

**HOUSEHOLD DATA
ANNUAL AVERAGES**

**51. Certification and licensing status of employed persons 16 years and over by selected characteristics, 2023
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.....	161,037	38,793	4,018	34,775	122,244	100.0	24.1	2.5	21.6	75.9
16 to 24 years.....	20,372	2,029	219	1,810	18,343	100.0	10.0	1.1	8.9	90.0
25 to 54 years.....	103,223	26,945	2,893	24,052	76,278	100.0	26.1	2.8	23.3	73.9
25 to 34 years.....	35,838	8,362	905	7,458	27,475	100.0	23.3	2.5	20.8	76.7
35 to 44 years.....	35,399	9,827	1,079	8,748	25,573	100.0	27.8	3.0	24.7	72.2
45 to 54 years.....	31,986	8,756	910	7,847	23,229	100.0	27.4	2.8	24.5	72.6
55 years and over.....	37,441	9,818	906	8,912	27,623	100.0	26.2	2.4	23.8	73.8
55 to 64 years.....	26,562	6,972	668	6,304	19,590	100.0	26.2	2.5	23.7	73.8
65 years and over.....	10,879	2,846	238	2,608	8,033	100.0	26.2	2.2	24.0	73.8
Men, 16 years and over.....	85,500	18,029	2,301	15,728	67,471	100.0	21.1	2.7	18.4	78.9
16 to 24 years.....	10,243	865	125	740	9,378	100.0	8.4	1.2	7.2	91.6
25 to 54 years.....	55,163	12,158	1,639	10,520	43,005	100.0	22.0	3.0	19.1	78.0
25 to 34 years.....	19,116	3,598	488	3,110	15,518	100.0	18.8	2.6	16.3	81.2
35 to 44 years.....	19,055	4,447	622	3,825	14,608	100.0	23.3	3.3	20.1	76.7
45 to 54 years.....	16,993	4,114	528	3,585	12,879	100.0	24.2	3.1	21.1	75.8
55 years and over.....	20,094	5,005	537	4,469	15,089	100.0	24.9	2.7	22.2	75.1
55 to 64 years.....	14,152	3,457	399	3,058	10,694	100.0	24.4	2.8	21.6	75.6
65 years and over.....	5,942	1,548	137	1,411	4,394	100.0	26.0	2.3	23.7	74.0
Women, 16 years and over.....	75,537	20,764	1,718	19,047	54,772	100.0	27.5	2.3	25.2	72.5
16 to 24 years.....	10,130	1,164	94	1,071	8,965	100.0	11.5	0.9	10.6	88.5
25 to 54 years.....	48,060	14,787	1,254	13,533	33,273	100.0	30.8	2.6	28.2	69.2
25 to 34 years.....	16,722	4,764	416	4,348	11,957	100.0	28.5	2.5	26.0	71.5
35 to 44 years.....	16,345	5,380	457	4,923	10,965	100.0	32.9	2.8	30.1	67.1
45 to 54 years.....	14,993	4,643	381	4,261	10,351	100.0	31.0	2.5	28.4	69.0
55 years and over.....	17,347	4,813	369	4,444	12,534	100.0	27.7	2.1	25.6	72.3
55 to 64 years.....	12,410	3,515	269	3,246	8,896	100.0	28.3	2.2	26.2	71.7
65 years and over.....	4,937	1,298	101	1,197	3,639	100.0	26.3	2.0	24.3	73.7
Race and Hispanic or Latino ethnicity										
White, 16 years and over.....	123,165	30,375	3,103	27,272	92,791	100.0	24.7	2.5	22.1	75.3
Men.....	66,524	14,495	1,801	12,695	52,029	100.0	21.8	2.7	19.1	78.2
Women.....	56,642	15,880	1,302	14,577	40,762	100.0	28.0	2.3	25.7	72.0
Black or African American, 16 years and over.....	20,674	4,800	473	4,327	15,875	100.0	23.2	2.3	20.9	76.8
Men.....	9,943	1,910	244	1,666	8,033	100.0	19.2	2.5	16.8	80.8
Women.....	10,731	2,890	228	2,661	7,842	100.0	26.9	2.1	24.8	73.1
Asian, 16 years and over.....	11,096	2,372	323	2,049	8,724	100.0	21.4	2.9	18.5	78.6
Men.....	5,852	1,047	182	865	4,806	100.0	17.9	3.1	14.8	82.1
Women.....	5,243	1,325	141	1,184	3,918	100.0	25.3	2.7	22.6	74.7
Hispanic or Latino ethnicity, 16 years and over.....	30,343	4,578	499	4,079	25,765	100.0	15.1	1.6	13.4	84.9
Men.....	17,071	2,248	301	1,947	14,823	100.0	13.2	1.8	11.4	86.8
Women.....	13,271	2,329	198	2,132	10,942	100.0	17.6	1.5	16.1	82.4
Educational attainment										
Total, 25 years and over.....	140,664	36,764	3,799	32,964	103,901	100.0	26.1	2.7	23.4	73.9
Less than a high school diploma.....	8,669	655	71	584	8,014	100.0	7.6	0.8	6.7	92.4
High school graduates, no college ³	34,529	4,929	491	4,437	29,600	100.0	14.3	1.4	12.9	85.7
Some college or associate degree.....	34,714	9,218	1,069	8,149	25,496	100.0	26.6	3.1	23.5	73.4
Some college, no degree.....	19,256	4,149	555	3,594	15,107	100.0	21.5	2.9	18.7	78.5

See footnotes at end of table.

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Associate degree.....	15,457	5,069	514	4,555	10,389	100.0	32.8	3.3	29.5	67.2
Bachelor's degree and higher.....	62,752	21,962	2,168	19,794	40,790	100.0	35.0	3.5	31.5	65.0
Bachelor's degree only.....	38,489	10,491	1,262	9,229	27,998	100.0	27.3	3.3	24.0	72.7
Advanced degree ⁴	24,263	11,471	906	10,565	12,793	100.0	47.3	3.7	43.5	52.7
Men, 25 years and over.....	75,257	17,164	2,175	14,988	58,094	100.0	22.8	2.9	19.9	77.2
Less than a high school diploma.....	5,617	453	54	399	5,164	100.0	8.1	1.0	7.1	91.9
High school graduates, no college ³	20,559	3,025	324	2,701	17,534	100.0	14.7	1.6	13.1	85.3
Some college or associate degree.....	17,928	4,507	646	3,861	13,421	100.0	25.1	3.6	21.5	74.9
Some college, no degree.....	10,431	2,290	352	1,938	8,141	100.0	22.0	3.4	18.6	78.0
Associate degree.....	7,497	2,217	294	1,923	5,280	100.0	29.6	3.9	25.7	70.4
Bachelor's degree and higher.....	31,153	9,178	1,151	8,027	21,975	100.0	29.5	3.7	25.8	70.5
Bachelor's degree only.....	19,661	4,585	698	3,886	15,076	100.0	23.3	3.6	19.8	76.7
Advanced degree ⁴	11,493	4,594	453	4,140	6,899	100.0	40.0	3.9	36.0	60.0
Women, 25 years and over.....	65,407	19,600	1,624	17,976	45,807	100.0	30.0	2.5	27.5	70.0
Less than a high school diploma.....	3,052	201	17	185	2,851	100.0	6.6	0.5	6.1	93.4
High school graduates, no college ³	13,970	1,904	168	1,736	12,066	100.0	13.6	1.2	12.4	86.4
Some college or associate degree.....	16,786	4,711	423	4,288	12,075	100.0	28.1	2.5	25.5	71.9
Some college, no degree.....	8,826	1,859	203	1,656	6,966	100.0	21.1	2.3	18.8	78.9
Associate degree.....	7,960	2,852	221	2,631	5,109	100.0	35.8	2.8	33.1	64.2
Bachelor's degree and higher.....	31,599	12,784	1,016	11,767	18,815	100.0	40.5	3.2	37.2	59.5
Bachelor's degree only.....	18,828	5,907	564	5,343	12,922	100.0	31.4	3.0	28.4	68.6
Advanced degree ⁴	12,771	6,877	452	6,425	5,894	100.0	53.8	3.5	50.3	46.2

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.