

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**53. Certification and licensing status of the employed by occupation, 2019 annual averages**

[Numbers in thousands]

Occupation	Total employed	Percent distribution				
		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, 16 years and over.....	157,538	100.0	24.2	2.2	21.9	75.8
Management, professional, and related occupations.....	64,218	100.0	35.5	3.1	32.4	64.5
Management, business, and financial operations occupations.....	26,981	100.0	22.1	3.2	18.9	77.9
Management occupations.....	18,985	100.0	21.6	3.0	18.6	78.4
Business and financial operations occupations.....	7,996	100.0	23.3	3.8	19.5	76.7
Professional and related occupations.....	37,237	100.0	45.3	3.1	42.2	54.7
Computer and mathematical occupations.....	5,352	100.0	12.5	5.6	6.9	87.5
Architecture and engineering occupations.....	3,305	100.0	23.1	2.9	20.2	76.9
Life, physical, and social science occupations.....	1,485	100.0	26.8	3.0	23.8	73.2
Community and social services occupations.....	2,717	100.0	37.9	3.2	34.7	62.1
Legal occupations.....	1,955	100.0	65.8	3.1	62.7	34.2
Education, training, and library occupations.....	9,455	100.0	52.7	1.7	51.0	47.3
Arts, design, entertainment, sports, and media occupations.....	3,285	100.0	10.7	2.3	8.4	89.3
Healthcare practitioners and technical occupations.....	9,684	100.0	76.3	3.4	72.9	23.7
Service occupations.....	26,978	100.0	21.2	1.7	19.5	78.8
Healthcare support occupations.....	3,758	100.0	47.9	3.1	44.8	52.1
Protective service occupations.....	3,128	100.0	36.0	1.6	34.4	64.0
Food preparation and serving related occupations.....	8,378	100.0	7.5	0.8	6.8	92.5
Building and grounds cleaning and maintenance occupations.....	5,746	100.0	7.5	0.9	6.6	92.5
Personal care and service occupations.....	5,968	100.0	29.0	2.9	26.1	71.0
Sales and office occupations.....	33,370	100.0	12.2	1.2	10.9	87.8
Sales and related occupations.....	15,582	100.0	15.3	1.4	13.9	84.7
Office and administrative support occupations.....	17,789	100.0	9.4	1.1	8.3	90.6
Natural resources, construction, and maintenance occupations.....	14,343	100.0	18.7	2.6	16.0	81.3
Farming, fishing, and forestry occupations.....	1,156	100.0	8.8	0.6	8.2	91.2
Construction and extraction occupations.....	8,325	100.0	17.9	1.8	16.1	82.1
Installation, maintenance, and repair occupations.....	4,862	100.0	22.4	4.5	17.9	77.6
Production, transportation, and material moving occupations.....	18,628	100.0	15.0	1.5	13.6	85.0
Production occupations.....	8,565	100.0	9.7	1.9	7.8	90.3
Transportation and material moving occupations.....	10,063	100.0	19.6	1.1	18.4	80.4

<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.

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