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## Union Members — 2017

The **union membership rate**—the percent of wage and salary workers who were members of unions—was unchanged at 10.7 percent in 2017, the U.S. Bureau of Labor Statistics reported today. The number of wage and salary workers belonging to unions, at 14.8 million in 2017, edged up by 262,000 from 2016. In 1983, the first year for which comparable union data are available, the union membership rate was 20.1 percent and there were 17.7 million union workers.

The data on union membership are collected as part of the Current Population Survey (CPS), a monthly sample survey of about 60,000 eligible households that obtains information on employment and unemployment among the nation's civilian noninstitutional population age 16 and over. For more information, see the Technical Note in this news release.

## Highlights from the 2017 data:

- The union membership rate of public-sector workers (34.4 percent) continued to be more than five times higher than that of private-sector workers (6.5 percent). (See table 3.)
- Workers in protective service occupations and in education, training, and library occupations had the highest unionization rates (34.7 percent and 33.5 percent, respectively). (See table 3.)
- Men continued to have a higher union membership rate (11.4 percent) than women (10.0 percent). (See table 1.)
- Black workers remained more likely to be union members than White, Asian, or Hispanic workers. (See table 1.)
- Nonunion workers had median weekly earnings that were 80 percent of earnings for workers who were union members (\$829 versus \$1,041). (The comparisons of earnings in this release are on a broad level and do not control for many factors that can be important in explaining earnings differences.) (See table 2.)
- Among states, New York continued to have the highest union membership rate (23.8 percent), while South Carolina continued to have the lowest (2.6 percent). (See table 5.)

## **Industry and Occupation of Union Members**

In 2017, 7.2 million employees in the **public sector** belonged to a union, compared with 7.6 million workers in the **private sector**. Although the union membership rate for private-sector workers edged up by 0.1 percentage point in 2017, their unionization rate continued to be substantially lower than that for public-sector workers (6.5 percent versus 34.4 percent). Within the public sector, the union membership rate was highest in local government (40.1 percent), which employs many workers in heavily unionized occupations, such as teachers, police officers, and firefighters. Private-sector industries with high unionization rates included utilities (23.0 percent), transportation and warehousing (17.3 percent), telecommunications (16.1 percent), and construction (14.0 percent). Low unionization rates occurred in finance (1.1 percent), food services and drinking places (1.4 percent), and professional and technical services (1.7 percent). (See table 3.)

Among **occupational groups**, the highest unionization rates in 2017 were in protective service occupations (34.7 percent) and in education, training, and library occupations (33.5 percent). The rate for workers in education, training, and library occupations continued to decline in 2017. Unionization rates were lowest in sales and related occupations (3.2 percent); farming, fishing, and forestry occupations (3.4 percent); food preparation and serving related occupations (3.8 percent); and in computer and mathematical occupations (3.9 percent).

#### **Selected Characteristics of Union Members**

In 2017, the union membership rate continued to be higher for **men** (11.4 percent) than for **women** (10.0 percent); over the year, the rate for men edged up, and the rate for women edged down. (See table 1.) However, the gap between their rates has narrowed considerably since 1983 (the earliest year for which comparable data are available), when rates for men and women were 24.7 percent and 14.6 percent, respectively.

Among major **race and ethnicity groups**, Black workers continued to have a higher union membership rate in 2017 (12.6 percent) than workers who were White (10.6 percent), Asian (8.9 percent), or Hispanic (9.3 percent).

By **age**, union membership rates continued to be highest among workers ages 45 to 64. In 2017, 13.2 percent of workers ages 45 to 54 and 13.5 percent of those ages 55 to 64 were union members.

In 2017, the union membership rate for **full-time workers** was about twice the rate for **part-time workers** (11.8 percent versus 5.7 percent).

#### **Union Representation**

In 2017, 16.4 million wage and salary workers were represented by a union. This group includes both union members (14.8 million) and workers who report no union affiliation but whose jobs are covered by a union contract (1.6 million). (See table 1.)

#### **Earnings**

Among full-time wage and salary workers, union members had **median usual weekly earnings** of \$1,041 in 2017, while those who were not union members had median weekly earnings of \$829. In addition to coverage by a collective bargaining agreement, this earnings difference reflects a variety of

influences, including variations in the distributions of union members and nonunion employees by occupation, industry, age, firm size, or geographic region. (See tables 2 and 4.)

## **Union Membership by State**

In 2017, 27 states and the District of Columbia had union membership rates below that of the U.S. average, 10.7 percent, while 22 states had rates above it and 1 state had the same rate. All states in both the East South Central and West South Central divisions had union membership rates below the national average, while all states in the New England, Middle Atlantic, and Pacific divisions had rates above it. Union membership rates increased over the year in 25 states and the District, decreased in 21 states, and were unchanged in 4 states. (See table 5 and the map.)

Nine states had union membership rates below 5.0 percent in 2017, with South Carolina having the lowest rate (2.6 percent). The next lowest rates were in North Carolina (3.4 percent) and Utah (3.9 percent). Two states had union membership rates over 20.0 percent in 2017: New York (23.8 percent) and Hawaii (21.3 percent).

The largest numbers of union members lived in California (2.5 million) and New York (2.0 million). Over half of the 14.8 million union members in the U.S. lived in just seven states (California, 2.5 million; New York, 2.0 million; Illinois, 0.8 million; Michigan and Pennsylvania, 0.7 million each; and New Jersey and Ohio, 0.6 million each), though these states accounted for only about one-third of wage and salary employment nationally.

## **Technical Note**

The estimates in this release are obtained from the Current Population Survey (CPS), which provides basic information on the labor force, employment, and unemployment. The survey is conducted monthly for the Bureau of Labor Statistics by the U.S. Census Bureau from a scientifically selected national sample of about 60,000 eligible households. The union membership and earnings data are tabulated from one-quarter of the CPS monthly sample and are limited to wage and salary workers. All self-employed workers are excluded.

Beginning in January of each year, data reflect revised population controls used in the CPS. Additional information about population controls is available on the BLS website at https://www.bls.gov/cps/documentation.htm#pop.

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

#### Reliability of the estimates

Statistics based on the CPS 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 exact difference, or sampling error, varies depending on the particular sample selected, and this 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. The state section of this release preserves the long-time practice of highlighting the direction of the movements in state union membership rates and levels regardless of their statistical significance.

The CPS data also are affected by nonsampling error. Nonsampling error 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, and errors made in the collection or processing of the data.

Information about the reliability of data from the CPS and guidance on estimating standard errors is available at https://www.bls.gov/cps/documentation.htm#reliability.

#### **Union membership questions**

Employed wage and salary workers are classified as union members if they answer "yes" to the following question: On this job, are you a member of a labor union or of an employee association similar to a union? If the response is "no" to that question, then the interviewer asks a second question: On this job, are you covered by a union or employee association contract? If the response is "yes," then these persons, along with those who responded "yes" to being union members, are classified as represented by a union. If the response is "no" to both the first and second questions, then they are classified as

nonunion.

#### **Definitions**

The principal definitions used in this release are described briefly below.

*Union members*. Data refer to members of a labor union or an employee association similar to a union.

*Union membership rate*. Data refer to the proportion of total wage and salary workers who are union members.

Represented by unions. Data refer to both union members and workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

*Nonunion*. Data refer to workers who are neither members of a union nor represented by a union on their job.

Usual weekly earnings. Data represent earnings before taxes and other deductions and include any overtime pay, commissions, or tips usually received (at the main job in the case of multiple jobholders). Prior to 1994, respondents were asked how much they usually earned per week. Since January 1994, respondents have been asked to identify the easiest way for them to report earnings (hourly, weekly, biweekly, twice monthly, monthly, annually, other) and how much they usually earn in the reported time period. Earnings reported on a basis other than weekly are converted to a weekly equivalent. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half of the weeks worked during the past 4 or 5 months.

Median earnings. The median is the amount which divides a given earnings distribution into two equal groups, one having earnings above the median and the other having earnings below the median. The estimating procedure places each reported or calculated weekly earnings value into \$50-wide intervals which are centered around multiples of \$50. The actual value is estimated through the linear interpolation of the interval in which the median lies.

Wage and salary workers. Workers who receive wages, salaries, commissions, tips, payment in kind, or piece rates. The group includes employees in both the private and public sectors. Union membership and earnings data exclude all self-employed workers, both those with incorporated businesses as well as those with unincorporated businesses.

*Full-time workers*. Workers who usually work 35 hours or more per week at their sole or principal job.

*Part-time workers*. Workers who usually work fewer than 35 hours per week at their sole or principal job.

Hispanic or Latino ethnicity. Refers to persons who identified themselves in the enumeration process as being Spanish, Hispanic, or Latino. Persons whose ethnicity is identified as Hispanic or Latino may be of any race.

Table 1. Union affiliation of employed wage and salary workers by selected characteristics, 2016-17 annual averages

[Numbers in thousands]

			2016		2017					
Characteristic	Members of Total unions <sup>1</sup>		of		sented nions <sup>2</sup>	Total	Members of unions <sup>1</sup>			sented nions <sup>2</sup>
	employed	Total	Percent of employed	Total	Percent of employed	employed	Total	Percent of employed	Total	Percent of employed
AGE AND SEX										
Total, 16 years and over	136,101	14,555	10.7	16,271	12.0	137,890	14,817	10.7	16,444	11.9
16 to 24 years	18,556	816	4.4	988	5.3	18,757	877	4.7	1,014	5.4
25 years and over	117,545	13,739	11.7	15,283	13.0	119,133	13,940	11.7	15,430	13.0
25 to 34 years	31,750	2,924	9.2	3,296	10.4	32,407	3,061	9.4	3,426	10.6
35 to 44 years	28,515	3,423	12.0	3,782	13.3	28,729	3,421	11.9	3,806	13.2
45 to 54 years	28,807	3,846	13.3	4,269	14.8	28,655	3,771	13.2	4,145	14.5
55 to 64 years	21,778	2,903	13.3	3,209	14.7	22,382	3,032	13.5	3,329	14.9
65 years and over	6,696	643	9.6	726	10.8	6,960	655	9.4	723	10.4
Men, 16 years and over	70,589	7,888	11.2	8,704	12.3	71,469	8,166	11.4	8,930	12.5
16 to 24 years	9,412	484	5.1	568	6.0	9,486	529	5.6	609	6.4
25 years and over	61,177	7,404	12.1	8,136	13.3	61,983	7,637	12.3	8,321	13.4
25 to 34 years	16,930	1,640	9.7	1,833	10.8	17,199	1,755	10.2	1,940	11.3
35 to 44 years	15,102	1,881	12.5	2,051	13.6	15,220	1,900	12.5	2,088	13.7
45 to 54 years	14,775	2,048	13.9	2,253	15.3	14,693	2,040	13.9	2,189	14.9
55 to 64 years	10,957	1,511	13.8	1,633	14.9	11,318	1,617	14.3	1,745	15.4
65 years and over	3,412	323	9.5	365	10.7	3,554	324	9.1	359	10.1
Women, 16 years and over	65,512	6,667	10.2	7,567	11.6	66,421	6,651	10.0	7,514	11.3
16 to 24 years	9,143	332	3.6	420	4.6	9,271	348	3.8	405	4.4
25 years and over	56,368	6,335	11.2	7,147	12.7	57,150	6,303	11.0	7,109	12.4
25 to 34 years	14,820	1,284	8.7	1,463	9.9	15,208	1,306	8.6	1,486	9.8
35 to 44 years	13,412	1,542	11.5	1,731	12.9	13,509	1,521	11.3	1,718	12.7
45 to 54 years	14,032	1,797	12.8	2,016	14.4	13,962	1,731	12.4	1,956	14.0
55 to 64 years	10,820	1,392	12.9	1,576	14.6	11,065	1,415	12.8	1,584	14.3
65 years and over	3,283	320	9.8	361	11.0	3,406	330	9.7	364	10.7
RACE, HISPANIC OR LATINO ETHNICITY, AND SEX										
White, 16 years and over	106,160	11,120	10.5	12,436	11.7	107,121	11,358	10.6	12,589	11.8
Men	56,007	6,153	11.0	6,769	12.1	56,545	6,432	11.4	7,025	12.4
Women	50,153	4,967	9.9	5,667	11.3	50,576	4,926	9.7	5,564	11.0
Black or African American, 16 years and over	17,014	2,209	13.0	2,475	14.5	17,498	2,210	12.6	2,459	14.1
Men	7,852	1,104	14.1	1,229	15.7	8,042	1,101	13.7	1,205	15.0
Women	9,163	1,105	12.1	1,245	13.6	9,456	1,109	11.7	1,254	13.3
Asian, 16 years and over	8,340	752	9.0	839	10.1	8,561	763	8.9	843	9.8
Men	4,368	355	8.1	404	9.3	4,457	365	8.2	402	9.0
Women	3,972	397	10.0	435	10.9	4,105	398	9.7	441	10.7
Hispanic or Latino ethnicity, 16 years and over	23,085	2,032	8.8	2,308	10.0	23,656	2,201	9.3	2,476	10.5
Men	13,125	1,209	9.2	1,348	10.3	13,342	1,261	9.5	1,410	10.6
Women	9,960	823	8.3	960	9.6	10,315	940	9.1	1,067	10.3
FULL- OR PART-TIME STATUS <sup>3</sup>										
Full-time workers	111,091	13,119	11.8	14,593	13.1	113,272	13,396	11.8	14,812	13.1
Part-time workers	24,832	1,415	5.7	1,655	6.7	24,433	1,403	5.7	1,611	6.6

 $<sup>^{\</sup>rm 1}$  Data refer to members of a labor union or an employee association similar to a union.

NOTE: Estimates for the above race groups (White, Black or African American, and Asian) do not sum to totals because data are not presented for all races. Persons whose ethnicity is identified as Hispanic or Latino may be of any race. Data refer to the sole or principal job of full- and part-time wage and salary workers. All self-employed workers are excluded, both those with incorporated businesses as well as those with unincorporated businesses. Updated population controls are introduced annually with the release of January data.

<sup>&</sup>lt;sup>2</sup> Data refer to both union members and workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>&</sup>lt;sup>3</sup> The distinction between full- and part-time workers is based on hours usually worked. These data will not sum to totals because full- or part-time status on the principal job is not identifiable for a small number of multiple jobholders.

Table 2. Median weekly earnings of full-time wage and salary workers by union affiliation and selected

characteristics, 2016-17 annual averages

		20	16		2017					
Characteristic	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union <sup>3</sup>	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union <sup>3</sup>		
AGE AND SEX										
Total, 16 years and over	\$832	\$1,004	\$995	\$802	\$860	\$1,041	\$1,028	\$829		
16 to 24 years	501	600	599	497	519	663	652	514		
25 years and over	885	1,022	1,014	858	907	1,065	1,054	883		
25 to 34 years	751	893	890	734	773	921	909	756		
35 to 44 years	934	1,071	1,059	908	964	1,122	1,111	935		
45 to 54 years	955	1,084	1,069	930	977	1,113	1,103	953		
55 to 64 years	952	1,072	1,069	930	974	1,112	1,106	947		
65 years and over	866	984	988	846	909	1,058	1,054	888		
Men, 16 years and over	915	1,050	1,042	890	941	1,102	1,094	914		
16 to 24 years	512	582	581	509	547	701	683	533		
25 years and over	969	1,080	1,074	950	996	1,128	1,124	976		
25 to 34 years	794	915	915	775	821	964	953	803		
35 to 44 years	1,007	1,123	1,120	990	1,062	1,195	1,183	1,038		
45 to 54 years	1,075	1,146	1,140	1,057	1,103	1,184	1,180	1,080		
55 to 64 years	1,102	1,136	1,140	1,090	1,098	1,160	1,166	1,073		
65 years and over	992	1,022	1,029	988	1,016	1,140	1,132	1,004		
Nomen, 16 years and over	749	955	942	723	770	970	954	746		
16 to 24 years	486	628	624	481	499	606	600	496		
25 years and over	784	972	960	757	810	988	974	784		
25 to 34 years	705	865	860	685	724	864	854	705		
35 to 44 years	839	1,015	1,004	804	860	1,037	1,026	831		
45 to 54 years	836	1,006	988	800	855	1,018	1,002	827		
55 to 64 years	812	999	992	778	856	1,025	1,011	83		
65 years and over	749	942	964	723	782	991	986	751		
RACE, HISPANIC OR LATINO ETHNICITY, AND SEX										
White, 16 years and over	862	1,050	1,034	827	890	1,089	1,076	860		
Men	942	1,111	1,099	915	971	1,141	1,135	942		
Women	766	989	975	738	795	1,014	997	766		
Black or African American, 16 years and over	678	808	807	646	682	823	813	659		
Men	718	818	826	690	710	869	856	687		
Women	641	799	790	616	657	784	773	636		
Asian, 16 years and over	1,021	1,020	1,017	1,022	1,043	1,112	1,126	1,034		
Men	1,151	1,020	1,017	1,160	1,207	1,169	1,176	1,212		
Women.	902	985	975	892	903	1,007	1,023	887		
Hispanic or Latino ethnicity, 16 years and over	624	886	876	608	655	897	880	629		
Men	663	908	901	637	690	952	929	669		
Women	586	844	829	565	603	810	801	583		

<sup>&</sup>lt;sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

NOTE: Persons whose ethnicity is identified as Hispanic or Latino may be of any race. Data refer to the sole or principal job of full-time wage and salary workers. All self-employed workers are excluded, both those with incorporated businesses as well as those with unincorporated businesses. Updated population controls are introduced annually with the release of January data.

<sup>&</sup>lt;sup>2</sup> Data refer to both union members and workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>&</sup>lt;sup>3</sup> Data refer to workers who are neither members of a union nor represented by a union on their job.

Table 3. Union affiliation of employed wage and salary workers by occupation and industry, 2016-17 annual averages

[Numbers in thousands]

	<u> </u>		2016				2017			
Occupation and industry	Total		mbers of ions <sup>1</sup>		esented nions <sup>2</sup>	Total	Members of unions <sup>1</sup>			esented nions <sup>2</sup>
	employed	Total	Percent of employed	Total	Percent of employed	employed	Total	Percent of employed	Total	Percent of employed
OCCUPATION										
Management, professional, and related										
occupations	52,108	6,064	11.6	6,916	13.3	53,442	6,155	11.5	6,972	13.0
Management, business, and financial operations	20,289	927	4.6	1,129	5.6	20,617	902	4.4	1,097	5.3
occupations  Management occupations	13,563	605	4.5	736	5.4	13,894	596	4.4	727	5.2
Business and financial operations	10,500	000	1.5	700	0.4	10,004	330	1.0	121	0.2
occupations	6,726	322	4.8	393	5.8	6,723	307	4.6	370	5.5
Professional and related occupations	31,818	5,138	16.1	5,787	18.2	32,824	5,253	16.0	5,876	17.9
Computer and mathematical occupations	4,301	166	3.9	222	5.2	4,544	178	3.9	225	4.9
Architecture and engineering occupations	2,941	187	6.4	219	7.4	3,053	220	7.2	250	8.2
Life, physical, and social science	1.076	110		100	10.0	1 200	100	100	151	11.0
occupations	1,276 2,506	112 372	8.8 14.8	138 408	10.8 16.3	1,360 2,555	138 392	10.2 15.3	154 426	11.3 16.7
Community and social service occupations Legal occupations	1,412	79	5.6	406 95	6.8	1,500	119	7.9	134	8.9
Education, training, and library occupations	8,765	3,031	34.6	3,344	38.2	8,949	2,996	33.5	3,327	37.2
Arts, design, entertainment, sports, and media	0,700	0,00.		0,0	00.2	0,0.0	2,000		0,02.	07.2
occupations	2,158	141	6.5	162	7.5	2,314	157	6.8	173	7.5
Healthcare practitioners and technical										
occupations	8,459	1,051	12.4	1,199	14.2	8,548	1,054	12.3	1,186	13.9
Service occupations	24,271	2,337	9.6	2,596	10.7	24,207	2,392	9.9	2,623	10.8
Healthcare support occupations	3,373	233	6.9	275	8.1	3,412	286	8.4	314	9.2
Protective service occupations	3,093	1,069	34.5	1,133	36.6	3,119	1,082	34.7	1,152	37.0
Food preparation and serving related occupations	8,466	333	3.9	394	4.6	8,220	314	3.8	359	4.4
Building and grounds cleaning and maintenance	,,,,,,				""	,,,				
occupations	4,897	430	8.8	491	10.0	4,864	441	9.1	492	10.1
Personal care and service occupations	4,441	272	6.1	304	6.8	4,592	268	5.8	305	6.6
Sales and office occupations	31,051	2,051	6.6	2,314	7.5	31,018	1,944	6.3	2,207	7.1
Sales and related occupations	13,671	421	3.1	483	3.5	13,682	432	3.2	513	3.7
Office and administrative support occupations	17,380	1,631	9.4	1,831	10.5	17,337	1,511	8.7	1,694	9.8
Natural resources, construction, and maintenance occupations	11,812	1,788	15.1	1,920	16.3	12,238	2,015	16.5	2,129	17.4
Farming, fishing, and forestry occupations	988	22	2.2	31	3.2	1,090	37	3.4	42	3.8
Construction and extraction occupations	6,387	1,177	18.4	1,240	19.4	6,529	1,262	19.3	1,318	20.2
Installation, maintenance, and repair occupations	4,438	589	13.3	649	14.6	4,619	716	15.5	770	16.7
Production, transportation, and material moving	·					·				
occupations	16,859	2,315	13.7	2,524	15.0	16,985	2,311	13.6	2,514	14.8
Production occupations	8,150	959	11.8	1,049	12.9	8,143	1,006	12.4	1,092	13.4
Transportation and material moving occupations	8,708	1,355	15.6	1,475	16.9	8,842	1,304	14.8	1,422	16.1
	0,700	1,000	15.0	1,475	10.3	0,042	1,504	14.0	1,422	10.1
INDUSTRY	445 447	7.405		0.407	7.0	110.005	7.004	0.5	0.404	7.0
Private sector	115,417	7,435	6.4	8,437	7.3	116,935	7,601	6.5	8,494	7.3
Agriculture and related industries  Nonagricultural industries	1,315 114,102	17 7,419	1.3 6.5	28 8,409	2.1 7.4	1,337 115,598	28 7,573	2.1 6.6	30 8,463	2.3 7.3
Mining, quarrying, and oil and gas extraction	765	43	5.6	48	6.3	735	32	4.4	35	4.8
Construction	7,488	1,039	13.9	1,095	14.6	7,844	1,102	14.0	1,156	14.7
Manufacturing	14,783	1,295	8.8	1,422	9.6	14,670	1,328	9.1	1,461	10.0
Durable goods	9,247	827	8.9	906	9.8	9,194	836	9.1	913	9.9
Nondurable goods	5,536	468	8.4	515	9.3	5,477	492	9.0	548	10.0
Wholesale and retail trade	18,515	780	4.2	887	4.8	18,778	839	4.5	940	5.0
Wholesale trade	3,288	120	3.7	137	4.2	3,291	147	4.5	160	4.9
Retail trade	15,227	660	4.3	750	4.9	15,487	692	4.5	780	5.0
Transportation and utilities	6,048	1,145	18.9	1,239	20.5	6,232	1,139	18.3	1,225	19.7
Transportation and warehousing	5,073	935	18.4	1,014	20.0	5,205	903	17.3	978	18.8
Utilities	975	210	21.5	225	23.0	1,028	237	23.0	247	24.1
Information <sup>3</sup>	2,473	222	9.0	250	10.1	2,464	242	9.8	264	10.7
Publishing, except Internet	455	22	4.9	24	5.2	458	17	3.6	19	4.1
industries	349	38	11.0	43	12.3	379	43	11.4	45	11.8

See footnotes at end of table.

Table 3. Union affiliation of employed wage and salary workers by occupation and industry, 2016-17 annual averages — Continued

[Numbers in thousands]

		2016	2017							
Occupation and industry	Total	(	nbers of ons <sup>1</sup>	Represented by unions <sup>2</sup>		Total	Members of unions <sup>1</sup>		Represented by unions <sup>2</sup>	
	employed	Total	Percent of employed	Total	Percent of employed	employed	Total	Percent of employed	Total	Percent of employed
Radio and television broadcasting and										
cable subscription programming	534	32	5.9	43	8.0	544	42	7.8	47	8.7
Telecommunications	821	119	14.6	129	15.8	814	131	16.1	138	17.0
Financial activities	8,963	205	2.3	274	3.1	9,067	217	2.4	278	3.1
Finance and insurance	6,616	91	1.4	138	2.1	6,720	101	1.5	142	2.1
Finance	4,142	49	1.2	81	2.0	4,156	46	1.1	67	1.6
Insurance	2,473	42	1.7	57	2.3	2,563	55	2.1	76	2.9
Real estate and rental and leasing	2,347	114	4.9	136	5.8	2,348	117	5.0	135	5.8
Professional and business services	14,257	346	2.4	464	3.3	14,739	335	2.3	407	2.8
Professional and technical services	8,728	141	1.6	211	2.4	9,328	162	1.7	210	2.2
Management, administrative, and waste										
services	5,529	205	3.7	253	4.6	5,412	173	3.2	198	3.7
Education and health services	22,152	1,808	8.2	2,107	9.5	22,324	1,798	8.1	2,077	9.3
Educational services	4,557	561	12.3	652	14.3	4,600	526	11.4	621	13.5
Health care and social assistance	17,595	1,247	7.1	1,454	8.3	17,724	1,272	7.2	1,456	8.2
Leisure and hospitality	12,687	381	3.0	438	3.5	12,748	374	2.9	428	3.4
Arts, entertainment, and recreation	2,329	126	5.4	139	6.0	2,424	144	5.9	157	6.5
Accommodation and food services	10,358	255	2.5	299	2.9	10,324	230	2.2	271	2.6
Accommodation	1,506	114	7.6	123	8.2	1,454	106	7.3	114	7.8
Food services and drinking places	8,852	141	1.6	176	2.0	8,870	124	1.4	158	1.8
Other services <sup>3</sup>	5,973	155	2.6	186	3.1	5,994	167	2.8	192	3.2
Other services, except private households	5,258	152	2.9	179	3.4	5,390	164	3.0	186	3.5
Public sector	20,684	7,120	34.4	7,834	37.9	20,956	7,216	34.4	7,951	37.9
Federal government	3,674	1,006	27.4	1,144	31.1	3,652	972	26.6	1,131	31.0
State government	6,965	2,064	29.6	2,282	32.8	7,103	2,153	30.3	2,371	33.4
Local government	10,045	4,050	40.3	4,409	43.9	10,201	4,091	40.1	4,449	43.6

<sup>&</sup>lt;sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

NOTE: Data refer to the sole or principal job of full- and part-time wage and salary workers. All self-employed workers are excluded, both those with incorporated businesses as well as those with unincorporated businesses. Updated population controls are introduced annually with the release of January data.

<sup>&</sup>lt;sup>2</sup> Data refer to both union members and workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

 $<sup>^{\</sup>rm 3}$  Includes other industries, not shown separately.

Table 4. Median weekly earnings of full-time wage and salary workers by union affiliation, occupation, and industry, 2016-17 annual averages

-		1	016	2017					
Occupation and industry	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union <sup>3</sup>	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union	
OCCUPATION									
Management, professional, and related occupations	\$1,188	\$1,166	\$1,159	\$1,197	\$1,224	\$1,215	\$1,206	\$1,22	
Management, business, and financial operations	, ,	, , , , ,	, , , , ,	, , -	, ,	',	, , , , ,	,	
occupations	1,284	1,263	1,266	1,285	1,327	1,276	1,276	1,329	
Management occupations	1,370	1,389	1,408	1,368	1,392	1,349	1,361	1,39	
Business and financial operations occupations	1,161	1,146	1,141	1,164	1,174	1,188	1,163	1,174	
Professional and related occupations	1,141	1,156	1,146	1,140	1,160	1,199	1,187	1,15	
Computer and mathematical occupations	1,443	1,372	1,332	1,458	1,465	1,375	1,371	1,47	
Architecture and engineering occupations	1,482	1,424	1,411	1,490	1,478	1,479	1,473	1,47	
Life, physical, and social science occupations	1,209	1,288	1,278	1,195	1,286	1,297	1,338	1,27	
Community and social service occupations	919	1,095	1,076	872	900	1,035	1,035	86	
Legal occupations	1,431	1,615	1,621	1,419	1,443	1,550	1,577	1,42	
Education, training, and library occupations	984	1,130	1,114	887	1,002	1,157	1,144	90	
Arts, design, entertainment, sports, and media occupations	1,040	1,252	1,224	1,028	1,066	1,354	1,334	1,04	
Healthcare practitioners and technical occupations	1,104	1,191	1,175	1,087	1,124	1,244	1,239	1,10	
Service occupations	523	771	753	505	544	792	774	51	
Healthcare support occupations	525	602	602	520	542	577	573	53	
Protective service occupations	809	1,088	1,074	694	852	1,163	1,146	71	
Food preparation and serving related occupations	465	597	581	459	484	594	583	47	
Building and grounds cleaning and maintenance	+05	397	301	403	404	334	303	47	
occupations	510	664	647	498	522	638	629	51	
Personal care and service occupations	505	559	546	503	520	624	609	51	
Sales and office occupations	698	810	804	686	718	829	814	71	
	744	717	724	745	763	1	813	76	
Sales and related occupations.						806			
Office and administrative support occupations	679	826	818	661	701	834	815	68	
Natural resources, construction, and maintenance	786	1 107	1 111	735	801	1 146	1 120	75	
occupations.		1,127	1,111			1,146	1,132		
Farming, fishing, and forestry occupations.	520	4.450		518	539			53	
Construction and extraction occupations	784	1,153	1,142	719	796	1,136	1,124	73	
Installation, maintenance, and repair occupations	861	1,076	1,069	822	878	1,187	1,176	82	
occupations	665	881	876	631	692	922	902	66	
Production occupations.	668	841	837	641	701	895	878	67	
Transportation and material moving occupations	662	913	904	622	681	949	926	64	
INDUSTRY									
Private sector	801	937	932	789	829	984	971	81	
Agriculture and related industries	572	937	932	571	599	304	9/1	59	
-	806	937		793	833	986	974	82	
Nonagricultural industries.		937	933			900	974		
Mining, quarrying, and oil and gas extraction	1,197	- 4 400		1,190	1,257	- 4 400	4 455	1,26	
Construction	822	1,168	1,146	780	840	1,163	1,155	79	
Manufacturing	857	885	884	852	884	943	927	87	
Durable goods	893	907	910	890	910	968	955	90	
Nondurable goods	793	839	827	789	837	892	871	83	
Wholesale and retail trade	676	701	700	675	705	758	753	70	
Wholesale trade	871	921	905	868	903	979	986	89	
Retail trade	623	645	645	622	656	721	714	65	
Transportation and utilities	860	1,033	1,023	808	888	1,147	1,121	82	
Transportation and warehousing	795	972	969	757	815	1,053	1,016	78	
Utilities	1,264	1,408	1,388	1,242	1,325	1,432	1,432	1,25	
Information <sup>4</sup>	1,143	1,238	1,257	1,133	1,154	1,344	1,330	1,14	
Publishing, except Internet	1,094		_	1,102	1,171		_	1,16	
Motion pictures and sound recording industries	1,085	_	-	1,030	1,189	_	-	1,13	
Radio and television broadcasting and cable	4.6			4 000					
subscription programming	1,017	_	_	1,020	973	_	_	95	
Telecommunications	1,182	1,273	1,306	1,153	1,197	1,195	1,201	1,19	
Financial activities	977	896	916	981	1,009	943	945	1,01	
Finance and insurance	1,039	818	853	1,047	1,076	980	964	1,08	
Finance	1,089	_	813	1,101	1,125	_	1,010	1,12	
Insurance	977	_	907	980	1,027	_	931	1,03	
Real estate and rental and leasing	827	977	970	817	839	918	931	83	
Professional and business services	992	887	935	995	1,037	1,005	1,016	1,03	

Table 4. Median weekly earnings of full-time wage and salary workers by union affiliation, occupation, and

industry, 2016-17 annual averages — Continued

		20	16		2017					
Occupation and industry	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union <sup>3</sup>	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union <sup>3</sup>		
Management, administrative, and waste services	\$613	\$687	\$682	\$610	\$629	\$873	\$842	\$622		
Education and health services	817	944	937	799	843	978	964	831		
Educational services	936	967	965	931	957	1,026	1,018	942		
Health care and social assistance	785	929	921	771	810	928	914	800		
Leisure and hospitality	528	670	667	522	547	676	669	538		
Arts, entertainment, and recreation	678	720	720	673	716	750	766	710		
Accommodation and food services	504	642	637	501	513	636	620	510		
Accommodation	582	698	703	564	598	685	678	588		
Food services and drinking places	491	567	575	490	501	586	564	500		
Other services <sup>4</sup>	686	959	869	681	705	913	874	699		
Other services, except private households	708	965	893	703	722	924	890	717		
Public sector	967	1,070	1,055	900	986	1,104	1,096	917		
Federal government	1,149	1,093	1,099	1,188	1,176	1,138	1,146	1,213		
State government	931	1,022	1,011	883	955	1,061	1,050	907		
Local government	940	1,089	1,071	817	949	1,121	1,106	832		

<sup>&</sup>lt;sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

NOTE: Data refer to the sole or principal job of full-time wage and salary workers. All self-employed workers are excluded, both those with incorporated businesses as well as those with unincorporated businesses. Updated population controls are introduced annually with the release of January data.

<sup>&</sup>lt;sup>2</sup> Data refer to both union members and workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>&</sup>lt;sup>3</sup> Data refer to workers who are neither members of a union nor represented by a union on their job.

 $<sup>^{\</sup>rm 4}$  Includes other industries, not shown separately.

<sup>-</sup> Data not shown where base is less than 50,000.

Table 5. Union affiliation of employed wage and salary workers by state, 2016-17 annual averages

[Numbers in thousands]

[Numbers in thousands]			2016		2017					
State	Total	(	nbers of ons <sup>1</sup>		sented nions <sup>2</sup>	Total	Members of unions <sup>1</sup>			esented nions <sup>2</sup>
	employed	Total	Percent of employed	Total	Percent of employed	employed	Total	Percent of employed	Total	Percent of employed
Alabama	1,895	153	8.1	170	9.0	1,869	138	7.4	152	8.1
Alaska	297	55	18.5	59	19.9	304	55	18.1	59	19.4
Arizona	2,727	122	4.5	151	5.5	2,805	111	4.0	145	5.2
Arkansas	1,186	47	3.9	59	5.0	1,209	62	5.1	74	6.1
California	16,001	2,551	15.9	2,796	17.5	16,064	2,491	15.5	2,708	16.9
Colorado	2,438	238	9.8	263	10.8	2,494	238	9.6	273	11.0
Connecticut	1,568	275	17.5	288	18.4	1,645	278	16.9	295	17.9
Delaware	419	48	11.4	56	13.3	425	45	10.7	48	11.2
District of Columbia	343 8,113	32 456	9.5 5.6	37 574	10.7 7.1	347 8,573	34 480	9.8 5.6	40 570	11.5 6.6
Georgia	4,249	165	3.9	210	4.9	4,342	173	4.0	217	5.0
Hawaii	597	119	19.9	125	20.9	605	129	21.3	139	22.9
Idaho	689	42	6.1	47	6.8	723	35	4.8	42	5.8
Illinois.	5,587	812	14.5	856	15.3	5,516	827	15.0	872	15.8
Indiana	2,927	304	10.4	335	11.4	2,987	266	8.9	289	9.7
lowa	1,454 1,274	129 109	8.9 8.6	153 132	10.5	1,475	104	7.0 7.8	127	8.6 10.1
Kansas	1,710	190	11.1	228	10.3 13.4	1,296 1,810	101 174	9.6	131 232	12.8
Kentucky Louisiana	1,710	76	4.2	88	4.9	1,780	78	4.4	96	5.4
Maine	567	65	11.4	77	13.5	576	66	11.4	81	14.0
Maryland	2,815	310	11.0	347	12.3	2,772	299	10.8	326	11.8
Massachusetts	3,158	381	12.1	407	12.9	3,231	401	12.4	431	13.3
Michigan	4,196	606	14.4	651	15.5	4,230	658	15.6	711	16.8
Minnesota	2,563	365	14.2	388	15.2	2,693	411	15.2	428	15.9
Mississippi	1,108	73	6.6	90	8.1	1,106	59	5.3	77	7.0
Missouri	2,711	262	9.7	290	10.7	2,613	226	8.7	265	10.1
Montana	418	50	11.9	58	13.9	419	50	11.9	57	13.6
Nebraska	876	64	7.4	74	8.5	858	70	8.2	78	9.1
New Hampshire	1,211 669	146 63	12.1 9.4	182 74	15.0 11.0	1,290 642	164 72	12.7 11.3	189 83	14.6 13.0
New Jersey	4,007	644	16.1	666	16.6	3,898	630	16.2	665	17.1
New Mexico	784	49	6.3	64	8.2	769	52	6.7	63	8.3
New York	8,227	1,942	23.6	2,075	25.2	8,472	2,017	23.8	2,148	25.3
North Carolina	4,225	129	3.0	174	4.1	4,305	145	3.4	171	4.0
North Dakota	363 4,970	20 617	5.5 12.4	25 702	7.0 14.1	356	18 635	5.1 12.5	24 688	6.8 13.6
Ohio Oklahoma	1,482	80	5.4	97	6.6	5,062 1,536	84	5.5	108	7.1
Oregon.	1,691	228	13.5	267	15.8	1,763	262	14.9	277	15.7
Pennsylvania	5,686	685	12.1	724	12.7	5,543	665	12.0	723	13.0
Rhode Island.	481	74	15.5	81	16.9	486	78	16.1	84	17.2
South Carolina	1,981	32	1.6	52	2.6	1,986	52	2.6	78	3.9
South Dakota	379	20	5.2	26	7.0	380	20	5.4	25	6.7
Tennessee	2,746	158	5.7	174	6.4	2,728	155	5.7	176	6.4
Texas	11,457	462	4.0	606	5.3	11,626	543	4.7	669	5.8
Utah	1,318	62	4.7	79	6.0	1,375	54	3.9	74	5.4
Vermont	290	33	11.5	37	12.9	288	32	11.0	35	12.1
Virginia	3,748	160	4.3	226	6.0	3,801	176	4.6	222	5.8
Washington	3,090	539	17.4	577	18.7	3,112	584	18.8	630	20.2
West Virginia	669 2,696	79 219	11.8 8.1	88 244	13.2 9.0	683 2,778	75 230	11.0 8.3	82 250	11.9 9.0
Wyoming	2,090	16	6.3	18	7.3	2,776	230 15	6.0	16	6.7
	240		0.0	10	'.5	240	10	0.0	10	0.7

<sup>&</sup>lt;sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>&</sup>lt;sup>2</sup> Data refer to both union members and workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

NOTE: Data refer to the sole or principal job of full- and part-time wage and salary workers. All self-employed workers are excluded, both those with incorporated businesses as well as those with unincorporated businesses. Updated population controls are introduced annually with the release of January data.

# Chart 1. Union membership rates by state, 2017 annual averages

(U.S. rate = 10.7 percent)

