

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**53. Certification and licensing status of the employed by occupation, 2018 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.....                                     | 155,761        | 100.0                | 24.1   | 2.3                                  | 21.8                        | 75.9                               |
| Management, professional, and related occupations.....            | 62,436         | 100.0                | 35.7   | 3.2                                  | 32.5                        | 64.3                               |
| Management, business, and financial operations occupations.....   | 25,850         | 100.0                | 22.3   | 3.2                                  | 19.1                        | 77.7                               |
| Management occupations.....                                       | 18,263         | 100.0                | 21.9   | 3.2                                  | 18.7                        | 78.1                               |
| Business and financial operations occupations.....                | 7,587          | 100.0                | 23.4   | 3.3                                  | 20.1                        | 76.6                               |
| Professional and related occupations.....                         | 36,586         | 100.0                | 45.2   | 3.2                                  | 41.9                        | 54.8                               |
| Computer and mathematical occupations.....                        | 5,126          | 100.0                | 13.5   | 6.6                                  | 6.9                         | 86.5                               |
| Architecture and engineering occupations.....                     | 3,263          | 100.0                | 23.9   | 3.0                                  | 20.9                        | 76.1                               |
| Life, physical, and social science occupations.....               | 1,529          | 100.0                | 27.1   | 3.0                                  | 24.1                        | 72.9                               |
| Community and social services occupations.....                    | 2,680          | 100.0                | 37.1   | 4.6                                  | 32.5                        | 62.9                               |
| Legal occupations.....  | 1,891          | 100.0                | 65.9   | 3.3                                  | 62.6                        | 34.1                               |
| Education, training, and library occupations.....                 | 9,313          | 100.0                | 52.7   | 1.7                                  | 51.1                        | 47.3                               |
| Arts, design, entertainment, sports, and media occupations.....   | 3,362          | 100.0                | 10.4   | 2.2                                  | 8.3                         | 89.6                               |
| Healthcare practitioners and technical occupations.....           | 9,420          | 100.0                | 75.7   | 3.1                                  | 72.6                        | 24.3                               |
| Service occupations.....  | 26,854         | 100.0                | 21.6   | 1.5                                  | 20.1                        | 78.4                               |
| Healthcare support occupations.....                               | 3,629          | 100.0                | 49.0   | 2.5                                  | 46.5                        | 51.0                               |
| Protective service occupations.....                               | 3,203          | 100.0                | 36.5   | 1.4                                  | 35.1                        | 63.5                               |
| Food preparation and serving related occupations.....             | 8,220          | 100.0                | 7.4  | 0.9                                  | 6.5                         | 92.6                               |
| Building and grounds cleaning and maintenance occupations.....    | 5,854          | 100.0                | 7.9  | 1.0                                  | 6.9                         | 92.1                               |
| Personal care and service occupations.....                        | 5,947          | 100.0                | 29.8   | 2.2                                  | 27.6                        | 70.2                               |
| Sales and office occupations.....                                 | 33,461         | 100.0                | 12.1   | 1.4                                  | 10.7                        | 87.9                               |
| Sales and related occupations.....                                | 15,806         | 100.0                | 15.4   | 1.6                                  | 13.8                        | 84.6                               |
| Office and administrative support occupations.....                | 17,655         | 100.0                | 9.1  | 1.3                                  | 7.8                         | 90.9                               |
| Natural resources, construction, and maintenance occupations..... | 14,471         | 100.0                | 18.8   | 2.5                                  | 16.3                        | 81.2                               |
| Farming, fishing, and forestry occupations.....                   | 1,121          | 100.0                | 8.6  | 0.8                                  | 7.8                         | 91.4                               |
| Construction and extraction occupations.....                      | 8,338          | 100.0                | 18.1   | 1.9                                  | 16.3                        | 81.9                               |
| Installation, maintenance, and repair occupations.....            | 5,012          | 100.0                | 22.3   | 4.1                                  | 18.2                        | 77.7                               |
| Production, transportation, and material moving occupations.....  | 18,539         | 100.0                | 14.7   | 1.6                                  | 13.1                        | 85.3                               |
| Production occupations.....                                       | 8,621          | 100.0                | 10.0   | 1.8                                  | 8.1                         | 90.0                               |
| Transportation and material moving occupations.....               | 9,918          | 100.0                | 18.7   | 1.4                                  | 17.3                        | 81.3                               |

<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.