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THE EMPLOYMENT SITUATION — OCTOBER 2022

Total **nonfarm payroll employment** increased by 261,000 in October, and the **unemployment rate** rose to 3.7 percent, the U.S. Bureau of Labor Statistics reported today. Notable job gains occurred in health care, professional and technical services, and manufacturing.

Chart 1. Unemployment rate, seasonally adjusted, October 2019 – October 2022

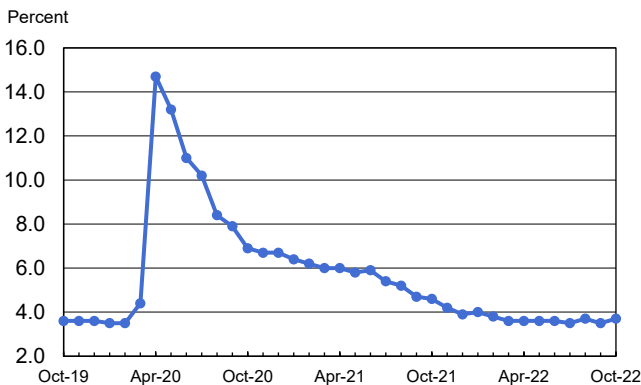
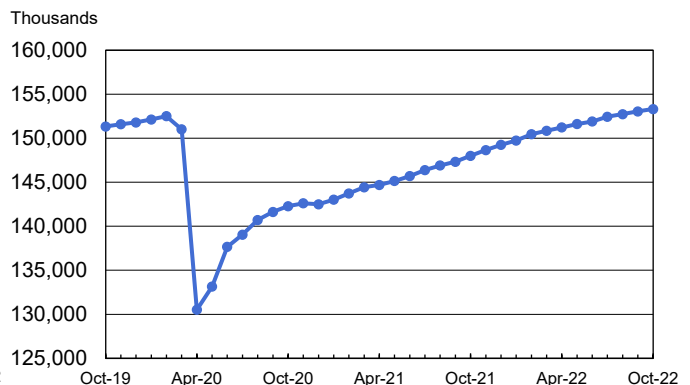


Chart 2. Nonfarm payroll employment, seasonally adjusted, October 2019 – October 2022



This news release presents statistics from two monthly surveys. The household survey measures labor force status, including unemployment, by demographic characteristics. The establishment survey measures nonfarm employment, hours, and earnings by industry. For more information about the concepts and statistical methodology used in these two surveys, see the Technical Note.

Hurricane Ian

Hurricane Ian had no discernible effect on the national employment and unemployment data for October. BLS will release the regional and state estimates on November 18th. For information on how unusually severe weather can affect the employment and hours estimates, see the Frequently Asked Questions section of this news release.

Household Survey Data

The **unemployment rate** increased by 0.2 percentage point to 3.7 percent in October, and the number of **unemployed persons** rose by 306,000 to 6.1 million. The unemployment rate has been in a narrow range of 3.5 percent to 3.7 percent since March. (See table A-1.)

Among the **major worker groups**, the unemployment rates for adult women (3.4 percent) and Whites (3.2 percent) rose in October. The jobless rates for adult men (3.3 percent), teenagers (11.0 percent), Blacks (5.9 percent), Asians (2.9 percent), and Hispanics (4.2 percent) showed little or no change over the month. (See tables A-1, A-2, and A-3.)

Among the unemployed, the number of **permanent job losers** changed little at 1.2 million in October, and the number of persons on **temporary layoff** also changed little at 847,000. (See table A-11.)

The number of **long-term unemployed** (those jobless for 27 weeks or more) was little changed at 1.2 million in October. The long-term unemployed accounted for 19.5 percent of all unemployed persons. (See table A-12.)

The **labor force participation rate**, at 62.2 percent, and the **employment-population ratio**, at 60.0 percent, were about unchanged in October and have shown little net change since early this year. These measures are 1.2 percentage points below their values in February 2020, prior to the coronavirus (COVID-19) pandemic. (See table A-1.)

The number of persons employed **part time for economic reasons** was little changed at 3.7 million in October. These individuals, who would have preferred full-time employment, were working part time because their hours had been reduced or they were unable to find full-time jobs. (See table A-8.)

The number of persons **not in the labor force who currently want a job** was little changed at 5.7 million in October and remains above its February 2020 level of 5.0 million. These individuals were not counted as unemployed because they were not actively looking for work during the 4 weeks preceding the survey or were unavailable to take a job. (See table A-1.)

Among those not in the labor force who wanted a job, the number of persons **marginally attached to the labor force** was little changed in October at 1.5 million. These individuals wanted and were available for work and had looked for a job sometime in the prior 12 months but had not looked for work in the 4 weeks preceding the survey. The number of **discouraged workers**, a subset of the marginally attached who believed that no jobs were available for them, decreased by 114,000 to 371,000 in October. (See Summary table A.)

Establishment Survey Data

Total **nonfarm payroll employment** increased by 261,000 in October. Monthly job growth has averaged 407,000 thus far in 2022, compared with 562,000 per month in 2021. In October, notable job gains occurred in health care, professional and technical services, and manufacturing. (See table B-1.)

In October, employment in **health care** rose by 53,000, with gains in ambulatory health care services (+31,000), nursing and residential care facilities (+11,000), and hospitals (+11,000). So far in 2022, health care employment has increased by an average of 47,000 per month, compared with 9,000 per month in 2021.

Professional and technical services added 43,000 jobs in October. Employment continued to trend up in management and technical consulting services (+7,000), architectural and engineering services (+7,000), and scientific research and development services (+5,000). Monthly job growth in professional and technical services has averaged 41,000 thus far in 2022, compared with 53,000 per month in 2021.

Manufacturing added 32,000 jobs in October, mostly in durable goods industries (+23,000). Manufacturing employment has increased by an average of 37,000 per month thus far this year, compared with 30,000 per month in 2021.

Employment in **social assistance** increased by 19,000 in October and is slightly below (-9,000) its pre-pandemic level in February 2020. Within social assistance, employment in individual and family services continued to trend up in October (+10,000).

Wholesale trade added 15,000 jobs in October. Employment in wholesale trade has increased by an average of 17,000 per month thus far in 2022, compared with 13,000 per month in 2021.

Employment in **leisure and hospitality** continued to trend up in October (+35,000), with accommodation adding 20,000 jobs. Employment in food services and drinking places changed little over the month (+6,000). Leisure and hospitality has added an average of 78,000 jobs per month thus far this year, less than half of the average gain of 196,000 jobs per month in 2021. Employment in leisure and hospitality is down by 1.1 million, or 6.5 percent, from its February 2020 level.

Employment in **transportation and warehousing** changed little in October (+8,000). Within the industry, job growth occurred in truck transportation (+13,000), couriers and messengers (+7,000), and air transportation (+4,000). These gains were partially offset by a job loss in warehousing and storage (-20,000). Monthly job growth in transportation and warehousing has averaged 25,000 thus far this year, compared with 36,000 per month in 2021.

In October, **financial activities** employment was little changed (+3,000). Within the industry, job gains in insurance carriers and related activities (+9,000) and in securities, commodity contracts, and investments (+5,000) were partially offset by a job loss in rental and leasing services (-8,000). Employment in financial activities has changed little over the past 6 months.

Employment changed little over the month in other major industries, including **mining, construction, retail trade, information, other services, and government**.

In October, **average hourly earnings for all employees** on private nonfarm payrolls rose by 12 cents, or 0.4 percent, to \$32.58. Over the past 12 months, average hourly earnings have increased by 4.7 percent. In October, average hourly earnings of private-sector **production and nonsupervisory employees** rose by 9 cents, or 0.3 percent, to \$27.86. (See tables B-3 and B-8.)

In October, the **average workweek for all employees** on private nonfarm payrolls was 34.5 hours for the fifth month in a row. In manufacturing, the average workweek for all employees was little changed at 40.4 hours, and overtime decreased by 0.1 hour to 3.1 hours. The average workweek for **production and nonsupervisory employees** on private nonfarm payrolls held at 34.0 hours. (See tables B-2 and B-7.)

The change in total nonfarm payroll employment for August was revised down by 23,000, from +315,000 to +292,000, and the change for September was revised up by 52,000, from +263,000 to +315,000. With these revisions, employment gains in August and September combined were 29,000 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.)

The Employment Situation for November is scheduled to be released on Friday, December 2, 2022, at 8:30 a.m. (ET).

Changes to Household Survey Supplemental Data

Four new supplemental questions were added to the household survey in October 2022 to examine the effects of the coronavirus (COVID-19) pandemic on the labor market. These new questions, which focus on telework, replace the original supplemental questions asked from May 2020 through September 2022. Because data from the new questions will take time to process and review, the Household Survey Supplemental Data section of the Employment Situation news release has been temporarily discontinued. Information about the new questions, including future announcements about the availability of data from these questions, will be available at www.bls.gov/cps/effects-of-the-coronavirus-covid-19-pandemic.htm.

Update to the 2022 North American Industry Classification System

With the release of January 2023 data on February 3, 2023, the Current Employment Statistics (CES) survey will revise the basis for industry classification from the 2017 North American Industry Classification System (NAICS) to NAICS 2022. The conversion to NAICS 2022 will result in minor revisions reflecting content and coding changes within the mining and logging, manufacturing, wholesale trade, financial activities, and other services sectors, as well as major revisions reflecting content and coding changes in the retail trade and information sectors. Many industry titles and descriptions will also be updated to better reflect official NAICS titles. Approximately 10 percent of employment will be reclassified into different industries as a result of the revision. Details of updated titles and new, discontinued, and collapsed industries resulting from the NAICS 2022 update, as well as changes due to the annual benchmarking process, will be available on January 6, 2023.

For more information on NAICS 2022, visit www.census.gov/naics.

HOUSEHOLD DATA

Summary table A. Household data, seasonally adjusted

[Numbers in thousands]

Category	Oct. 2021	Aug. 2022	Sept. 2022	Oct. 2022	Change from: Sept. 2022- Oct. 2022
Employment status					
Civilian noninstitutional population.....	261,908	264,184	264,356	264,535	179
Civilian labor force.....	161,610	164,746	164,689	164,667	-22
Participation rate.....	61.7	62.4	62.3	62.2	-0.1
Employed.....	154,234	158,732	158,936	158,608	-328
Employment-population ratio.....	58.9	60.1	60.1	60.0	-0.1
Unemployed.....	7,375	6,014	5,753	6,059	306
Unemployment rate.....	4.6	3.7	3.5	3.7	0.2
Not in labor force.....	100,298	99,438	99,667	99,868	201
Unemployment rates					
Total, 16 years and over.....	4.6	3.7	3.5	3.7	0.2
Adult men (20 years and over).....	4.3	3.5	3.3	3.3	0.0
Adult women (20 years and over).....	4.3	3.3	3.1	3.4	0.3
Teenagers (16 to 19 years).....	11.7	10.4	11.4	11.0	-0.4
White.....	3.9	3.2	3.1	3.2	0.1
Black or African American.....	7.8	6.4	5.8	5.9	0.1
Asian.....	4.2	2.8	2.5	2.9	0.4
Hispanic or Latino ethnicity.....	5.7	4.5	3.8	4.2	0.4
Total, 25 years and over.....	4.0	3.0	2.8	3.0	0.2
Less than a high school diploma.....	7.3	6.2	5.6	6.3	0.7
High school graduates, no college.....	5.4	4.2	3.7	3.9	0.2
Some college or associate degree.....	4.3	2.9	2.9	3.0	0.1
Bachelor's degree and higher.....	2.4	1.9	1.8	1.9	0.1
Reason for unemployment					
Job losers and persons who completed temporary jobs.....	3,700	2,720	2,495	2,663	168
Job leavers.....	845	898	905	862	-43
Reentrants.....	2,206	1,836	1,840	1,886	46
New entrants.....	537	440	447	485	38
Duration of unemployment					
Less than 5 weeks.....	2,051	2,223	2,154	2,211	57
5 to 14 weeks.....	1,876	1,807	1,645	1,783	138
15 to 26 weeks.....	1,001	885	899	805	-94
27 weeks and over.....	2,339	1,137	1,067	1,165	98
Employed persons at work part time					
Part time for economic reasons.....	4,398	4,149	3,843	3,660	-183
Slack work or business conditions.....	3,108	2,769	2,577	2,534	-43
Could only find part-time work.....	961	979	952	870	-82
Part time for noneconomic reasons.....	20,539	21,044	21,233	21,274	41
Persons not in the labor force					
Marginally attached to the labor force.....	1,685	1,434	1,600	1,504	-96
Discouraged workers.....	455	366	485	371	-114

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. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p
EMPLOYMENT BY SELECTED INDUSTRY (Over-the-month change, in thousands)				
Total nonfarm.....	677	292	315	261
Total private.....	694	233	319	233
Goods-producing.....	83	43	48	33
Mining and logging.....	2	-2	3	0
Construction.....	28	9	22	1
Manufacturing.....	53	36	23	32
Durable goods ¹	41	36	13	23
Motor vehicles and parts.....	34.2	12.1	7.4	4.8
Nondurable goods.....	12	0	10	9
Private service-providing.....	611	190	271	200
Wholesale trade.....	12.4	15.1	11.6	14.6
Retail trade.....	43.4	29.3	-7.6	7.2
Transportation and warehousing.....	50.5	-1.7	-11.3	8.2
Utilities.....	-0.2	1.5	0.6	1.1
Information.....	12	7	7	4
Financial activities.....	23	9	1	3
Professional and business services ¹	236	29	52	39
Temporary help services.....	153.1	-0.7	12.6	11.8
Education and health services ¹	68	82	91	79
Health care and social assistance.....	37.9	71.7	80.7	71.1
Leisure and hospitality.....	141	13	107	35
Other services.....	25	5	20	9
Government.....	-17	59	-4	28
(3-month average change, in thousands)				
Total nonfarm.....	539	374	381	289
Total private.....	533	342	333	262
WOMEN AND PRODUCTION AND NONSUPERVISORY EMPLOYEES AS A PERCENT OF ALL EMPLOYEES ²				
Total nonfarm women employees.....	49.8	49.9	49.9	49.9
Total private women employees.....	48.4	48.4	48.5	48.5
Total private production and nonsupervisory employees.....	81.6	81.5	81.5	81.5
HOURS AND EARNINGS ALL EMPLOYEES				
Total private				
Average weekly hours.....	34.8	34.5	34.5	34.5
Average hourly earnings.....	\$31.11	\$32.36	\$32.46	\$32.58
Average weekly earnings.....	\$1,082.63	\$1,116.42	\$1,119.87	\$1,124.01
Index of aggregate weekly hours (2007=100) ³	110.0	112.9	113.2	113.4
Over-the-month percent change.....	0.5	0.2	0.3	0.2
Index of aggregate weekly payrolls (2007=100) ⁴	163.6	174.7	175.7	176.7
Over-the-month percent change.....	1.2	0.5	0.6	0.6
DIFFUSION INDEX (Over 1-month span) ⁵				
Total private (256 industries).....	73.0	59.8	64.3	61.7
Manufacturing (74 industries).....	67.6	53.4	57.4	56.8

¹ Includes other industries, not shown separately.

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

³ 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.

⁴ 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.

⁵ 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 2021 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 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 www.bls.gov/web/empsit/cestn.htm#section7.

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 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 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 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 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 131,000 businesses and government agencies, representing approximately 670,000 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 jobs.

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 active 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 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 worked or received pay for any part of the reference pay period, including persons on paid leave. Persons are counted in each job they hold. *Hours and earnings* data are produced for the private sector for all employees and for production and nonsupervisory employees. *Production and nonsupervisory* employees are defined as production and related employees in manufacturing and mining and logging, construction workers in construction, and non-supervisory employees in private service-providing industries.

Industries are classified on the basis of an establishment's principal activity in accordance with the 2017 version of the North American Industry Classification System. Additional information about the establishment survey can be found at 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. Percentage distributions of unemployment by reason and duration are derived from the sum of the independently seasonally adjusted component series, and will not necessarily match calculations made using the seasonally adjusted total unemployment level. Additional information about seasonal adjustment in the household survey can be found at www.bls.gov/cps/documentation.htm#sa.

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 0.1 percent, with a range from -0.3 percent to 0.3 percent.

Other information

If you are deaf, hard of hearing, or have a speech disability, please dial 7-1-1 to access telecommunications relay services.

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 ¹					
	Oct. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
TOTAL									
Civilian noninstitutional population.....	261,908	264,356	264,535	261,908	263,835	264,012	264,184	264,356	264,535
Civilian labor force.....	161,863	164,463	164,753	161,610	164,023	163,960	164,746	164,689	164,667
Participation rate.....	61.8	62.2	62.3	61.7	62.2	62.1	62.4	62.3	62.2
Employed.....	154,966	159,003	159,144	154,234	158,111	158,290	158,732	158,936	158,608
Employment-population ratio.....	59.2	60.1	60.2	58.9	59.9	60.0	60.1	60.1	60.0
Unemployed.....	6,896	5,460	5,609	7,375	5,912	5,670	6,014	5,753	6,059
Unemployment rate.....	4.3	3.3	3.4	4.6	3.6	3.5	3.7	3.5	3.7
Not in labor force.....	100,045	99,893	99,782	100,298	99,812	100,051	99,438	99,667	99,868
Persons who currently want a job.....	5,567	5,650	5,341	5,935	5,656	5,910	5,549	5,834	5,717
Men, 16 years and over									
Civilian noninstitutional population.....	126,719	128,807	128,897	126,719	128,547	128,636	128,722	128,807	128,897
Civilian labor force.....	85,725	87,529	87,685	85,735	87,213	86,936	87,335	87,711	87,789
Participation rate.....	67.6	68.0	68.0	67.7	67.8	67.6	67.8	68.1	68.1
Employed.....	82,163	84,687	84,799	81,835	84,061	83,891	84,045	84,587	84,571
Employment-population ratio.....	64.8	65.7	65.8	64.6	65.4	65.2	65.3	65.7	65.6
Unemployed.....	3,562	2,842	2,886	3,900	3,152	3,046	3,290	3,124	3,218
Unemployment rate.....	4.2	3.2	3.3	4.5	3.6	3.5	3.8	3.6	3.7
Not in labor force.....	40,994	41,278	41,212	40,983	41,334	41,700	41,387	41,097	41,108
Men, 20 years and over									
Civilian noninstitutional population.....	118,406	120,140	120,225	118,406	119,899	119,977	120,058	120,140	120,225
Civilian labor force.....	82,786	84,594	84,623	82,703	84,040	83,857	84,158	84,660	84,626
Participation rate.....	69.9	70.4	70.4	69.8	70.1	69.9	70.1	70.5	70.4
Employed.....	79,556	82,075	82,093	79,164	81,242	81,164	81,225	81,878	81,792
Employment-population ratio.....	67.2	68.3	68.3	66.9	67.8	67.7	67.7	68.2	68.0
Unemployed.....	3,230	2,519	2,530	3,539	2,797	2,692	2,934	2,783	2,834
Unemployment rate.....	3.9	3.0	3.0	4.3	3.3	3.2	3.5	3.3	3.3
Not in labor force.....	35,620	35,545	35,601	35,703	35,859	36,120	35,900	35,479	35,599
Women, 16 years and over									
Civilian noninstitutional population.....	135,189	135,548	135,638	135,189	135,287	135,376	135,462	135,548	135,638
Civilian labor force.....	76,138	76,934	77,068	75,874	76,809	77,024	77,410	76,978	76,878
Participation rate.....	56.3	56.8	56.8	56.1	56.8	56.9	57.1	56.8	56.7
Employed.....	72,803	74,316	74,345	72,399	74,050	74,399	74,687	74,349	74,037
Employment-population ratio.....	53.9	54.8	54.8	53.6	54.7	55.0	55.1	54.9	54.6
Unemployed.....	3,335	2,618	2,723	3,475	2,760	2,625	2,724	2,629	2,841
Unemployment rate.....	4.4	3.4	3.5	4.6	3.6	3.4	3.5	3.4	3.7
Not in labor force.....	59,052	58,615	58,570	59,315	58,478	58,351	58,052	58,570	58,760
Women, 20 years and over									
Civilian noninstitutional population.....	127,051	127,117	127,204	127,051	126,872	126,951	127,034	127,117	127,204
Civilian labor force.....	73,296	73,842	74,069	72,929	73,741	73,988	74,140	73,750	73,759
Participation rate.....	57.7	58.1	58.2	57.4	58.1	58.3	58.4	58.0	58.0
Employed.....	70,274	71,590	71,628	69,790	71,311	71,710	71,729	71,493	71,224
Employment-population ratio.....	55.3	56.3	56.3	54.9	56.2	56.5	56.5	56.2	56.0
Unemployed.....	3,022	2,251	2,441	3,139	2,430	2,278	2,411	2,258	2,534
Unemployment rate.....	4.1	3.0	3.3	4.3	3.3	3.1	3.3	3.1	3.4
Not in labor force.....	53,755	53,276	53,135	54,122	53,131	52,963	52,895	53,367	53,445
Both sexes, 16 to 19 years									
Civilian noninstitutional population.....	16,451	17,099	17,107	16,451	17,064	17,084	17,091	17,099	17,107
Civilian labor force.....	5,780	6,027	6,061	5,978	6,242	6,116	6,447	6,278	6,283
Participation rate.....	35.1	35.2	35.4	36.3	36.6	35.8	37.7	36.7	36.7
Employed.....	5,137	5,337	5,422	5,281	5,558	5,415	5,778	5,565	5,592
Employment-population ratio.....	31.2	31.2	31.7	32.1	32.6	31.7	33.8	32.5	32.7
Unemployed.....	644	689	638	697	685	700	669	713	691
Unemployment rate.....	11.1	11.4	10.5	11.7	11.0	11.5	10.4	11.4	11.0
Not in labor force.....	10,670	11,072	11,046	10,473	10,822	10,968	10,644	10,821	10,824

¹ 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 ¹					
	Oct. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
WHITE									
Civilian noninstitutional population.....	202,138	203,420	203,522	202,138	203,125	203,229	203,324	203,420	203,522
Civilian labor force.....	124,407	126,036	126,215	124,279	125,706	125,705	126,172	126,183	126,164
Participation rate.....	61.5	62.0	62.0	61.5	61.9	61.9	62.1	62.0	62.0
Employed.....	119,891	122,403	122,490	119,376	121,587	121,822	122,129	122,329	122,078
Employment-population ratio.....	59.3	60.2	60.2	59.1	59.9	59.9	60.1	60.1	60.0
Unemployed.....	4,517	3,633	3,725	4,903	4,119	3,884	4,043	3,855	4,087
Unemployment rate.....	3.6	2.9	3.0	3.9	3.3	3.1	3.2	3.1	3.2
Not in labor force.....	77,731	77,383	77,308	77,859	77,419	77,524	77,152	77,237	77,358
Men, 20 years and over									
Civilian labor force.....	64,725	65,872	66,025	64,693	65,556	65,430	65,600	65,940	66,028
Participation rate.....	69.8	70.2	70.3	69.8	70.0	69.8	69.9	70.3	70.3
Employed.....	62,644	64,221	64,276	62,374	63,529	63,464	63,553	64,048	64,043
Employment-population ratio.....	67.5	68.4	68.4	67.3	67.8	67.7	67.7	68.2	68.2
Unemployed.....	2,081	1,651	1,749	2,320	2,027	1,966	2,048	1,892	1,985
Unemployment rate.....	3.2	2.5	2.6	3.6	3.1	3.0	3.1	2.9	3.0
Women, 20 years and over									
Civilian labor force.....	55,170	55,435	55,592	54,901	55,318	55,565	55,661	55,351	55,334
Participation rate.....	56.7	57.1	57.2	56.4	57.1	57.3	57.4	57.0	57.0
Employed.....	53,184	53,979	54,043	52,800	53,727	54,123	54,125	53,914	53,695
Employment-population ratio.....	54.6	55.6	55.6	54.2	55.4	55.8	55.8	55.5	55.3
Unemployed.....	1,986	1,456	1,550	2,101	1,591	1,442	1,535	1,437	1,638
Unemployment rate.....	3.6	2.6	2.8	3.8	2.9	2.6	2.8	2.6	3.0
Both sexes, 16 to 19 years									
Civilian labor force.....	4,512	4,730	4,597	4,684	4,832	4,711	4,911	4,892	4,803
Participation rate.....	37.4	37.8	36.8	38.8	38.7	37.7	39.3	39.1	38.4
Employed.....	4,062	4,203	4,171	4,202	4,331	4,235	4,451	4,366	4,340
Employment-population ratio.....	33.7	33.6	33.4	34.8	34.7	33.9	35.6	34.9	34.7
Unemployed.....	450	527	426	482	501	476	460	526	463
Unemployment rate.....	10.0	11.1	9.3	10.3	10.4	10.1	9.4	10.8	9.6
BLACK OR AFRICAN AMERICAN									
Civilian noninstitutional population.....	33,699	34,204	34,237	33,699	34,107	34,138	34,171	34,204	34,237
Civilian labor force.....	20,689	21,218	21,368	20,565	21,213	21,174	21,123	21,258	21,243
Participation rate.....	61.4	62.0	62.4	61.0	62.2	62.0	61.8	62.1	62.0
Employed.....	19,120	20,041	20,124	18,962	19,975	19,907	19,776	20,014	19,984
Employment-population ratio.....	56.7	58.6	58.8	56.3	58.6	58.3	57.9	58.5	58.4
Unemployed.....	1,568	1,177	1,244	1,603	1,238	1,268	1,347	1,243	1,259
Unemployment rate.....	7.6	5.5	5.8	7.8	5.8	6.0	6.4	5.8	5.9
Not in labor force.....	13,011	12,986	12,869	13,135	12,895	12,964	13,048	12,946	12,994
Men, 20 years and over									
Civilian labor force.....	9,540	9,907	9,836	9,479	9,866	9,764	9,707	9,894	9,779
Participation rate.....	66.9	68.1	67.6	66.5	68.1	67.3	66.8	68.0	67.2
Employed.....	8,779	9,368	9,335	8,699	9,342	9,212	9,125	9,321	9,264
Employment-population ratio.....	61.6	64.4	64.1	61.0	64.4	63.5	62.8	64.1	63.6
Unemployed.....	761	540	500	780	524	552	582	573	514
Unemployment rate.....	8.0	5.4	5.1	8.2	5.3	5.7	6.0	5.8	5.3
Women, 20 years and over									
Civilian labor force.....	10,447	10,638	10,770	10,383	10,628	10,688	10,643	10,636	10,699
Participation rate.....	61.2	61.9	62.6	60.9	62.0	62.3	62.0	61.9	62.2
Employed.....	9,742	10,072	10,140	9,673	10,030	10,119	10,018	10,058	10,081
Employment-population ratio.....	57.1	58.6	59.0	56.7	58.6	59.0	58.4	58.6	58.6
Unemployed.....	705	565	630	710	598	569	625	578	619
Unemployment rate.....	6.7	5.3	5.8	6.8	5.6	5.3	5.9	5.4	5.8
Both sexes, 16 to 19 years									
Civilian labor force.....	702	673	762	703	719	722	773	728	765
Participation rate.....	29.4	27.1	30.6	29.5	29.0	29.1	31.1	29.3	30.7
Employed.....	599	601	648	590	603	576	634	635	639
Employment-population ratio.....	25.1	24.2	26.0	24.7	24.3	23.2	25.5	25.5	25.7
Unemployed.....	102	72	114	113	116	146	140	92	127
Unemployment rate.....	14.6	10.7	15.0	16.0	16.1	20.3	18.1	12.7	16.5

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 ¹					
	Oct. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
ASIAN									
Civilian noninstitutional population.....	16,485	17,132	17,129	16,485	16,910	16,920	16,989	17,132	17,129
Civilian labor force.....	10,756	11,151	11,100	10,767	10,894	10,980	11,096	11,122	11,124
Participation rate.....	65.2	65.1	64.8	65.3	64.4	64.9	65.3	64.9	64.9
Employed.....	10,312	10,882	10,776	10,310	10,565	10,693	10,790	10,848	10,797
Employment-population ratio.....	62.5	63.5	62.9	62.5	62.5	63.2	63.5	63.3	63.0
Unemployed.....	445	269	323	457	330	287	307	274	327
Unemployment rate.....	4.1	2.4	2.9	4.2	3.0	2.6	2.8	2.5	2.9
Not in labor force.....	5,729	5,981	6,029	5,718	6,016	5,940	5,893	6,009	6,005

¹ 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 ¹					
	Oct. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
HISPANIC OR LATINO ETHNICITY									
Civilian noninstitutional population.....	45,159	46,373	46,459	45,159	46,119	46,200	46,287	46,373	46,459
Civilian labor force.....	29,736	30,641	30,796	29,663	30,670	30,363	30,918	30,650	30,710
Participation rate.....	65.8	66.1	66.3	65.7	66.5	65.7	66.8	66.1	66.1
Employed.....	28,154	29,515	29,595	27,962	29,364	29,170	29,539	29,470	29,434
Employment-population ratio.....	62.3	63.6	63.7	61.9	63.7	63.1	63.8	63.5	63.4
Unemployed.....	1,582	1,126	1,202	1,701	1,306	1,193	1,379	1,180	1,277
Unemployment rate.....	5.3	3.7	3.9	5.7	4.3	3.9	4.5	3.8	4.2
Not in labor force.....	15,423	15,732	15,663	15,496	15,449	15,837	15,369	15,724	15,749
Men, 20 years and over									
Civilian labor force.....	16,220	16,523	16,674	16,213	16,743	16,452	16,625	16,506	16,638
Participation rate.....	79.5	78.7	79.2	79.4	80.1	78.6	79.3	78.6	79.1
Employed.....	15,495	16,031	16,068	15,410	16,170	15,870	15,976	15,971	16,004
Employment-population ratio.....	75.9	76.3	76.3	75.5	77.4	75.8	76.2	76.0	76.0
Unemployed.....	724	493	606	803	573	581	649	535	634
Unemployment rate.....	4.5	3.0	3.6	5.0	3.4	3.5	3.9	3.2	3.8
Women, 20 years and over									
Civilian labor force.....	12,127	12,792	12,717	12,054	12,486	12,515	12,812	12,778	12,655
Participation rate.....	58.6	60.7	60.2	58.3	59.6	59.6	60.9	60.6	59.9
Employed.....	11,485	12,339	12,294	11,374	11,926	12,113	12,264	12,321	12,186
Employment-population ratio.....	55.5	58.6	58.2	55.0	56.9	57.7	58.3	58.5	57.7
Unemployed.....	642	452	424	680	560	402	547	457	469
Unemployment rate.....	5.3	3.5	3.3	5.6	4.5	3.2	4.3	3.6	3.7
Both sexes, 16 to 19 years									
Civilian labor force.....	1,389	1,326	1,405	1,396	1,441	1,397	1,482	1,365	1,417
Participation rate.....	34.1	30.9	32.7	34.3	33.8	32.7	34.6	31.8	33.0
Employed.....	1,173	1,145	1,233	1,178	1,268	1,187	1,299	1,178	1,243
Employment-population ratio.....	28.8	26.7	28.7	29.0	29.7	27.8	30.3	27.5	28.9
Unemployed.....	216	181	172	218	173	210	183	187	174
Unemployment rate.....	15.5	13.6	12.2	15.6	12.0	15.0	12.3	13.7	12.3

¹ 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. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
Less than a high school diploma									
Civilian labor force.....	8,921	9,094	9,016	9,025	9,210	8,924	8,646	8,992	9,155
Participation rate.....	45.9	46.2	46.0	46.4	44.7	46.2	45.4	45.7	46.7
Employed.....	8,365	8,674	8,534	8,368	8,680	8,398	8,110	8,491	8,577
Employment-population ratio.....	43.1	44.1	43.5	43.1	42.2	43.5	42.5	43.1	43.7
Unemployed.....	555	420	481	657	530	526	536	501	578
Unemployment rate.....	6.2	4.6	5.3	7.3	5.8	5.9	6.2	5.6	6.3
High school graduates, no college¹									
Civilian labor force.....	35,575	35,488	35,243	35,282	35,985	35,386	35,798	35,278	35,038
Participation rate.....	55.5	56.5	56.2	55.0	56.8	56.1	56.4	56.1	55.9
Employed.....	33,774	34,244	33,915	33,395	34,679	34,113	34,284	33,973	33,656
Employment-population ratio.....	52.7	54.5	54.1	52.1	54.8	54.1	54.0	54.1	53.7
Unemployed.....	1,801	1,244	1,328	1,888	1,305	1,273	1,514	1,306	1,382
Unemployment rate.....	5.1	3.5	3.8	5.4	3.6	3.6	4.2	3.7	3.9
Some college or associate degree									
Civilian labor force.....	35,710	35,597	36,169	35,394	35,707	35,575	35,586	35,544	35,805
Participation rate.....	63.4	62.8	63.3	62.8	62.6	62.6	63.0	62.7	62.7
Employed.....	34,236	34,609	35,132	33,863	34,585	34,563	34,538	34,530	34,731
Employment-population ratio.....	60.8	61.0	61.5	60.1	60.6	60.8	61.2	60.9	60.8
Unemployed.....	1,474	989	1,037	1,531	1,122	1,012	1,048	1,014	1,074
Unemployment rate.....	4.1	2.8	2.9	4.3	3.1	2.8	2.9	2.9	3.0
Bachelor's degree and higher²									
Civilian labor force.....	61,068	63,574	63,458	60,951	62,098	63,380	63,701	63,610	63,376
Participation rate.....	72.0	73.0	72.9	71.9	73.1	73.0	73.1	73.0	72.8
Employed.....	59,654	62,473	62,292	59,477	60,800	62,094	62,519	62,478	62,156
Employment-population ratio.....	70.3	71.7	71.6	70.1	71.6	71.5	71.7	71.7	71.4
Unemployed.....	1,414	1,100	1,166	1,473	1,297	1,286	1,182	1,132	1,220
Unemployment rate.....	2.3	1.7	1.8	2.4	2.1	2.0	1.9	1.8	1.9

¹ Includes persons with a high school diploma or equivalent.

² Includes persons with bachelor's, master's, professional, and doctoral degrees.

NOTE: Detail for the seasonally adjusted data shown in this table will not necessarily add to totals for those 25 years and over 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-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. 2021	Oct. 2022	Oct. 2021	Oct. 2022	Oct. 2021	Oct. 2022
VETERANS, 18 years and over						
Civilian noninstitutional population.....	17,981	18,291	16,059	16,259	1,922	2,032
Civilian labor force.....	8,417	8,833	7,267	7,613	1,150	1,221
Participation rate.....	46.8	48.3	45.3	46.8	59.8	60.1
Employed.....	8,090	8,610	6,999	7,417	1,091	1,192
Employment-population ratio.....	45.0	47.1	43.6	45.6	56.8	58.7
Unemployed.....	327	224	268	195	59	28
Unemployment rate.....	3.9	2.5	3.7	2.6	5.1	2.3
Not in labor force.....	9,564	9,458	8,792	8,646	772	811
 Gulf War-era II veterans						
Civilian noninstitutional population.....	4,607	4,949	3,834	4,076	773	873
Civilian labor force.....	3,637	4,044	3,081	3,369	557	675
Participation rate.....	79.0	81.7	80.4	82.7	72.0	77.3
Employed.....	3,500	3,931	2,974	3,278	526	654
Employment-population ratio.....	76.0	79.4	77.6	80.4	68.1	74.9
Unemployed.....	137	113	107	92	30	21
Unemployment rate.....	3.8	2.8	3.5	2.7	5.5	3.1
Not in labor force.....	969	905	753	706	216	198
 Gulf War-era I veterans						
Civilian noninstitutional population.....	3,131	3,234	2,599	2,728	532	506
Civilian labor force.....	2,236	2,276	1,879	1,955	357	321
Participation rate.....	71.4	70.4	72.3	71.7	67.2	63.5
Employed.....	2,144	2,222	1,804	1,904	340	318
Employment-population ratio.....	68.5	68.7	69.4	69.8	63.9	62.9
Unemployed.....	92	54	74	51	18	3
Unemployment rate.....	4.1	2.4	4.0	2.6	4.9	0.9
Not in labor force.....	895	958	720	773	175	184
 World War II, Korean War, and Vietnam-era veterans						
Civilian noninstitutional population.....	6,328	6,154	6,105	5,909	223	245
Civilian labor force.....	1,002	886	952	837	50	49
Participation rate.....	15.8	14.4	15.6	14.2	22.2	20.2
Employed.....	961	867	917	817	45	49
Employment-population ratio.....	15.2	14.1	15.0	13.8	20.0	20.2
Unemployed.....	40	19	35	19	5	0
Unemployment rate.....	4.0	2.2	3.7	2.3	-	-
Not in labor force.....	5,326	5,268	5,153	5,072	173	196
 Veterans of other service periods						
Civilian noninstitutional population.....	3,915	3,954	3,521	3,546	394	408
Civilian labor force.....	1,542	1,627	1,355	1,452	186	175
Participation rate.....	39.4	41.1	38.5	40.9	47.3	42.9
Employed.....	1,485	1,589	1,304	1,418	180	171
Employment-population ratio.....	37.9	40.2	37.0	40.0	45.8	41.9
Unemployed.....	57	38	51	34	6	4
Unemployment rate.....	3.7	2.3	3.8	2.3	3.2	2.4
Not in labor force.....	2,373	2,327	2,166	2,094	208	233
NONVETERANS, 18 years and over						
Civilian noninstitutional population.....	235,095	236,800	106,291	107,887	128,804	128,913
Civilian labor force.....	151,257	153,525	77,395	78,943	73,862	74,582
Participation rate.....	64.3	64.8	72.8	73.2	57.3	57.9
Employed.....	144,876	148,341	74,192	76,371	70,684	71,970
Employment-population ratio.....	61.6	62.6	69.8	70.8	54.9	55.8
Unemployed.....	6,381	5,184	3,203	2,572	3,178	2,611
Unemployment rate.....	4.2	3.4	4.1	3.3	4.3	3.5
Not in labor force.....	83,837	83,275	28,896	28,943	54,941	54,332

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. 2021	Oct. 2022	Oct. 2021	Oct. 2022
TOTAL, 16 years and over				
Civilian noninstitutional population.....	31,195	32,819	230,713	231,716
Civilian labor force.....	6,987	7,797	154,876	156,956
Participation rate.....	22.4	23.8	67.1	67.7
Employed.....	6,352	7,224	148,615	151,920
Employment-population ratio.....	20.4	22.0	64.4	65.6
Unemployed.....	635	573	6,261	5,036
Unemployment rate.....	9.1	7.4	4.0	3.2
Not in labor force.....	24,208	25,022	75,837	74,760
Men, 16 to 64 years				
Civilian labor force.....	2,900	3,318	76,743	78,017
Participation rate.....	37.5	39.7	82.1	82.6
Employed.....	2,636	3,035	73,652	75,544
Employment-population ratio.....	34.1	36.3	78.8	80.0
Unemployed.....	264	283	3,091	2,473
Unemployment rate.....	9.1	8.5	4.0	3.2
Not in labor force.....	4,828	5,037	16,695	16,397
Women, 16 to 64 years				
Civilian labor force.....	2,855	3,092	68,510	68,970
Participation rate.....	36.1	37.6	71.3	71.7
Employed.....	2,550	2,848	65,667	66,604
Employment-population ratio.....	32.3	34.7	68.3	69.2
Unemployed.....	305	244	2,844	2,366
Unemployment rate.....	10.7	7.9	4.2	3.4
Not in labor force.....	5,050	5,122	27,572	27,276
Both sexes, 65 years and over				
Civilian labor force.....	1,232	1,387	9,622	9,968
Participation rate.....	7.9	8.5	23.4	24.3
Employed.....	1,166	1,341	9,296	9,772
Employment-population ratio.....	7.5	8.3	22.6	23.8
Unemployed.....	66	46	326	196
Unemployment rate.....	5.3	3.3	3.4	2.0
Not in labor force.....	14,330	14,864	31,571	31,087

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. 2021	Oct. 2022	Oct. 2021	Oct. 2022	Oct. 2021	Oct. 2022
Foreign born, 16 years and over						
Civilian noninstitutional population.....	43,449	45,908	21,226	22,506	22,223	23,402
Civilian labor force.....	28,564	30,459	16,570	17,657	11,994	12,802
Participation rate.....	65.7	66.3	78.1	78.5	54.0	54.7
Employed.....	27,341	29,451	15,932	17,110	11,409	12,340
Employment-population ratio.....	62.9	64.2	75.1	76.0	51.3	52.7
Unemployed.....	1,224	1,008	639	547	585	461
Unemployment rate.....	4.3	3.3	3.9	3.1	4.9	3.6
Not in labor force.....	14,885	15,450	4,656	4,849	10,229	10,600
Native born, 16 years and over						
Civilian noninstitutional population.....	218,458	218,627	105,492	106,391	112,966	112,236
Civilian labor force.....	133,298	134,294	69,155	70,028	64,144	64,267
Participation rate.....	61.0	61.4	65.6	65.8	56.8	57.3
Employed.....	127,626	129,693	66,232	67,688	61,394	62,005
Employment-population ratio.....	58.4	59.3	62.8	63.6	54.3	55.2
Unemployed.....	5,673	4,601	2,923	2,340	2,750	2,261
Unemployment rate.....	4.3	3.4	4.2	3.3	4.3	3.5
Not in labor force.....	85,160	84,333	36,338	36,363	48,822	47,970

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. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
CLASS OF WORKER									
Agriculture and related industries.....	2,418	2,165	2,300	2,296	2,308	2,429	2,178	2,178	2,205
Wage and salary workers ¹	1,596	1,448	1,577	1,501	1,520	1,621	1,491	1,474	1,497
Self-employed workers, unincorporated.....	785	700	701	769	747	752	645	696	691
Unpaid family workers.....	37	18	22	-	-	-	-	-	-
Nonagricultural industries.....	152,548	156,838	156,845	152,070	156,114	156,002	156,931	156,956	156,645
Wage and salary workers ¹	142,933	147,538	147,397	142,194	146,346	146,627	147,397	147,268	147,004
Government.....	20,586	21,166	21,258	20,511	20,601	21,272	21,220	21,313	21,180
Private industries.....	122,347	126,372	126,139	122,175	125,767	125,421	126,111	126,494	126,165
Private households.....	766	705	743	-	-	-	-	-	-
Other industries.....	121,581	125,667	125,397	121,460	125,210	124,799	125,441	125,902	125,559
Self-employed workers, unincorporated.....	9,548	9,235	9,394	9,465	9,255	8,971	8,985	9,161	9,283
Unpaid family workers.....	68	65	54	-	-	-	-	-	-
PERSONS AT WORK PART TIME²									
 All industries									
Part time for economic reasons ³	4,094	3,523	3,356	4,398	3,621	3,924	4,149	3,843	3,660
Slack work or business conditions.....	2,913	2,393	2,335	3,108	2,366	2,697	2,769	2,577	2,534
Could only find part-time work.....	928	945	817	961	914	910	979	952	870
Part time for noneconomic reasons ⁴	21,128	21,389	21,901	20,539	20,602	21,103	21,044	21,233	21,274
 Nonagricultural industries									
Part time for economic reasons ³	3,998	3,479	3,301	4,273	3,694	3,888	4,075	3,763	3,577
Slack work or business conditions.....	2,838	2,353	2,288	3,032	2,345	2,676	2,727	2,527	2,486
Could only find part-time work.....	927	945	813	962	912	909	966	952	867
Part time for noneconomic reasons ⁴	20,773	21,047	21,555	20,200	20,180	20,675	20,710	20,887	20,932

¹ Includes self-employed workers whose businesses are incorporated.

² 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.

³ 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.

⁴ 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. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
AGE AND SEX									
Total, 16 years and over.....	154,966	159,003	159,144	154,234	158,111	158,290	158,732	158,936	158,608
16 to 19 years.....	5,137	5,337	5,422	5,281	5,558	5,415	5,778	5,565	5,592
16 to 17 years.....	1,999	2,115	2,193	1,992	2,114	2,076	2,255	2,087	2,189
18 to 19 years.....	3,137	3,222	3,229	3,289	3,443	3,343	3,485	3,464	3,389
20 years and over.....	149,830	153,666	153,722	148,953	152,554	152,875	152,953	153,371	153,016
20 to 24 years.....	13,800	13,666	13,849	13,718	13,852	13,902	13,670	13,755	13,780
25 years and over.....	136,030	140,000	139,873	135,282	138,603	138,969	139,259	139,598	139,214
25 to 54 years.....	99,355	102,291	102,028	98,795	101,495	101,686	102,053	102,037	101,548
25 to 34 years.....	35,257	35,451	35,527	35,029	35,437	35,436	35,555	35,392	35,320
35 to 44 years.....	33,237	34,735	34,760	33,042	34,508	34,616	34,694	34,618	34,607
45 to 54 years.....	30,862	32,105	31,742	30,723	31,550	31,634	31,804	32,027	31,621
55 years and over.....	36,674	37,709	37,844	36,487	37,108	37,283	37,206	37,561	37,666
Men, 16 years and over.....	82,163	84,687	84,799	81,835	84,061	83,891	84,045	84,587	84,571
16 to 19 years.....	2,608	2,612	2,705	2,672	2,819	2,726	2,820	2,709	2,779
16 to 17 years.....	972	958	1,010	984	1,046	988	1,036	954	1,027
18 to 19 years.....	1,636	1,653	1,695	1,691	1,769	1,742	1,761	1,749	1,751
20 years and over.....	79,556	82,075	82,093	79,164	81,242	81,164	81,225	81,878	81,792
20 to 24 years.....	6,969	7,003	7,150	6,972	7,081	7,022	6,900	7,038	7,146
25 years and over.....	72,587	75,072	74,943	72,181	74,052	74,151	74,233	74,762	74,581
25 to 54 years.....	53,007	54,560	54,379	52,717	54,161	54,190	54,193	54,381	54,130
25 to 34 years.....	18,855	18,926	18,845	18,715	18,842	18,740	18,767	18,866	18,718
35 to 44 years.....	17,866	18,656	18,721	17,784	18,492	18,631	18,651	18,579	18,656
45 to 54 years.....	16,286	16,979	16,813	16,218	16,828	16,819	16,776	16,936	16,756
55 years and over.....	19,580	20,512	20,564	19,464	19,890	19,961	20,040	20,381	20,450
Women, 16 years and over.....	72,803	74,316	74,345	72,399	74,050	74,399	74,687	74,349	74,037
16 to 19 years.....	2,529	2,726	2,717	2,609	2,739	2,689	2,958	2,856	2,813
16 to 17 years.....	1,027	1,157	1,183	1,008	1,067	1,088	1,219	1,133	1,162
18 to 19 years.....	1,501	1,568	1,534	1,598	1,674	1,601	1,724	1,715	1,637
20 years and over.....	70,274	71,590	71,628	69,790	71,311	71,710	71,729	71,493	71,224
20 to 24 years.....	6,831	6,663	6,699	6,746	6,771	6,880	6,770	6,717	6,635
25 years and over.....	63,443	64,928	64,929	63,101	64,551	64,818	65,026	64,836	64,633
25 to 54 years.....	46,348	47,731	47,649	46,078	47,334	47,496	47,860	47,656	47,418
25 to 34 years.....	16,401	16,525	16,682	16,314	16,595	16,696	16,789	16,526	16,602
35 to 44 years.....	15,371	16,079	16,039	15,258	16,016	15,986	16,044	16,039	15,951
45 to 54 years.....	14,576	15,127	14,928	14,505	14,722	14,814	15,028	15,091	14,865
55 years and over.....	17,095	17,197	17,280	17,023	17,218	17,322	17,165	17,180	17,216
MARITAL STATUS									
Married men, spouse present ¹	43,910	46,100	45,631	43,794	45,222	45,449	45,422	45,912	45,556
Married women, spouse present ¹	35,209	36,616	36,309	34,988	36,526	36,954	36,828	36,615	36,155
Women who maintain families ²	9,696	9,813	9,629	-	-	-	-	-	-
FULL- OR PART-TIME STATUS									
Full-time workers ³	128,848	133,027	132,544	128,409	132,648	132,577	132,335	132,661	132,228
Part-time workers ⁴	26,119	25,976	26,600	25,903	25,440	25,824	26,237	26,230	26,394
MULTIPLE JOBHOLDERS									
Total multiple jobholders.....	7,166	7,739	7,676	6,984	7,541	7,633	7,747	7,746	7,496
Percent of total employed.....	4.6	4.9	4.8	4.5	4.8	4.8	4.9	4.9	4.7
SELF-EMPLOYMENT									
Self-employed workers, incorporated.....	6,334	6,710	6,851	-	-	-	-	-	-
Self-employed workers, unincorporated.....	10,332	9,935	10,095	10,234	10,002	9,723	9,629	9,858	9,974

¹ Beginning with data for January 2020, refers to persons in both opposite-sex and same-sex married couples. Prior to January 2020, referred to persons in opposite-sex married couples only.

² Beginning with data for January 2020, refers to female householders residing with one or more family members, but not a spouse of either sex. Prior to January 2020, referred to female householders residing with one or more family members, but not an opposite-sex spouse.

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

⁴ 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. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
AGE AND SEX									
Total, 16 years and over.....	7,375	5,753	6,059	4.6	3.6	3.5	3.7	3.5	3.7
16 to 19 years.....	697	713	691	11.7	11.0	11.5	10.4	11.4	11.0
16 to 17 years.....	223	294	240	10.1	11.2	10.3	9.7	12.4	9.9
18 to 19 years.....	475	424	456	12.6	10.2	12.1	10.9	10.9	11.9
20 years and over.....	6,679	5,040	5,368	4.3	3.3	3.1	3.4	3.2	3.4
20 to 24 years.....	1,071	1,030	1,020	7.2	6.8	6.4	6.9	7.0	6.9
25 years and over.....	5,579	3,980	4,319	4.0	3.0	2.8	3.0	2.8	3.0
25 to 54 years.....	4,266	3,074	3,386	4.1	3.0	2.9	3.1	2.9	3.2
25 to 34 years.....	1,763	1,313	1,457	4.8	3.4	3.5	3.7	3.6	4.0
35 to 44 years.....	1,311	1,072	1,025	3.8	3.2	2.7	2.9	3.0	2.9
45 to 54 years.....	1,192	689	904	3.7	2.4	2.4	2.7	2.1	2.8
55 years and over.....	1,363	926	962	3.6	2.7	2.5	2.7	2.4	2.5
Men, 16 years and over.....	3,900	3,124	3,218	4.5	3.6	3.5	3.8	3.6	3.7
16 to 19 years.....	361	341	384	11.9	11.2	11.5	11.2	11.2	12.1
16 to 17 years.....	106	145	138	9.8	11.2	8.7	11.5	13.2	11.8
18 to 19 years.....	257	200	254	13.2	9.8	12.8	11.2	10.3	12.7
20 years and over.....	3,539	2,783	2,834	4.3	3.3	3.2	3.5	3.3	3.3
20 to 24 years.....	620	606	550	8.2	7.6	7.3	8.1	7.9	7.1
25 years and over.....	2,912	2,165	2,271	3.9	2.9	2.8	3.0	2.8	3.0
25 to 54 years.....	2,214	1,675	1,771	4.0	2.9	2.9	3.1	3.0	3.2
25 to 34 years.....	995	706	769	5.0	3.5	3.3	3.7	3.6	3.9
35 to 44 years.....	676	564	502	3.7	2.9	2.9	3.0	2.9	2.6
45 to 54 years.....	543	405	500	3.2	2.3	2.5	2.7	2.3	2.9
55 years and over.....	699	490	501	3.5	2.8	2.5	2.7	2.3	2.4
Women, 16 years and over.....	3,475	2,629	2,841	4.6	3.6	3.4	3.5	3.4	3.7
16 to 19 years.....	336	372	307	11.4	10.8	11.4	9.6	11.5	9.8
16 to 17 years.....	117	149	102	10.4	11.1	11.6	8.2	11.6	8.1
18 to 19 years.....	218	224	202	12.0	10.6	11.3	10.5	11.6	11.0
20 years and over.....	3,139	2,258	2,534	4.3	3.3	3.1	3.3	3.1	3.4
20 to 24 years.....	452	424	470	6.3	6.0	5.4	5.7	5.9	6.6
25 years and over.....	2,667	1,815	2,047	4.1	3.1	2.8	3.0	2.7	3.1
25 to 54 years.....	2,052	1,399	1,615	4.3	3.2	2.9	3.1	2.9	3.3
25 to 34 years.....	768	607	688	4.5	3.4	3.6	3.8	3.5	4.0
35 to 44 years.....	635	507	523	4.0	3.6	2.6	2.8	3.1	3.2
45 to 54 years.....	649	284	404	4.3	2.6	2.4	2.7	1.8	2.6
55 years and over.....	642	420	446	3.6	2.7	2.3	2.6	2.4	2.5
MARITAL STATUS									
Married men, spouse present ¹	1,120	840	891	2.5	2.0	1.8	2.0	1.8	1.9
Married women, spouse present ¹	1,080	708	801	3.0	2.3	2.1	2.1	1.9	2.2
Women who maintain families ²	610	488	577	5.9	4.5	4.7	5.1	4.7	5.7
FULL- OR PART-TIME STATUS									
Full-time workers ³	6,144	4,751	5,027	4.6	3.5	3.3	3.6	3.5	3.7
Part-time workers ⁴	1,269	1,010	1,073	4.7	3.9	4.2	4.1	3.7	3.9

¹ Beginning with data for January 2020, refers to persons in both opposite-sex and same-sex married couples. Prior to January 2020, referred to persons in opposite-sex married couples only.

² Data are not seasonally adjusted. Beginning with data for January 2020, refers to female householders residing with one or more family members, but not a spouse of either sex. Prior to January 2020, referred to female householders residing with one or more family members, but not an opposite-sex spouse.

³ 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.

⁴ 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. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
NUMBER OF UNEMPLOYED									
Job losers and persons who completed temporary jobs.....	3,306	2,176	2,335	3,700	2,645	2,547	2,720	2,495	2,663
On temporary layoff.....	693	463	526	1,041	827	791	782	758	847
Not on temporary layoff.....	2,613	1,713	1,809	2,659	1,818	1,756	1,938	1,737	1,816
Permanent job losers.....	2,082	1,161	1,260	2,102	1,273	1,166	1,354	1,181	1,241
Persons who completed temporary jobs....	530	552	549	557	545	589	584	556	576
Job leavers.....	869	976	887	845	832	842	898	905	862
Reentrants.....	2,186	1,867	1,887	2,206	1,990	1,826	1,836	1,840	1,886
New entrants.....	536	441	501	537	464	460	440	447	485
PERCENT DISTRIBUTION									
Job losers and persons who completed temporary jobs.....	47.9	39.9	41.6	50.8	44.6	44.9	46.2	43.9	45.2
On temporary layoff.....	10.1	8.5	9.4	14.3	13.9	13.9	13.3	13.3	14.4
Not on temporary layoff.....	37.9	31.4	32.2	36.5	30.7	30.9	32.9	30.5	30.8
Job leavers.....	12.6	17.9	15.8	11.6	14.0	14.8	15.2	15.9	14.6
Reentrants.....	31.7	34.2	33.6	30.3	33.6	32.2	31.2	32.4	32.0
New entrants.....	7.8	8.1	8.9	7.4	7.8	8.1	7.5	7.9	8.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE									
Job losers and persons who completed temporary jobs.....	2.0	1.3	1.4	2.3	1.6	1.6	1.7	1.5	1.6
Job leavers.....	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Reentrants.....	1.4	1.1	1.1	1.4	1.2	1.1	1.1	1.1	1.1
New entrants.....	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

NOTE: Detail for the seasonally adjusted data shown in this table will not necessarily add to total unemployed in table A-1 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-12. Unemployed persons by duration of unemployment

[Numbers in thousands]

Duration	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
NUMBER OF UNEMPLOYED									
Less than 5 weeks.....	1,884	2,127	2,023	2,051	2,262	2,080	2,223	2,154	2,211
5 to 14 weeks.....	1,762	1,474	1,696	1,876	1,552	1,772	1,807	1,645	1,783
15 weeks and over.....	3,251	1,859	1,889	3,340	2,089	1,785	2,022	1,966	1,970
15 to 26 weeks.....	919	751	714	1,001	753	718	885	899	805
27 weeks and over.....	2,332	1,109	1,175	2,339	1,336	1,067	1,137	1,067	1,165
Average (mean) duration, in weeks.....	27.7	20.7	21.5	26.9	22.3	22.1	22.3	20.2	20.8
Median duration, in weeks.....	13.1	8.8	8.6	13.0	8.5	8.5	8.5	8.3	8.1
PERCENT DISTRIBUTION									
Less than 5 weeks.....	27.3	39.0	36.1	28.2	38.3	36.9	36.7	37.4	37.1
5 to 14 weeks.....	25.5	27.0	30.2	25.8	26.3	31.4	29.9	28.5	29.9
15 weeks and over.....	47.1	34.1	33.7	46.0	35.4	31.7	33.4	34.1	33.0
15 to 26 weeks.....	13.3	13.7	12.7	13.8	12.8	12.7	14.6	15.6	13.5
27 weeks and over.....	33.8	20.3	21.0	32.2	22.6	18.9	18.8	18.5	19.5

NOTE: Detail for the seasonally adjusted data shown in this table will not necessarily add to total unemployed in table A-1 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-13. Employed and unemployed persons by occupation, not seasonally adjusted

[Numbers in thousands]

Occupation	Employed		Unemployed		Unemployment rates	
	Oct. 2021	Oct. 2022	Oct. 2021	Oct. 2022	Oct. 2021	Oct. 2022
Total, 16 years and over ¹	154,966	159,144	6,896	5,609	4.3	3.4
Management, professional, and related occupations.....	65,335	68,918	1,453	1,398	2.2	2.0
Management, business, and financial operations occupations.....	27,665	29,433	656	639	2.3	2.1
Professional and related occupations.....	37,669	39,485	796	759	2.1	1.9
Service occupations.....	25,458	25,749	1,709	1,134	6.3	4.2
Sales and office occupations.....	29,914	29,886	1,400	1,060	4.5	3.4
Sales and related occupations.....	14,155	14,242	672	497	4.5	3.4
Office and administrative support occupations.....	15,759	15,644	728	563	4.4	3.5
Natural resources, construction, and maintenance occupations.....	14,258	14,463	616	606	4.1	4.0
Farming, fishing, and forestry occupations.....	1,076	938	65	77	5.7	7.6
Construction and extraction occupations.....	8,356	8,658	446	413	5.1	4.6
Installation, maintenance, and repair occupations.....	4,826	4,867	104	116	2.1	2.3
Production, transportation, and material moving occupations.....	20,001	20,128	1,169	886	5.5	4.2
Production occupations.....	8,268	8,184	388	295	4.5	3.5
Transportation and material moving occupations.....	11,733	11,944	782	591	6.2	4.7

¹ 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. Effective with January 2020 data, occupations reflect the introduction of the 2018 Census occupational classification system into the Current Population Survey, or household survey. This classification system is derived from the 2018 Standard Occupational Classification (SOC). No historical data have been revised. Data for 2020 are not strictly comparable with earlier years.

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. 2021	Oct. 2022	Oct. 2021	Oct. 2022
Total, 16 years and over ¹	6,896	5,609	4.3	3.4
Nonagricultural private wage and salary workers.....	5,301	4,381	4.2	3.4
Mining, quarrying, and oil and gas extraction.....	63	4	10.0	0.8
Construction.....	398	419	4.0	4.1
Manufacturing.....	499	463	3.3	3.1
Durable goods.....	279	319	2.9	3.3
Nondurable goods.....	220	144	4.0	2.7
Wholesale and retail trade.....	1,019	699	5.2	3.6
Transportation and utilities.....	381	273	4.7	3.3
Information.....	83	94	3.5	3.3
Financial activities.....	192	195	1.9	1.9
Professional and business services.....	791	645	4.4	3.5
Education and health services.....	677	677	2.8	2.7
Leisure and hospitality.....	960	738	7.5	5.5
Other services.....	239	174	3.5	2.5
Agriculture and related private wage and salary workers.....	83	81	5.1	5.1
Government workers.....	467	321	2.2	1.5
Self-employed workers, unincorporated, and unpaid family workers.....	510	325	4.7	3.1

¹ 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. Effective with January 2020 data, industries reflect the introduction of the 2017 Census industry classification system into the Current Population Survey. This industry classification system is derived from the 2017 North American Industry Classification System (NAICS). No historical data have been revised.

HOUSEHOLD DATA

Table A-15. Alternative measures of labor underutilization

[Percent]

Measure	Not seasonally adjusted			Seasonally adjusted					
	Oct. 2021	Sept. 2022	Oct. 2022	Oct. 2021	June 2022	July 2022	Aug. 2022	Sept. 2022	Oct. 2022
U-1 Persons unemployed 15 weeks or longer, as a percent of the civilian labor force.....	2.0	1.1	1.1	2.1	1.3	1.1	1.2	1.2	1.2
U-2 Job losers and persons who completed temporary jobs, as a percent of the civilian labor force.....	2.0	1.3	1.4	2.3	1.6	1.6	1.7	1.5	1.6
U-3 Total unemployed, as a percent of the civilian labor force (official unemployment rate).....	4.3	3.3	3.4	4.6	3.6	3.5	3.7	3.5	3.7
U-4 Total unemployed plus discouraged workers, as a percent of the civilian labor force plus discouraged workers.....	4.5	3.6	3.6	4.8	3.8	3.7	3.9	3.8	3.9
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.....	5.2	4.3	4.3	5.5	4.5	4.4	4.5	4.4	4.6
U-6 Total unemployed, plus all persons marginally attached to the labor force, plus total employed part time for economic reasons, as a percent of the civilian labor force plus all persons marginally attached to the labor force.....	7.7	6.4	6.3	8.2	6.7	6.7	7.0	6.7	6.8

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. 2021	Oct. 2022	Oct. 2021	Oct. 2022	Oct. 2021	Oct. 2022
NOT IN THE LABOR FORCE						
Total not in the labor force.....	100,045	99,782	40,994	41,212	59,052	58,570
Persons who currently want a job.....	5,567	5,341	2,478	2,618	3,089	2,723
Marginally attached to the labor force ¹	1,638	1,469	842	786	796	683
Discouraged workers ²	460	373	315	261	145	112
Other persons marginally attached to the labor force ³ ..	1,178	1,096	527	525	651	571
MULTIPLE JOBHOLDERS						
Total multiple jobholders ⁴	7,166	7,676	3,467	3,846	3,699	3,830
Percent of total employed.....	4.6	4.8	4.2	4.5	5.1	5.2
Primary job full time, secondary job part time.....	4,193	4,449	2,194	2,449	1,999	1,999
Primary and secondary jobs both part time.....	1,598	1,733	540	612	1,059	1,122
Primary and secondary jobs both full time.....	361	347	215	194	146	154
Hours vary on primary or secondary job.....	953	1,095	499	565	454	530

¹ 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.

² 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.

³ 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.

⁴ 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.2022 - Oct.2022 ^P
	Oct. 2021	Aug. 2022	Sept. 2022 ^P	Oct. 2022 ^P	Oct. 2021	Aug. 2022	Sept. 2022 ^P	Oct. 2022 ^P	
Total nonfarm.....	149,310	152,674	153,197	154,369	148,005	152,732	153,047	153,308	261
Total private.....	126,847	131,180	130,793	131,656	125,911	130,406	130,725	130,958	233
Goods-producing.....	20,705	21,481	21,409	21,451	20,499	21,196	21,244	21,277	33
Mining and logging.....	584	638	637	639	578	631	634	634	0
Logging.....	45.5	47.0	46.4	45.5	44.9	45.4	45.7	44.7	-1.0
Mining.....	538.9	590.9	591.0	593.3	533.5	585.8	588.2	588.8	0.6
Oil and gas extraction.....	121.7	135.0	134.9	135.2	121.3	134.5	135.2	135.6	0.4
Mining, except oil and gas.....	177.6	183.5	182.4	183.0	176.0	180.2	180.4	181.1	0.7
Coal mining.....	36.5	37.8	37.9	37.9	36.5	38.0	38.1	37.9	-0.2
Metal ore mining.....	41.8	43.9	43.6	43.6	41.9	43.6	43.8	43.7	-0.1
Nonmetallic mineral mining and quarrying.....	99.3	101.8	100.9	101.5	97.7	98.6	98.5	99.5	1.0
Support activities for mining.....	239.6	272.4	273.7	275.1	236.2	271.1	272.6	272.1	-0.5
Construction.....	7,636	7,911	7,877	7,888	7,455	7,698	7,720	7,721	1
Construction of buildings.....	1,684.0	1,745.4	1,731.3	1,742.1	1,654.0	1,709.7	1,711.3	1,716.9	5.6
Residential building.....	883.1	918.8	907.9	915.3	869.0	900.8	901.3	903.7	2.4
Nonresidential building.....	800.9	826.6	823.4	826.8	785.0	808.9	810.0	813.2	3.2
Heavy and civil engineering construction.....	1,099.9	1,125.0	1,124.9	1,127.1	1,043.5	1,074.7	1,074.3	1,073.9	-0.4
Specialty trade contractors.....	4,852.3	5,040.1	5,020.3	5,019.2	4,757.0	4,914.0	4,934.0	4,930.0	-4.0
Residential specialty trade contractors.....	2,236.6	2,315.7	2,306.3	2,305.1	2,203.1	2,266.2	2,275.2	2,273.7	-1.5
Nonresidential specialty trade contractors.....	2,615.7	2,724.4	2,714.0	2,714.1	2,553.9	2,647.8	2,658.8	2,656.3	-2.5
Manufacturing.....	12,485	12,932	12,895	12,924	12,466	12,867	12,890	12,922	32
Durable goods.....	7,764	8,030	8,008	8,031	7,766	8,003	8,016	8,039	23
Wood products.....	415.8	431.8	429.4	430.0	413.5	430.8	430.8	429.9	-0.9
Nonmetallic mineral products.....	407.1	423.3	420.9	425.0	402.1	416.6	416.4	419.6	3.2
Primary metals.....	352.1	363.5	364.6	364.6	353.6	363.6	366.3	366.1	-0.2
Fabricated metal products.....	1,397.5	1,445.4	1,446.9	1,452.5	1,398.1	1,443.6	1,449.1	1,454.3	5.2
Machinery.....	1,060.9	1,102.1	1,097.2	1,098.8	1,063.6	1,099.3	1,099.6	1,102.6	3.0
Computer and electronic products.....	1,064.4	1,096.5	1,088.9	1,096.3	1,066.0	1,091.7	1,091.2	1,096.6	5.4
Computer and peripheral equipment.....	159.1	164.7	164.5	166.7	159.2	164.0	164.4	166.4	2.0
Communications equipment.....	84.8	84.1	82.4	84.4	85.4	84.2	83.2	84.7	1.5
Semiconductors and electronic components.....	370.1	390.6	387.5	390.3	371.5	388.6	388.6	391.0	2.4
Electronic instruments.....	419.6	424.5	422.4	423.0	419.5	422.9	423.1	422.8	-0.3
Miscellaneous computer and electronic products.....	30.8	32.6	32.1	31.9	30.4	31.9	31.9	31.6	-0.3
Electrical equipment and appliances.....	397.5	411.1	410.9	410.9	398.0	410.8	412.1	412.4	0.3
Transportation equipment ¹	1,672.7	1,729.5	1,730.7	1,730.2	1,676.6	1,723.0	1,727.7	1,732.4	4.7
Motor vehicles and parts ²	992.1	1,022.3	1,024.2	1,018.3	998.4	1,011.1	1,018.5	1,023.3	4.8
Furniture and related products.....	379.6	382.1	379.2	379.7	379.4	381.7	381.4	381.2	-0.2
Miscellaneous durable goods manufacturing.....	616.5	644.6	639.7	642.9	615.3	641.6	641.7	643.5	1.8
Nondurable goods.....	4,721	4,902	4,887	4,893	4,700	4,864	4,874	4,883	9
Food manufacturing.....	1,656.4	1,723.9	1,720.4	1,719.3	1,642.6	1,701.3	1,709.1	1,710.1	1.0
Textile mills.....	99.7	100.1	100.2	99.3	99.4	99.7	100.0	99.3	-0.7
Textile product mills.....	104.6	103.4	102.9	102.5	104.3	104.1	103.4	102.8	-0.6
Apparel.....	92.5	95.1	94.1	94.8	91.5	94.8	94.2	94.6	0.4
Paper and paper products.....	348.0	357.7	358.4	358.8	348.7	358.4	359.6	360.5	0.9
Printing and related support activities.....	372.5	378.3	373.4	376.2	369.9	377.5	373.7	374.7	1.0
Petroleum and coal products.....	107.8	107.9	107.4	107.9	105.6	105.6	105.9	105.8	-0.1
Chemicals.....	871.3	908.4	904.9	906.7	874.1	906.2	908.9	910.5	1.6
Plastics and rubber products.....	726.8	756.7	754.1	757.8	729.2	757.5	758.1	761.1	3.0
Miscellaneous nondurable goods manufacturing.....	341.3	370.3	371.0	369.5	334.7	359.3	361.3	363.4	2.1
Private service-providing.....	106,142	109,699	109,384	110,205	105,412	109,210	109,481	109,681	200
Trade, transportation, and utilities.....	28,100	28,643	28,586	28,845	28,013	28,799	28,792	28,823	31
Wholesale trade.....	5,725.0	5,913.1	5,903.3	5,931.5	5,716.3	5,896.9	5,908.5	5,923.1	14.6
Durable goods.....	3,148.3	3,255.6	3,249.0	3,260.0	3,149.9	3,247.2	3,253.9	3,262.6	8.7
Nondurable goods.....	2,092.7	2,154.1	2,149.0	2,164.2	2,083.4	2,147.1	2,149.4	2,155.4	6.0

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.2022 - Oct.2022 ^P
	Oct. 2021	Aug. 2022	Sept. 2022 ^P	Oct. 2022 ^P	Oct. 2021	Aug. 2022	Sept. 2022 ^P	Oct. 2022 ^P	
Wholesale trade - Continued									
Electronic markets and agents and brokers.....	484.0	503.4	505.3	507.3	483.0	502.6	505.2	505.1	-0.1
Retail trade.....	15,577.9	15,778.2	15,659.5	15,822.3	15,537.0	15,829.5	15,821.9	15,829.1	7.2
Motor vehicle and parts dealers.....	1,951.0	1,988.7	1,980.2	1,980.5	1,946.8	1,974.7	1,975.3	1,977.1	1.8
Automobile dealers.....	1,223.7	1,240.8	1,235.6	1,235.5	1,222.5	1,235.5	1,234.6	1,235.7	1.1
Other motor vehicle dealers.....	172.2	177.5	174.0	174.1	172.3	170.7	172.4	173.3	0.9
Auto parts, accessories, and tire stores...	555.1	570.4	570.6	570.9	552.0	568.5	568.4	568.1	-0.3
Furniture and home furnishings stores.....	445.8	426.2	423.5	429.9	444.8	433.1	431.4	430.2	-1.2
Electronics and appliance stores.....	440.2	423.8	422.2	423.8	423.5	427.9	424.7	419.0	-5.7
Building material and garden supply stores.....	1,364.6	1,405.1	1,378.6	1,373.6	1,379.4	1,397.2	1,393.2	1,394.6	1.4
Food and beverage stores.....	3,118.4	3,209.8	3,181.9	3,195.6	3,118.8	3,200.9	3,201.6	3,198.9	-2.7
Health and personal care stores.....	1,054.7	1,058.7	1,062.7	1,080.0	1,050.9	1,069.1	1,073.4	1,075.6	2.2
Gasoline stations.....	949.5	990.6	981.4	984.4	943.5	974.6	975.4	980.0	4.6
Clothing and clothing accessories stores...	1,064.8	1,087.5	1,071.5	1,085.1	1,072.0	1,085.5	1,086.8	1,091.5	4.7
Sporting goods, hobby, book, and music stores.....	540.8	529.1	520.0	533.1	544.0	533.0	530.4	531.8	1.4
General merchandise stores.....	3,160.8	3,147.5	3,136.2	3,209.6	3,138.2	3,225.4	3,219.0	3,216.8	-2.2
Department stores.....	956.0	939.3	929.8	957.6	950.7	966.7	962.1	956.9	-5.2
General merchandise stores, including warehouse clubs and supercenters.....	2,204.8	2,208.2	2,206.4	2,252.0	2,187.4	2,258.7	2,256.9	2,259.9	3.0
Miscellaneous store retailers.....	825.7	868.3	856.1	867.5	826.1	859.5	862.6	865.8	3.2
Nonstore retailers.....	661.6	642.9	645.2	659.2	649.0	648.6	648.1	647.8	-0.3
Transportation and warehousing.....	6,258.3	6,407.6	6,481.4	6,547.2	6,220.2	6,529.5	6,518.2	6,526.4	8.2
Air transportation.....	505.0	567.9	567.3	571.1	505.5	564.3	567.0	571.2	4.2
Rail transportation.....	145.8	146.8	147.3	147.3	145.7	146.8	147.2	147.1	-0.1
Water transportation.....	55.7	63.3	62.9	61.7	55.0	61.4	61.7	61.8	0.1
Truck transportation.....	1,546.5	1,612.2	1,594.4	1,614.2	1,528.9	1,597.4	1,587.9	1,601.1	13.2
Transit and ground passenger transportation.....	404.7	354.5	423.9	432.1	384.1	414.0	409.1	411.5	2.4
Pipeline transportation.....	50.4	47.8	47.0	47.2	50.3	47.8	47.3	47.2	-0.1
Scenic and sightseeing transportation.....	26.4	35.3	34.1	32.3	26.1	29.1	30.4	31.0	0.6
Support activities for transportation.....	746.1	786.9	790.2	797.2	741.0	785.6	790.6	792.0	1.4
Couriers and messengers.....	1,044.8	1,044.7	1,057.0	1,077.1	1,077.6	1,114.5	1,114.9	1,121.4	6.5
Warehousing and storage.....	1,732.9	1,748.2	1,757.3	1,767.0	1,706.0	1,768.6	1,762.1	1,742.1	-20.0
Utilities.....	538.9	543.9	541.7	544.1	539.5	542.6	543.2	544.3	1.1
Information.....	2,897	3,056	3,042	3,052	2,886	3,032	3,039	3,043	4
Publishing industries, except Internet.....	793.2	844.9	846.0	837.0	793.8	839.8	845.4	840.5	-4.9
Motion picture and sound recording industries.....	423.4	448.9	431.8	446.1	412.0	435.4	432.8	436.5	3.7
Broadcasting, except Internet.....	234.4	234.0	234.6	234.4	232.4	234.8	233.9	232.9	-1.0
Telecommunications.....	660.5	664.2	663.8	661.0	661.8	664.6	662.6	661.3	-1.3
Data processing, hosting and related services.....	402.0	427.6	432.1	434.4	401.4	427.7	431.4	432.4	1.0
Other information services.....	383.1	436.5	433.2	439.4	384.8	429.8	433.0	439.8	6.8
Financial activities.....	8,846	9,022	8,969	8,995	8,817	8,967	8,968	8,971	3
Finance and insurance.....	6,534.9	6,622.3	6,585.8	6,617.9	6,527.9	6,605.3	6,599.6	6,612.0	12.4
Monetary authorities - central bank.....	20.8	21.1	21.0	21.2	20.8	21.0	21.0	21.1	0.1
Credit intermediation and related activities.....	2,703.2	2,708.5	2,691.6	2,692.2	2,705.4	2,700.4	2,699.0	2,696.5	-2.5
Depository credit intermediation ¹	1,727.6	1,748.6	1,740.4	1,742.2	1,733.4	1,741.5	1,745.6	1,747.5	1.9
Commercial banking.....	1,342.0	1,347.5	1,339.0	1,344.4	1,347.9	1,342.5	1,344.7	1,348.1	3.4
Nondepository credit intermediation.....	641.9	627.5	620.5	622.6	639.5	626.9	621.7	621.5	-0.2
Activities related to credit intermediation...	333.7	332.4	330.7	327.4	332.5	331.9	331.7	327.5	-4.2
Securities, commodity contracts, investments, and funds and trusts.....	1,004.8	1,050.3	1,043.6	1,056.0	1,001.6	1,041.1	1,045.6	1,051.0	5.4
Insurance carriers and related activities.....	2,806.1	2,842.4	2,829.6	2,848.5	2,800.1	2,842.8	2,834.0	2,843.4	9.4
Real estate and rental and leasing.....	2,310.9	2,399.3	2,383.6	2,377.5	2,289.2	2,361.9	2,367.9	2,359.2	-8.7
Real estate.....	1,785.8	1,823.8	1,820.8	1,830.1	1,769.6	1,805.1	1,815.4	1,814.5	-0.9

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.2022 - Oct.2022 ^P
	Oct. 2021	Aug. 2022	Sept. 2022 ^P	Oct. 2022 ^P	Oct. 2021	Aug. 2022	Sept. 2022 ^P	Oct. 2022 ^P	
Real estate and rental and leasing - Continued									
Rental and leasing services.....	504.6	554.7	542.2	526.7	499.1	536.3	531.9	524.1	-7.8
Lessors of nonfinancial intangible assets....	20.5	20.8	20.6	20.7	20.5	20.5	20.6	20.6	0.0
Professional and business services.....	21,875	22,474	22,466	22,707	21,619	22,402	22,454	22,493	39
Professional and technical services.....	10,090.9	10,516.5	10,449.6	10,601.3	10,073.2	10,515.3	10,538.6	10,581.3	42.7
Legal services.....	1,173.3	1,179.2	1,170.9	1,186.6	1,168.6	1,180.8	1,178.7	1,182.1	3.4
Accounting and bookkeeping services.....	1,024.6	1,064.3	1,062.8	1,082.2	1,076.3	1,112.7	1,118.6	1,123.5	4.9
Architectural and engineering services.....	1,582.3	1,671.9	1,659.3	1,674.7	1,570.9	1,651.3	1,656.4	1,663.2	6.8
Specialized design services.....	146.5	153.9	153.7	156.4	144.3	153.7	154.4	154.7	0.3
Computer systems design and related services.....	2,355.3	2,446.0	2,423.6	2,456.3	2,339.9	2,434.7	2,438.2	2,447.0	8.8
Management and technical consulting services.....	1,700.8	1,774.4	1,769.7	1,807.9	1,675.5	1,772.5	1,777.5	1,784.9	7.4
Scientific research and development services.....	840.8	896.9	888.2	897.8	842.0	888.4	892.9	898.2	5.3
Advertising and related services.....	455.4	491.6	487.7	493.9	452.0	489.6	489.7	491.8	2.1
Other professional and technical services....	811.9	838.3	833.7	845.5	803.7	831.6	832.2	835.9	3.7
Management of companies and enterprises....	2,342.7	2,400.0	2,389.0	2,395.9	2,342.9	2,390.4	2,392.8	2,397.0	4.2
Administrative and waste services.....	9,441.4	9,557.2	9,627.5	9,709.8	9,202.4	9,496.6	9,523.0	9,514.9	-8.1
Administrative and support services.....	8,972.7	9,073.4	9,144.7	9,223.1	8,738.2	9,017.9	9,043.2	9,034.2	-9.0
Office administrative services.....	561.6	605.8	604.6	608.9	560.2	601.6	604.0	606.8	2.8
Facilities support services.....	157.3	157.1	157.5	158.8	156.3	156.2	157.1	157.1	0.0
Employment services ¹	3,843.8	3,817.6	3,912.9	3,985.9	3,699.7	3,872.2	3,882.9	3,884.4	1.5
Temporary help services.....	3,146.5	3,090.2	3,174.6	3,241.1	3,025.1	3,155.0	3,167.6	3,179.4	11.8
Business support services.....	813.0	766.4	763.0	768.6	801.6	775.7	767.3	761.5	-5.8
Travel arrangement and reservation services.....	145.6	156.7	157.0	157.4	143.7	153.6	155.2	155.7	0.5
Investigation and security services.....	909.3	934.5	941.5	943.7	904.9	932.4	939.4	938.0	-1.4
Services to buildings and dwellings.....	2,229.2	2,306.0	2,279.0	2,270.4	2,164.1	2,201.0	2,213.6	2,207.2	-6.4
Other support services.....	312.9	329.3	329.2	329.4	307.7	325.2	323.7	323.6	-0.1
Waste management and remediation services.....	468.7	483.8	482.8	486.7	464.2	478.7	479.8	480.7	0.9
Education and health services.....	24,048	24,298	24,624	24,954	23,805	24,562	24,653	24,732	79
Educational services.....	3,827.8	3,585.7	3,851.7	4,006.7	3,651.8	3,840.7	3,850.8	3,859.1	8.3
Health care and social assistance.....	20,220.2	20,712.6	20,772.1	20,947.7	20,153.6	20,721.0	20,801.7	20,872.8	71.1
Health care ³	16,096.0	16,468.2	16,522.8	16,629.8	16,056.7	16,460.0	16,524.6	16,577.2	52.6
Ambulatory health care services.....	7,990.9	8,211.2	8,234.5	8,311.2	7,965.3	8,218.1	8,250.2	8,280.9	30.7
Offices of physicians.....	2,775.6	2,838.7	2,850.7	2,877.0	2,766.2	2,843.9	2,855.3	2,864.9	9.6
Offices of dentists.....	1,010.1	1,047.3	1,041.4	1,054.2	1,006.8	1,042.9	1,045.9	1,050.9	5.0
Offices of other health practitioners....	1,040.9	1,095.7	1,096.3	1,109.9	1,036.3	1,094.1	1,100.1	1,106.4	6.3
Outpatient care centers.....	1,004.4	1,030.9	1,031.6	1,033.5	1,005.2	1,031.6	1,032.0	1,033.4	1.4
Medical and diagnostic laboratories....	310.4	313.7	311.8	310.6	309.7	314.9	313.5	310.2	-3.3
Home health care services.....	1,538.2	1,566.7	1,579.8	1,598.3	1,529.2	1,571.1	1,581.0	1,587.1	6.1
Other ambulatory health care services.....	311.3	318.2	322.9	327.7	312.0	319.7	322.4	327.9	5.5
Hospitals.....	5,128.5	5,216.2	5,244.3	5,254.5	5,122.3	5,211.9	5,237.0	5,247.8	10.8
Nursing and residential care facilities....	2,976.6	3,040.8	3,044.0	3,064.1	2,969.1	3,030.0	3,037.4	3,048.5	11.1
Nursing care facilities.....	1,356.3	1,364.4	1,367.4	1,378.8	1,349.2	1,360.6	1,362.9	1,367.0	4.1
Residential mental health facilities....	596.6	614.6	616.1	618.0	597.0	613.0	615.8	617.4	1.6
Community care facilities for the elderly.....	870.3	903.5	903.6	909.1	869.6	899.0	901.4	906.1	4.7
Other residential care facilities.....	153.4	158.3	156.9	158.2	153.3	157.4	157.4	158.0	0.6
Social assistance.....	4,124.2	4,244.4	4,249.3	4,317.9	4,096.9	4,261.0	4,277.1	4,295.6	18.5
Individual and family services.....	2,739.2	2,825.5	2,821.0	2,860.1	2,734.5	2,822.4	2,838.7	2,848.3	9.6
Emergency and other relief services.....	192.9	202.6	200.4	205.9	193.3	204.3	202.6	206.9	4.3
Vocational rehabilitation services.....	276.4	278.2	274.7	276.7	274.4	274.7	275.0	274.5	-0.5
Child day care services.....	915.7	938.1	953.2	975.2	894.6	959.7	960.9	965.8	4.9
Leisure and hospitality.....	14,805	16,441	15,979	15,902	14,728	15,744	15,851	15,886	35
Arts, entertainment, and recreation.....	2,108.8	2,568.5	2,378.7	2,309.3	2,123.5	2,304.2	2,324.2	2,333.8	9.6
Performing arts and spectator sports.....	450.8	511.3	524.7	513.1	430.3	490.8	497.4	498.8	1.4

See footnotes at end of table.

ESTABLISHMENT DATA

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

— Continued

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted				Change from: Sept. 2022 - Oct. 2022 ^p
	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	
Arts, entertainment, and recreation - Continued									
Museums, historical sites, and similar institutions.....	146.4	172.1	163.5	163.1	143.4	161.1	161.5	161.7	0.2
Amusements, gambling, and recreation.....	1,511.6	1,885.1	1,690.5	1,633.1	1,549.8	1,652.3	1,665.3	1,673.3	8.0
Accommodation and food services.....	12,695.7	13,872.8	13,600.3	13,592.4	12,604.1	13,440.1	13,526.7	13,552.6	25.9
Accommodation.....	1,579.6	1,853.6	1,762.8	1,748.2	1,566.3	1,719.1	1,736.7	1,756.6	19.9
Food services and drinking places.....	11,116.1	12,019.2	11,837.5	11,844.2	11,037.8	11,721.0	11,790.0	11,796.0	6.0
Other services.....	5,571	5,765	5,718	5,750	5,544	5,704	5,724	5,733	9
Repair and maintenance.....	1,386.8	1,437.8	1,436.1	1,443.6	1,379.6	1,427.9	1,435.9	1,438.3	2.4
Personal and laundry services.....	1,414.5	1,472.1	1,468.1	1,481.2	1,401.7	1,460.4	1,468.3	1,469.6	1.3
Membership associations and organizations...	2,769.4	2,855.4	2,813.9	2,825.4	2,762.6	2,815.2	2,819.7	2,824.9	5.2
Government.....	22,463	21,494	22,404	22,713	22,094	22,326	22,322	22,350	28
Federal.....	2,882	2,868	2,875	2,879	2,880	2,864	2,867	2,873	6
Federal, except U.S. Postal Service.....	2,283.6	2,274.7	2,280.1	2,280.8	2,279.7	2,263.9	2,268.0	2,272.0	4.0
U.S. Postal Service.....	597.9	592.8	594.8	598.1	600.6	599.9	599.1	601.1	2.0
State government.....	5,388	5,000	5,345	5,419	5,224	5,261	5,261	5,254	-7
State government education.....	2,737.1	2,343.1	2,700.5	2,787.8	2,567.3	2,618.5	2,622.6	2,620.8	-1.8
State government, excluding education.....	2,650.7	2,656.9	2,644.6	2,630.9	2,657.0	2,642.4	2,638.1	2,633.1	-5.0
Local government.....	14,193	13,626	14,184	14,415	13,990	14,201	14,194	14,223	29
Local government education.....	7,876.7	7,024.2	7,751.1	7,991.8	7,633.0	7,776.2	7,755.0	7,768.5	13.5
Local government, excluding education.....	6,316.5	6,601.7	6,432.4	6,423.1	6,357.3	6,424.6	6,439.0	6,454.5	15.5

¹ Includes other industries, not shown separately.

² Includes motor vehicles, motor vehicle bodies and trailers, and motor vehicle parts.

³ Includes ambulatory health care services, hospitals, and nursing and residential care facilities.

p Preliminary

NOTE: Data have been revised to reflect March 2021 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. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p
AVERAGE WEEKLY HOURS				
Total private.....	34.8	34.5	34.5	34.5
Goods-producing.....	39.9	39.9	39.9	40.0
Mining and logging.....	44.8	46.2	46.3	46.2
Construction.....	38.8	38.7	38.7	38.9
Manufacturing.....	40.3	40.3	40.3	40.4
Durable goods.....	40.4	40.7	40.7	40.8
Nondurable goods.....	40.2	39.7	39.7	39.6
Private service-providing.....	33.8	33.4	33.5	33.5
Trade, transportation, and utilities.....	34.5	34.0	34.0	34.0
Wholesale trade.....	39.4	38.9	38.9	38.8
Retail trade.....	30.8	30.1	30.1	30.1
Transportation and warehousing.....	38.7	38.4	38.5	38.6
Utilities.....	42.3	41.6	42.0	42.5
Information.....	36.9	36.6	36.6	36.5
Financial activities.....	37.5	37.4	37.4	37.5
Professional and business services.....	36.7	36.6	36.8	36.7
Education and health services.....	33.4	33.4	33.4	33.3
Leisure and hospitality.....	26.3	25.6	25.7	25.6
Other services.....	32.4	32.2	32.3	32.3
AVERAGE OVERTIME HOURS				
Manufacturing.....	3.2	3.2	3.2	3.1
Durable goods.....	3.0	3.3	3.3	3.2
Nondurable goods.....	3.4	3.1	3.0	2.9

p Preliminary

NOTE: Data have been revised to reflect March 2021 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. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p
Total private.....	\$31.11	\$32.36	\$32.46	\$32.58	\$1,082.63	\$1,116.42	\$1,119.87	\$1,124.01
Goods-producing.....	31.46	32.59	32.71	32.84	1,255.25	1,300.34	1,305.13	1,313.60
Mining and logging.....	35.30	36.55	36.52	36.56	1,581.44	1,688.61	1,690.88	1,689.07
Construction.....	33.41	34.91	35.07	35.27	1,296.31	1,351.02	1,357.21	1,372.00
Manufacturing.....	30.14	31.04	31.14	31.23	1,214.64	1,250.91	1,254.94	1,261.69
Durable goods.....	31.62	32.63	32.74	32.82	1,277.45	1,328.04	1,332.52	1,339.06
Nondurable goods.....	27.70	28.38	28.44	28.54	1,113.54	1,126.69	1,129.07	1,130.18
Private service-providing.....	31.03	32.31	32.40	32.52	1,048.81	1,079.15	1,085.40	1,089.42
Trade, transportation, and utilities.....	26.67	27.77	27.87	28.00	920.12	944.18	947.58	952.00
Wholesale trade.....	34.17	35.21	35.28	35.52	1,346.30	1,369.67	1,372.39	1,378.18
Retail trade.....	22.22	23.04	23.08	23.16	684.38	693.50	694.71	697.12
Transportation and warehousing.....	26.74	28.19	28.36	28.43	1,034.84	1,082.50	1,091.86	1,097.40
Utilities.....	45.28	47.25	47.85	48.12	1,915.34	1,965.60	2,009.70	2,045.10
Information.....	44.60	47.29	47.66	47.45	1,645.74	1,730.81	1,744.36	1,731.93
Financial activities.....	40.55	41.82	42.06	42.11	1,520.63	1,564.07	1,573.04	1,579.13
Professional and business services.....	37.29	38.91	38.98	39.17	1,368.54	1,424.11	1,434.46	1,437.54
Education and health services.....	30.71	31.96	31.98	32.06	1,025.71	1,067.46	1,068.13	1,067.60
Leisure and hospitality.....	19.19	20.27	20.32	20.43	504.70	518.91	522.22	523.01
Other services.....	28.21	28.65	28.85	28.98	914.00	922.53	931.86	936.05

p Preliminary

NOTE: Data have been revised to reflect March 2021 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 ¹					Index of aggregate weekly payrolls ²				
	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Percent change from: Sept. 2022 - Oct. 2022 ^p	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Percent change from: Sept. 2022 - Oct. 2022 ^p
Total private.....	110.0	112.9	113.2	113.4	0.2	163.6	174.7	175.7	176.7	0.6
Goods-producing.....	93.2	96.4	96.6	97.0	0.4	132.5	141.9	142.8	143.9	0.8
Mining and logging.....	81.4	91.6	92.2	92.0	-0.2	115.3	134.4	135.2	135.1	-0.1
Construction.....	99.7	102.7	103.0	103.5	0.5	144.7	155.8	156.9	158.7	1.1
Manufacturing.....	90.4	93.3	93.5	93.9	0.4	126.7	134.7	135.3	136.4	0.8
Durable goods.....	88.3	91.7	91.9	92.3	0.4	124.0	132.9	133.6	134.6	0.7
Nondurable goods.....	94.3	96.4	96.6	96.5	-0.1	132.6	138.8	139.4	139.8	0.3
Private service-providing.....	114.7	117.4	118.1	118.3	0.2	173.0	184.4	186.0	187.0	0.5
Trade, transportation, and utilities.....	105.5	106.8	106.8	106.9	0.1	151.7	160.0	160.5	161.5	0.6
Wholesale trade.....	99.3	101.2	101.4	101.4	0.0	142.0	149.0	149.6	150.6	0.7
Retail trade.....	97.2	96.8	96.7	96.7	0.0	142.7	147.3	147.5	148.1	0.4
Transportation and warehousing.....	138.3	144.1	144.2	144.7	0.3	188.2	206.6	208.0	209.4	0.7
Utilities.....	98.7	97.7	98.7	100.1	1.4	147.7	152.5	156.1	159.1	1.9
Information.....	97.3	101.3	101.6	101.4	-0.2	154.4	170.6	172.4	171.4	-0.6
Financial activities.....	108.3	109.9	109.9	110.2	0.3	171.4	179.2	180.3	181.1	0.4
Professional and business services.....	124.4	128.6	129.6	129.4	-0.2	187.8	202.5	204.5	205.3	0.4
Education and health services.....	129.8	134.0	134.5	134.5	0.0	191.8	206.0	206.9	207.4	0.2
Leisure and hospitality.....	110.5	115.0	116.2	116.0	-0.2	171.1	188.1	190.6	191.3	0.4
Other services.....	103.6	105.9	106.6	106.8	0.2	160.1	166.3	168.6	169.6	0.6

¹ 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.

² 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 2021 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. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p
Total nonfarm.....	73,744	76,156	76,337	76,510	49.8	49.9	49.9	49.9
Total private.....	60,970	63,180	63,356	63,504	48.4	48.4	48.5	48.5
Goods-producing.....	4,684	4,892	4,912	4,926	22.8	23.1	23.1	23.2
Mining and logging.....	72	83	84	84	12.5	13.2	13.2	13.2
Construction.....	1,034	1,080	1,087	1,089	13.9	14.0	14.1	14.1
Manufacturing.....	3,578	3,729	3,741	3,753	28.7	29.0	29.0	29.0
Durable goods.....	1,898	1,990	2,000	2,009	24.4	24.9	25.0	25.0
Nondurable goods.....	1,680	1,739	1,741	1,744	35.7	35.8	35.7	35.7
Private service-providing.....	56,286	58,288	58,444	58,578	53.4	53.4	53.4	53.4
Trade, transportation, and utilities.....	11,083	11,459	11,465	11,468	39.6	39.8	39.8	39.8
Wholesale trade.....	1,719.6	1,800.5	1,803.0	1,806.6	30.1	30.5	30.5	30.5
Retail trade.....	7,590.3	7,746.7	7,752.1	7,749.3	48.9	48.9	49.0	49.0
Transportation and warehousing.....	1,637.9	1,773.2	1,770.7	1,772.8	26.3	27.2	27.2	27.2
Utilities.....	135.6	138.2	138.7	139.2	25.1	25.5	25.5	25.6
Information.....	1,136	1,220	1,232	1,237	39.4	40.2	40.5	40.7
Financial activities.....	4,941	4,998	4,994	5,004	56.0	55.7	55.7	55.8
Professional and business services.....	10,012	10,310	10,320	10,330	46.3	46.0	46.0	45.9
Education and health services.....	18,378	18,930	19,017	19,079	77.2	77.1	77.1	77.1
Leisure and hospitality.....	7,805	8,334	8,376	8,414	53.0	52.9	52.8	53.0
Other services.....	2,931	3,037	3,040	3,046	52.9	53.2	53.1	53.1
Government.....	12,774	12,976	12,981	13,006	57.8	58.1	58.2	58.2

p Preliminary

NOTE: Data have been revised to reflect March 2021 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 adjusted¹

[In thousands]

Industry	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p
Total private.....	102,682	106,280	106,500	106,667
Goods-producing.....	14,626	15,197	15,238	15,267
Mining and logging.....	431	473	472	470
Construction.....	5,502	5,691	5,703	5,713
Manufacturing.....	8,693	9,033	9,063	9,084
Durable goods.....	5,344	5,543	5,562	5,576
Nondurable goods.....	3,349	3,490	3,501	3,508
Private service-providing.....	88,056	91,083	91,262	91,400
Trade, transportation, and utilities.....	23,648	24,304	24,303	24,311
Wholesale trade.....	4,543.8	4,683.1	4,691.0	4,704.8
Retail trade.....	13,263.5	13,496.4	13,487.6	13,478.7
Transportation and warehousing.....	5,411.2	5,690.1	5,690.0	5,692.0
Utilities.....	429.1	434.7	434.5	435.7
Information.....	2,291	2,417	2,422	2,420
Financial activities.....	6,639	6,749	6,755	6,762
Professional and business services.....	17,506	17,899	17,900	17,886
Education and health services.....	20,781	21,354	21,428	21,480
Leisure and hospitality.....	12,669	13,713	13,787	13,870
Other services.....	4,522	4,647	4,667	4,671

¹ 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 2021 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 adjusted¹

Industry	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p
AVERAGE WEEKLY HOURS				
Total private.....	34.2	33.9	34.0	34.0
Goods-producing.....	40.8	40.6	40.7	40.8
Mining and logging.....	46.7	47.3	48.1	48.0
Construction.....	39.5	39.5	39.5	39.7
Manufacturing.....	41.3	41.0	41.1	41.1
Durable goods.....	41.2	41.3	41.5	41.6
Nondurable goods.....	41.4	40.4	40.5	40.4
Private service-providing.....	33.1	32.8	32.9	32.9
Trade, transportation, and utilities.....	34.4	33.9	34.0	33.9
Wholesale trade.....	39.2	39.0	39.0	38.8
Retail trade.....	30.8	30.2	30.3	30.3
Transportation and warehousing.....	38.5	37.9	37.9	37.9
Utilities.....	42.2	42.4	42.0	42.6
Information.....	36.3	36.2	36.1	36.2
Financial activities.....	37.4	37.3	37.2	37.2
Professional and business services.....	36.3	36.3	36.6	36.5
Education and health services.....	32.6	32.6	32.6	32.6
Leisure and hospitality.....	25.0	24.5	24.6	24.5
Other services.....	31.4	31.2	31.2	31.3
AVERAGE OVERTIME HOURS				
Manufacturing.....	4.0	3.9	3.9	3.9
Durable goods.....	4.0	4.1	4.1	4.1
Nondurable goods.....	4.1	3.7	3.7	3.5

¹ 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 2021 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 adjusted¹

Industry	Average hourly earnings				Average weekly earnings			
	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p
Total private.....	\$26.42	\$27.67	\$27.77	\$27.86	\$903.56	\$938.01	\$944.18	\$947.24
Goods-producing.....	26.88	28.15	28.29	28.41	1,096.70	1,142.89	1,151.40	1,159.13
Mining and logging.....	31.30	33.14	33.09	33.15	1,461.71	1,567.52	1,591.63	1,591.20
Construction.....	30.95	32.63	32.83	32.99	1,222.53	1,288.89	1,296.79	1,309.70
Manufacturing.....	24.17	25.12	25.25	25.35	998.22	1,029.92	1,037.78	1,041.89
Durable goods.....	25.19	26.27	26.40	26.52	1,037.83	1,084.95	1,095.60	1,103.23
Nondurable goods.....	22.55	23.26	23.38	23.44	933.57	939.70	946.89	946.98
Private service-providing.....	26.32	27.57	27.66	27.75	871.19	904.30	910.01	912.98
Trade, transportation, and utilities.....	22.85	24.07	24.17	24.26	786.04	815.97	821.78	822.41
Wholesale trade.....	28.20	29.37	29.55	29.71	1,105.44	1,145.43	1,152.45	1,152.75
Retail trade.....	18.92	19.63	19.67	19.76	582.74	592.83	596.00	598.73
Transportation and warehousing.....	24.49	26.42	26.60	26.58	942.87	1,001.32	1,008.14	1,007.38
Utilities.....	40.22	42.20	42.34	42.80	1,697.28	1,789.28	1,778.28	1,823.28
Information.....	36.91	38.36	38.90	38.93	1,339.83	1,388.63	1,404.29	1,409.27
Financial activities.....	30.73	32.44	32.53	32.57	1,149.30	1,210.01	1,210.12	1,211.60
Professional and business services.....	31.29	32.68	32.76	32.90	1,135.83	1,186.28	1,199.02	1,200.85
Education and health services.....	27.79	29.09	29.13	29.23	905.95	948.33	949.64	952.90
Leisure and hospitality.....	16.90	17.93	17.99	18.10	422.50	439.29	442.55	443.45
Other services.....	24.07	24.62	24.77	24.81	755.80	768.14	772.82	776.55

¹ 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 2021 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 adjusted¹

[2002=100]

Industry	Index of aggregate weekly hours ²					Index of aggregate weekly payrolls ³				
	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Percent change from: Sept. 2022 - Oct. 2022 ^p	Oct. 2021	Aug. 2022	Sept. 2022 ^p	Oct. 2022 ^p	Percent change from: Sept. 2022 - Oct. 2022 ^p
Total private.....	117.0	120.1	120.7	120.9	0.2	206.6	222.0	224.0	225.0	0.4
Goods-producing.....	91.2	94.3	94.8	95.2	0.4	150.1	162.5	164.2	165.6	0.9
Mining and logging.....	107.0	118.9	120.6	119.9	-0.6	194.7	229.1	232.2	231.1	-0.5
Construction.....	108.8	112.6	112.8	113.6	0.7	181.9	198.3	200.0	202.3	1.2
Manufacturing.....	82.4	85.0	85.5	85.7	0.2	130.3	139.7	141.2	142.1	0.6
Durable goods.....	82.7	86.0	86.7	87.1	0.5	130.1	141.0	142.9	144.3	1.0
Nondurable goods.....	81.7	83.1	83.5	83.5	0.0	130.2	136.5	138.0	138.3	0.2
Private service-providing.....	124.2	127.3	127.9	128.1	0.2	224.2	240.7	242.7	243.9	0.5
Trade, transportation, and utilities.....	113.8	115.2	115.6	115.3	-0.3	185.8	198.2	199.6	199.8	0.1
Wholesale trade.....	105.7	108.4	108.6	108.3	-0.3	176.0	187.9	189.4	190.0	0.3
Retail trade.....	103.4	103.1	103.4	103.4	0.0	167.6	173.5	174.3	175.0	0.4
Transportation and warehousing.....	157.7	163.2	163.2	163.3	0.1	245.8	274.5	276.3	276.2	0.0
Utilities.....	92.6	94.3	93.3	94.9	1.7	155.5	166.0	164.9	169.6	2.9
Information.....	94.9	99.9	99.8	100.0	0.2	173.4	189.6	192.2	192.7	0.3
Financial activities.....	116.9	118.5	118.3	118.4	0.1	220.9	236.5	236.7	237.2	0.2
Professional and business services.....	142.1	145.3	146.5	146.0	-0.3	264.4	282.3	285.4	285.6	0.1
Education and health services.....	144.4	148.4	148.9	149.3	0.3	264.9	285.0	286.4	288.0	0.6
Leisure and hospitality.....	116.0	123.1	124.2	124.5	0.2	222.7	250.6	253.8	255.9	0.8
Other services.....	99.6	101.7	102.1	102.5	0.4	174.6	182.4	184.3	185.4	0.6

¹ 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.

² 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.

³ 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 2021 benchmark levels and updated seasonal adjustment factors.