

In October 2003, 77 million persons used a computer at work, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. These workers accounted for 55.5 percent of total employment. About 2 of every 5 employed individuals connected to the Internet or used e-mail while on the job. These proportions were slightly higher than those measured in the prior survey conducted in September 2001. (See table A.)

These findings are from a special supplement to the October 2003 Current Population Survey (CPS). The CPS is a monthly household survey that is one of the main sources of information on the U.S. labor force. The Computer Use Survey also collected data on computer and Internet or e-mail use at home, school, and work as well as use of the Internet for job search. The data presented in this release focus on computer and Internet use at work and on job search methods using the Internet. For additional information about the survey, see the Technical Note. Some of the highlights from the 2003 survey include:

- The proportion of workers who used a computer at work was higher for women (61.8 percent) than for men (49.9 percent).
- Employed women had a greater likelihood of using the Internet at work than employed men (45.1 and 38.7 percent, respectively).
- Asians were more likely than whites, blacks, or Hispanics or Latinos to use a computer and the Internet at work.
- The likelihood of computer and Internet use at work is greater for workers with more education.
- In terms of occupation, there were large variations in the proportions of workers who used a computer at work. The computer-use rate was relatively high for managers and professionals (about 80 percent) and sales and office workers (67 percent). In contrast, about 26 percent of workers in natural resources, construction, and maintenance and production, transportation, and material moving occupations used a computer at work.
- The most commonly reported task for the 77 million workers who used a computer at work was accessing the Internet or using e-mail.

**Table A. Computer and Internet use at work by selected characteristics, September 2001 and October 2003**

	September 2001 <sup>r</sup>					October 2003				
	Total employed	Used a computer at work		Used the Internet at work		Total employed	Used a computer at work		Used the Internet at work	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
<b>AGE AND SEX</b>										
Total, 16 years and over .....	137,050	73,055	53.3	52,463	38.3	138,823	76,986	55.5	57,892	41.7
16 to 24 years .....	19,901	6,994	35.1	3,916	19.7	19,304	6,991	36.2	4,234	21.9
16 to 19 years .....	6,499	1,490	22.9	549	8.4	5,788	1,301	22.5	559	9.7
20 to 24 years .....	13,402	5,504	41.1	3,367	25.1	13,516	5,690	42.1	3,675	27.2
25 years and over .....	117,149	66,061	56.4	48,547	41.4	119,519	69,995	58.6	53,658	44.9
25 to 34 years .....	30,847	17,561	56.9	13,109	42.5	30,401	17,641	58.0	13,608	44.8
35 to 44 years .....	35,669	20,700	58.0	15,239	42.7	34,854	20,797	59.7	16,226	46.6
45 to 54 years .....	31,205	18,260	58.5	13,518	43.3	32,221	19,607	60.9	15,017	46.6
55 to 64 years .....	14,916	8,023	53.8	5,739	38.5	17,202	9,930	57.7	7,499	43.6
65 years and over .....	4,511	1,517	33.6	942	20.9	4,842	2,021	41.7	1,307	27.0
Men .....	73,511	35,023	47.6	26,298	35.8	74,353	37,124	49.9	28,788	38.7
Women .....	63,539	38,032	59.9	26,165	41.2	64,470	39,862	61.8	29,104	45.1
<b>RACE AND HISPANIC OR LATINO ETHNICITY</b>										
White .....	114,426	62,483	54.6	45,002	39.3	115,184	65,193	56.6	49,347	42.8
Black or African American .....	15,116	6,511	43.1	4,345	28.7	14,754	6,729	45.6	4,553	30.9
Asian .....	6,159	3,469	56.3	2,696	43.8	5,809	3,523	60.6	2,882	49.6
Hispanic or Latino ethnicity .....	c16,349	c5,211	c31.9	c3,210	c19.6	17,602	5,478	31.1	3,718	21.1
<b>FULL- OR PART-TIME STATUS</b>										
Usually full time on primary job .....	103,887	59,563	57.3	44,035	42.4	103,757	61,538	59.3	47,472	45.8
Usually part time on primary job .....	21,412	8,482	39.6	4,891	22.8	22,487	9,708	43.2	6,255	27.8
Hours vary on primary job .....	11,751	5,009	42.6	3,537	30.1	12,579	5,740	45.6	4,165	33.1
<b>EDUCATIONAL ATTAINMENT</b>										
Total, 25 years and over .....	117,149	66,061	56.4	48,547	41.4	119,519	69,995	58.6	53,658	44.9
Less than a high school diploma .....	11,737	1,875	16.0	876	7.5	11,520	1,810	15.7	899	7.8
High school graduates, no college <sup>1</sup> .....	35,880	14,440	40.2	8,627	24.0	36,065	15,208	42.2	9,521	26.4
Some college or associate degree .....	32,858	19,754	60.1	13,507	41.1	32,455	19,907	61.3	14,445	44.5
Bachelor's degree and higher <sup>2</sup> .....	36,675	29,992	81.8	25,537	69.6	39,479	33,071	83.8	28,793	72.9
Advanced degree .....	12,954	10,893	84.1	9,494	73.3	13,831	11,982	86.6	10,709	77.4

<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.

<sup>r</sup> = revised. Estimates for September 2001 have been revised to reflect the use of Census 2000-based population controls. See the Technical Note for additional information.

c = corrected.

NOTE: Data refer to computer and Internet use on the sole or primary job. Internet use at work refers to either connecting to the Internet or using e-mail. 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. In addition, persons whose ethnicity is Hispanic or Latino may be of any race and, therefore, are classified by ethnicity as well as by race.

- Slightly more than 1 in every 10 individuals in the civilian noninstitutional population age 16 and over reported that they had used the Internet between January and October 2003 to search for a job. (The concept of job search used in the survey is different from that used in the basic monthly CPS; see the Technical Note for more information.) Reading on-line ads and researching information on potential employers were the most commonly used Internet jobsearch methods used.

### Occupation and Industry

Managers and professionals were most likely to use a computer and the Internet; 79.6 percent reported that they used a computer at work and 67.1 percent used the Internet. Sales and office occupations also had high rates of computer and Internet use—over two-thirds reported using a computer at work and nearly half said they used the Internet. In contrast, computer- and Internet-use rates were lower for service workers (27.5 and 15.9 percent, respectively), for natural resources, construction, and maintenance workers (26.4 and 16.6 percent, respectively), and for production, transportation, and material moving workers (26.0 and 13.9 percent, respectively). (See table 2.)

As with occupations, there was a great deal of variation by industry with regard to the use of computers and the Internet. Among private nonagricultural industries, persons employed in financial activities had the highest rates of computer (82.4 percent) and Internet use (68.9 percent). In contrast, computer- and Internet-use rates were lowest in the leisure and hospitality (30.4 and 17.6 percent, respectively) and construction (28.1 and 21.0 percent, respectively) industries. (See table 2.)

Government workers had an above-average likelihood of using a computer and the Internet on the job. The proportions of workers in the public sector that used a computer and the Internet were 69.1 and 56.0 percent, respectively. By comparison, the computer- and Internet-use rates for private-sector workers were 53.5 and 39.3 percent, respectively. (See table 2.) The high computer- and Internet-use rates among government workers is due, in part, to their occupational concentration. For example, more than half of all workers in the public sector hold management and professional jobs, an occupational category characterized by very high rates of computer and Internet use. In contrast, the proportion of private-sector wage and salary workers employed as managers and professionals is much lower (30.9 percent).

### Demographics

The youngest and oldest workers were least likely to use a computer and the Internet on the job. Among workers ages 16 to 24 and 65 years and over, about one-third used a computer at work and only about 1 in every 5 said that they used the Internet. In contrast, about 60 percent of workers ages 25 to 64 used a computer on the job and almost half used the Internet. (See table 1.)

As was the case in the prior survey, women were more likely than men to use a computer and the Internet. Computer-use rates for women and men were 61.8 and 49.9 percent, respectively; the Internet-use rate for women was 45.1 percent, compared with 38.7 percent for men. (See table 1.) Although computer- and Internet-use rates for men and women are fairly similar within occupations, the greater likelihood of women to use a computer at work is due largely to their concentration in occupations in which computer use is most prevalent. For instance, nearly three-fourths of employed women are in management and professional and sales and office occupations; the computer-use rate for women in these two occupations combined was very high (74.8 percent). In contrast, nearly two-fifths of men hold natural resources, construction, and maintenance and production, transportation, and material moving jobs. For men, the combined computer-use rate in these two occupational categories was 26.0 percent—30 percentage points lower than the rate for all workers.

Computer use at work was more common among Asian workers (60.6 percent) and whites (56.6 percent) than among black (45.6 percent) or Hispanic or Latino workers (31.1 percent). In terms of Internet use, 49.6 percent of Asians used the Internet at work, compared with 42.8 percent of whites, 30.9 percent of blacks, and 21.1 percent of Hispanics or Latinos. (See table 1.)

With regard to educational attainment, workers with more years of schooling were much more likely than those with less education to use a computer and the Internet at work. For example, computer- and Internet-use rates for workers with advanced degrees were 86.6 and 77.4 percent, respectively. At the other end of the educational spectrum, only 15.7 percent of workers with less than a high school diploma used a computer on the job, and 7.8 percent used the Internet. (See table 1.)

### Computer Activity at Work

As was the case in the 2001 survey, the most common use for a computer at work was to access the Internet or to use e-mail. Of the 77 million workers who used a computer on the job, 75.2 percent reported that they used the computer to connect to the Internet or to use e-mail. Other common tasks included word processing (67.6 percent), working with spreadsheets or databases (64.2 percent), and calendar or scheduling (56.8 percent). Less common uses were graphics or design (29.7 percent) and programming (16.4 percent). (See table 3.)

In terms of occupation, workers in management and professional occupations, who were most likely to use a computer at work, also reported some of the highest proportions for specific uses of a computer. For instance, 84.4 percent used a computer to use the Internet or e-mail, 76.9 percent used word processing, and 70.7 percent used spreadsheets or databases. (See table 4.)

### Job Search Activity Using the Internet

In addition to questions concerning computer and Internet use on the job, the survey also collected information on Internet job search. (The concept of job search using the Internet differs from the concept of job search in the basic monthly CPS; see the Technical Note for more information.) Respondents were asked if they had used the Internet (at any location) to search for a job “that year”—from January to October 2003. Over this period, about 25.5 million individuals, or 11.5 percent of the civilian noninstitutional population age 16 and over, said that they had used the Internet to search for a job. Internet job search rates were highest for individuals in the 20-to-24 (21.2 percent), 25-to-34 (19.3 percent), and 35-to-44 year-old (14.3 percent) age groups. (See table 5.)

Men and women were about equally likely to have used the Internet to search for a job. Also, individuals with more years of schooling were much more likely than those with the lowest level of education to have used the Internet to search for a job. The Internet job search rate for college graduates was 17.6 percent, in contrast to only 2.2 percent for those with less than a high school diploma. (See table 5.)

Data on Internet job search activity by occupation and industry are shown in table 6. The estimates given are limited to the experienced labor force, that is, the sum of the employed and the unemployed whose last job was in one of the occupations or industries shown. Of the 146.5 million persons in this group in October 2003, 21.9 million, or 14.9 percent of the total, reported that they used the Internet to look for a job at some point between January and October 2003. Individuals in management and professional occupations had the highest rate of Internet job search—19.3 percent. Among the other major occupational categories, Internet jobsearch rates ranged from a low of 8.6 percent for natural resources, construction, and maintenance occupations to a high of 17.2 percent for sales and office occupations.

The most common job search methods reported by Internet jobseekers were reading on-line ads or job listings (92.6 percent) and researching information on potential employers (70.2 percent). Less common methods were submitting a resume or application (57.0 percent) and posting a resume on a job listing site or with a service (41.0 percent). This pattern of Internet job searching was similar, regardless of demographic characteristic, occupation, or industry. (See tables 5 and 6.)

**Table 1. Employed persons who used a computer and the Internet at work by selected characteristics, October 2003**

(Numbers in thousands)

Characteristic	Total employed	Used a computer at work		Used the Internet at work	
		Total	Percent of employed	Total	Percent of employed
<b>AGE AND SEX</b>					
Total, 16 years and over .....	138,823	76,986	55.5	57,892	41.7
16 to 24 years .....	19,304	6,991	36.2	4,234	21.9
16 to 19 years .....	5,788	1,301	22.5	559	9.7
20 to 24 years .....	13,516	5,690	42.1	3,675	27.2
25 years and over .....	119,519	69,995	58.6	53,658	44.9
25 to 34 years .....	30,401	17,641	58.0	13,608	44.8
35 to 44 years .....	34,854	20,797	59.7	16,226	46.6
45 to 54 years .....	32,221	19,607	60.9	15,017	46.6
55 to 64 years .....	17,202	9,930	57.7	7,499	43.6
65 years and over .....	4,842	2,021	41.7	1,307	27.0
Men .....	74,353	37,124	49.9	28,788	38.7
Women .....	64,470	39,862	61.8	29,104	45.1
<b>RACE AND HISPANIC OR LATINO ETHNICITY</b>					
White .....	115,184	65,193	56.6	49,347	42.8
Black or African American .....	14,754	6,729	45.6	4,553	30.9
Asian .....	5,809	3,523	60.6	2,882	49.6
Hispanic or Latino ethnicity .....	17,602	5,478	31.1	3,718	21.1
<b>FULL- OR PART-TIME STATUS</b>					
Usually full time on primary job .....	103,757	61,538	59.3	47,472	45.8
Usually part time on primary job .....	22,487	9,708	43.2	6,255	27.8
Hours vary on primary job .....	12,579	5,740	45.6	4,165	33.1
<b>EDUCATIONAL ATTAINMENT</b>					
Total, 25 years and over .....	119,519	69,995	58.6	53,658	44.9
Less than a high school diploma .....	11,520	1,810	15.7	899	7.8
High school graduates, no college <sup>1</sup> .....	36,065	15,208	42.2	9,521	26.4
Some college or associate degree .....	32,455	19,907	61.3	14,445	44.5
Bachelor's degree and higher <sup>2</sup> .....	39,479	33,071	83.8	28,793	72.9
Advanced degree .....	13,831	11,982	86.6	10,709	77.4

<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: Data refer to computer and Internet use on the sole or primary job. Internet use at work refers to either connecting to the Internet or using e-mail.

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. In addition, persons whose ethnicity is Hispanic or Latino may be of any race and, therefore, are classified by ethnicity as well as by race.

**Table 2. Employed persons who used a computer and the Internet at work by occupation and industry, October 2003**

(Numbers in thousands)

Occupation and industry	Total employed	Used a computer at work		Used the Internet at work	
		Total	Percent of employed	Total	Percent of employed
<b>OCCUPATION</b>					
Total, 16 years and over .....	138,823	76,986	55.5	57,892	41.7
Management, professional, and related occupations .....	48,252	38,398	79.6	32,391	67.1
Management, business, and financial operations occupations .....	19,600	15,842	80.8	13,938	71.1
Professional and related occupations .....	28,652	22,556	78.7	18,452	64.4
Service occupations .....	21,887	6,025	27.5	3,490	15.9
Sales and office occupations .....	35,492	23,874	67.3	16,990	47.9
Sales and related occupations .....	16,051	9,577	59.7	6,949	43.3
Office and administrative support occupations .....	19,441	14,297	73.5	10,041	51.6
Natural resources, construction, and maintenance occupations .....	15,003	3,965	26.4	2,497	16.6
Farming, fishing, and forestry occupations .....	1,270	140	11.0	79	6.3
Construction and extraction occupations .....	8,392	1,589	18.9	1,046	12.5
Installation, maintenance, and repair occupations .....	5,341	2,237	41.9	1,371	25.7
Production, transportation, and material moving occupations .....	18,189	4,723	26.0	2,525	13.9
Production occupations .....	9,736	2,878	29.6	1,577	16.2
Transportation and material moving occupations .....	8,454	1,845	21.8	948	11.2
<b>INDUSTRY</b>					
Total, 16 years and over .....	138,823	76,986	55.5	57,892	41.7
Private wage and salary workers .....	108,135	57,855	53.5	42,505	39.3
Agriculture and related industries .....	1,475	299	20.2	187	12.7
Nonagricultural industries .....	106,660	57,557	54.0	42,317	39.7
Mining .....	519	221	42.5	165	31.8
Construction .....	8,198	2,304	28.1	1,719	21.0
Manufacturing .....	16,420	8,521	51.9	6,416	39.1
Durable goods .....	10,179	5,540	54.4	4,192	41.2
Nondurable goods .....	6,241	2,981	47.8	2,224	35.6
Wholesale and retail trade .....	19,571	9,998	51.1	6,406	32.7
Transportation and utilities .....	5,167	2,462	47.6	1,741	33.7
Information .....	3,217	2,493	77.5	2,170	67.5
Financial activities .....	8,888	7,328	82.4	6,127	68.9
Professional and business services .....	11,485	7,850	68.4	6,554	57.1
Education and health services .....	17,063	10,620	62.2	7,297	42.8
Leisure and hospitality .....	10,288	3,126	30.4	1,815	17.6
Other services .....	5,844	2,635	45.1	1,907	32.6
Government workers .....	19,937	13,773	69.1	11,158	56.0
Federal .....	3,258	2,198	67.5	1,757	53.9
State .....	5,759	4,234	73.5	3,664	63.6
Local .....	10,920	7,341	67.2	5,737	52.5
Self-employed and unpaid family workers .....	10,751	5,357	49.8	4,229	39.3

NOTE: Data refer to computer and Internet use on the sole or primary job. Internet use at work refers to either connecting to the Internet or using e-mail.

**Table 3. Type of computer activity at work by selected characteristics, October 2003**

Characteristic	Employed persons who used a computer at work (in thousands)	Percent who used a computer for:					
		Word processing or desktop publishing	Internet or e-mail	Calendar or scheduling	Spreadsheets or databases	Graphics or design	Programming
<b>AGE AND SEX</b>							
Total, 16 years and over .....	76,986	67.6	75.2	56.8	64.2	29.7	16.4
16 to 24 years .....	6,991	57.2	60.6	47.8	54.8	21.6	12.4
16 to 19 years .....	1,301	44.8	43.0	41.3	43.9	18.3	12.5
20 to 24 years .....	5,690	60.1	64.6	49.3	57.3	22.3	12.4
25 years and over .....	69,995	68.7	76.7	57.7	65.1	30.5	16.8
25 to 34 years .....	17,641	68.9	77.1	59.9	67.0	31.0	18.4
35 to 44 years .....	20,797	69.9	78.0	60.8	68.4	32.3	18.4
45 to 54 years .....	19,607	69.2	76.6	57.2	64.5	30.5	16.1
55 to 64 years .....	9,930	66.2	75.5	52.3	59.5	28.0	13.8
65 years and over .....	2,021	60.3	64.7	39.2	48.9	19.8	8.2
Men .....	37,124	65.5	77.5	58.5	67.1	33.8	21.4
Women .....	39,862	69.6	73.0	55.3	61.5	25.9	11.8
<b>RACE AND HISPANIC OR LATINO ETHNICITY</b>							
White .....	65,193	68.0	75.7	56.6	64.8	30.1	15.9
Black or African American .....	6,729	61.6	67.7	56.5	55.2	24.1	16.6
Asian .....	3,523	73.7	81.8	62.1	69.5	32.0	25.3
Hispanic or Latino ethnicity .....	5,478	62.8	67.9	56.1	58.7	24.8	15.6
<b>FULL- OR PART-TIME STATUS</b>							
Usually full time on primary job .....	61,538	68.5	77.1	59.1	66.3	30.3	17.3
Usually part time on primary job .....	9,708	63.9	64.4	44.2	52.7	24.5	11.1
Hours vary on primary job .....	5,740	65.0	72.6	54.2	61.5	32.1	16.3
<b>EDUCATIONAL ATTAINMENT</b>							
Total, 25 years and over .....	69,995	68.7	76.7	57.7	65.1	30.5	16.8
Less than a high school diploma .....	1,810	43.7	49.7	40.4	45.0	15.8	11.4
High school graduates, no college <sup>1</sup> .....	15,208	53.1	62.6	47.6	53.8	19.1	12.0
Some college or associate degree .....	19,907	63.5	72.6	55.0	62.3	26.0	15.2
Bachelor's degree and higher <sup>2</sup> .....	33,071	80.3	87.1	65.0	73.1	39.3	20.3
Advanced degree .....	11,982	84.5	89.4	65.3	72.3	41.5	20.0

<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: Data refer to computer use on the sole or primary job. The percentage of persons who used computers for various activities may exceed 100 percent as persons may report multiple

activities. 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. In addition, persons whose ethnicity is Hispanic or Latino may be of any race and, therefore, are classified by ethnicity as well as by race.

**Table 4. Type of computer activity at work by occupation and industry, October 2003**

Occupation and industry	Employed persons who used a computer at work (in thousands)	Percent who used a computer for:					
		Word processing or desktop publishing	Internet or e-mail	Calendar or scheduling	Spreadsheets or databases	Graphics or design	Programming
<b>OCCUPATION</b>							
Total, 16 years and over .....	76,986	67.6	75.2	56.8	64.2	29.7	16.4
Management, professional, and related occupations .....	38,398	76.9	84.4	63.0	70.7	37.6	20.6
Management, business, and financial operations occupations .....	15,842	79.9	88.0	69.1	79.8	35.8	18.4
Professional and related occupations .....	22,556	74.8	81.8	58.7	64.4	38.9	22.1
Service occupations .....	6,025	55.0	57.9	48.5	48.5	19.9	11.9
Sales and office occupations .....	23,874	63.8	71.2	53.9	62.3	22.1	11.6
Sales and related occupations .....	9,577	60.6	72.6	53.3	61.0	26.2	11.6
Office and administrative support occupations ..	14,297	66.0	70.2	54.3	63.1	19.4	11.6
Natural resources, construction, and maintenance occupations .....	3,965	51.4	63.0	44.0	53.3	23.0	15.7
Farming, fishing, and forestry occupations .....	140	54.6	56.9	39.7	54.8	19.5	6.1
Construction and extraction occupations .....	1,589	60.9	65.8	43.9	56.6	25.9	12.8
Installation, maintenance, and repair occupations .....	2,237	44.4	61.3	44.3	50.8	21.1	18.3
Production, transportation, and material moving occupations .....	4,723	41.3	53.5	43.1	49.9	21.4	13.4
Production occupations .....	2,878	42.0	54.8	43.0	52.4	25.9	14.9
Transportation and material moving occupations .....	1,845	40.3	51.4	43.3	46.0	14.4	11.1
<b>INDUSTRY</b>							
Total, 16 years and over .....	76,986	67.6	75.2	56.8	64.2	29.7	16.4
Private wage and salary workers .....	57,855	65.0	73.5	57.5	64.4	27.8	16.8
Agriculture and related industries .....	299	64.4	62.7	38.5	57.6	14.2	9.2
Nonagricultural industries .....	57,557	65.0	73.5	57.6	64.4	27.9	16.8
Mining .....	221	66.4	75.0	55.1	76.9	35.7	12.7
Construction .....	2,304	70.8	74.6	52.6	67.0	30.6	15.2
Manufacturing .....	8,521	63.2	75.3	60.2	70.5	35.2	22.0
Durable goods .....	5,540	64.1	75.7	61.4	71.5	36.5	24.4
Nondurable goods .....	2,981	61.5	74.6	57.7	68.6	32.6	17.5
Wholesale and retail trade .....	9,998	52.8	64.1	49.6	58.8	20.4	12.5
Transportation and utilities .....	2,462	54.4	70.7	56.8	60.1	24.4	15.1
Information .....	2,493	73.2	87.0	64.2	70.6	38.1	23.9
Financial activities .....	7,328	71.0	83.6	61.2	72.0	24.3	15.8
Professional and business services .....	7,850	75.8	83.5	65.6	74.1	36.2	24.1
Education and health services .....	10,620	66.1	68.7	56.1	54.8	23.4	13.1
Leisure and hospitality .....	3,126	56.3	58.0	53.4	54.2	21.7	10.9
Other services .....	2,635	71.0	72.4	56.8	61.9	34.1	16.1
Government workers .....	13,773	76.2	81.0	56.2	64.0	33.8	15.1
Federal .....	2,198	70.8	79.9	57.0	68.5	31.6	17.0
State .....	4,234	79.4	86.5	60.2	68.3	35.6	17.5
Local .....	7,341	75.9	78.2	53.7	60.1	33.4	13.1
Self-employed and unpaid family workers .....	5,357	74.3	79.0	50.9	62.8	39.4	16.1

NOTE: Data refer to computer use on the sole or primary job. The percentage of persons who use computers for various activities may exceed 100 percent as persons may report multiple activities.

**Table 5. Job search activity<sup>1</sup> using the Internet by selected characteristics, October 2003**

(Numbers in thousands)

Characteristic	Total civilian noninstitutional population			Job search activity of persons who used the Internet to search for a job (percent)			
	Total	Total who used the Internet to search for a job	Percent of total	Read on-line ads or searched on-line job listings	Researched information on potential employers	Submitted a resume or application	Posted a resume on a job listing site or with a service
<b>AGE AND SEX</b>							
Total, 16 years and over .....	222,039	25,459	11.5	92.6	70.2	57.0	41.0
16 to 24 years .....	36,017	5,676	15.8	92.0	63.4	55.1	39.2
16 to 19 years .....	16,145	1,470	9.1	88.9	51.1	46.3	27.9
20 to 24 years .....	19,872	4,206	21.2	93.1	67.7	58.2	43.1
25 years and over .....	186,022	19,784	10.6	92.8	72.2	57.5	41.6
25 to 34 years .....	39,094	7,538	19.3	93.7	74.9	60.0	42.6
35 to 44 years .....	43,670	6,228	14.3	92.8	71.3	57.3	41.4
45 to 54 years .....	40,760	4,163	10.2	91.9	70.5	55.6	41.7
55 to 64 years .....	28,112	1,595	5.7	91.1	68.0	53.1	38.1
65 years and over .....	34,385	260	.8	91.4	68.4	47.4	35.3
Men .....	106,879	12,460	11.7	92.4	73.5	59.8	42.8
Women .....	115,160	12,999	11.3	92.9	67.1	54.3	39.4
<b>RACE AND HISPANIC OR LATINO ETHNICITY</b>							
White .....	181,871	20,310	11.2	92.3	70.1	56.1	39.5
Black or African American .....	25,825	3,120	12.1	93.7	70.8	62.3	49.2
Asian .....	9,328	1,297	13.9	93.5	73.5	60.0	45.2
Hispanic or Latino ethnicity .....	27,913	2,304	8.3	92.1	68.5	55.9	42.2
<b>EDUCATIONAL ATTAINMENT</b>							
Total, 25 years and over .....	186,022	19,784	10.6	92.8	72.2	57.5	41.6
Less than a high school diploma .....	27,757	619	2.2	92.9	60.0	52.9	35.0
High school graduates, no college <sup>2</sup> .....	59,569	3,846	6.5	93.3	63.7	51.7	39.4
Some college or associate degree .....	46,741	6,200	13.3	93.2	69.1	55.5	40.6
Bachelor's degree and higher <sup>3</sup> .....	51,954	9,119	17.6	92.3	78.8	61.6	43.6
Advanced degree .....	17,846	2,868	16.1	90.8	80.9	60.6	41.8

<sup>1</sup> Refers to use of the Internet to search for a job "this year," that is, from January to October 2003.

<sup>2</sup> Includes persons with a high school diploma or equivalent.

<sup>3</sup> Includes persons with bachelor's, master's, professional, and doctoral degrees.

NOTE: The percentage of persons performing each activity

may exceed 100 percent as persons may perform more than one activity. 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. In addition, persons whose ethnicity is Hispanic or Latino may be of any race and, therefore, are classified by ethnicity as well as by race.

**Table 6. Job search activity<sup>1</sup> using the Internet by occupation and industry, October 2003**

(Numbers in thousands)

Occupation and industry	Experienced labor force			Job search activity of persons who used the Internet to search for a job (percent)			
	Total	Total who used the Internet to search for a job	Percent of total	Read on-line ads or searched on-line job listings	Researched information on potential employers	Submitted a resume or application	Posted a resume on a job listing site or with a service
<b>OCCUPATION</b>							
Total, 16 years and over .....	146,532	21,877	14.9	92.9	71.6	58.2	42.2
Management, professional, and related occupations .....	49,744	9,620	19.3	92.7	76.3	59.8	43.7
Management, business, and financial operations occupations .....	20,225	3,648	18.0	93.8	80.8	64.0	47.1
Professional and related occupations .....	29,519	5,972	20.2	92.1	73.5	57.3	41.6
Service occupations .....	23,616	2,591	11.0	91.3	65.1	52.9	35.6
Sales and office occupations .....	37,536	6,456	17.2	93.2	69.9	59.0	43.4
Sales and related occupations .....	17,080	2,762	16.2	92.1	72.2	59.3	43.6
Office and administrative support occupations ..	20,456	3,694	18.1	94.0	68.2	58.8	43.2
Natural resources, construction, and maintenance occupations .....	16,084	1,386	8.6	93.6	65.4	57.3	40.3
Farming, fishing, and forestry occupations .....	1,387	61	4.4	99.0	76.1	71.0	35.4
Construction and extraction occupations .....	9,046	715	7.9	93.0	64.0	55.6	37.0
Installation, maintenance, and repair occupations .....	5,652	610	10.8	93.9	66.0	57.8	44.6
Production, transportation, and material moving occupations .....	19,522	1,803	9.2	94.8	66.1	55.2	40.9
Production occupations .....	10,429	878	8.4	95.1	65.8	54.9	43.1
Transportation and material moving occupations .....	9,094	925	10.2	94.4	66.3	55.5	38.7
<b>INDUSTRY</b>							
Total, 16 years and over .....	146,532	21,877	14.9	92.9	71.6	58.2	42.2
Private wage and salary workers .....	114,995	17,710	15.4	93.3	72.0	59.5	43.5
Agriculture and related industries .....	1,613	85	5.3	94.7	67.1	55.3	36.4
Nonagricultural industries .....	113,382	17,625	15.5	93.3	72.0	59.5	43.5
Mining .....	551	61	11.0	90.2	62.8	53.7	36.1
Construction .....	8,852	813	9.2	93.0	66.4	55.4	39.5
Manufacturing .....	17,478	2,367	13.5	94.8	72.3	59.7	46.3
Durable goods .....	10,875	1,603	14.7	95.1	71.4	59.0	47.3
Nondurable goods .....	6,604	764	11.6	94.1	74.2	61.2	44.0
Wholesale and retail trade .....	20,778	3,087	14.9	93.5	69.0	58.9	42.3
Transportation and utilities .....	5,429	702	12.9	93.9	76.7	61.1	39.1
Information .....	3,400	788	23.2	94.7	81.9	63.3	45.0
Financial activities .....	9,198	1,774	19.3	94.1	75.9	64.2	48.0
Professional and business services .....	12,517	2,803	22.4	94.6	76.5	66.7	51.2
Education and health services .....	17,713	2,945	16.6	91.6	69.6	54.9	39.2
Leisure and hospitality .....	11,236	1,572	14.0	90.4	66.9	51.7	35.8
Other services .....	6,229	711	11.4	91.7	68.9	57.2	41.2
Government workers .....	20,445	3,114	15.2	92.0	69.1	51.3	34.7
Federal .....	3,402	661	19.4	90.7	70.8	55.4	40.4
State .....	5,869	1,009	17.2	92.4	65.2	43.8	29.3
Local .....	11,174	1,445	12.9	92.3	70.9	54.6	35.8
Self-employed and unpaid family workers .....	11,092	1,053	9.5	89.5	72.4	57.5	42.1

<sup>1</sup> Refers to use of the Internet to search for a job "this year," that is, from January to October 2003.

NOTE: Data refer to computer and Internet use on the sole or primary job.