

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**53. Certification and licensing status of the employed by occupation, 2017 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.....	153,337	100.0	24.3	2.3	22.0	75.7
Management, professional, and related occupations.....	60,901	100.0	36.0	3.4	32.6	64.0
Management, business, and financial operations occupations.....	25,379	100.0	22.2	3.2	19.0	77.8
Management occupations.....	17,804	100.0	21.9	3.2	18.8	78.1
Business and financial operations occupations.....	7,574	100.0	22.9	3.3	19.7	77.1
Professional and related occupations.....	35,522	100.0	45.9	3.5	42.4	54.1
Computer and mathematical occupations.....	4,804	100.0	14.4	6.8	7.6	85.6
Architecture and engineering occupations.....	3,224	100.0	25.5	3.2	22.3	74.5
Life, physical, and social science occupations.....	1,431	100.0	26.2	2.6	23.6	73.8
Community and social services occupations.....	2,635	100.0	37.0	4.8	32.2	63.0
Legal occupations.....	1,827	100.0	65.5	3.1	62.4	34.5
Education, training, and library occupations.....	9,215	100.0	52.7	1.7	50.9	47.3
Arts, design, entertainment, sports, and media occupations.....	3,246	100.0	10.6	2.5	8.1	89.4
Healthcare practitioners and technical occupations.....	9,141	100.0	77.0	3.8	73.2	23.0
Service occupations.....	26,751	100.0	21.7	1.6	20.1	78.3
Healthcare support occupations.....	3,506	100.0	48.9	2.7	46.2	51.1
Protective service occupations.....	3,113	100.0	37.5	1.9	35.6	62.5
Food preparation and serving related occupations.....	8,305	100.0	7.6	0.7	6.9	92.4
Building and grounds cleaning and maintenance occupations.....	5,888	100.0	7.8	1.0	6.8	92.2
Personal care and service occupations.....	5,939	100.0	30.7	2.5	28.2	69.3
Sales and office occupations.....	33,566	100.0	12.0	1.3	10.8	88.0
Sales and related occupations.....	15,815	100.0	15.0	1.4	13.6	85.0
Office and administrative support occupations.....	17,751	100.0	9.4	1.1	8.3	90.6
Natural resources, construction, and maintenance occupations.....	14,193	100.0	19.3	2.8	16.5	80.7
Farming, fishing, and forestry occupations.....	1,184	100.0	8.4	0.6	7.8	91.6
Construction and extraction occupations.....	8,031	100.0	18.7	2.0	16.6	81.3
Installation, maintenance, and repair occupations.....	4,977	100.0	22.9	4.5	18.3	77.1
Production, transportation, and material moving occupations.....	17,927	100.0	15.3	1.7	13.7	84.7
Production occupations.....	8,482	100.0	10.2	2.0	8.2	89.8
Transportation and material moving occupations.....	9,445	100.0	19.9	1.4	18.6	80.1

<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.