

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**51. Certification and licensing status of employed persons 16 years and over by selected characteristics, 2019  
annual averages**

Characteristic	Number of persons (in thousands)					Percent distribution				
	Total employed	With a certification or license <sup>1</sup>			Without a certification or license	Total employed	With a certification or license <sup>1</sup>			Without a certification or license
		Total	With a certification, but no license	With a license <sup>2</sup>			Total	With a certification, but no license	With a license <sup>2</sup>	
<b>Age and sex</b>										
Total, 16 years and over.....	157,538	38,081	3,536	34,546	119,457	100.0	24.2	2.2	21.9	75.8
16 to 24 years.....	19,322	1,915	203	1,713	17,407	100.0	9.9	1.0	8.9	90.1
25 to 54 years.....	100,976	26,300	2,573	23,727	74,676	100.0	26.0	2.5	23.5	74.0
25 to 34 years.....	35,807	8,481	830	7,651	27,326	100.0	23.7	2.3	21.4	76.3
35 to 44 years.....	33,127	9,010	930	8,080	24,118	100.0	27.2	2.8	24.4	72.8
45 to 54 years.....	32,042	8,810	814	7,996	23,232	100.0	27.5	2.5	25.0	72.5
55 years and over.....	37,240	9,866	760	9,106	27,374	100.0	26.5	2.0	24.5	73.5
55 to 64 years.....	26,893	7,067	573	6,493	19,826	100.0	26.3	2.1	24.1	73.7
65 years and over.....	10,347	2,799	187	2,613	7,548	100.0	27.1	1.8	25.3	72.9
Men, 16 years and over.....	83,460	17,808	2,013	15,795	65,652	100.0	21.3	2.4	18.9	78.7
16 to 24 years.....	9,730	771	110	661	8,959	100.0	7.9	1.1	6.8	92.1
25 to 54 years.....	53,845	11,967	1,473	10,494	41,878	100.0	22.2	2.7	19.5	77.8
25 to 34 years.....	19,207	3,735	477	3,257	15,472	100.0	19.4	2.5	17.0	80.6
35 to 44 years.....	17,822	4,090	528	3,562	13,732	100.0	22.9	3.0	20.0	77.1
45 to 54 years.....	16,816	4,143	468	3,675	12,674	100.0	24.6	2.8	21.9	75.4
55 years and over.....	19,885	5,070	429	4,641	14,815	100.0	25.5	2.2	23.3	74.5
55 to 64 years.....	14,187	3,511	321	3,190	10,675	100.0	24.8	2.3	22.5	75.2
65 years and over.....	5,699	1,559	108	1,451	4,140	100.0	27.4	1.9	25.5	72.6
Women, 16 years and over.....	74,078	20,273	1,523	18,750	53,804	100.0	27.4	2.1	25.3	72.6
16 to 24 years.....	9,592	1,145	93	1,052	8,448	100.0	11.9	1.0	11.0	88.1
25 to 54 years.....	47,131	14,333	1,100	13,233	32,798	100.0	30.4	2.3	28.1	69.6
25 to 34 years.....	16,600	4,746	353	4,393	11,854	100.0	28.6	2.1	26.5	71.4
35 to 44 years.....	15,306	4,920	401	4,519	10,386	100.0	32.1	2.6	29.5	67.9
45 to 54 years.....	15,225	4,667	346	4,321	10,558	100.0	30.7	2.3	28.4	69.3
55 years and over.....	17,354	4,796	330	4,465	12,559	100.0	27.6	1.9	25.7	72.4
55 to 64 years.....	12,706	3,555	252	3,303	9,151	100.0	28.0	2.0	26.0	72.0
65 years and over.....	4,648	1,240	78	1,162	3,408	100.0	26.7	1.7	25.0	73.3
<b>Race and Hispanic or Latino ethnicity</b>										
White, 16 years and over.....	122,441	30,590	2,734	27,856	91,851	100.0	25.0	2.2	22.8	75.0
Men.....	66,100	14,627	1,586	13,041	51,474	100.0	22.1	2.4	19.7	77.9
Women.....	56,341	15,963	1,148	14,815	40,377	100.0	28.3	2.0	26.3	71.7
Black or African American, 16 years and over.....	19,381	4,216	430	3,786	15,165	100.0	21.8	2.2	19.5	78.2
Men.....	9,145	1,676	214	1,462	7,469	100.0	18.3	2.3	16.0	81.7
Women.....	10,236	2,539	215	2,324	7,696	100.0	24.8	2.1	22.7	75.2
Asian, 16 years and over.....	10,179	2,111	248	1,862	8,069	100.0	20.7	2.4	18.3	79.3
Men.....	5,353	942	150	792	4,411	100.0	17.6	2.8	14.8	82.4
Women.....	4,826	1,168	98	1,070	3,657	100.0	24.2	2.0	22.2	75.8
Hispanic or Latino ethnicity, 16 years and over.....	27,805	4,239	410	3,829	23,566	100.0	15.2	1.5	13.8	84.8
Men.....	15,782	2,070	233	1,837	13,711	100.0	13.1	1.5	11.6	86.9
Women.....	12,023	2,169	177	1,992	9,855	100.0	18.0	1.5	16.6	82.0
<b>Educational attainment</b>										
Total, 25 years and over.....	138,216	36,166	3,333	32,833	102,050	100.0	26.2	2.4	23.8	73.8
Less than a high school diploma.....	9,441	783	88	695	8,658	100.0	8.3	0.9	7.4	91.7
High school graduates, no college <sup>3</sup> .....	34,837	5,107	497	4,609	29,731	100.0	14.7	1.4	13.2	85.3
Some college or associate degree.....	36,282	9,593	935	8,658	26,689	100.0	26.4	2.6	23.9	73.6
Some college, no degree.....	20,882	4,512	488	4,024	16,370	100.0	21.6	2.3	19.3	78.4

See footnotes at end of table.

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Associate degree.....	15,400	5,081	447	4,634	10,320	100.0	33.0	2.9	30.1	67.0
Bachelor's degree and higher.....	57,655	20,683	1,813	18,871	36,972	100.0	35.9	3.1	32.7	64.1
Bachelor's degree only.....	35,850	10,076	1,080	8,995	25,774	100.0	28.1	3.0	25.1	71.9
Advanced degree <sup>4</sup> .....	21,805	10,607	732	9,875	11,198	100.0	48.6	3.4	45.3	51.4
Men, 25 years and over.....	73,731	17,038	1,903	15,135	56,693	100.0	23.1	2.6	20.5	76.9
Less than a high school diploma.....	6,047	517	64	452	5,531	100.0	8.5	1.1	7.5	91.5
High school graduates, no college <sup>3</sup> .....	20,512	3,107	332	2,775	17,405	100.0	15.1	1.6	13.5	84.9
Some college or associate degree.....	18,566	4,653	545	4,108	13,914	100.0	25.1	2.9	22.1	74.9
Some college, no degree.....	11,161	2,474	308	2,166	8,687	100.0	22.2	2.8	19.4	77.8
Associate degree.....	7,406	2,179	237	1,942	5,227	100.0	29.4	3.2	26.2	70.6
Bachelor's degree and higher.....	28,605	8,761	961	7,800	19,844	100.0	30.6	3.4	27.3	69.4
Bachelor's degree only.....	18,151	4,325	571	3,754	13,826	100.0	23.8	3.1	20.7	76.2
Advanced degree <sup>4</sup> .....	10,454	4,436	391	4,045	6,018	100.0	42.4	3.7	38.7	57.6
Women, 25 years and over.....	64,485	19,128	1,430	17,698	45,357	100.0	29.7	2.2	27.4	70.3
Less than a high school diploma.....	3,394	266	24	243	3,127	100.0	7.9	0.7	7.2	92.1
High school graduates, no college <sup>3</sup> .....	14,325	1,999	166	1,834	12,326	100.0	14.0	1.2	12.8	86.0
Some college or associate degree.....	17,716	4,940	390	4,550	12,776	100.0	27.9	2.2	25.7	72.1
Some college, no degree.....	9,722	2,038	180	1,859	7,683	100.0	21.0	1.8	19.1	79.0
Associate degree.....	7,994	2,902	210	2,692	5,092	100.0	36.3	2.6	33.7	63.7
Bachelor's degree and higher.....	29,051	11,922	851	11,071	17,128	100.0	41.0	2.9	38.1	59.0
Bachelor's degree only.....	17,699	5,751	510	5,241	11,948	100.0	32.5	2.9	29.6	67.5
Advanced degree <sup>4</sup> .....	11,352	6,172	342	5,830	5,180	100.0	54.4	3.0	51.4	45.6

<sup>1</sup> A person may have more than one certification or license.

<sup>2</sup> Persons with a license may also have a certification.

<sup>3</sup> Includes persons with a high school diploma or equivalent.

<sup>4</sup> Includes persons with master's, professional, and doctoral degrees.

NOTE: Certifications are issued by a non-governmental certification body and convey that an individual has the knowledge or skill to perform a specific job. A license is awarded by a government agency and conveys a legal authority to work in an occupation. 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. Updated population controls are introduced annually with the release of January data.