

**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	2019				2020				2021				2022
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st
Less than a high school diploma													
Civilian labor force.....	10,160	10,014	9,986	9,737	9,510	8,447	8,552	9,208	9,026	8,970	9,188	8,843	8,915
Participation rate.....	46.1	45.2	46.7	46.4	46.4	42.8	44.6	45.6	45.1	43.6	46.0	45.5	45.6
Employed.....	9,592	9,490	9,477	9,199	8,932	6,839	7,464	8,316	8,205	8,114	8,426	8,309	8,448
Employment-population ratio.....	43.6	42.9	44.4	43.8	43.5	34.7	38.9	41.2	41.0	39.5	42.1	42.7	43.2
Unemployed.....	568	524	508	538	578	1,607	1,087	893	822	857	763	534	468
Unemployment rate.....	5.6	5.2	5.1	5.5	6.1	19.0	12.7	9.7	9.1	9.6	8.3	6.0	5.2
High school graduates, no college¹													
Civilian labor force.....	36,189	35,969	36,399	36,078	35,907	33,704	34,459	35,156	34,360	34,926	35,143	35,518	36,833
Participation rate.....	58.2	57.8	57.7	57.9	58.1	55.2	55.3	55.5	54.8	55.7	55.4	55.5	56.7
Employed.....	34,815	34,685	35,107	34,737	34,459	28,572	31,068	32,338	31,970	32,511	33,061	33,733	35,227
Employment-population ratio.....	56.0	55.7	55.6	55.8	55.8	46.8	49.8	51.0	51.0	51.8	52.1	52.7	54.2
Unemployed.....	1,374	1,284	1,293	1,340	1,447	5,132	3,390	2,818	2,390	2,415	2,082	1,786	1,606
Unemployment rate.....	3.8	3.6	3.6	3.7	4.0	15.2	9.8	8.0	7.0	6.9	5.9	5.0	4.4
Some college or associate degree													
Civilian labor force.....	37,308	37,423	37,471	37,455	37,312	36,435	36,216	35,770	35,587	35,892	35,805	35,430	35,422
Participation rate.....	65.4	64.9	65.2	64.7	64.7	63.4	63.6	62.5	62.8	63.3	63.1	62.7	63.4
Employed.....	36,055	36,335	36,349	36,379	36,104	31,593	33,162	33,430	33,469	33,783	34,107	34,057	34,200
Employment-population ratio.....	63.2	63.0	63.3	62.8	62.6	55.0	58.2	58.5	59.1	59.5	60.1	60.3	61.2
Unemployed.....	1,252	1,088	1,122	1,076	1,208	4,843	3,054	2,341	2,118	2,110	1,699	1,372	1,223
Unemployment rate.....	3.4	2.9	3.0	2.9	3.2	13.3	8.4	6.5	6.0	5.9	4.7	3.9	3.5
Bachelor's degree and higher²													
Civilian labor force.....	58,467	58,383	58,858	59,841	60,193	60,769	61,184	59,702	60,690	60,641	60,835	61,134	61,766
Participation rate.....	73.7	73.8	73.7	73.8	73.3	72.0	72.3	72.0	72.0	72.3	72.3	72.1	72.6
Employed.....	57,175	57,152	57,642	58,644	58,911	56,194	57,777	57,265	58,353	58,603	59,141	59,758	60,445
Employment-population ratio.....	72.0	72.3	72.2	72.3	71.7	66.6	68.3	69.1	69.3	69.9	70.2	70.4	71.0
Unemployed.....	1,291	1,231	1,216	1,197	1,282	4,575	3,407	2,437	2,337	2,038	1,694	1,375	1,321
Unemployment rate.....	2.2	2.1	2.1	2.0	2.1	7.5	5.6	4.1	3.9	3.4	2.8	2.2	2.1

¹ Includes persons with a high school diploma or equivalent.

² 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.