

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**E-3. Employment status of the civilian noninstitutional population 25 years and over by educational attainment, seasonally adjusted**

[Numbers in thousands]

Educational attainment	2020			2021				2022				2023	
	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd
<b>Less than a high school diploma</b>													
Civilian labor force.....	8,379	8,566	9,255	9,036	8,899	9,203	8,890	8,940	9,183	8,855	8,976	9,061	9,135
Participation rate.....	42.5	44.6	45.9	45.2	43.3	46.0	45.7	45.8	44.3	45.8	45.9	46.9	46.2
Employed.....	6,778	7,485	8,358	8,206	8,048	8,447	8,352	8,462	8,685	8,339	8,508	8,603	8,616
Employment-population ratio.....	34.4	39.0	41.4	41.0	39.1	42.2	42.9	43.3	41.9	43.1	43.5	44.6	43.6
Unemployed.....	1,602	1,081	897	830	851	755	538	478	498	516	468	458	519
Unemployment rate.....	19.1	12.6	9.7	9.2	9.6	8.2	6.1	5.4	5.4	5.8	5.2	5.1	5.7
<b>High school graduates, no college<sup>1</sup></b>													
Civilian labor force.....	33,693	34,543	35,210	34,252	34,889	35,226	35,597	36,772	36,109	35,491	35,289	35,906	35,937
Participation rate.....	55.2	55.4	55.6	54.6	55.6	55.5	55.6	56.6	56.7	56.2	56.2	56.1	56.7
Employed.....	28,529	31,119	32,417	31,883	32,454	33,122	33,830	35,184	34,756	34,109	33,949	34,552	34,531
Employment-population ratio.....	46.7	49.9	51.2	50.9	51.7	52.2	52.8	54.2	54.6	54.0	53.8	54.0	54.5
Unemployed.....	5,164	3,424	2,793	2,369	2,435	2,105	1,767	1,589	1,353	1,381	1,340	1,354	1,406
Unemployment rate.....	15.3	9.9	7.9	6.9	7.0	6.0	5.0	4.3	3.7	3.9	3.8	3.8	3.9
<b>Some college or associate degree</b>													
Civilian labor force.....	36,450	36,255	35,745	35,594	35,876	35,834	35,415	35,458	35,690	35,591	35,825	35,996	35,546
Participation rate.....	63.5	63.6	62.5	62.8	63.2	63.2	62.7	63.5	63.2	62.8	62.7	63.6	62.8
Employed.....	31,573	33,169	33,430	33,488	33,753	34,115	34,059	34,242	34,543	34,564	34,739	34,906	34,465
Employment-population ratio.....	55.0	58.2	58.5	59.1	59.5	60.1	60.3	61.3	61.1	61.0	60.8	61.6	60.9
Unemployed.....	4,877	3,087	2,315	2,106	2,123	1,719	1,356	1,216	1,147	1,027	1,086	1,090	1,081
Unemployment rate.....	13.4	8.5	6.5	5.9	5.9	4.8	3.8	3.4	3.2	2.9	3.0	3.0	3.0
<b>Bachelor's degree and higher<sup>2</sup></b>													
Civilian labor force.....	60,824	61,092	59,734	60,697	60,710	60,716	61,175	61,804	62,103	63,491	63,168	63,209	64,184
Participation rate.....	72.1	72.2	72.1	72.0	72.4	72.1	72.1	72.6	73.2	72.9	72.6	72.7	73.3
Employed.....	56,246	57,681	57,301	58,363	58,668	59,018	59,805	60,490	60,848	62,290	61,939	61,934	62,908
Employment-population ratio.....	66.7	68.2	69.1	69.3	69.9	70.1	70.5	71.1	71.7	71.6	71.2	71.2	71.8
Unemployed.....	4,578	3,411	2,433	2,334	2,042	1,699	1,370	1,314	1,255	1,201	1,229	1,275	1,276
Unemployment rate.....	7.5	5.6	4.1	3.8	3.4	2.8	2.2	2.1	2.0	1.9	1.9	2.0	2.0

<sup>1</sup> Includes persons with a high school diploma or equivalent.

<sup>2</sup> Includes persons with bachelor's, master's, professional, and doctoral degrees.

NOTE: Detail for the data shown in this table will not necessarily add to totals for those 25 years and over because of the independent seasonal adjustment of the various series. Updated population controls are introduced annually with the release of January data.