

**HOUSEHOLD DATA
ANNUAL AVERAGES**

51. Certification and licensing status of employed persons 16 years and over by selected characteristics, 2017 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.....	153,337	37,245	3,580	33,664	116,093	100.0	24.3	2.3	22.0	75.7
16 to 24 years.....	19,206	1,982	205	1,777	17,224	100.0	10.3	1.1	9.3	89.7
25 to 54 years.....	98,833	25,672	2,518	23,154	73,161	100.0	26.0	2.5	23.4	74.0
25 to 34 years.....	34,439	8,088	800	7,287	26,351	100.0	23.5	2.3	21.2	76.5
35 to 44 years.....	31,892	8,632	848	7,783	23,260	100.0	27.1	2.7	24.4	72.9
45 to 54 years.....	32,503	8,953	869	8,083	23,550	100.0	27.5	2.7	24.9	72.5
55 years and over.....	35,299	9,591	858	8,733	25,708	100.0	27.2	2.4	24.7	72.8
55 to 64 years.....	26,064	7,043	672	6,371	19,021	100.0	27.0	2.6	24.4	73.0
65 years and over.....	9,234	2,548	186	2,362	6,686	100.0	27.6	2.0	25.6	72.4
Men, 16 years and over.....	81,402	17,764	2,113	15,650	63,638	100.0	21.8	2.6	19.2	78.2
16 to 24 years.....	9,764	821	120	701	8,943	100.0	8.4	1.2	7.2	91.6
25 to 54 years.....	52,817	11,977	1,505	10,472	40,840	100.0	22.7	2.8	19.8	77.3
25 to 34 years.....	18,490	3,560	481	3,079	14,930	100.0	19.3	2.6	16.7	80.7
35 to 44 years.....	17,202	4,059	507	3,552	13,143	100.0	23.6	2.9	20.7	76.4
45 to 54 years.....	17,125	4,358	518	3,840	12,767	100.0	25.4	3.0	22.4	74.6
55 years and over.....	18,821	4,965	488	4,478	13,855	100.0	26.4	2.6	23.8	73.6
55 to 64 years.....	13,710	3,516	367	3,149	10,194	100.0	25.6	2.7	23.0	74.4
65 years and over.....	5,111	1,449	121	1,329	3,661	100.0	28.4	2.4	26.0	71.6
Women, 16 years and over.....	71,936	19,481	1,467	18,014	52,455	100.0	27.1	2.0	25.0	72.9
16 to 24 years.....	9,442	1,161	84	1,076	8,281	100.0	12.3	0.9	11.4	87.7
25 to 54 years.....	46,016	13,695	1,012	12,682	32,321	100.0	29.8	2.2	27.6	70.2
25 to 34 years.....	15,949	4,528	320	4,208	11,421	100.0	28.4	2.0	26.4	71.6
35 to 44 years.....	14,690	4,573	341	4,231	10,117	100.0	31.1	2.3	28.8	68.9
45 to 54 years.....	15,377	4,594	351	4,243	10,783	100.0	29.9	2.3	27.6	70.1
55 years and over.....	16,478	4,626	370	4,255	11,852	100.0	28.1	2.2	25.8	71.9
55 to 64 years.....	12,354	3,527	305	3,222	8,827	100.0	28.5	2.5	26.1	71.5
65 years and over.....	4,124	1,098	65	1,033	3,025	100.0	26.6	1.6	25.1	73.4
Race and Hispanic or Latino ethnicity										
White, 16 years and over.....	120,176	30,234	2,875	27,358	89,942	100.0	25.2	2.4	22.8	74.8
Men.....	65,000	14,785	1,719	13,066	50,215	100.0	22.7	2.6	20.1	77.3
Women.....	55,176	15,449	1,156	14,293	39,727	100.0	28.0	2.1	25.9	72.0
Black or African American, 16 years and over.....	18,587	3,949	352	3,597	14,638	100.0	21.2	1.9	19.4	78.8
Men.....	8,742	1,553	188	1,365	7,189	100.0	17.8	2.2	15.6	82.2
Women.....	9,845	2,396	163	2,233	7,450	100.0	24.3	1.7	22.7	75.7
Asian, 16 years and over.....	9,448	1,983	245	1,739	7,464	100.0	21.0	2.6	18.4	79.0
Men.....	4,989	901	143	758	4,088	100.0	18.1	2.9	15.2	81.9
Women.....	4,458	1,082	101	981	3,376	100.0	24.3	2.3	22.0	75.7
Hispanic or Latino ethnicity, 16 years and over.....	25,938	3,868	403	3,465	22,070	100.0	14.9	1.6	13.4	85.1
Men.....	14,874	1,939	246	1,693	12,935	100.0	13.0	1.7	11.4	87.0
Women.....	11,064	1,929	157	1,772	9,135	100.0	17.4	1.4	16.0	82.6
Educational attainment										
Total, 25 years and over.....	134,132	35,263	3,376	31,887	98,869	100.0	26.3	2.5	23.8	73.7
Less than a high school diploma.....	9,668	777	68	709	8,891	100.0	8.0	0.7	7.3	92.0
High school graduates, no college ³	34,210	5,099	511	4,588	29,111	100.0	14.9	1.5	13.4	85.1
Some college or associate degree.....	36,282	9,728	998	8,729	26,555	100.0	26.8	2.8	24.1	73.2
Some college, no degree.....	21,440	4,673	532	4,141	16,767	100.0	21.8	2.5	19.3	78.2

See footnotes at end of table.

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**51. Certification and licensing status of employed persons 16 years and over by selected characteristics, 2017
annual averages — Continued**

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	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
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Associate degree.....	14,842	5,054	466	4,588	9,788	100.0	34.1	3.1	30.9	65.9
Bachelor's degree and higher.....	53,971	19,659	1,798	17,862	34,312	100.0	36.4	3.3	33.1	63.6
Bachelor's degree only.....	33,620	9,722	1,045	8,677	23,897	100.0	28.9	3.1	25.8	71.1
Advanced degree ⁴	20,351	9,937	753	9,184	10,414	100.0	48.8	3.7	45.1	51.2
Men, 25 years and over.....	71,638	16,943	1,993	14,950	54,696	100.0	23.7	2.8	20.9	76.3
Less than a high school diploma.....	6,129	506	52	454	5,623	100.0	8.3	0.8	7.4	91.7
High school graduates, no college ³	20,013	3,193	367	2,825	16,820	100.0	16.0	1.8	14.1	84.0
Some college or associate degree.....	18,324	4,690	579	4,110	13,635	100.0	25.6	3.2	22.4	74.4
Some college, no degree.....	11,355	2,578	320	2,259	8,777	100.0	22.7	2.8	19.9	77.3
Associate degree.....	6,969	2,111	260	1,852	4,858	100.0	30.3	3.7	26.6	69.7
Bachelor's degree and higher.....	27,172	8,555	995	7,560	18,618	100.0	31.5	3.7	27.8	68.5
Bachelor's degree only.....	17,137	4,259	565	3,694	12,878	100.0	24.9	3.3	21.6	75.1
Advanced degree ⁴	10,035	4,296	430	3,866	5,740	100.0	42.8	4.3	38.5	57.2
Women, 25 years and over.....	62,494	18,320	1,383	16,938	44,173	100.0	29.3	2.2	27.1	70.7
Less than a high school diploma.....	3,540	271	16	255	3,268	100.0	7.7	0.5	7.2	92.3
High school graduates, no college ³	14,197	1,906	144	1,762	12,291	100.0	13.4	1.0	12.4	86.6
Some college or associate degree.....	17,958	5,038	419	4,619	12,920	100.0	28.1	2.3	25.7	71.9
Some college, no degree.....	10,085	2,095	213	1,883	7,990	100.0	20.8	2.1	18.7	79.2
Associate degree.....	7,873	2,943	207	2,736	4,930	100.0	37.4	2.6	34.8	62.6
Bachelor's degree and higher.....	26,799	11,105	803	10,302	15,694	100.0	41.4	3.0	38.4	58.6
Bachelor's degree only.....	16,483	5,464	480	4,983	11,019	100.0	33.1	2.9	30.2	66.9
Advanced degree ⁴	10,316	5,641	323	5,318	4,675	100.0	54.7	3.1	51.6	45.3

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.