

51. Certification and licensing status of employed persons 16 years and over by selected characteristics, 2015 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	148,834	37,930	4,575	33,356	110,903	100.0	25.5	3.1	22.4	74.5
16 to 24 years	18,756	1,962	272	1,690	16,794	100.0	10.5	1.4	9.0	89.5
25 to 54 years	96,638	26,434	3,296	23,138	70,204	100.0	27.4	3.4	23.9	72.6
25 to 34 years	32,742	8,201	1,075	7,127	24,541	100.0	25.0	3.3	21.8	75.0
35 to 44 years	31,252	8,972	1,135	7,837	22,280	100.0	28.7	3.6	25.1	71.3
45 to 54 years	32,643	9,261	1,086	8,174	23,382	100.0	28.4	3.3	25.0	71.6
55 years and over	33,440	9,535	1,007	8,527	23,905	100.0	28.5	3.0	25.5	71.5
55 to 64 years	24,975	7,148	783	6,365	17,828	100.0	28.6	3.1	25.5	71.4
65 years and over	8,465	2,387	225	2,162	6,078	100.0	28.2	2.7	25.5	71.8
Men, 16 years and over	79,131	18,337	2,710	15,626	60,794	100.0	23.2	3.4	19.7	76.8
16 to 24 years	9,527	813	152	660	8,714	100.0	8.5	1.6	6.9	91.5
25 to 54 years	51,851	12,501	1,956	10,545	39,350	100.0	24.1	3.8	20.3	75.9
25 to 34 years	17,746	3,664	620	3,044	14,082	100.0	20.6	3.5	17.2	79.4
35 to 44 years	16,861	4,261	695	3,566	12,600	100.0	25.3	4.1	21.1	74.7
45 to 54 years	17,245	4,576	640	3,936	12,669	100.0	26.5	3.7	22.8	73.5
55 years and over	17,752	5,023	602	4,420	12,729	100.0	28.3	3.4	24.9	71.7
55 to 64 years	13,092	3,643	465	3,178	9,449	100.0	27.8	3.5	24.3	72.2
65 years and over	4,661	1,380	138	1,242	3,281	100.0	29.6	3.0	26.7	70.4
Women, 16 years and over	69,703	19,593	1,864	17,729	50,109	100.0	28.1	2.7	25.4	71.9
16 to 24 years	9,229	1,149	119	1,030	8,080	100.0	12.4	1.3	11.2	87.6
25 to 54 years	44,786	13,933	1,340	12,593	30,853	100.0	31.1	3.0	28.1	68.9
25 to 34 years	14,996	4,537	455	4,083	10,459	100.0	30.3	3.0	27.2	69.7
35 to 44 years	14,391	4,711	439	4,272	9,680	100.0	32.7	3.1	29.7	67.3
45 to 54 years	15,399	4,685	446	4,238	10,714	100.0	30.4	2.9	27.5	69.6
55 years and over	15,688	4,512	405	4,107	11,176	100.0	28.8	2.6	26.2	71.2
55 to 64 years	11,884	3,505	318	3,187	8,379	100.0	29.5	2.7	26.8	70.5
65 years and over	3,804	1,007	87	920	2,797	100.0	26.5	2.3	24.2	73.5
Race and Hispanic or Latino ethnicity										
White, 16 years and over	117,944	30,941	3,659	27,282	87,004	100.0	26.2	3.1	23.1	73.8
Men	63,892	15,358	2,199	13,159	48,534	100.0	24.0	3.4	20.6	76.0
Women	54,052	15,583	1,460	14,123	38,469	100.0	28.8	2.7	26.1	71.2
Black or African American, 16 years and over	17,472	3,947	481	3,466	13,525	100.0	22.6	2.8	19.8	77.4
Men	8,164	1,578	253	1,325	6,586	100.0	19.3	3.1	16.2	80.7
Women	9,308	2,369	228	2,141	6,939	100.0	25.5	2.4	23.0	74.5
Asian, 16 years and over	8,706	2,002	295	1,707	6,704	100.0	23.0	3.4	19.6	77.0
Men	4,620	919	180	739	3,701	100.0	19.9	3.9	16.0	80.1
Women	4,086	1,083	115	969	3,003	100.0	26.5	2.8	23.7	73.5
Hispanic or Latino ethnicity, 16 years and over	24,400	3,838	533	3,305	20,561	100.0	15.7	2.2	13.5	84.3
Men	14,111	1,979	341	1,638	12,132	100.0	14.0	2.4	11.6	86.0
Women	10,289	1,859	192	1,667	8,429	100.0	18.1	1.9	16.2	81.9
Educational attainment										
Total, 25 years and over	130,077	35,968	4,303	31,665	94,109	100.0	27.7	3.3	24.3	72.3
Less than a high school diploma	10,098	846	109	737	9,252	100.0	8.4	1.1	7.3	91.6
High school graduates, no college ³	33,402	5,460	691	4,768	27,942	100.0	16.3	2.1	14.3	83.7
Some college or associate degree	35,785	10,141	1,374	8,767	25,645	100.0	28.3	3.8	24.5	71.7
Some college, no degree	21,573	5,019	720	4,299	16,554	100.0	23.3	3.3	19.9	76.7
Associate degree	14,213	5,121	653	4,468	9,091	100.0	36.0	4.6	31.4	64.0
Bachelor's degree and higher	50,792	19,522	2,129	17,393	31,270	100.0	38.4	4.2	34.2	61.6
Bachelor's degree only	31,772	9,644	1,244	8,401	22,128	100.0	30.4	3.9	26.4	69.6
Advanced degree ⁴	19,020	9,878	885	8,993	9,142	100.0	51.9	4.7	47.3	48.1
Men, 25 years and over	69,604	17,524	2,558	14,966	52,080	100.0	25.2	3.7	21.5	74.8
Less than a high school diploma	6,573	568	81	487	6,005	100.0	8.6	1.2	7.4	91.4
High school graduates, no college ³	19,302	3,445	489	2,956	15,856	100.0	17.9	2.5	15.3	82.1
Some college or associate degree	17,953	4,847	790	4,058	13,106	100.0	27.0	4.4	22.6	73.0
Some college, no degree	11,293	2,735	423	2,312	8,558	100.0	24.2	3.7	20.5	75.8
Associate degree	6,660	2,112	367	1,745	4,548	100.0	31.7	5.5	26.2	68.3
Bachelor's degree and higher	25,776	8,663	1,198	7,465	17,112	100.0	33.6	4.6	29.0	66.4
Bachelor's degree only	16,323	4,350	711	3,639	11,973	100.0	26.6	4.4	22.3	73.4
Advanced degree ⁴	9,453	4,314	488	3,826	5,139	100.0	45.6	5.2	40.5	54.4

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Women, 25 years and over	60,474	18,445	1,745	16,700	42,029	100.0	30.5	2.9	27.6	69.5
Less than a high school diploma	3,525	278	28	250	3,247	100.0	7.9	0.8	7.1	92.1
High school graduates, no college ³	14,100	2,014	202	1,812	12,086	100.0	14.3	1.4	12.9	85.7
Some college or associate degree	17,832	5,293	584	4,709	12,539	100.0	29.7	3.3	26.4	70.3
Some college, no degree	10,280	2,284	298	1,986	7,996	100.0	22.2	2.9	19.3	77.8
Associate degree	7,553	3,010	286	2,723	4,543	100.0	39.8	3.8	36.1	60.2
Bachelor's degree and higher	25,016	10,858	931	9,928	14,158	100.0	43.4	3.7	39.7	56.6
Bachelor's degree only	15,449	5,295	533	4,762	10,154	100.0	34.3	3.5	30.8	65.7
Advanced degree ⁴	9,567	5,564	397	5,166	4,004	100.0	58.2	4.2	54.0	41.8

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.