16 to 17 years.....	212	164	186	22.0	14.4	17.9	15.0	15.4	17.2
18 to 19 years.....	334	289	286	16.2	14.8	13.4	14.7	15.2	15.7
20 years and over.....	3,735	3,192	3,109	4.6	4.0	4.0	4.1	3.9	3.8
20 to 24 years.....	769	692	639	9.7	8.4	8.0	7.6	8.6	8.0
25 years and over.....	2,977	2,518	2,468	4.0	3.5	3.6	3.8	3.4	3.3
25 to 54 years.....	2,229	1,907	1,830	4.1	3.7	3.8	4.0	3.5	3.3
25 to 34 years.....	985	842	849	5.1	4.5	4.5	5.0	4.3	4.4
35 to 44 years.....	664	519	502	3.8	3.2	3.5	3.3	2.9	2.8
45 to 54 years.....	580	545	479	3.2	3.4	3.2	3.5	3.1	2.7
55 years and over.....	748	611	638	3.9	3.0	2.9	3.2	3.1	3.3
Women, 16 years and over.....	3,463	3,165	2,950	4.6	4.4	4.3	4.4	4.2	3.9
16 to 19 years.....	377	333	335	13.2	12.2	11.3	12.7	10.9	11.4
16 to 17 years.....	199	149	148	18.0	13.5	13.5	14.3	12.1	12.4
18 to 19 years.....	178	184	180	10.2	11.3	9.7	11.5	10.2	10.4
20 years and over.....	3,085	2,831	2,615	4.3	4.0	4.0	4.0	3.9	3.6
20 to 24 years.....	502	468	466	6.9	6.4	6.7	6.6	6.3	6.3
25 years and over.....	2,584	2,359	2,140	4.0	3.8	3.7	3.8	3.6	3.3
25 to 54 years.....	2,026	1,777	1,671	4.2	3.9	3.8	4.0	3.7	3.5
25 to 34 years.....	832	745	754	5.0	4.2	4.6	4.8	4.4	4.5
35 to 44 years.....	620	532	501	4.1	3.6	3.7	3.6	3.5	3.3
45 to 54 years.....	575	500	416	3.6	3.9	3.2	3.6	3.1	2.6
55 years and over.....	580	571	496	3.5	3.4	3.4	3.1	3.3	2.9
<b>MARITAL STATUS</b>									
Married men, spouse present <sup>1</sup> .....	1,300	1,059	944	2.8	2.2	2.4	2.6	2.3	2.0
Married women, spouse present <sup>1</sup> .....	1,087	915	887	3.0	2.8	2.9	2.8	2.5	2.4
Women who maintain families <sup>2</sup> .....	652	672	578	6.1	6.9	6.8	7.2	6.5	5.6
<b>FULL- OR PART-TIME STATUS</b>									
Full-time workers <sup>3</sup> .....	6,283	5,556	5,230	4.8	4.4	4.3	4.5	4.2	4.0
Part-time workers <sup>4</sup> .....	1,466	1,230	1,282	5.0	4.2	4.5	4.4	4.3	4.5

<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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>NUMBER OF UNEMPLOYED</b>									
Job losers and persons who completed temporary jobs.....	3,352	2,992	2,859	3,749	3,444	3,378	3,523	3,359	3,227
On temporary layoff.....	673	568	561	994	900	1,044	1,032	895	842
Not on temporary layoff.....	2,679	2,424	2,298	2,755	2,545	2,334	2,490	2,464	2,384
Permanent job losers.....	1,856	1,742	1,648	1,906	1,758	1,676	1,799	1,759	1,709
Persons who completed temporary jobs....	823	682	650	848	787	658	691	705	676
Job leavers.....	975	805	763	945	820	757	804	738	742
Reentrants.....	2,374	2,127	2,040	2,339	2,043	2,083	2,132	2,079	2,006
New entrants.....	746	631	580	791	682	703	656	669	629
<b>PERCENT DISTRIBUTION</b>									
Job losers and persons who completed temporary jobs.....	45.0	45.6	45.8	47.9	49.3	48.8	49.5	49.1	48.9
On temporary layoff.....	9.0	8.7	9.0	12.7	12.9	15.1	14.5	13.1	12.8
Not on temporary layoff.....	36.0	37.0	36.8	35.2	36.4	33.7	35.0	36.0	36.1
Job leavers.....	13.1	12.3	12.2	12.1	11.7	10.9	11.3	10.8	11.2
Reentrants.....	31.9	32.4	32.7	29.9	29.2	30.1	30.0	30.4	30.4
New entrants.....	10.0	9.6	9.3	10.1	9.8	10.2	9.2	9.8	9.5
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>									
Job losers and persons who completed temporary jobs.....	2.1	1.9	1.8	2.3	2.2	2.1	2.2	2.1	2.0
Job leavers.....	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
Reentrants.....	1.5	1.3	1.3	1.5	1.3	1.3	1.3	1.3	1.3
New entrants.....	0.5	0.4	0.4	0.5	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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
<b>NUMBER OF UNEMPLOYED</b>									
Less than 5 weeks.....	2,218	2,227	1,958	2,393	2,305	2,133	2,222	2,226	2,129
5 to 14 weeks.....	2,142	1,740	1,839	2,273	1,933	2,017	2,015	1,874	1,942
15 weeks and over.....	3,087	2,589	2,445	3,130	2,612	2,742	2,795	2,696	2,474
15 to 26 weeks.....	1,157	889	847	1,167	948	957	1,055	963	853
27 weeks and over.....	1,930	1,700	1,598	1,964	1,664	1,785	1,740	1,733	1,621
Average (mean) duration, in weeks.....	27.9	26.9	27.1	27.0	24.7	24.9	24.4	26.8	26.0
Median duration, in weeks.....	10.5	10.3	10.1	10.2	9.6	10.6	10.5	10.3	9.9
<b>PERCENT DISTRIBUTION</b>									
Less than 5 weeks.....	29.8	34.0	31.4	30.7	33.6	30.9	31.6	32.8	32.5
5 to 14 weeks.....	28.8	26.5	29.5	29.2	28.2	29.3	28.7	27.6	29.7
15 weeks and over.....	41.5	39.5	39.2	40.1	38.1	39.8	39.7	39.7	37.8
15 to 26 weeks.....	15.5	13.6	13.6	15.0	13.8	13.9	15.0	14.2	13.0
27 weeks and over.....	25.9	25.9	25.6	25.2	24.3	25.9	24.7	25.5	24.8

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. 2016	Oct. 2017	Oct. 2016	Oct. 2017	Oct. 2016	Oct. 2017
Total, 16 years and over <sup>1</sup> .....	152,335	154,223	7,447	6,242	4.7	3.9
Management, professional, and related occupations.....	59,766	61,062	1,506	1,285	2.5	2.1
Management, business, and financial operations occupations.....	24,922	25,620	646	498	2.5	1.9
Professional and related occupations.....	34,844	35,442	860	787	2.4	2.2
Service occupations.....	27,013	27,075	1,749	1,444	6.1	5.1
Sales and office occupations.....	33,538	33,633	1,474	1,363	4.2	3.9
Sales and related occupations.....	15,757	15,795	730	656	4.4	4.0
Office and administrative support occupations.....	17,781	17,838	744	707	4.0	3.8
Natural resources, construction, and maintenance occupations.....	13,993	14,324	873	724	5.9	4.8
Farming, fishing, and forestry occupations.....	1,037	1,222	78	67	7.0	5.2
Construction and extraction occupations.....	7,933	8,183	594	495	7.0	5.7
Installation, maintenance, and repair occupations.....	5,023	4,920	202	163	3.9	3.2
Production, transportation, and material moving occupations.....	18,025	18,129	1,078	833	5.6	4.4
Production occupations.....	8,410	8,575	488	311	5.5	3.5
Transportation and material moving occupations.....	9,614	9,554	590	522	5.8	5.2

<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. 2016	Oct. 2017	Oct. 2016	Oct. 2017
Total, 16 years and over <sup>1</sup> .....	7,447	6,242	4.7	3.9
Nonagricultural private wage and salary workers.....	5,689	4,810	4.5	3.8
Mining, quarrying, and oil and gas extraction.....	46	39	5.8	4.8
Construction.....	512	418	5.7	4.5
Manufacturing.....	693	501	4.3	3.2
Durable goods.....	432	314	4.3	3.2
Nondurable goods.....	260	187	4.3	3.2
Wholesale and retail trade.....	898	849	4.4	4.2
Transportation and utilities.....	251	284	3.7	4.1
Information.....	114	105	4.1	3.9
Financial activities.....	264	214	2.7	2.2
Professional and business services.....	924	715	5.5	4.1
Education and health services.....	795	677	3.4	2.9
Leisure and hospitality.....	928	796	6.7	5.8
Other services.....	263	210	4.0	3.1
Agriculture and related private wage and salary workers.....	85	79	5.3	4.3
Government workers.....	470	462	2.2	2.2
Self-employed workers, unincorporated, and unpaid family workers.....	456	311	4.5	3.1

<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. 2016	Sept. 2017	Oct. 2017	Oct. 2016	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017
U-1 Persons unemployed 15 weeks or longer, as a percent of the civilian labor force.....	1.9	1.6	1.5	2.0	1.6	1.7	1.7	1.7	1.5
U-2 Job losers and persons who completed temporary jobs, as a percent of the civilian labor force.....	2.1	1.9	1.8	2.3	2.2	2.1	2.2	2.1	2.0
U-3 Total unemployed, as a percent of the civilian labor force (official unemployment rate).....	4.7	4.1	3.9	4.8	4.4	4.3	4.4	4.2	4.1
U-4 Total unemployed plus discouraged workers, as a percent of the civilian labor force plus discouraged workers.....	5.0	4.3	4.2	5.1	4.7	4.7	4.7	4.5	4.4
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.....	5.7	5.0	4.8	5.9	5.3	5.3	5.4	5.1	5.0
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.....	9.2	8.0	7.6	9.5	8.6	8.6	8.6	8.3	7.9

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. 2016	Oct. 2017	Oct. 2016	Oct. 2017	Oct. 2016	Oct. 2017
<b>NOT IN THE LABOR FORCE</b>						
Total not in the labor force.....	94,539	95,301	37,898	38,380	56,640	56,921
Persons who currently want a job.....	5,613	4,938	2,633	2,287	2,979	2,650
Marginally attached to the labor force <sup>1</sup> .....	1,700	1,535	880	837	820	698
Discouraged workers <sup>2</sup> .....	487	524	288	335	199	190
Other persons marginally attached to the labor force <sup>3</sup> ..	1,213	1,010	592	503	621	508
<b>MULTIPLE JOBHOLDERS</b>						
Total multiple jobholders <sup>4</sup> .....	8,050	7,409	3,878	3,681	4,172	3,727
Percent of total employed.....	5.3	4.8	4.8	4.5	5.8	5.2
Primary job full time, secondary job part time.....	4,373	4,167	2,423	2,256	1,950	1,912
Primary and secondary jobs both part time.....	2,115	1,770	706	587	1,409	1,183
Primary and secondary jobs both full time.....	329	295	155	226	174	70
Hours vary on primary or secondary job.....	1,185	1,124	581	598	604	526

<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.2017 - Oct.2017 <sup>P</sup>
	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	
Total nonfarm.....	145,969	146,587	146,964	148,006	145,006	146,731	146,749	147,010	261
Total private.....	123,312	125,313	124,669	125,272	122,698	124,382	124,397	124,649	252
Goods-producing.....	19,970	20,447	20,346	20,355	19,727	20,077	20,095	20,128	33
Mining and logging.....	671	729	727	726	659	718	719	717	-2
Logging.....	52.4	51.0	50.7	50.2	50.7	49.1	49.2	48.8	-0.4
Mining.....	618.4	677.6	676.6	675.4	608.6	668.8	669.7	667.7	-2.0
Oil and gas extraction.....	177.8	179.6	180.4	180.1	177.5	178.6	180.3	179.9	-0.4
Mining, except oil and gas.....	182.2	190.8	189.5	189.1	179.0	186.2	186.7	186.7	0.0
Coal mining.....	49.5	51.8	52.0	52.2	49.3	51.5	51.9	51.9	0.0
Metal ore mining.....	39.1	39.5	39.0	38.9	39.4	39.2	39.1	39.0	-0.1
Nonmetallic mineral mining and quarrying.....	93.6	99.5	98.5	98.0	90.3	95.5	95.7	95.7	0.0
Support activities for mining.....	258.4	307.2	306.7	306.2	252.1	304.0	302.7	301.1	-1.6
Construction.....	6,950	7,174	7,124	7,130	6,743	6,908	6,919	6,930	11
Construction of buildings.....	1,534.3	1,571.8	1,561.3	1,564.6	1,500.7	1,527.9	1,527.0	1,530.9	3.9
Residential building.....	767.6	783.3	774.1	784.7	749.4	763.3	759.4	766.6	7.2
Nonresidential building.....	766.7	788.5	787.2	779.9	751.3	764.6	767.6	764.3	-3.3
Heavy and civil engineering construction.....	1,007.2	1,040.0	1,034.9	1,031.1	946.4	974.1	973.0	970.0	-3.0
Specialty trade contractors.....	4,408.7	4,561.8	4,527.6	4,533.9	4,295.5	4,405.6	4,418.9	4,429.3	10.4
Residential specialty trade contractors.....	1,918.5	2,010.5	1,991.1	1,988.0	1,868.6	1,939.4	1,943.8	1,949.9	6.1
Nonresidential specialty trade contractors.....	2,490.2	2,551.3	2,536.5	2,545.9	2,426.9	2,466.2	2,475.1	2,479.4	4.3
Manufacturing.....	12,349	12,544	12,495	12,499	12,325	12,451	12,457	12,481	24
Durable goods.....	7,700	7,802	7,781	7,800	7,692	7,772	7,779	7,798	19
Wood products.....	394.5	398.8	393.9	397.5	392.5	395.2	394.0	396.8	2.8
Nonmetallic mineral products.....	416.0	424.5	421.7	422.4	409.5	415.8	415.4	416.1	0.7
Primary metals.....	376.0	386.2	384.5	385.8	376.2	385.9	384.6	385.9	1.3
Fabricated metal products.....	1,419.1	1,448.4	1,451.0	1,455.6	1,418.9	1,446.6	1,451.5	1,455.5	4.0
Machinery.....	1,070.5	1,100.2	1,095.0	1,092.3	1,070.6	1,095.4	1,095.3	1,093.7	-1.6
Computer and electronic products.....	1,039.9	1,045.5	1,043.4	1,048.9	1,041.4	1,040.8	1,045.1	1,049.8	4.7
Computer and peripheral equipment.....	162.9	166.0	166.4	168.7	163.6	164.9	166.5	168.5	2.0
Communications equipment.....	84.7	85.4	84.8	85.9	84.8	85.2	85.2	86.0	0.8
Semiconductors and electronic components.....	362.1	361.4	361.2	363.5	362.6	359.6	362.4	364.1	1.7
Electronic instruments.....	394.6	398.9	397.4	397.5	394.7	397.5	397.5	398.1	0.6
Miscellaneous computer and electronic products.....	35.6	33.8	33.6	33.3	35.6	33.7	33.5	33.2	-0.3
Electrical equipment and appliances.....	381.5	393.0	391.9	394.2	381.8	391.8	392.3	394.7	2.4
Transportation equipment <sup>1</sup> .....	1,619.5	1,619.7	1,619.1	1,617.1	1,620.3	1,618.5	1,617.4	1,620.5	3.1
Motor vehicles and parts <sup>2</sup> .....	939.5	943.2	941.5	942.4	940.1	942.3	939.8	943.2	3.4
Furniture and related products.....	389.7	393.6	390.3	392.8	388.9	391.2	391.7	392.7	1.0
Miscellaneous durable goods manufacturing.....	593.0	592.3	590.5	593.2	592.1	591.2	591.4	591.9	0.5
Nondurable goods.....	4,649	4,742	4,714	4,699	4,633	4,679	4,678	4,683	5
Food manufacturing.....	1,574.9	1,647.1	1,634.0	1,618.7	1,564.7	1,603.9	1,607.7	1,608.0	0.3
Textile mills.....	112.5	109.4	110.4	111.1	112.9	109.8	110.7	111.1	0.4
Textile product mills.....	114.3	111.4	110.4	109.3	113.5	111.0	109.6	108.8	-0.8
Apparel.....	130.6	119.2	118.0	118.9	129.3	119.3	117.3	117.9	0.6
Paper and paper products.....	367.5	369.8	369.4	365.6	368.1	368.0	368.9	366.6	-2.3
Printing and related support activities.....	443.7	439.1	435.6	436.5	442.9	438.8	436.0	436.0	0.0
Petroleum and coal products.....	113.1	115.6	114.4	115.2	110.6	112.8	112.6	112.7	0.1
Chemicals.....	808.6	822.5	816.3	818.3	811.6	819.8	817.9	821.5	3.6
Plastics and rubber products.....	695.1	709.7	707.8	705.4	698.6	706.1	707.2	708.3	1.1
Miscellaneous nondurable goods manufacturing.....	288.3	298.1	297.8	300.1	280.6	289.9	289.6	292.3	2.7
Private service-providing.....	103,342	104,866	104,323	104,917	102,971	104,305	104,302	104,521	219
Trade, transportation, and utilities.....	27,370	27,351	27,307	27,487	27,331	27,386	27,428	27,434	6
Wholesale trade.....	5,889.9	5,952.4	5,939.6	5,955.4	5,881.2	5,929.4	5,938.5	5,944.2	5.7
Durable goods.....	2,929.4	2,971.3	2,967.5	2,969.6	2,927.9	2,957.0	2,966.9	2,969.0	2.1
Nondurable goods.....	2,062.5	2,065.5	2,063.7	2,077.0	2,057.0	2,059.9	2,062.5	2,067.0	4.5

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.2017 - Oct.2017 <sup>P</sup>
	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	
Wholesale trade - Continued									
Electronic markets and agents and brokers.....	898.0	915.6	908.4	908.8	896.3	912.5	909.1	908.2	-0.9
Retail trade.....	15,884.3	15,812.1	15,691.0	15,827.7	15,880.6	15,816.8	15,823.5	15,815.2	-8.3
Motor vehicle and parts dealers.....	1,996.3	2,029.1	2,019.3	2,025.9	1,993.4	2,015.4	2,015.9	2,024.1	8.2
Automobile dealers.....	1,294.7	1,309.5	1,306.3	1,312.7	1,291.9	1,304.6	1,305.2	1,310.0	4.8
Other motor vehicle dealers.....	150.4	163.3	155.8	154.3	150.7	156.1	154.1	155.6	1.5
Auto parts, accessories, and tire stores...	551.2	556.3	557.2	558.9	550.8	554.8	556.6	558.5	1.9
Furniture and home furnishings stores.....	479.6	478.8	478.3	487.0	474.0	483.4	484.2	484.0	-0.2
Electronics and appliance stores.....	515.3	494.8	495.5	501.0	510.5	503.6	502.3	499.1	-3.2
Building material and garden supply stores.....	1,255.0	1,294.6	1,278.8	1,284.4	1,281.0	1,292.1	1,300.4	1,305.9	5.5
Food and beverage stores.....	3,100.1	3,099.5	3,069.7	3,072.4	3,097.4	3,079.2	3,073.7	3,071.4	-2.3
Health and personal care stores.....	1,054.0	1,041.8	1,038.9	1,046.5	1,053.1	1,047.3	1,047.8	1,047.4	-0.4
Gasoline stations.....	935.4	954.6	948.2	946.6	933.0	940.1	942.1	943.6	1.5
Clothing and clothing accessories stores...	1,333.1	1,320.9	1,285.2	1,306.0	1,339.9	1,323.0	1,321.2	1,315.4	-5.8
Sporting goods, hobby, book, and music stores.....	613.2	593.4	593.5	604.0	619.0	604.5	604.6	605.6	1.0
General merchandise stores.....	3,194.7	3,103.0	3,085.0	3,134.6	3,198.6	3,132.0	3,131.9	3,123.8	-8.1
Department stores.....	1,307.0	1,256.0	1,245.3	1,276.0	1,318.1	1,278.5	1,279.7	1,277.4	-2.3
Other general merchandise stores.....	1,887.7	1,847.0	1,839.7	1,858.6	1,880.6	1,853.5	1,852.1	1,846.3	-5.8
Miscellaneous store retailers.....	853.9	839.9	832.7	839.8	839.2	828.6	830.1	825.3	-4.8
Nonstore retailers.....	553.7	561.7	565.9	579.5	541.5	567.6	569.3	569.6	0.3
Transportation and warehousing.....	5,040.0	5,031.2	5,123.7	5,151.4	5,012.8	5,087.4	5,112.5	5,120.9	8.4
Air transportation.....	477.7	493.3	492.7	496.0	478.3	490.4	492.9	496.4	3.5
Rail transportation.....	213.3	206.9	206.0	206.0	213.2	206.5	205.5	205.8	0.3
Water transportation.....	65.4	67.2	66.5	63.8	65.5	64.5	65.5	63.7	-1.8
Truck transportation.....	1,477.2	1,490.1	1,488.2	1,490.3	1,460.4	1,471.6	1,473.6	1,473.5	-0.1
Transit and ground passenger transportation.....	488.5	411.5	497.0	498.8	472.6	471.1	484.5	481.7	-2.8
Pipeline transportation.....	48.9	47.1	46.6	46.8	48.9	47.1	46.8	46.7	-0.1
Scenic and sightseeing transportation.....	35.4	47.3	42.7	38.3	34.7	36.4	36.4	37.1	0.7
Support activities for transportation.....	665.8	671.9	673.6	677.0	660.3	669.7	671.4	671.3	-0.1
Couriers and messengers.....	625.5	642.0	652.7	663.6	647.2	674.7	678.6	684.3	5.7
Warehousing and storage.....	942.3	953.9	957.7	970.8	931.7	955.4	957.3	960.4	3.1
Utilities.....	555.5	555.4	552.4	552.3	556.2	552.8	553.2	553.2	0.0
Information.....	2,777	2,733	2,708	2,719	2,780	2,720	2,717	2,716	-1
Publishing industries, except Internet.....	730.6	721.2	717.4	717.3	728.8	718.7	717.1	715.9	-1.2
Motion picture and sound recording industries.....	426.9	412.1	390.9	401.8	431.3	402.7	399.2	402.3	3.1
Broadcasting, except Internet.....	269.5	257.7	260.1	262.3	268.8	258.7	260.1	260.7	0.6
Telecommunications.....	785.4	759.6	761.8	757.5	786.0	760.2	762.6	757.6	-5.0
Data processing, hosting and related services.....	301.9	304.6	304.2	306.5	301.9	304.3	304.4	305.5	1.1
Other information services.....	263.0	277.3	273.3	273.4	262.8	275.2	273.4	273.6	0.2
Financial activities.....	8,337	8,534	8,482	8,486	8,330	8,465	8,478	8,483	5
Finance and insurance.....	6,173.2	6,287.2	6,262.6	6,262.2	6,172.6	6,262.7	6,270.1	6,264.3	-5.8
Monetary authorities - central bank.....	18.5	18.8	18.7	18.7	18.4	18.7	18.7	18.7	0.0
Credit intermediation and related activities.....	2,622.1	2,679.6	2,656.6	2,656.7	2,626.0	2,666.2	2,661.3	2,662.4	1.1
Depository credit intermediation <sup>1</sup> .....	1,698.4	1,726.2	1,711.5	1,711.9	1,703.8	1,718.8	1,716.8	1,718.8	2.0
Commercial banking.....	1,305.2	1,322.4	1,310.0	1,310.2	1,308.2	1,317.3	1,313.8	1,314.8	1.0
Nondepository credit intermediation.....	618.1	631.9	628.9	630.3	617.1	629.8	629.1	629.2	0.1
Activities related to credit intermediation...	305.6	321.5	316.2	314.5	305.1	317.7	315.4	314.4	-1.0
Securities, commodity contracts, investments, and funds and trusts.....	933.4	958.6	950.6	952.2	930.0	949.1	949.8	949.7	-0.1
Insurance carriers and related activities.....	2,599.2	2,630.2	2,636.7	2,634.6	2,598.2	2,628.7	2,640.3	2,633.5	-6.8
Real estate and rental and leasing.....	2,163.9	2,247.0	2,218.9	2,223.7	2,157.7	2,202.0	2,207.4	2,218.3	10.9
Real estate.....	1,581.8	1,627.9	1,608.9	1,617.4	1,575.9	1,604.5	1,606.8	1,612.4	5.6
Rental and leasing services.....	558.6	595.4	586.9	583.1	558.3	574.1	577.3	582.7	5.4

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.2017 - Oct.2017 <sup>P</sup>
	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	
Real estate and rental and leasing - Continued									
Lessors of nonfinancial intangible assets. . . . .	23.5	23.7	23.1	23.2	23.5	23.4	23.3	23.2	-0.1
Professional and business services. . . . .	20,516	20,932	20,876	21,056	20,334	20,798	20,820	20,870	50
Professional and technical services. . . . .	8,959.2	9,158.8	9,094.9	9,176.5	8,987.9	9,174.8	9,184.1	9,198.3	14.2
Legal services. . . . .	1,125.1	1,129.3	1,123.9	1,128.5	1,122.7	1,126.7	1,127.3	1,126.2	-1.1
Accounting and bookkeeping services. . . . .	936.9	945.3	937.1	946.8	1,002.6	1,007.7	1,007.9	1,008.1	0.2
Architectural and engineering services. . . . .	1,427.9	1,480.6	1,466.4	1,477.6	1,420.4	1,463.6	1,466.0	1,469.8	3.8
Specialized design services. . . . .	143.6	139.6	139.6	142.3	142.3	139.8	141.0	140.6	-0.4
Computer systems design and related services. . . . .	2,028.5	2,073.4	2,057.4	2,078.5	2,019.9	2,063.9	2,065.5	2,069.2	3.7
Management and technical consulting services. . . . .	1,417.7	1,457.9	1,450.7	1,468.5	1,407.4	1,451.2	1,452.3	1,456.0	3.7
Scientific research and development services. . . . .	686.7	714.8	707.1	709.5	688.8	709.8	711.7	712.4	0.7
Advertising and related services. . . . .	493.4	491.4	485.6	491.1	491.1	488.7	486.9	488.3	1.4
Other professional and technical services. . . . .	699.4	726.5	727.1	733.7	692.8	723.5	725.5	727.6	2.1
Management of companies and enterprises. . . . .	2,247.6	2,294.0	2,283.3	2,283.7	2,249.2	2,283.0	2,283.3	2,286.8	3.5
Administrative and waste services. . . . .	9,308.8	9,479.3	9,497.8	9,596.1	9,097.0	9,340.2	9,353.0	9,385.1	32.1
Administrative and support services. . . . .	8,899.1	9,058.1	9,079.9	9,177.4	8,688.7	8,925.6	8,937.5	8,967.3	29.8
Office administrative services. . . . .	502.9	527.2	528.4	532.5	502.0	526.5	529.3	532.1	2.8
Facilities support services. . . . .	141.9	145.4	146.4	147.2	141.3	145.3	145.6	146.0	0.4
Employment services <sup>1</sup> . . . . .	3,730.9	3,742.8	3,794.1	3,878.8	3,600.2	3,718.3	3,724.4	3,748.2	23.8
Temporary help services. . . . .	3,068.3	3,066.4	3,115.8	3,192.7	2,953.5	3,049.0	3,056.8	3,075.1	18.3
Business support services. . . . .	934.9	905.6	912.0	928.8	921.9	915.2	915.6	914.6	-1.0
Travel arrangement and reservation services. . . . .	216.7	219.2	214.6	213.8	217.1	216.4	214.4	214.0	-0.4
Investigation and security services. . . . .	910.5	921.5	926.1	930.0	900.8	918.4	919.4	920.6	1.2
Services to buildings and dwellings. . . . .	2,139.5	2,266.3	2,226.5	2,209.8	2,088.9	2,156.0	2,158.9	2,161.2	2.3
Other support services. . . . .	321.8	330.1	331.8	336.5	316.6	329.6	329.8	330.6	0.8
Waste management and remediation services. . . . .	409.7	421.2	417.9	418.7	408.3	414.6	415.5	417.8	2.3
Education and health services. . . . .	22,987	22,857	23,138	23,456	22,790	23,191	23,213	23,254	41
Educational services. . . . .	3,750.9	3,336.5	3,634.9	3,846.1	3,590.6	3,658.1	3,672.4	3,680.0	7.6
Health care and social assistance. . . . .	19,236.1	19,520.9	19,502.7	19,609.7	19,199.5	19,532.6	19,540.4	19,573.9	33.5
Health care <sup>3</sup> . . . . .	15,560.9	15,813.1	15,801.4	15,862.2	15,530.1	15,790.0	15,809.2	15,830.7	21.5
Ambulatory health care services. . . . .	7,178.8	7,337.0	7,339.6	7,397.5	7,152.0	7,331.5	7,352.5	7,368.6	16.1
Offices of physicians. . . . .	2,556.1	2,600.5	2,605.6	2,623.4	2,546.2	2,600.2	2,608.6	2,613.1	4.5
Offices of dentists. . . . .	935.6	945.3	941.4	948.5	932.7	942.6	945.3	946.1	0.8
Offices of other health practitioners. . . . .	877.0	909.9	906.1	909.4	873.5	906.9	909.2	906.9	-2.3
Outpatient care centers. . . . .	871.8	913.2	915.0	922.7	870.6	913.5	917.2	922.0	4.8
Medical and diagnostic laboratories. . . . .	265.3	260.6	260.6	262.2	265.3	260.3	261.1	261.2	0.1
Home health care services. . . . .	1,381.9	1,412.7	1,414.6	1,429.3	1,375.8	1,414.0	1,414.7	1,421.4	6.7
Other ambulatory health care services. . . . .	291.1	294.8	296.3	302.0	287.9	294.0	296.2	297.9	1.7
Hospitals. . . . .	5,062.0	5,127.2	5,134.8	5,134.5	5,058.3	5,123.2	5,127.9	5,130.7	2.8
Nursing and residential care facilities. . . . .	3,320.1	3,348.9	3,327.0	3,330.2	3,319.8	3,335.3	3,328.8	3,331.4	2.6
Nursing care facilities. . . . .	1,645.3	1,643.0	1,629.0	1,632.0	1,643.5	1,637.4	1,628.8	1,631.3	2.5
Residential mental health facilities. . . . .	614.3	622.1	620.3	620.2	614.9	620.5	620.8	621.2	0.4
Community care facilities for the elderly. . . . .	894.8	913.8	911.4	911.7	896.0	909.6	912.6	912.6	0.0
Other residential care facilities. . . . .	165.7	170.0	166.3	166.3	165.5	167.8	166.5	166.3	-0.2
Social assistance. . . . .	3,675.2	3,707.8	3,701.3	3,747.5	3,669.4	3,742.6	3,731.2	3,743.2	12.0
Individual and family services. . . . .	2,254.8	2,307.3	2,286.5	2,319.5	2,258.5	2,310.4	2,307.1	2,323.2	16.1
Emergency and other relief services. . . . .	163.4	167.1	167.9	168.3	164.0	167.7	168.9	169.1	0.2
Vocational rehabilitation services. . . . .	337.8	341.9	335.7	334.9	338.8	337.6	336.4	335.2	-1.2
Child day care services. . . . .	919.2	891.5	911.2	924.8	908.1	926.9	918.9	915.7	-3.2
Leisure and hospitality. . . . .	15,647	16,654	16,053	15,927	15,695	15,975	15,873	15,979	106
Arts, entertainment, and recreation. . . . .	2,195.8	2,570.6	2,322.9	2,241.0	2,240.2	2,278.1	2,269.6	2,285.2	15.6
Performing arts and spectator sports. . . . .	457.5	489.1	484.9	470.6	452.5	460.7	464.7	464.6	-0.1

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. 2017 - Oct. 2017 <sup>P</sup>
	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>P</sup>	Oct. 2017 <sup>P</sup>	
Arts, entertainment, and recreation - Continued									
Museums, historical sites, and similar institutions.....	162.5	181.6	171.0	170.1	162.0	168.1	169.1	169.0	-0.1
Amusements, gambling, and recreation.....	1,575.8	1,899.9	1,667.0	1,600.3	1,625.7	1,649.3	1,635.8	1,651.6	15.8
Accommodation and food services.....	13,451.6	14,083.1	13,730.5	13,685.5	13,454.3	13,696.5	13,603.8	13,694.1	90.3
Accommodation.....	1,931.1	2,093.3	1,997.1	1,948.2	1,943.8	1,954.5	1,959.8	1,961.6	1.8
Food services and drinking places.....	11,520.5	11,989.8	11,733.4	11,737.3	11,510.5	11,742.0	11,644.0	11,732.5	88.5
Other services.....	5,708	5,805	5,759	5,786	5,711	5,770	5,773	5,785	12
Repair and maintenance.....	1,290.1	1,299.6	1,294.8	1,299.6	1,289.3	1,296.6	1,296.1	1,298.9	2.8
Personal and laundry services.....	1,459.4	1,497.9	1,491.9	1,503.7	1,458.9	1,493.4	1,493.4	1,502.0	8.6
Membership associations and organizations...	2,958.0	3,007.5	2,972.4	2,982.7	2,962.7	2,979.5	2,983.3	2,984.4	1.1
Government.....	22,657	21,274	22,295	22,734	22,308	22,349	22,352	22,361	9
Federal.....	2,802.0	2,813.0	2,811.0	2,808.0	2,817.0	2,808.0	2,809.0	2,814.0	5.0
Federal, except U.S. Postal Service.....	2,192.5	2,203.6	2,198.7	2,192.9	2,201.7	2,192.1	2,192.2	2,195.3	3.1
U.S. Postal Service.....	609.9	609.6	612.2	614.7	615.6	616.3	617.0	618.9	1.9
State government.....	5,251.0	4,800.0	5,134.0	5,249.0	5,092.0	5,094.0	5,089.0	5,091.0	2.0
State government education.....	2,579.7	2,123.1	2,471.5	2,590.1	2,414.4	2,428.5	2,426.6	2,426.1	-0.5
State government, excluding education.....	2,670.8	2,677.3	2,662.1	2,658.9	2,677.9	2,665.4	2,662.8	2,664.5	1.7
Local government.....	14,604.0	13,661.0	14,350.0	14,677.0	14,399.0	14,447.0	14,454.0	14,456.0	2.0
Local government education.....	8,197.7	7,003.4	7,880.5	8,248.1	7,952.9	7,979.5	7,986.0	7,991.2	5.2
Local government, excluding education.....	6,405.9	6,657.5	6,469.4	6,428.4	6,446.4	6,467.4	6,467.6	6,465.0	-2.6

<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 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>
<b>AVERAGE WEEKLY HOURS</b>				
Total private.....	34.4	34.4	34.4	34.4
Goods-producing.....	40.4	40.3	40.2	40.4
Mining and logging.....	43.9	44.9	45.2	45.3
Construction.....	39.2	38.9	38.8	39.0
Manufacturing.....	40.8	40.8	40.8	41.0
Durable goods.....	41.3	41.3	41.3	41.4
Nondurable goods.....	40.0	39.9	39.9	40.1
Private service-providing.....	33.2	33.2	33.2	33.3
Trade, transportation, and utilities.....	34.2	34.4	34.4	34.5
Wholesale trade.....	38.9	39.1	39.1	39.1
Retail trade.....	30.8	30.9	30.9	31.0
Transportation and warehousing.....	38.7	38.8	38.7	38.9
Utilities.....	43.1	41.6	42.4	42.0
Information.....	35.9	36.1	36.3	36.4
Financial activities.....	37.3	37.5	37.5	37.4
Professional and business services.....	36.1	36.0	36.0	36.0
Education and health services.....	32.9	32.9	32.9	32.9
Leisure and hospitality.....	26.0	26.0	26.0	26.1
Other services.....	32.0	31.8	31.7	31.7
<b>AVERAGE OVERTIME HOURS</b>				
Manufacturing.....	3.3	3.4	3.4	3.5
Durable goods.....	3.3	3.4	3.4	3.5
Nondurable goods.....	3.2	3.4	3.4	3.5

p Preliminary

NOTE: Data have been revised to reflect March 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>
Total private.....	\$25.90	\$26.42	\$26.54	\$26.53	\$890.96	\$908.85	\$912.98	\$912.63
Goods-producing.....	27.26	27.60	27.77	27.77	1,101.30	1,112.28	1,116.35	1,121.91
Mining and logging.....	32.45	32.58	32.58	32.72	1,424.56	1,462.84	1,472.62	1,482.22
Construction.....	28.42	28.95	29.17	29.06	1,114.06	1,126.16	1,131.80	1,133.34
Manufacturing.....	26.35	26.58	26.72	26.77	1,075.08	1,084.46	1,090.18	1,097.57
Durable goods.....	27.67	27.82	27.99	28.04	1,142.77	1,148.97	1,155.99	1,160.86
Nondurable goods.....	24.08	24.43	24.55	24.58	963.20	974.76	979.55	985.66
Private service-providing.....	25.58	26.14	26.26	26.24	849.26	867.85	871.83	873.79
Trade, transportation, and utilities.....	22.52	22.88	22.95	22.90	770.18	787.07	789.48	790.05
Wholesale trade.....	29.78	30.08	30.23	29.98	1,158.44	1,176.13	1,181.99	1,172.22
Retail trade.....	17.95	18.26	18.25	18.28	552.86	564.23	563.93	566.68
Transportation and warehousing.....	23.44	23.98	24.05	24.07	907.13	930.42	930.74	936.32
Utilities.....	39.07	38.86	39.43	39.53	1,683.92	1,616.58	1,671.83	1,660.26
Information.....	37.20	38.44	38.47	38.45	1,335.48	1,387.68	1,396.46	1,399.58
Financial activities.....	32.49	33.34	33.45	33.57	1,211.88	1,250.25	1,254.38	1,255.52
Professional and business services.....	31.04	31.79	31.98	32.00	1,120.54	1,144.44	1,151.28	1,152.00
Education and health services.....	25.96	26.42	26.49	26.46	854.08	869.22	871.52	870.53
Leisure and hospitality.....	15.05	15.48	15.55	15.56	391.30	402.48	404.30	406.12
Other services.....	23.22	23.77	23.93	23.94	743.04	755.89	758.58	758.90

p Preliminary

NOTE: Data have been revised to reflect March 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>	Percent change from: Sept. 2017 - Oct. 2017 <sup>p</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>	Percent change from: Sept. 2017 - Oct. 2017 <sup>p</sup>
Total private.....	105.9	107.4	107.4	107.6	0.2	131.2	135.6	136.3	136.5	0.1
Goods-producing.....	90.8	92.2	92.0	92.6	0.7	111.9	115.0	115.5	116.3	0.7
Mining and logging.....	90.9	101.3	102.1	102.1	0.0	118.4	132.5	133.6	134.1	0.4
Construction.....	91.1	92.6	92.5	93.2	0.8	112.5	116.5	117.3	117.6	0.3
Manufacturing.....	90.5	91.4	91.4	92.1	0.8	110.9	113.0	113.6	114.6	0.9
Durable goods.....	89.4	90.4	90.5	90.9	0.4	109.9	111.7	112.4	113.2	0.7
Nondurable goods.....	92.5	93.2	93.1	93.7	0.6	113.0	115.5	116.0	116.9	0.8
Private service-providing.....	110.0	111.4	111.4	112.0	0.5	136.7	141.5	142.2	142.8	0.4
Trade, transportation, and utilities.....	101.7	102.5	102.6	102.9	0.3	123.2	126.2	126.8	126.9	0.1
Wholesale trade.....	99.8	101.2	101.3	101.4	0.1	124.1	127.0	127.8	126.9	-0.7
Retail trade.....	99.4	99.3	99.3	99.6	0.3	117.9	119.8	119.8	120.4	0.5
Transportation and warehousing.....	111.0	113.0	113.2	114.0	0.7	132.1	137.5	138.2	139.3	0.8
Utilities.....	103.7	99.5	101.5	100.5	-1.0	133.9	127.7	132.2	131.3	-0.7
Information.....	91.1	89.7	90.1	90.3	0.2	120.7	122.7	123.4	123.6	0.2
Financial activities.....	101.8	104.0	104.1	103.9	-0.2	129.0	135.2	135.9	136.1	0.1
Professional and business services.....	115.5	117.8	117.9	118.2	0.3	145.2	151.7	152.7	153.2	0.3
Education and health services.....	122.4	124.6	124.7	124.9	0.2	152.9	158.3	158.9	159.0	0.1
Leisure and hospitality.....	116.4	118.5	117.8	119.0	1.0	141.4	148.0	147.7	149.4	1.2
Other services.....	105.4	105.8	105.5	105.7	0.2	134.1	137.8	138.4	138.7	0.2

<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 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>
Total nonfarm.....	71,947	72,660	72,637	72,767	49.6	49.5	49.5	49.5
Total private.....	59,152	59,807	59,797	59,918	48.2	48.1	48.1	48.1
Goods-producing.....	4,326	4,412	4,422	4,431	21.9	22.0	22.0	22.0
Mining and logging.....	98	100	100	99	14.9	13.9	13.9	13.8
Construction.....	846	876	882	883	12.5	12.7	12.7	12.7
Manufacturing.....	3,382	3,436	3,440	3,449	27.4	27.6	27.6	27.6
Durable goods.....	1,804	1,819	1,822	1,826	23.5	23.4	23.4	23.4
Nondurable goods.....	1,578	1,617	1,618	1,623	34.1	34.6	34.6	34.7
Private service-providing.....	54,826	55,395	55,375	55,487	53.2	53.1	53.1	53.1
Trade, transportation, and utilities.....	11,108	10,965	10,970	10,957	40.6	40.0	40.0	39.9
Wholesale trade.....	1,742.2	1,747.3	1,751.5	1,755.2	29.6	29.5	29.5	29.5
Retail trade.....	8,004.4	7,854.0	7,849.5	7,836.2	50.4	49.7	49.6	49.5
Transportation and warehousing.....	1,232.0	1,236.3	1,242.0	1,238.1	24.6	24.3	24.3	24.2
Utilities.....	129.6	127.6	127.0	127.0	23.3	23.1	23.0	23.0
Information.....	1,117	1,081	1,076	1,076	40.2	39.7	39.6	39.6
Financial activities.....	4,732	4,784	4,782	4,780	56.8	56.5	56.4	56.3
Professional and business services.....	9,135	9,345	9,361	9,379	44.9	44.9	45.0	44.9
Education and health services.....	17,570	17,862	17,878	17,892	77.1	77.0	77.0	76.9
Leisure and hospitality.....	8,166	8,308	8,253	8,340	52.0	52.0	52.0	52.2
Other services.....	2,998	3,050	3,055	3,063	52.5	52.9	52.9	52.9
Government.....	12,795	12,853	12,840	12,849	57.4	57.5	57.4	57.5

p Preliminary

NOTE: Data have been revised to reflect March 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>
Total private.....	100,987	102,489	102,493	102,727
Goods-producing.....	14,150	14,422	14,436	14,451
Mining and logging.....	455	515	518	513
Construction.....	5,061	5,172	5,178	5,175
Manufacturing.....	8,634	8,735	8,740	8,763
Durable goods.....	5,281	5,334	5,336	5,356
Nondurable goods.....	3,353	3,401	3,404	3,407
Private service-providing.....	86,837	88,067	88,057	88,276
Trade, transportation, and utilities.....	22,963	23,087	23,142	23,163
Wholesale trade.....	4,711.5	4,751.6	4,757.2	4,765.5
Retail trade.....	13,465.4	13,474.6	13,497.9	13,495.5
Transportation and warehousing.....	4,337.8	4,416.5	4,441.3	4,457.0
Utilities.....	448.0	444.5	445.3	444.9
Information.....	2,243	2,193	2,186	2,189
Financial activities.....	6,470	6,587	6,595	6,600
Professional and business services.....	16,632	16,978	16,986	17,026
Education and health services.....	19,989	20,386	20,398	20,429
Leisure and hospitality.....	13,812	14,061	13,971	14,085
Other services.....	4,728	4,775	4,779	4,784

<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 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>
<b>AVERAGE WEEKLY HOURS</b>				
Total private.....	33.6	33.6	33.6	33.7
Goods-producing.....	41.2	41.3	41.1	41.2
Mining and logging.....	45.5	45.5	46.1	45.9
Construction.....	39.6	39.6	39.4	39.4
Manufacturing.....	42.0	42.0	41.9	42.0
Durable goods.....	42.4	42.4	42.3	42.4
Nondurable goods.....	41.2	41.5	41.3	41.3
Private service-providing.....	32.3	32.4	32.4	32.5
Trade, transportation, and utilities.....	33.5	33.8	33.8	33.9
Wholesale trade.....	38.8	39.0	38.9	39.0
Retail trade.....	29.6	30.1	30.2	30.4
Transportation and warehousing.....	38.6	38.4	38.2	38.4
Utilities.....	43.5	42.2	42.6	42.4
Information.....	35.7	35.6	35.9	35.9
Financial activities.....	36.9	36.9	36.9	36.9
Professional and business services.....	35.4	35.4	35.4	35.5
Education and health services.....	32.1	32.2	32.2	32.2
Leisure and hospitality.....	24.8	24.7	24.7	24.7
Other services.....	30.8	30.8	30.6	30.7
<b>AVERAGE OVERTIME HOURS</b>				
Manufacturing.....	4.4	4.4	4.4	4.5
Durable goods.....	4.5	4.5	4.5	4.7
Nondurable goods.....	4.2	4.3	4.2	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 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>
Total private.....	\$21.72	\$22.14	\$22.23	\$22.22	\$729.79	\$743.90	\$746.93	\$748.81
Goods-producing.....	22.79	23.22	23.33	23.31	938.95	958.99	958.86	960.37
Mining and logging.....	27.20	27.74	27.68	27.73	1,237.60	1,262.17	1,276.05	1,272.81
Construction.....	26.28	26.80	27.03	26.88	1,040.69	1,061.28	1,064.98	1,059.07
Manufacturing.....	20.61	20.93	20.99	21.06	865.62	879.06	879.48	884.52
Durable goods.....	21.63	21.93	22.00	22.06	917.11	929.83	930.60	935.34
Nondurable goods.....	18.96	19.32	19.37	19.44	781.15	801.78	799.98	802.87
Private service-providing.....	21.50	21.91	22.00	21.99	694.45	709.88	712.80	714.68
Trade, transportation, and utilities.....	19.09	19.40	19.48	19.48	639.52	655.72	658.42	660.37
Wholesale trade.....	24.39	24.76	24.89	24.86	946.33	965.64	968.22	969.54
Retail trade.....	15.02	15.34	15.39	15.38	444.59	461.73	464.78	467.55
Transportation and warehousing.....	21.03	21.45	21.53	21.61	811.76	823.68	822.45	829.82
Utilities.....	35.93	35.89	36.26	36.11	1,562.96	1,514.56	1,544.68	1,531.06
Information.....	30.30	30.69	30.80	30.82	1,081.71	1,092.56	1,105.72	1,106.44
Financial activities.....	26.38	26.66	26.70	26.77	973.42	983.75	985.23	987.81
Professional and business services.....	25.64	26.20	26.32	26.31	907.66	927.48	931.73	934.01
Education and health services.....	22.66	23.09	23.16	23.13	727.39	743.50	745.75	744.79
Leisure and hospitality.....	12.97	13.40	13.46	13.46	321.66	330.98	332.46	332.46
Other services.....	19.50	20.05	20.15	20.19	600.60	617.54	616.59	619.83

<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 2016 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. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>	Percent change from: Sept. 2017 - Oct. 2017 <sup>p</sup>	Oct. 2016	Aug. 2017	Sept. 2017 <sup>p</sup>	Oct. 2017 <sup>p</sup>	Percent change from: Sept. 2017 - Oct. 2017 <sup>p</sup>
Total private.....	113.1	114.7	114.7	115.3	0.5	164.1	169.8	170.5	171.3	0.5
Goods-producing.....	89.1	91.0	90.7	91.0	0.3	124.3	129.4	129.5	129.9	0.3
Mining and logging.....	110.0	124.5	126.9	125.1	-1.4	174.0	200.9	204.3	201.8	-1.2
Construction.....	100.3	102.5	102.1	102.1	0.0	142.4	148.4	149.1	148.2	-0.6
Manufacturing.....	83.2	84.2	84.1	84.5	0.5	112.2	115.3	115.4	116.4	0.9
Durable goods.....	84.2	85.0	84.8	85.3	0.6	113.6	116.4	116.5	117.5	0.9
Nondurable goods.....	81.4	83.2	82.8	82.9	0.1	109.1	113.5	113.4	113.9	0.4
Private service-providing.....	119.5	121.5	121.5	122.2	0.6	176.1	182.6	183.3	184.2	0.5
Trade, transportation, and utilities.....	107.2	108.8	109.0	109.5	0.5	146.0	150.5	151.5	152.1	0.4
Wholesale trade.....	107.7	109.1	109.0	109.5	0.5	154.7	159.2	159.8	160.3	0.3
Retail trade.....	100.9	102.7	103.2	103.8	0.6	129.9	135.0	136.1	136.9	0.6
Transportation and warehousing.....	126.0	127.7	127.7	128.8	0.9	168.1	173.7	174.4	176.6	1.3
Utilities.....	99.7	95.9	97.0	96.5	-0.5	149.5	143.7	146.8	145.4	-1.0
Information.....	91.4	89.1	89.6	89.7	0.1	137.1	135.4	136.6	136.8	0.1
Financial activities.....	112.4	114.4	114.6	114.6	0.0	182.4	187.7	188.2	188.8	0.3
Professional and business services.....	132.0	134.7	134.8	135.5	0.5	201.3	210.0	211.1	212.1	0.5
Education and health services.....	136.8	140.0	140.0	140.3	0.2	204.6	213.3	214.1	214.1	0.0
Leisure and hospitality.....	125.5	127.2	126.4	127.4	0.8	184.8	193.6	193.2	194.8	0.8
Other services.....	102.1	103.1	102.6	103.0	0.4	145.1	150.7	150.6	151.5	0.6

<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 2016 benchmark levels and updated seasonal adjustment factors.