

**Table 358.—Participation of employed persons, 17 years old and over, in adult education during the previous 12 months, by selected characteristics of participants: 1995 and 1999**

Characteristics of employed persons	1995								1999								
	Em- ployed persons, in thou- sands	Adult edu- cation parti- cipants, in thou- sands	Percent of adults participating				Number of career or job- related courses taken, per em- ployee	Percent of career or job- related courses provided by busi- nesses	Em- ployed persons, in thou- sands	Adult edu- cation parti- cipants, in thou- sands	Percent of adults participating				Number of career or job- related courses, taken in thous- ands	Number of career or job-related courses taken, per employee	
			In any pro- grams	In part- time higher edu- cation	Other personal courses	In career or job- related courses					In any programs	In part- time higher edu- cation	In career or job- related courses	In appren- tice programs			Other personal courses
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Total</b> .....	<b>117,826</b>	<b>59,734</b>	<b>50.7</b>	<b>8.2</b>	<b>22.0</b>	<b>31.1</b>	<b>0.78</b>	<b>49.0</b>	<b>132,715</b>	<b>69,644</b>	<b>52.5 (1.3)</b>	<b>11.9 (0.8)</b>	<b>30.5 (1.1)</b>	<b>2.2 (0.4)</b>	<b>23.4 (1.1)</b>	<b>91,369</b>	<b>0.70 (0.03)</b>
<b>Sex</b>																	
Men .....	63,127	29,346	46.5	7.0	17.9	29.0	0.70	46.7	69,950	33,671	48.1 (1.4)	11.6 (0.8)	28.3 (1.2)	3.0 (0.4)	18.2 (1.0)	43,645	0.62 (0.03)
Women .....	54,699	30,387	55.6	9.7	26.8	33.4	0.86	50.9	62,765	35,973	57.3 (1.3)	12.4 (0.8)	32.9 (1.1)	1.4 (0.3)	29.2 (1.1)	47,724	0.76 (0.03)
<b>Age</b>																	
17 to 24 years .....	15,104	7,653	50.7	14.2	21.8	18.6	0.39	53.8	16,697	8,412	50.4 (2.7)	16.2 (1.8)	19.1 (1.9)	4.4 (1.4)	19.8 (1.8)	6,836	0.41 (0.06)
25 to 29 years .....	14,207	7,746	54.5	12.5	22.2	31.2	0.76	51.3	15,352	8,871	57.8 (2.8)	20.2 (2.0)	34.3 (2.4)	3.7 (0.9)	23.4 (2.2)	11,862	0.77 (0.08)
30 to 34 years .....	16,291	8,323	51.1	8.9	22.8	31.6	0.78	49.7	16,343	9,556	58.5 (2.8)	14.2 (1.8)	34.4 (2.5)	2.9 (0.8)	26.0 (2.3)	12,675	0.78 (0.08)
35 to 39 years .....	17,595	9,361	53.2	8.4	21.8	35.1	0.91	51.8	20,041	10,309	51.4 (2.6)	11.8 (1.5)	29.2 (2.2)	1.6 (0.5)	25.1 (2.3)	14,192	0.71 (0.07)
40 to 44 years .....	16,049	8,906	55.5	8.0	26.0	36.6	0.93	44.9	18,392	10,126	55.1 (2.7)	10.7 (1.5)	36.4 (2.4)	1.5 (0.6)	25.6 (2.2)	15,415	0.84 (0.07)
45 to 49 years .....	13,743	7,586	55.2	6.3	23.0	39.6	1.03	44.8	14,944	8,231	55.1 (2.9)	9.8 (1.4)	30.4 (2.4)	1.8 (0.8)	27.7 (2.4)	9,886	0.66 (0.06)
50 to 54 years .....	10,408	5,222	50.2	4.9	20.9	34.4	0.87	49.2	12,820	6,658	51.9 (3.0)	6.2 (1.1)	34.7 (2.6)	1.3 (0.5)	23.1 (2.3)	9,820	0.77 (0.07)
55 to 59 years .....	6,698	2,667	39.8	2.3	18.0	26.7	0.66	46.8	9,672	4,319	44.7 (3.3)	7.9 (1.9)	30.3 (2.8)	0.8 (0.6)	16.7 (2.3)	6,135	0.63 (0.08)
60 to 64 years .....	4,435	1,394	31.4	0.6	15.3	21.1	0.49	58.6	4,526	1,900	42.0 (4.4)	4.6 (1.6)	27.2 (3.8)	0.8 (0.8)	18.1 (3.0)	3,004	0.66 (0.15)
65 and over .....	3,297	876	26.6	0.3	16.3	13.7	0.37	39.7	2,135	837	39.2 (6.0)	4.3 (2.5)	20.3 (4.2)	0.2 (0.3)	21.3 (5.0)	800	0.39 (0.08)
<b>Racial/ethnic group</b>																	
White, non-Hispanic .....	92,333	47,967	51.9	8.0	22.7	33.2	0.83	47.9	96,581	51,612	53.4 (1.1)	11.5 (0.6)	32.8 (1.0)	1.7 (0.3)	24.3 (0.9)	71,627	0.64 (0.03)
Black, non-Hispanic .....	11,577	5,800	50.1	10.5	23.1	26.2	0.67	58.4	15,227	8,160	53.6 (2.8)	13.0 (1.6)	28.1 (2.3)	4.1 (1.3)	26.2 (2.4)	9,754	0.96 (0.07)
Hispanic .....	8,980	3,627	40.4	6.7	15.1	18.1	0.37	46.8	13,805	6,107	44.2 (3.1)	10.6 (1.7)	16.4 (1.8)	4.3 (1.5)	15.9 (2.2)	5,061	0.53 (0.05)
Asian American/Pacific Islander .....	2,825	1,246	44.1	8.0	15.1	25.5	0.58	48.6	4,273	2,275	53.2 (5.5)	19.6 (4.3)	32.8 (4.8)	0.0 (0.0)	20.5 (4.2)	3,135	0.37 (0.15)
American Indian/Alaskan Native .....	663	329	49.6	13.9	25.2	34.0	0.86	54.6	667	350	52.5 (13.1)	20.9 (10.0)	29.5 (11.5)	6.8 (5.6)	10.0 (6.0)	642	0.73 (0.52)
<b>Highest level of education completed</b>																	
Less than high school diploma .....	9,635	2,444	25.4	0.8	9.4	8.8	0.15	56.6	14,493	4,271	29.5 (8.8)	3.2 (2.0)	7.9 (2.3)	2.5 (1.7)	11.1 (3.1)	1,987	0.41 (0.05)
High school diploma .....	38,071	14,639	38.5	4.9	16.5	20.9	0.45	56.7	37,383	15,037	40.2 (1.8)	8.9 (0.9)	21.4 (1.5)	2.4 (0.6)	16.2 (1.3)	15,250	0.82 (0.03)
Some vocational/technical .....	3,997	2,078	52.0	7.2	23.5	32.3	0.82	45.3	4,165	2,025	48.6 (15.5)	9.7 (3.5)	28.7 (5.8)	5.1 (3.2)	21.5 (5.7)	3,030	0.91 (0.17)
Some college .....	23,006	12,868	55.9	14.3	25.4	29.9	0.74	53.5	24,577	13,860	56.4 (2.1)	16.7 (1.5)	29.0 (1.8)	3.0 (0.7)	27.0 (1.8)	17,331	0.71 (0.06)
Associate degree .....	7,591	4,746	62.5	13.3	27.7	39.2	1.02	49.7	9,240	5,698	61.7 (3.3)	19.3 (2.4)	39.7 (3.1)	2.6 (0.9)	25.2 (2.8)	8,133	0.88 (0.09)
Bachelor's degree .....	20,602	12,948	62.8	8.3	26.5	44.6	1.17	47.2	23,943	15,377	64.2 (2.1)	12.5 (1.3)	43.8 (2.0)	1.0 (0.3)	29.8 (1.8)	24,068	1.01 (0.06)
Some graduate work (or study) .....	14,924	10,010	67.1	9.9	29.6	50.2	1.40	40.3	18,914	13,377	70.7 (19.4)	14.6 (3.1)	46.8 (4.2)	1.4 (1.0)	34.0 (3.7)	21,570	1.22 (0.14)
No degree .....	2,770	1,987	71.8	19.7	34.8	44.3	1.20	45.6	3,168	2,353	74.3 (4.5)	24.4 (4.1)	54.2 (4.9)	0.9 (0.7)	30.4 (4.3)	3,785	1.19 (0.14)
Master's .....	8,149	5,456	67.0	9.6	30.4	50.5	1.44	41.7	10,243	7,266	70.9 (2.9)	13.6 (2.0)	45.3 (3.0)	0.9 (0.4)	36.8 (2.9)	11,711	1.14 (0.11)
Doctor's .....	2,060	1,133	55.0	5.0	22.4	40.4	0.98	35.5	3,698	2,350	63.6 (5.3)	9.7 (2.6)	34.4 (4.8)	3.2 (1.5)	32.8 (5.0)	2,623	0.71 (0.12)
Professional .....	1,946	1,434	73.7	2.6	26.4	67.6	1.97	31.4	1,804	1,407	78.0 (6.6)	13.0 (7.1)	67.6 (7.0)	1.4 (1.4)	26.6 (5.7)	3,452	1.91 (0.31)
<b>Metropolitan area</b>																	
Inside metropolitan area .....	89,192	46,911	52.6	8.7	22.6	32.4	0.81	48.6	102,278	54,210	53.0 (1.9)	11.7 (1.0)	31.5 (1.7)	2.3 (0.5)	23.1 (1.5)	73,498	0.72 (0.05)
Inside central city .....	74,367	39,519	53.1	8.8	22.5	33.3	0.83	48.3	87,662	46,478	53.0 (1.2)	12.0 (0.7)	31.2 (1.0)	2.4 (0.4)	23.3 (0.9)	61,774	0.70 (0.03)
Outside central city .....	14,825	7,392	49.9	8.0	23.1	27.9	0.70	50.9	14,616	7,732	52.9 (2.8)	9.6 (1.5)	32.9 (2.5)	1.8 (0.6)	21.8 (2.1)	11,724	0.80 (0.08)
Outside metropolitan area .....	28,634	12,823	44.8	6.9	20.2	26.9	0.66	50.2	30,437	15,434	50.7 (2.1)	12.8 (1.3)	27.1 (1.7)	2.0 (0.7)	24.5 (1.7)	17,871	0.59 (0.05)
<b>Occupation</b>																	
Executive, administrative, or managerial .....	12,500	7,070	56.6	7.4	23.4	42.9	1.20	37.7	25,407	14,654	57.7 (2.2)	11.1 (1.2)	40.6 (2.1)	1.2 (0.4)	23.9 (1.7)	24,581	0.97 (0.07)
Engineers, surveyors, and architects ...	1,702	1,116	65.6	14.5	23.7	44.2	1.07	59.0	1,967	1,575	80.1 (6.2)	26.2 (5.7)	52.1 (7.0)	6.0 (4.3)	29.5 (6.0)	2,037	1.04 (0.16)
Natural scientists and mathematicians ..	1,648	1,211	73.5	10.4	25.6	59.7	1.75	44.0	2,180	1,379	63.2 (7.0)	13.7 (4.2)	46.0 (6.6)	1.4 (0.9)	26.0 (5.8)	1,782	0.82 (0.14)
Social scientists and workers, lawyers ..	2,438	1,873	76.8	11.7	32.4	59.5	1.77	35.6	2,875	2,295	79.8 (4.5)	10.8 (3.2)	56.9 (5.7)	0.7 (0.7)	41.3 (5.5)	4,893	1.70 (0.24)
Teachers, elementary/secondary .....	5,207	4,046	77.7	16.9	36.9	53.9	1.46	50.5	6,634	5,272	79.5 (3.2)	24.6 (3.0)	52.1 (3.5)	0.4 (0.2)	39.3 (3.4)	8,077	1.22 (0.11)
Teachers, postsecondary .....	1,175	657	55.9	4.4	26.1	41.6	1.03	53.5	1,941	1,286	66.3 (6.0)	13.1 (4.3)	35.6 (5.9)	2.1 (1.3)	41.0 (6.1)	1,427	0.74 (0.14)
Physicians, dentists, veterinarians .....	828	590	71.3	1.3	18.3	68.6	2.00	32.4	563	472	83.9 (8.6)	5.0 (4.9)	65.2 (12.0)	4.5 (4.5)	29.0 (11.8)	859	1.53 (0.50)
Registered nurses, pharmacists .....	2,143	1,896	88.5	11.2	34.6	72.8	2.24	45.6	3,051	2,654	87.0 (4.1)	16.6 (4.9)	72.2 (5.0)	0.2 (0.2)	47.9 (5.5)	5,639	1.85 (0.21)
Writers, artists, entertainers, and athletes .....	1,675	829	49.5	8.1	28.7	23.4	0.46	33.3	2,162	1,065	49.3 (7.5)	15.4 (4.8)	30.6 (6.2)	2.5 (1.3)	18.8 (5.0)	1,354	0.63 (0.18)

**Table 358.—Participation of employed persons, 17 years old and over, in adult education during the previous 12 months, by selected characteristics of participants: 1995 and 1999—Continued**

Characteristics of employed persons	1995								1999								
	Em- ployed persons, in thou- sands	Adult edu- cation parti- cipants, in thou- sands	Percent of adults participating				Number of career or job- related courses taken, per em- ployee	Percent of ca- reer or job- related courses provided by busi- nesses	Em- ployed persons, in thou- sands	Adult education parti- cipants, in thousands	Percent of adults participating					Number of ca- reer or job- related courses, taken in thou- sands	Number of career or job-related courses taken, per employee
			In any pro- grams	In part- time higher edu- cation	Other personal courses	In career or job- related courses					In any programs	In part- time higher education	In career or job- related courses	In appren- tice programs	Other personal courses		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Health technologists and technicians ...	1,528	1,147	75.1	12.9	32.1	50.0	1.39	45.0	2,074	1,436	69.2 (6.4)	19.9 (4.5)	41.8 (6.0)	5.2 (3.5)	37.0 (6.0)	2,158	1.04 (0.19)
Technologists, except health .....	3,283	2,153	65.6	12.9	28.3	43.8	1.12	55.8	4,803	2,775	57.8 (5.3)	20.1 (3.8)	37.6 (4.9)	4.0 (2.8)	23.3 (4.1)	4,644	0.97 (0.15)
Marketing and sales occupations .....	15,666	7,131	45.5	6.6	20.2	25.2	0.55	51.2	11,699	5,019	42.9 (2.9)	6.3 (1.2)	21.1 (2.3)	1.7 (0.7)	23.8 (2.4)	5,033	0.43 (0.06)
Administrative support, including clerical .....	20,460	10,727	52.4	9.3	24.1	30.8	0.69	52.4	18,913	9,606	50.8 (2.4)	9.9 (1.2)	27.4 (2.0)	0.9 (0.3)	22.0 (1.9)	10,480	0.55 (0.05)
Service occupations .....	17,355	8,238	47.5	9.0	22.7	22.6	0.60	57.0	15,949	8,078	50.6 (3.0)	14.5 (2.0)	21.0 (2.2)	2.3 (0.7)	22.1 (2.5)	8,067	0.51 (0.07)
Agriculture, forestry, and fishing .....	1,908	500	26.2	1.8	14.8	12.4	0.26	—	2,297	927	40.4 (8.5)	11.2 (4.9)	12.2 (4.1)	6.9 (6.6)	13.0 (4.6)	475	0.21 (0.07)
Mechanics and repairers .....	4,266	2,129	49.9	7.6	16.6	29.1	0.73	57.2	4,736	2,087	44.1 (5.6)	15.2 (3.7)	15.0 (3.4)	6.1 (2.3)	23.0 (5.0)	1,640	0.35 (0.09)
Construction and extractive occupations .....	5,490	2,093	38.1	4.6	18.4	18.6	0.33	48.8	3,973	1,464	36.9 (5.2)	11.2 (3.2)	13.2 (3.2)	6.0 (2.4)	12.0 (3.3)	906	0.23 (0.06)
Precision production occupations .....	1,685	754	44.8	5.9	16.2	25.6	0.58	40.8	1,570	608	38.7 (8.8)	9.4 (4.4)	18.3 (6.5)	11.9 (5.3)	19.5 (6.5)	569	0.36 (0.12)
Production workers .....	8,309	2,515	30.3	5.9	10.1	14.8	0.27	58.5	9,346	3,681	39.4 (3.8)	6.7 (1.7)	23.0 (3.2)	2.4 (1.2)	14.8 (2.5)	4,220	0.45 (0.08)
Transportation, material moving .....	4,488	1,295	28.8	3.8	12.1	15.8	0.28	60.6	5,178	1,753	33.9 (4.6)	5.9 (1.8)	18.4 (3.6)	1.6 (1.0)	12.9 (2.9)	1,426	0.28 (0.06)
Handler, equipment, cleaners, helpers, and laborers .....	1,989	519	26.1	3.1	10.3	11.7	0.21	46.9	3,474	731	21.0 (5.1)	4.6 (2.2)	6.8 (3.5)	1.7 (1.4)	5.0 (2.3)	594	0.17 (0.12)
Miscellaneous occupations .....	2,022	1,194	59.0	8.5	22.1	38.8	1.03	51.8	1,923	828	43.0 (8.6)	9.9 (4.3)	14.2 (4.6)	3.7 (2.3)	23.9 (6.8)	509	0.26 (0.08)
Annual family income																	
\$10,000 or less .....	9,776	3,224	33.0	6.1	15.6	12.6	0.25	50.9	5,248	1,646	31.4 (5.8)	7.8 (3.0)	9.5 (3.1)	1.9 (1.5)	13.2 (4.1)	787	0.15 (0.05)
\$10,001 to \$15,000 .....	6,183	2,389	38.6	7.2	19.5	15.1	0.37	59.1	5,281	1,597	30.2 (4.1)	8.3 (2.4)	8.3 (1.9)	2.5 (1.7)	12.9 (2.8)	751	0.14 (0.03)
\$15,001 to \$20,000 .....	7,321	3,040	41.5	8.0	18.2	20.1	0.42	52.8	6,061	2,511	41.4 (4.2)	8.2 (2.0)	16.3 (2.8)	1.9 (0.9)	17.1 (3.0)	1,705	0.28 (0.05)
\$20,001 to \$25,000 .....	7,832	3,164	40.4	7.4	19.3	20.4	0.48	53.1	8,595	3,618	42.1 (3.8)	8.4 (1.6)	18.8 (2.8)	4.4 (2.1)	19.8 (2.8)	3,568	0.42 (0.08)
\$25,001 to \$30,000 .....	10,133	4,803	47.4	8.8	21.4	24.7	0.54	55.8	11,848	4,863	41.0 (3.4)	9.8 (1.5)	22.2 (2.7)	2.7 (1.2)	15.3 (2.2)	5,396	0.46 (0.07)
\$30,001 to \$40,000 .....	19,617	9,734	49.6	8.9	21.9	30.2	0.76	50.2	18,961	9,589	50.6 (3.6)	15.2 (2.4)	26.6 (2.8)	2.3 (1.0)	21.3 (2.7)	11,137	0.59 (0.07)
\$40,001 to \$50,000 .....	15,115	8,127	53.8	8.0	22.9	34.7	0.82	48.3	16,577	9,005	54.3 (2.7)	14.7 (1.8)	32.3 (2.3)	2.6 (0.8)	24.9 (2.3)	11,569	0.70 (0.07)
\$50,001 to \$75,000 .....	23,006	13,288	57.8	8.9	23.7	40.0	1.02	48.3	28,433	17,356	61.0 (2.1)	13.1 (1.2)	36.6 (1.9)	2.5 (0.6)	31.4 (1.9)	24,629	0.87 (0.06)
More than \$75,000 .....	18,843	11,964	63.5	8.6	26.5	45.2	1.25	45.0	31,711	19,458	61.4 (1.9)	11.2 (1.1)	42.5 (1.8)	1.2 (0.3)	25.3 (1.5)	31,828	1.00 (0.06)

—Not available.

NOTE: Percent of career or job-related courses provided by businesses are based on the respondent's reports of the first six work-related courses taken. Adult education is defined as all education activities, except full-time enrollment in higher education credential programs. Examples of adult education activities include part-time college attendance, classes or seminars given by employers, and classes taken for adult literacy purposes, or for recreation and enjoyment.

Includes adult basic education and English as a second language classes. Data are based upon a sample survey of the civilian noninstitutional population. Data revised from previously published figures. Detail may not sum to totals due to rounding and survey item nonresponse.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey, "Participation in Adult Education," unpublished data. (This table was prepared June 2001.)