

**HOUSEHOLD DATA
ANNUAL AVERAGES**

**51. Certification and licensing status of employed persons 16 years and over by selected characteristics, 2022
annual averages**

| Characteristic | Number of persons (in thousands) | | | | | Percent distribution | | | | |
|--|----------------------------------|--|--------------------------------------|-----------------------------|------------------------------------|----------------------|--|--------------------------------------|-----------------------------|------------------------------------|
| | Total employed | With a certification or license ¹ | | | Without a certification or license | Total employed | With a certification or license ¹ | | | Without a certification or license |
| | | Total | With a certification, but no license | With a license ² | | | Total | With a certification, but no license | With a license ² | |
| Age and sex | | | | | | | | | | |
| Total, 16 years and over..... | 158,291 | 38,061 | 3,698 | 34,363 | 120,230 | 100.0 | 24.0 | 2.3 | 21.7 | 76.0 |
| 16 to 24 years..... | 19,378 | 1,857 | 206 | 1,651 | 17,521 | 100.0 | 9.6 | 1.1 | 8.5 | 90.4 |
| 25 to 54 years..... | 101,578 | 26,386 | 2,611 | 23,776 | 75,191 | 100.0 | 26.0 | 2.6 | 23.4 | 74.0 |
| 25 to 34 years..... | 35,300 | 8,069 | 782 | 7,287 | 27,231 | 100.0 | 22.9 | 2.2 | 20.6 | 77.1 |
| 35 to 44 years..... | 34,624 | 9,519 | 958 | 8,561 | 25,105 | 100.0 | 27.5 | 2.8 | 24.7 | 72.5 |
| 45 to 54 years..... | 31,654 | 8,798 | 870 | 7,928 | 22,855 | 100.0 | 27.8 | 2.7 | 25.0 | 72.2 |
| 55 years and over..... | 37,335 | 9,818 | 881 | 8,937 | 27,517 | 100.0 | 26.3 | 2.4 | 23.9 | 73.7 |
| 55 to 64 years..... | 26,761 | 6,962 | 652 | 6,310 | 19,800 | 100.0 | 26.0 | 2.4 | 23.6 | 74.0 |
| 65 years and over..... | 10,574 | 2,856 | 230 | 2,627 | 7,718 | 100.0 | 27.0 | 2.2 | 24.8 | 73.0 |
| Men, 16 years and over..... | 84,203 | 17,729 | 2,126 | 15,602 | 66,474 | 100.0 | 21.1 | 2.5 | 18.5 | 78.9 |
| 16 to 24 years..... | 9,826 | 779 | 114 | 665 | 9,047 | 100.0 | 7.9 | 1.2 | 6.8 | 92.1 |
| 25 to 54 years..... | 54,191 | 11,893 | 1,510 | 10,383 | 42,297 | 100.0 | 21.9 | 2.8 | 19.2 | 78.1 |
| 25 to 34 years..... | 18,728 | 3,431 | 432 | 3,000 | 15,297 | 100.0 | 18.3 | 2.3 | 16.0 | 81.7 |
| 35 to 44 years..... | 18,636 | 4,372 | 550 | 3,822 | 14,264 | 100.0 | 23.5 | 3.0 | 20.5 | 76.5 |
| 45 to 54 years..... | 16,827 | 4,090 | 528 | 3,562 | 12,737 | 100.0 | 24.3 | 3.1 | 21.2 | 75.7 |
| 55 years and over..... | 20,186 | 5,056 | 502 | 4,554 | 15,130 | 100.0 | 25.0 | 2.5 | 22.6 | 75.0 |
| 55 to 64 years..... | 14,248 | 3,463 | 373 | 3,090 | 10,785 | 100.0 | 24.3 | 2.6 | 21.7 | 75.7 |
| 65 years and over..... | 5,938 | 1,593 | 129 | 1,464 | 4,345 | 100.0 | 26.8 | 2.2 | 24.7 | 73.2 |
| Women, 16 years and over..... | 74,089 | 20,332 | 1,572 | 18,761 | 53,756 | 100.0 | 27.4 | 2.1 | 25.3 | 72.6 |
| 16 to 24 years..... | 9,552 | 1,078 | 92 | 986 | 8,474 | 100.0 | 11.3 | 1.0 | 10.3 | 88.7 |
| 25 to 54 years..... | 47,387 | 14,493 | 1,101 | 13,392 | 32,894 | 100.0 | 30.6 | 2.3 | 28.3 | 69.4 |
| 25 to 34 years..... | 16,572 | 4,638 | 351 | 4,287 | 11,934 | 100.0 | 28.0 | 2.1 | 25.9 | 72.0 |
| 35 to 44 years..... | 15,988 | 5,147 | 408 | 4,739 | 10,841 | 100.0 | 32.2 | 2.6 | 29.6 | 67.8 |
| 45 to 54 years..... | 14,827 | 4,708 | 342 | 4,366 | 10,119 | 100.0 | 31.8 | 2.3 | 29.4 | 68.2 |
| 55 years and over..... | 17,150 | 4,762 | 379 | 4,383 | 12,388 | 100.0 | 27.8 | 2.2 | 25.6 | 72.2 |
| 55 to 64 years..... | 12,514 | 3,499 | 279 | 3,220 | 9,015 | 100.0 | 28.0 | 2.2 | 25.7 | 72.0 |
| 65 years and over..... | 4,636 | 1,263 | 100 | 1,163 | 3,373 | 100.0 | 27.2 | 2.2 | 25.1 | 72.8 |
| Race and Hispanic or Latino ethnicity | | | | | | | | | | |
| White, 16 years and over..... | 121,908 | 30,231 | 2,858 | 27,373 | 91,677 | 100.0 | 24.8 | 2.3 | 22.5 | 75.2 |
| Men..... | 65,924 | 14,444 | 1,659 | 12,785 | 51,480 | 100.0 | 21.9 | 2.5 | 19.4 | 78.1 |
| Women..... | 55,984 | 15,787 | 1,199 | 14,588 | 40,196 | 100.0 | 28.2 | 2.1 | 26.1 | 71.8 |
| Black or African American, 16 years and over..... | 19,937 | 4,429 | 435 | 3,993 | 15,508 | 100.0 | 22.2 | 2.2 | 20.0 | 77.8 |
| Men..... | 9,617 | 1,777 | 238 | 1,539 | 7,840 | 100.0 | 18.5 | 2.5 | 16.0 | 81.5 |
| Women..... | 10,319 | 2,652 | 197 | 2,454 | 7,668 | 100.0 | 25.7 | 1.9 | 23.8 | 74.3 |
| Asian, 16 years and over..... | 10,615 | 2,210 | 281 | 1,929 | 8,405 | 100.0 | 20.8 | 2.6 | 18.2 | 79.2 |
| Men..... | 5,610 | 950 | 158 | 793 | 4,660 | 100.0 | 16.9 | 2.8 | 14.1 | 83.1 |
| Women..... | 5,006 | 1,260 | 123 | 1,137 | 3,746 | 100.0 | 25.2 | 2.5 | 22.7 | 74.8 |
| Hispanic or Latino ethnicity, 16 years and over..... | 29,299 | 4,398 | 441 | 3,956 | 24,902 | 100.0 | 15.0 | 1.5 | 13.5 | 85.0 |
| Men..... | 16,654 | 2,114 | 274 | 1,840 | 14,539 | 100.0 | 12.7 | 1.6 | 11.0 | 87.3 |
| Women..... | 12,646 | 2,284 | 167 | 2,117 | 10,362 | 100.0 | 18.1 | 1.3 | 16.7 | 81.9 |
| Educational attainment | | | | | | | | | | |
| Total, 25 years and over..... | 138,913 | 36,204 | 3,492 | 32,712 | 102,709 | 100.0 | 26.1 | 2.5 | 23.5 | 73.9 |
| Less than a high school diploma..... | 8,498 | 630 | 69 | 561 | 7,868 | 100.0 | 7.4 | 0.8 | 6.6 | 92.6 |
| High school graduates, no college ³ | 34,497 | 4,832 | 487 | 4,345 | 29,665 | 100.0 | 14.0 | 1.4 | 12.6 | 86.0 |
| Some college or associate degree..... | 34,523 | 9,269 | 1,025 | 8,245 | 25,254 | 100.0 | 26.8 | 3.0 | 23.9 | 73.2 |
| Some college, no degree..... | 19,348 | 4,156 | 498 | 3,658 | 15,192 | 100.0 | 21.5 | 2.6 | 18.9 | 78.5 |

See footnotes at end of table.

**HOUSEHOLD DATA
ANNUAL AVERAGES**

**51. Certification and licensing status of employed persons 16 years and over by selected characteristics, 2022
annual averages — Continued**

| Characteristic | Number of persons (in thousands) | | | | | Percent distribution | | | | |
|--|----------------------------------|--|--------------------------------------|-----------------------------|------------------------------------|----------------------|--|--------------------------------------|-----------------------------|------------------------------------|
| | Total employed | With a certification or license ¹ | | | Without a certification or license | Total employed | With a certification or license ¹ | | | Without a certification or license |
| | | Total | With a certification, but no license | With a license ² | | | Total | With a certification, but no license | With a license ² | |
| Associate degree..... | 15,175 | 5,113 | 527 | 4,586 | 10,062 | 100.0 | 33.7 | 3.5 | 30.2 | 66.3 |
| Bachelor's degree and higher..... | 61,394 | 21,473 | 1,910 | 19,562 | 39,921 | 100.0 | 35.0 | 3.1 | 31.9 | 65.0 |
| Bachelor's degree only..... | 37,685 | 10,251 | 1,116 | 9,134 | 27,434 | 100.0 | 27.2 | 3.0 | 24.2 | 72.8 |
| Advanced degree ⁴ | 23,709 | 11,222 | 794 | 10,428 | 12,487 | 100.0 | 47.3 | 3.3 | 44.0 | 52.7 |
| Men, 25 years and over..... | 74,376 | 16,949 | 2,012 | 14,937 | 57,427 | 100.0 | 22.8 | 2.7 | 20.1 | 77.2 |
| Less than a high school diploma..... | 5,565 | 414 | 48 | 366 | 5,151 | 100.0 | 7.4 | 0.9 | 6.6 | 92.6 |
| High school graduates, no college ³ | 20,655 | 2,985 | 345 | 2,640 | 17,671 | 100.0 | 14.5 | 1.7 | 12.8 | 85.5 |
| Some college or associate degree..... | 17,722 | 4,506 | 611 | 3,895 | 13,216 | 100.0 | 25.4 | 3.4 | 22.0 | 74.6 |
| Some college, no degree..... | 10,374 | 2,289 | 309 | 1,980 | 8,086 | 100.0 | 22.1 | 3.0 | 19.1 | 77.9 |
| Associate degree..... | 7,348 | 2,217 | 302 | 1,915 | 5,130 | 100.0 | 30.2 | 4.1 | 26.1 | 69.8 |
| Bachelor's degree and higher..... | 30,434 | 9,045 | 1,009 | 8,036 | 21,390 | 100.0 | 29.7 | 3.3 | 26.4 | 70.3 |
| Bachelor's degree only..... | 19,226 | 4,517 | 623 | 3,894 | 14,709 | 100.0 | 23.5 | 3.2 | 20.3 | 76.5 |
| Advanced degree ⁴ | 11,208 | 4,528 | 385 | 4,142 | 6,681 | 100.0 | 40.4 | 3.4 | 37.0 | 59.6 |
| Women, 25 years and over..... | 64,537 | 19,255 | 1,480 | 17,775 | 45,282 | 100.0 | 29.8 | 2.3 | 27.5 | 70.2 |
| Less than a high school diploma..... | 2,934 | 216 | 21 | 195 | 2,717 | 100.0 | 7.4 | 0.7 | 6.6 | 92.6 |
| High school graduates, no college ³ | 13,842 | 1,847 | 143 | 1,705 | 11,994 | 100.0 | 13.3 | 1.0 | 12.3 | 86.7 |
| Some college or associate degree..... | 16,801 | 4,763 | 414 | 4,349 | 12,038 | 100.0 | 28.3 | 2.5 | 25.9 | 71.7 |
| Some college, no degree..... | 8,974 | 1,867 | 189 | 1,678 | 7,107 | 100.0 | 20.8 | 2.1 | 18.7 | 79.2 |
| Associate degree..... | 7,827 | 2,896 | 225 | 2,671 | 4,932 | 100.0 | 37.0 | 2.9 | 34.1 | 63.0 |
| Bachelor's degree and higher..... | 30,960 | 12,428 | 902 | 11,526 | 18,532 | 100.0 | 40.1 | 2.9 | 37.2 | 59.9 |
| Bachelor's degree only..... | 18,459 | 5,734 | 493 | 5,241 | 12,725 | 100.0 | 31.1 | 2.7 | 28.4 | 68.9 |
| Advanced degree ⁴ | 12,501 | 6,694 | 409 | 6,285 | 5,806 | 100.0 | 53.6 | 3.3 | 50.3 | 46.4 |

¹ A person may have more than one certification or license.

² Persons with a license may also have a certification.

³ Includes persons with a high school diploma or equivalent.

⁴ 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.