

**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	2018				2019				2020				2021
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st
<b>Less than a high school diploma</b>													
Civilian labor force.....	10,278	10,410	10,239	10,175	10,160	10,024	9,983	9,726	9,513	8,458	8,543	9,197	9,015
Participation rate.....	45.8	46.0	46.4	46.5	46.1	45.3	46.7	46.3	46.4	42.9	44.5	45.6	45.1
Employed.....	9,707	9,833	9,676	9,581	9,589	9,499	9,473	9,194	8,934	6,849	7,454	8,310	8,192
Employment-population ratio.....	43.3	43.4	43.9	43.8	43.5	42.9	44.3	43.8	43.5	34.7	38.8	41.2	40.9
Unemployed.....	571	577	563	594	571	524	510	533	580	1,609	1,089	887	823
Unemployment rate.....	5.6	5.5	5.5	5.8	5.6	5.2	5.1	5.5	6.1	19.0	12.7	9.6	9.1
<b>High school graduates, no college<sup>1</sup></b>													
Civilian labor force.....	35,838	35,845	36,309	36,046	36,099	35,971	36,409	36,164	35,821	33,519	34,434	35,189	34,415
Participation rate.....	57.3	57.5	57.6	57.8	58.1	57.8	57.7	58.0	58.0	54.9	55.2	55.6	54.9
Employed.....	34,296	34,347	34,886	34,668	34,801	34,635	35,097	34,814	34,449	28,517	31,042	32,413	32,004
Employment-population ratio.....	54.8	55.1	55.3	55.6	56.0	55.6	55.6	55.9	55.8	46.7	49.8	51.2	51.1
Unemployed.....	1,542	1,498	1,424	1,377	1,299	1,336	1,312	1,351	1,372	5,002	3,392	2,776	2,411
Unemployment rate.....	4.3	4.2	3.9	3.8	3.6	3.7	3.6	3.7	3.8	14.9	9.9	7.9	7.0
<b>Some college or associate degree</b>													
Civilian labor force.....	37,651	37,914	37,416	37,361	37,233	37,455	37,510	37,483	37,236	36,298	36,376	35,694	35,554
Participation rate.....	65.6	65.5	65.4	65.3	65.3	65.0	65.3	64.7	64.5	63.2	63.8	62.4	62.8
Employed.....	36,353	36,644	36,200	36,153	36,013	36,340	36,382	36,392	36,066	31,578	33,226	33,408	33,431
Employment-population ratio.....	63.4	63.3	63.3	63.2	63.1	63.1	63.3	62.8	62.5	55.0	58.3	58.4	59.0
Unemployed.....	1,299	1,270	1,217	1,208	1,219	1,115	1,128	1,090	1,170	4,720	3,150	2,285	2,122
Unemployment rate.....	3.4	3.3	3.3	3.2	3.3	3.0	3.0	2.9	3.1	13.0	8.7	6.4	6.0
<b>Bachelor's degree and higher<sup>2</sup></b>													
Civilian labor force.....	56,419	56,842	57,370	58,240	58,474	58,389	58,840	59,856	60,211	60,782	61,162	59,696	60,657
Participation rate.....	73.7	74.2	73.8	73.5	73.7	73.8	73.7	73.8	73.3	72.1	72.3	72.0	72.0
Employed.....	55,183	55,610	56,193	56,996	57,188	57,146	57,622	58,666	58,936	56,196	57,753	57,267	58,333
Employment-population ratio.....	72.1	72.6	72.3	71.9	72.1	72.3	72.2	72.4	71.8	66.6	68.3	69.1	69.2
Unemployed.....	1,236	1,232	1,176	1,244	1,285	1,242	1,218	1,190	1,276	4,587	3,409	2,429	2,324
Unemployment rate.....	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.0	2.1	7.5	5.6	4.1	3.8

<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.