

## CHAPTER 7

# Libraries and Educational Technology

This chapter contains statistics on libraries and the use of information technologies. These data show the extent of America's public access to information technologies outside of formal classroom activities. The data also provide a capsule description of the magnitude and availability of library resources.

The first section of the chapter (tables 418 to 420 and 422 to 425) deals with public libraries, public and private school libraries, and college and university libraries. It contains data on collections, population served, staff, and expenditures. Table 423 provides institutional-level information for the largest college libraries in the country.

The second part of the chapter (tables 421 and 426 to 430) provides information on the availability and use of technology at school and at work. For example, the proportion of children using computers at school is shown over time. Also included are data on the use of home computers and the Internet by adults and school children, with comparisons among various demographic groups.

Related data may be found in other chapters of the *Digest*. For example, statistics on the number of degrees conferred in computer and information sciences and library sciences are in chapter 3. Further information on survey methodologies is in the Guide to Sources in the appendix and the publications cited in the source notes.

### Libraries

In 1999–2000, there were 95 school library visits each week per 100 public school students (table 418). Public elementary school students were more likely to visit their school libraries (107 visits per 100 students each week) than secondary school students (73 per 100). There was no difference detected between the number of visits per week at public (95 visits per week) and private schools (95 visits per week). The average number of library staff per school was 1.9 at public schools and 1.2 at private schools. On average, public school libraries had smaller numbers of books on a per student basis (1,803 per 100) than private school libraries (2,857 per 100 students) in 1999–2000. Public elementary school libraries had larger holdings than public secondary schools on a per student basis (1,894 per 100 students, compared to 1,606 per 100 students),

and elementary school students checked out more books on a per student basis (1.5 per week compared to .3 per week).

College library resources rose faster than enrollment between 1987–88 and 1997–98 (table 422). The average library operating expenditure per student rose 7 percent in constant dollars from \$419 in 1987–88 to \$450 in 1997–98.

In 2001, there were 9,129 public libraries in the United States with a total of 767 million books and serial volumes. The annual attendance per capita was 4.3, and the reference transactions per capita were 1.1 (table 425).

### Educational Technology

There has been widespread introduction of computers into the schools in recent years. In 2002, the average public school contained 131 instructional computers (table 421). One important technological advance that has come to classrooms following the introduction of computers has been connections to the Internet. The proportion of instructional rooms with Internet access increased from 51 percent in 1998 to 92 percent in 2002 (figure 30). About 99 percent of schools had access to the Internet in 2002.

The increasing number of computers in schools has been reflected in rising proportions of students using computers (table 429). The proportion of elementary and secondary school students using computers at school rose from 70 percent in 1997 to 84 percent in 2001. Students in elementary and secondary schools who were 10 years old or older were more likely to use computers at school than younger children. Eighty-two percent of children from families with incomes of \$20,000 to \$24,999 used computers at school compared to 87 percent of children from families with incomes of \$75,000 or more.

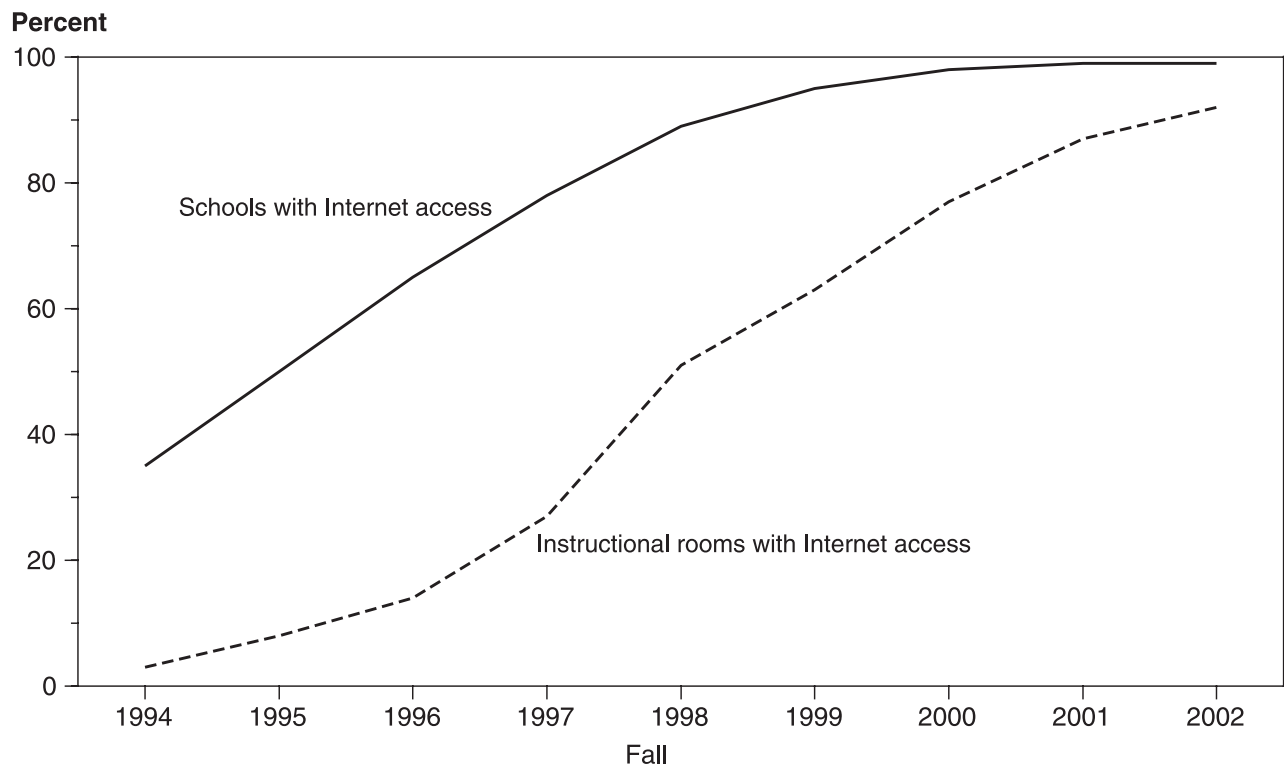
In addition to large proportions of elementary and secondary students using computers at school, a majority of students in 2001 used computers at home, though fewer actually used them for school work (table 429). In 2001, 66 percent of elementary and secondary school students used computers at home, compared to 43 percent in 1997. During the same period of time, the proportion of students using computers at home for school work rose from 25 to 45 percent. In 2001, female students were slightly

more likely to use computers at home for school work than males. About 53 percent of White elementary and secondary schools students used computers at home for school work in 2001 compared to 29 percent of Black students and 28 percent of Hispanic students. Use of computers at home for school work was strongly associated with income. About 64 percent of students from families with an income of \$75,000 or more used a computer at home for school work compared to 28 percent of students from families with incomes of \$20,000 to \$24,999.

The proportion of college students using computers in their classes rose from 63 percent in 1997 to 79 percent in 2001. About 69 percent used computers at home to do their school work in 2001 (table 429).

Computers are widely used in the workplace. In 2001, 54 percent of all workers used computers on the job (table 430). More frequent use of computers was associated with higher levels of education and higher incomes. Thirty-nine percent of high school graduates and 16 percent of high school dropouts used computers at work compared to 80 to 85 percent of those with bachelor's, master's degrees, first-professional, or doctor's degrees. Among the most common applications for all employees using computers on the job were: Internet and e-mail (72 percent), word processing/desktop publishing (67 percent), spreadsheets and databases (63 percent), and calendar/schedule (53 percent). Elementary and secondary teachers were less likely to use computers than persons employed in other managerial or professional fields.

**Figure 30. Percent of all public schools and instructional rooms with Internet access: Fall 1994 to fall 2002**



SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Internet Access in Public Schools and Classrooms: 1994–2002*.

Table 418. Selected statistics on school library/media centers, by control and level of school: 1999-2000

| Selected statistic   | Public          |                 |                 |                 |                 |                 | Private         |                 |  |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
|  | Total           | Elementary      | Secondary       | Combined        | Total           | Elementary      | Secondary       | Combined        |  |
|  | 2               | 3               | 4               | 5               | 6               | 7               | 8               | 9               |  |
| 1  | 77,288 (420.6)  | 57,024 (376.9)  | 18,039 (199.4)  | 2,226 (111.7)   | 17,054 (323.2)  | 10,961 (251.4)  | 1,955 (91.2)    | 4,138 (173.8)   |  |
| <b>Number of schools with libraries<sup>1</sup></b>                              |                 |                 |                 |                 |                 |                 |                 |                 |  |
| <b>Average number of staff per library<sup>1</sup></b>                           |                 |                 |                 |                 |                 |                 |                 |                 |  |
| Total  | 1.89 (0.018)    | 1.80 (0.024)    | 2.21 (0.021)    | 1.50 (0.057)    | 1.18 (0.026)    | 1.01 (0.032)    | 1.80 (0.083)    | 1.33 (0.055)    |  |
| Certified library/media specialists  | 0.81 (0.007)    | 0.74 (0.009)    | 1.06 (0.009)    | 0.63 (0.032)    | 0.23 (0.011)    | 0.13 (0.009)    | 0.55 (0.027)    | 0.35 (0.027)    |  |
| Full-time  | 0.65 (0.007)    | 0.56 (0.009)    | 0.94 (0.011)    | 0.52 (0.031)    | 0.17 (0.009)    | 0.07 (0.007)    | 0.47 (0.025)    | 0.27 (0.022)    |  |
| Part-time  | 0.16 (0.006)    | 0.17 (0.008)    | 0.12 (0.006)    | 0.10 (0.011)    | 0.06 (0.005)    | 0.06 (0.006)    | 0.07 (0.010)    | 0.08 (0.013)    |  |
| Other professional staff   | 0.17 (0.007)    | 0.18 (0.009)    | 0.15 (0.007)    | 0.23 (0.021)    | 0.48 (0.014)    | 0.47 (0.020)    | 0.53 (0.039)    | 0.46 (0.024)    |  |
| Full-time  | 0.12 (0.005)    | 0.12 (0.007)    | 0.10 (0.007)    | 0.12 (0.014)    | 0.25 (0.009)    | 0.19 (0.012)    | 0.20 (0.023)    | 0.27 (0.020)    |  |
| Part-time  | 0.06 (0.004)    | 0.06 (0.006)    | 0.05 (0.005)    | 0.11 (0.019)    | 0.22 (0.012)    | 0.29 (0.017)    | 0.30 (0.029)    | 0.19 (0.017)    |  |
| Other paid employees   | 0.91 (0.014)    | 0.88 (0.019)    | 1.00 (0.017)    | 0.65 (0.035)    | 0.48 (0.014)    | 0.41 (0.020)    | 0.72 (0.048)    | 0.52 (0.030)    |  |
| Full-time  | 0.49 (0.008)    | 0.44 (0.010)    | 0.67 (0.016)    | 0.34 (0.024)    | 0.14 (0.009)    | 0.11 (0.011)    | 0.24 (0.024)    | 0.18 (0.015)    |  |
| Part-time  | 0.41 (0.014)    | 0.44 (0.018)    | 0.33 (0.013)    | 0.31 (0.026)    | 0.34 (0.014)    | 0.31 (0.018)    | 0.48 (0.043)    | 0.34 (0.025)    |  |
| <b>Percentage of schools' library media centers with the following equipment</b> |                 |                 |                 |                 |                 |                 |                 |                 |  |
| Telephone  | 84.8 (0.53)     | 82.8 (0.69)     | 91.5 (0.46)     | 81.9 (1.94)     | 53.2 (1.48)     | 45.3 (2.02)     | 78.2 (2.67)     | 62.3 (2.25)     |  |
| Fax machine  | 11.5 (0.43)     | 8.1 (0.55)      | 22.2 (0.65)     | 12.1 (1.52)     | 6.7 (0.64)      | 4.8 (0.82)      | 13.6 (1.38)     | 8.7 (1.50)      |  |
| Automated catalog  | 72.8 (0.69)     | 71.0 (0.87)     | 80.0 (0.78)     | 61.5 (2.72)     | 34.2 (1.25)     | 28.1 (1.54)     | 55.8 (2.61)     | 39.9 (2.25)     |  |
| Automated circulation system   | 74.4 (0.65)     | 73.2 (0.88)     | 79.9 (0.72)     | 59.5 (3.10)     | 29.0 (1.17)     | 22.9 (1.31)     | 52.3 (2.48)     | 33.9 (2.33)     |  |
| Video laser disc   | 43.0 (0.69)     | 41.8 (0.87)     | 47.7 (0.88)     | 35.1 (2.70)     | 12.7 (0.67)     | 10.4 (0.99)     | 21.2 (1.79)     | 15.0 (1.40)     |  |
| Connection to Internet   | 90.1 (0.57)     | 87.9 (0.75)     | 96.9 (0.72)     | 88.7 (1.59)     | 60.6 (1.37)     | 55.1 (1.77)     | 81.6 (2.46)     | 65.2 (2.05)     |  |
| Cable television   | 77.4 (0.66)     | 76.6 (0.83)     | 82.2 (0.66)     | 58.5 (3.21)     | 46.3 (1.21)     | 48.2 (1.68)     | 57.6 (2.44)     | 36.1 (1.91)     |  |
| Broadcast television   | 43.4 (0.76)     | 43.9 (1.00)     | 42.9 (0.90)     | 34.8 (2.51)     | 48.0 (1.32)     | 52.5 (1.67)     | 42.4 (2.67)     | 38.6 (2.64)     |  |
| Closed circuit television  | 25.0 (0.67)     | 23.3 (0.84)     | 30.8 (0.82)     | 20.5 (2.16)     | 7.9 (0.49)      | 6.5 (0.68)      | 19.2 (1.21)     | 6.4 (0.95)      |  |
| Satellite dish   | 27.9 (0.60)     | 20.5 (0.71)     | 49.9 (0.93)     | 36.2 (2.79)     | 8.9 (0.58)      | 5.4 (0.74)      | 28.0 (1.71)     | 9.1 (1.04)      |  |
| <b>Percentage of schools where—</b>  |                 |                 |                 |                 |                 |                 |                 |                 |  |
| Long distance learning offered   | 21.2 (0.48)     | 15.2 (0.61)     | 38.1 (0.79)     | 38.3 (2.76)     | 8.3 (0.78)      | 7.3 (1.08)      | 15.6 (2.09)     | 7.7 (1.16)      |  |
| Students permitted to check out computer hardware                                | 2.2 (0.14)      | 1.2 (0.16)      | 5.5 (0.41)      | 1.9 (0.48)      | 1.0 (0.17)      | 0.9 (0.25)      | 2.2 (0.41)      | 1.0 (0.29)      |  |
| Students permitted to check out computer software                                | 6.9 (0.31)      | 4.5 (0.36)      | 14.3 (0.69)     | 7.5 (1.07)      | 6.9 (0.57)      | 3.8 (0.50)      | 16.6 (1.53)     | 10.5 (1.59)     |  |
| Total students using library per 100 students each week <sup>1,2</sup>           | 94.9 (0.88)     | 106.6 (1.12)    | 73.4 (1.05)     | 80.0 (4.47)     | 94.9 (5.96)     | 105.1 (10.88)   | 90.3 (2.57)     | 77.9 (2.41)     |  |
| Books checked out per 100 students each week <sup>2</sup>                        | 106.6 (1.63)    | 146.8 (2.46)    | 32.3 (1.36)     | 64.2 (4.83)     | 88.8 (3.81)     | 123.0 (5.56)    | 22.7 (1.40)     | 64.2 (5.17)     |  |
| <b>Average holdings per 100 students at the end of the 1999-2000 school year</b> |                 |                 |                 |                 |                 |                 |                 |                 |  |
| Books (number of volumes)  | 1,803 (19.7)    | 1,894 (26.6)    | 1,606 (25.8)    | 2,190 (166.6)   | 2,857 (84.8)    | 2,801 (86.0)    | 2,737 (178.3)   | 3,043 (213.2)   |  |
| Video materials (tape and disc)  | 51 (0.8)        | 51 (1.1)        | 51 (1.3)        | 69 (6.1)        | 71 (2.5)        | 66 (3.3)        | 72 (6.0)        | 81 (5.8)        |  |
| CD-ROM titles  | 8 (0.3)         | 10 (0.5)        | 5 (0.3)         | 9 (1.4)         | 10 (0.6)        | 10 (0.8)        | 10 (1.3)        | 10 (1.0)        |  |
| <b>Expenditures (all sources) per student, 1999-2000<sup>1</sup></b>             |                 |                 |                 |                 |                 |                 |                 |                 |  |
| Total, library/media materials   | \$23.37 (0.438) | \$22.99 (0.634) | \$23.84 (0.461) | \$27.93 (2.508) | \$29.02 (1.050) | \$23.60 (1.646) | \$38.72 (1.582) | \$33.40 (1.831) |  |
| Books  | 9.97 (0.153)    | 10.47 (0.229)   | 8.95 (0.174)    | 11.03 (0.713)   | 10.57 (0.625)   | 9.29 (1.115)    | 11.16 (0.472)   | 12.66 (0.834)   |  |
| Video materials  | 1.07 (0.022)    | 1.04 (0.029)    | 1.13 (0.025)    | 1.20 (0.108)    | 1.34 (0.051)    | 1.04 (0.057)    | 1.51 (0.106)    | 1.83 (0.153)    |  |
| CD-ROM titles  | 0.59 (0.020)    | 0.55 (0.028)    | 0.64 (0.023)    | 0.94 (0.193)    | 0.82 (0.056)    | 0.72 (0.081)    | 1.15 (0.109)    | 0.81 (0.081)    |  |
| Current serial subscriptions   | 1.26 (0.016)    | 0.98 (0.018)    | 1.75 (0.032)    | 1.98 (0.184)    | 1.34 (0.035)    | 0.62 (0.030)    | 2.71 (0.120)    | 1.86 (0.098)    |  |
| Electronic subscriptions   | 0.81 (0.018)    | 0.32 (0.023)    | 1.74 (0.042)    | 0.94 (0.111)    | 1.35 (0.056)    | 0.17 (0.036)    | 3.85 (0.213)    | 2.08 (0.124)    |  |
| Microcomputer hardware   | 7.48 (0.306)    | 7.31 (0.390)    | 7.68 (0.373)    | 9.59 (1.744)    | 11.54 (0.843)   | 10.50 (1.298)   | 14.85 (1.030)   | 11.57 (1.278)   |  |
| Other audiovisual equipment  | 2.19 (0.181)    | 2.32 (0.274)    | 1.94 (0.071)    | 2.25 (0.258)    | 2.06 (0.114)    | 1.27 (0.097)    | 3.68 (0.406)    | 2.58 (0.196)    |  |

<sup>1</sup>Public school data include charter schools.  
<sup>2</sup>During the most recent full week of school.  
NOTE: Percentages are based on schools that have library/media centers. Standard errors appear in parentheses.  
Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Library Media Center Questionnaire," 1999-2000; "Public Charter School Questionnaire," 1999-2000; and "Private School Library Media Center Questionnaire," 1999-2000, unpublished data. (This table was prepared August 2004.)



**Table 420. Selected statistics on public school library/media centers, by state: 1999–2000**

| State                      | Percent of centers offering selected services/equipment |                              |                            |                         | Average number of staff per library <sup>1,2</sup> | Total students using library per 100 students each week <sup>2,3</sup> | Books checked out per 100 students each week <sup>3</sup> | Books held at end of year per 100 students | Total expenditures for materials per student <sup>2</sup> |
|----------------------------|---|------------------------------|----------------------------|-------------------------|--|--|---|--|---|
|                            | Automated catalog                                       | Automated circulation system | Connection to the Internet | Video laser disk or DVD |  |  |   |  |   |
| 1                          | 2   | 3                            | 4                          | 5                       | 6  | 7  | 8   | 9  | 10  |
| <b>United States</b> ..... | <b>72.8 (0.69)</b>                                      | <b>74.4 (0.65)</b>           | <b>90.1 (0.57)</b>         | <b>43.0 (0.68)</b>      | <b>1.89 (0.018)</b>                                | <b>94.9 (0.88)</b>   | <b>106.6 (1.63)</b>                                       | <b>1,803 (19.7)</b>                        | <b>\$23.37 (0.438)</b>                                    |
| Alabama .....              | 83.7 (2.53)   | 85.4 (2.30)                  | 85.1 (2.92)                | 40.6 (4.09)             | 1.76 (0.039)                                       | 102.4 (5.40)   | 119.3 (9.04)  | 1,908 (158.4)                              | 17.08 (0.870)   |
| Alaska .....               | 76.1 (2.79)   | 67.4 (3.17)                  | 91.6 (1.84)                | 35.4 (2.87)             | 1.43 (0.061)                                       | 97.5 (2.78)  | 137.5 (14.08)   | 2,855 (90.7)                               | 25.46 (2.353)   |
| Arizona .....              | 86.1 (3.39)   | 88.5 (3.17)                  | 91.6 (2.40)                | 51.4 (4.19)             | 1.97 (0.061)                                       | 92.4 (4.99)  | 113.0 (11.08)   | 1,897 (147.1)                              | 15.73 (1.050)   |
| Arkansas .....             | 75.8 (3.47)   | 79.9 (3.04)                  | 86.6 (3.23)                | 23.0 (2.52)             | 1.50 (0.042)                                       | 94.8 (3.98)  | 115.6 (8.40)  | 2,038 (82.4)                               | 22.38 (2.309)   |
| California .....           | 66.5 (3.63)   | 76.7 (3.21)                  | 71.3 (3.83)                | 37.8 (3.57)             | 1.73 (0.068)                                       | 75.9 (2.51)  | 86.7 (5.17)   | 1,399 (85.8)                               | 17.66 (1.272)   |
| Colorado .....             | 86.9 (2.65)   | 86.3 (2.45)                  | 96.8 (1.27)                | 41.6 (4.21)             | 1.99 (0.077)                                       | 107.3 (5.34)   | 100.9 (5.45)  | 1,758 (90.4)                               | 25.68 (2.551)   |
| Connecticut .....          | 57.2 (2.73)   | 59.8 (2.83)                  | 87.2 (2.31)                | 42.9 (3.80)             | 2.06 (0.062)                                       | 102.0 (2.40)   | 87.9 (6.06)   | 2,092 (126.3)                              | 27.74 (1.341)   |
| Delaware .....             | 80.3 (3.53)   | 88.7 (2.99)                  | 97.3 (1.10)                | 35.0 (4.39)             | 1.51 (0.073)                                       | 85.1 (3.59)  | 63.2 (9.15)   | 1,435 (76.3)                               | 18.94 (2.573)   |
| District of Columbia ..... | 33.8 (3.03)   | 35.4 (3.46)                  | 78.1 (2.93)                | 26.7 (3.34)             | 1.16 (0.030)                                       | 64.7 (2.53)  | 36.2 (4.52)   | 2,066 (184.0)                              | 12.59 (1.710)   |
| Florida .....              | 94.1 (1.48)   | 96.8 (0.99)                  | 95.1 (1.22)                | 90.6 (1.53)             | 2.53 (0.192)                                       | 93.7 (4.81)  | 101.1 (6.97)  | 1,567 (102.0)                              | 31.24 (5.676)   |
| Georgia .....              | 99.7 (0.29)   | 99.7 (0.29)                  | 96.3 (1.56)                | 71.4 (3.42)             | 2.33 (0.122)                                       | 111.1 (6.45)   | 119.4 (7.67)  | 1,586 (53.5)                               | 24.39 (1.426)   |
| Hawaii .....               | 87.9 (2.62)   | 94.0 (1.95)                  | 96.8 (1.43)                | 50.6 (4.15)             | 1.54 (0.049)                                       | 87.3 (3.15)  | 113.7 (12.93)   | 1,622 (37.5)                               | 14.31 (1.214)   |
| Idaho .....                | 79.4 (2.38)   | 82.9 (2.13)                  | 95.6 (1.46)                | 30.5 (2.55)             | 1.75 (0.038)                                       | 122.9 (3.09)   | 202.4 (12.44)   | 2,374 (122.9)                              | 49.49 (2.183)   |
| Illinois .....             | 61.4 (3.70)   | 59.9 (3.76)                  | 89.6 (2.25)                | 34.9 (4.09)             | 2.03 (0.103)                                       | 95.0 (3.47)  | 82.9 (6.55)   | 1,545 (76.2)                               | 22.54 (1.727)   |
| Indiana .....              | 70.0 (3.75)   | 72.9 (4.18)                  | 89.0 (2.61)                | 50.2 (3.84)             | 1.93 (0.045)                                       | 95.3 (2.15)  | 114.2 (7.93)  | 2,177 (173.4)                              | 23.93 (1.683)   |
| Iowa .....                 | 75.1 (3.31)   | 70.3 (3.90)                  | 97.2 (1.13)                | 41.0 (3.86)             | 2.36 (0.244)                                       | 133.0 (4.98)   | 140.9 (8.98)  | 2,517 (74.0)                               | 26.52 (1.683)   |
| Kansas .....               | 76.4 (3.99)   | 77.4 (4.00)                  | 94.8 (2.36)                | 43.3 (3.90)             | 1.85 (0.053)                                       | 119.3 (5.08)   | 182.7 (12.96)   | 2,637 (104.3)                              | 25.72 (1.222)   |
| Kentucky .....             | 77.9 (3.96)   | 77.3 (4.16)                  | 97.9 (1.07)                | 49.7 (4.25)             | 1.64 (0.064)                                       | 119.2 (8.64)   | 123.7 (8.25)  | 1,758 (47.2)                               | 30.43 (3.961)   |
| Louisiana .....            | 53.5 (4.84)   | 62.5 (5.45)                  | 88.0 (3.86)                | 25.8 (3.85)             | 1.27 (0.088)                                       | 75.3 (3.73)  | 71.7 (7.48)   | 1,602 (63.9)                               | 15.23 (2.208)   |
| Maine .....                | 54.4 (4.54)   | 52.8 (4.82)                  | 99.3 (0.63)                | 15.5 (1.95)             | 1.73 (0.066)                                       | 102.5 (2.74)   | 102.5 (6.89)  | 2,931 (224.6)                              | 26.00 (1.233)   |
| Maryland .....             | 83.3 (3.21)   | 81.4 (3.52)                  | 94.5 (2.28)                | 50.4 (6.04)             | 1.68 (0.093)                                       | 82.6 (3.02)  | 130.3 (39.71)   | 1,401 (61.5)                               | 28.47 (4.900)   |
| Massachusetts .....        | 54.0 (3.83)   | 49.8 (3.67)                  | 96.8 (1.28)                | 31.9 (5.21)             | 1.87 (0.078)                                       | 83.7 (2.89)  | 63.8 (4.46)   | 1,635 (68.9)                               | 18.76 (1.091)   |
| Michigan .....             | 69.5 (4.08)   | 68.1 (4.04)                  | 84.1 (2.89)                | 44.6 (4.21)             | 1.76 (0.097)                                       | 93.5 (3.80)  | 92.2 (7.03)   | 1,703 (68.0)                               | 23.18 (2.222)   |
| Minnesota .....            | 91.1 (2.56)   | 91.8 (2.80)                  | 95.9 (1.21)                | 43.3 (5.38)             | 2.43 (0.097)                                       | 126.8 (9.32)   | 127.3 (12.41)   | 2,486 (174.2)                              | 36.34 (6.738)   |
| Mississippi .....          | 70.7 (2.94)   | 76.2 (2.41)                  | 89.8 (2.28)                | 29.2 (2.61)             | 1.54 (0.034)                                       | 80.0 (2.84)  | 100.4 (7.64)  | 1,985 (175.3)                              | 19.66 (1.414)   |
| Missouri .....             | 71.8 (6.17)   | 70.7 (6.26)                  | 89.2 (3.33)                | 49.3 (6.03)             | 1.63 (0.083)                                       | 100.5 (5.71)   | 110.7 (9.85)  | 2,250 (123.4)                              | 30.59 (2.178)   |
| Montana .....              | 52.8 (3.07)   | 52.0 (2.98)                  | 88.1 (2.57)                | 31.2 (3.10)             | 1.66 (0.058)                                       | 145.5 (6.37)   | 153.5 (9.31)  | 3,578 (150.2)                              | 32.59 (1.721)   |
| Nebraska .....             | 68.1 (3.42)   | 69.1 (3.17)                  | 95.5 (1.55)                | 38.2 (3.33)             | 1.85 (0.073)                                       | 101.9 (4.19)   | 160.8 (16.46)   | 3,253 (206.2)                              | 37.44 (3.549)   |
| Nevada .....               | 89.0 (3.10)   | 91.6 (2.76)                  | 78.0 (3.23)                | 36.0 (3.03)             | 1.71 (0.064)                                       | 83.3 (2.15)  | 83.6 (4.03)   | 1,665 (187.1)                              | 14.13 (1.573)   |
| New Hampshire .....        | 57.6 (5.89)   | 60.4 (5.20)                  | 89.0 (5.84)                | 36.5 (4.74)             | 1.83 (0.100)                                       | 103.1 (4.24)   | 94.2 (7.51)   | 1,862 (84.3)                               | 22.73 (1.392)   |
| New Jersey .....           | 62.6 (3.67)   | 63.1 (3.70)                  | 87.8 (2.76)                | 31.8 (3.62)             | 1.78 (0.060)                                       | 82.9 (2.52)  | 81.6 (6.64)   | 1,905 (81.0)                               | 23.28 (1.549)   |
| New Mexico .....           | 69.1 (5.59)   | 62.4 (5.24)                  | 78.5 (5.16)                | 28.0 (5.10)             | 1.53 (0.068)                                       | 92.4 (8.04)  | 123.8 (15.98)   | 2,064 (245.4)                              | 22.81 (2.374)   |
| New York .....             | 57.7 (3.86)   | 54.8 (3.81)                  | 86.6 (2.12)                | 29.8 (2.47)             | 2.12 (0.086)                                       | 78.1 (3.26)  | 66.3 (3.37)   | 1,473 (55.3)                               | 18.31 (1.415)   |
| North Carolina .....       | 89.8 (2.79)   | 95.7 (1.65)                  | 95.3 (2.12)                | 69.4 (3.79)             | 2.11 (0.063)                                       | 90.4 (4.86)  | 117.1 (7.99)  | 1,591 (76.7)                               | 28.51 (2.208)   |
| North Dakota .....         | 54.2 (3.44)   | 49.5 (3.38)                  | 94.1 (1.40)                | 24.7 (2.29)             | 1.81 (0.073)                                       | 130.8 (3.62)   | 167.4 (8.35)  | 5,180 (251.9)                              | 40.87 (2.946)   |
| Ohio .....                 | 54.8 (3.99)   | 53.1 (3.68)                  | 89.9 (3.24)                | 32.0 (4.21)             | 1.77 (0.152)                                       | 96.1 (3.71)  | 87.2 (6.64)   | 1,536 (62.7)                               | 18.71 (2.181)   |
| Oklahoma .....             | 66.1 (4.39)   | 68.4 (3.58)                  | 82.8 (3.22)                | 25.0 (3.49)             | 1.95 (0.061)                                       | 107.4 (4.61)   | 117.5 (10.90)   | 2,257 (100.5)                              | 31.40 (3.148)   |
| Oregon .....               | 77.6 (4.09)   | 80.2 (3.57)                  | 90.0 (3.54)                | 41.7 (4.59)             | 1.84 (0.068)                                       | 102.7 (5.42)   | 156.7 (33.01)   | 2,655 (204.4)                              | 18.97 (1.267)   |
| Pennsylvania .....         | 62.4 (5.47)   | 64.4 (5.44)                  | 88.9 (4.76)                | 28.3 (4.05)             | 1.90 (0.096)                                       | 92.6 (4.72)  | 94.5 (6.97)   | 2,011 (192.1)                              | 21.88 (1.759)   |
| Rhode Island .....         | 46.4 (2.07)   | 51.5 (1.92)                  | 95.6 (1.04)                | 12.8 (1.46)             | 1.84 (0.034)                                       | 70.0 (1.02)  | 68.6 (1.88)   | 1,505 (33.6)                               | 16.04 (0.656)   |
| South Carolina .....       | 96.5 (1.42)   | 93.6 (2.62)                  | 98.2 (0.76)                | 54.4 (4.11)             | 1.97 (0.055)                                       | 84.3 (2.61)  | 105.7 (7.00)  | 1,515 (33.6)                               | 24.84 (1.777)   |
| South Dakota .....         | 52.1 (4.15)   | 44.7 (3.74)                  | 93.4 (1.35)                | 40.8 (3.66)             | 1.62 (0.076)                                       | 155.9 (7.93)   | 135.2 (6.82)  | 4,006 (315.8)                              | 38.18 (1.916)   |
| Tennessee .....            | 69.2 (4.67)   | 75.5 (3.97)                  | 95.3 (2.38)                | 53.3 (4.73)             | 1.79 (0.076)                                       | 86.7 (4.89)  | 143.2 (14.03)   | 1,516 (58.3)                               | 18.81 (4.114)   |
| Texas .....                | 84.0 (2.60)   | 88.3 (2.39)                  | 93.6 (2.20)                | 44.8 (3.14)             | 1.90 (0.054)                                       | 103.2 (5.12)   | 145.5 (7.35)  | 1,800 (61.0)                               | 24.32 (1.590)   |
| Utah .....                 | 87.5 (3.14)   | 88.7 (2.76)                  | 96.2 (1.50)                | 60.3 (3.88)             | 1.69 (0.065)                                       | 76.3 (3.46)  | 114.1 (20.51)   | 1,256 (51.3)                               | 16.84 (1.982)   |
| Vermont .....              | 62.2 (2.82)   | 60.3 (2.94)                  | 93.7 (4.09)                | 13.3 (2.87)             | 1.74 (0.101)                                       | 117.2 (4.93)   | 93.3 (7.97)   | 2,783 (171.9)                              | 36.30 (2.424)   |
| Virginia .....             | 99.0 (0.66)   | 98.0 (0.79)                  | 98.1 (1.05)                | 74.6 (4.19)             | 1.88 (0.064)                                       | 87.7 (2.77)  | 110.6 (6.62)  | 1,849 (166.7)                              | 22.98 (1.550)   |
| Washington .....           | 90.8 (2.23)   | 91.4 (2.20)                  | 98.1 (0.95)                | 65.2 (3.94)             | 2.04 (0.047)                                       | 128.2 (8.97)   | 137.4 (9.23)  | 2,068 (120.8)                              | 24.62 (2.363)   |
| West Virginia .....        | 48.2 (4.91)   | 47.5 (5.12)                  | 93.4 (2.20)                | 57.6 (5.45)             | 0.92 (0.058)                                       | 96.2 (5.30)  | 75.2 (7.77)   | 1,692 (73.4)                               | 19.08 (1.680)   |
| Wisconsin .....            | 81.0 (3.63)   | 86.0 (2.92)                  | 97.9 (1.37)                | 42.2 (3.80)             | 2.09 (0.057)                                       | 138.3 (7.54)   | 146.7 (12.59)   | 2,719 (198.2)                              | 39.38 (3.107)   |
| Wyoming .....              | 75.7 (4.47)   | 76.8 (4.49)                  | 93.8 (1.89)                | 39.9 (4.60)             | 1.80 (0.071)                                       | 122.8 (6.94)   | 126.2 (7.72)  | 3,341 (272.1)                              | 32.08 (2.182)   |

<sup>1</sup> Includes professional and nonprofessional staff.<sup>2</sup> Includes public charter schools.<sup>3</sup> During the most recent full week of school.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Library Media Center Questionnaire," 1999–2000; and "Public Charter School Questionnaire," 1999–2000, unpublished data. (This table was prepared August 2004.)

NOTE: Percentages are based on schools that have library/media centers. Standard errors appear in parentheses.

Table 421. Public schools and instructional rooms with access to the Internet, by selected school characteristics: 1994 to 2002

| Schools, computers, instructional rooms, and access                 | All public schools | Instructional level <sup>1</sup> |           | Size of school enrollment |            |               | Metropolitan status |              |         |         | Percent of students eligible for free or reduced-price lunch <sup>2</sup> |                  |                  |                    |
|---|--------------------|----------------------------------|-----------|---------------------------|------------|---------------|---------------------|--------------|---------|---------|---|------------------|------------------|--------------------|
|   |                    | Elementary                       | Secondary | Less than 300             | 300 to 999 | 1,000 or more | City                | Urban fringe | Town    | Rural   | Less than 35 percent  | 35 to 49 percent | 50 to 74 percent | 75 percent or more |
|   |                    |                                  |           |                           |            |               |                     |              |         |         |   |                  |                  |                    |
| <b>Estimated total number of schools</b>                            |                    |                                  |           |                           |            |               |                     |              |         |         |   |                  |                  |                    |
| 1995  | 77,853             | 57,705                           | 18,083    | 20,673                    | 50,044     | 7,136         | 17,906              | 18,464       | 19,539  | 21,944  | 37,450  | 13,627           | 12,808           | 13,166             |
| 1997  | 79,125             | 59,695                           | 19,430    | 20,540                    | 51,169     | 7,416         | 21,071              | 23,419       | 21,998  | 21,998  | 37,525  | 12,250           | 16,302           | 12,864             |
| 1998  | 78,791             | 59,173                           | 19,193    | 20,095                    | 50,655     | 8,041         | 20,698              | 26,285       | 11,306  | 20,522  | 38,156  | 12,088           | 13,967           | 14,541             |
| 1999  | 78,399             | 59,575                           | 17,110    | 20,018                    | 50,389     | 7,992         | 21,034              | 26,245       | 11,235  | 19,885  | 35,653  | 13,908           | 16,099           | 11,993             |
| 2000  | 80,127             | 59,782                           | 18,414    | 20,667                    | 51,887     | 8,173         | 21,115              | 26,584       | 11,879  | 20,550  | 36,563  | 12,414           | 17,030           | 13,912             |
| 2001  | 81,066             | 61,640                           | 17,627    | 20,665                    | 51,968     | 8,433         | 17,997              | 26,260       | 10,180  | 26,628  | 34,928  | 14,753           | 16,627           | 14,710             |
| 2002  | 82,036             | 62,134                           | 17,608    | 21,429                    | 51,876     | 8,731         | 18,550              | 26,431       | 10,774  | 26,290  | 34,989  | 13,243           | 19,040           | 14,765             |
| 1998 (standard error)   | (333)              | (293)                            | (479)     | (467)                     | (165)      | (88)          | (98)                | (182)        | (182)   | (273)   | (1,530)   | (1,185)          | (991)            | (1,263)            |
| 1999 (standard error)   | (665)              | (722)                            | (1,263)   | (681)                     | (291)      | (605)         | (514)               | (514)        | (343)   | (506)   | (1,211)   | (977)            | (1,067)          | (949)              |
| 2000 (standard error)   | (650)              | (569)                            | (697)     | (206)                     | (217)      | (1,380)       | (1,746)             | (1,746)      | (1,323) | (1,478) | (1,215)   | (792)            | (1,071)          | (923)              |
| 2001 (standard error)   | (492)              | (527)                            | (589)     | (274)                     | (139)      | (1,416)       | (1,002)             | (1,002)      | (746)   | (1,087) | (1,191)   | (1,203)          | (995)            | (814)              |
| 2002 (standard error)   | (780)              | (647)                            | (761)     | (253)                     | (145)      | (963)         | (922)               | (922)        | (1,080) | (1,289) | (1,194)   | (1,050)          | (1,134)          | (862)              |
| <b>Percent of schools having access to the Internet</b>             |                    |                                  |           |                           |            |               |                     |              |         |         |   |                  |                  |                    |
| 1994  | 35                 | 30                               | 49        | 30                        | 35         | 58            | 40                  | 38           | 29      | 35      | 39  | 35               | 32               | 18                 |
| 1995  | 50                 | 46                               | 65        | 39                        | 52         | 69            | 47                  | 59           | 47      | 48      | 60  | 48               | 41               | 31                 |
| 1996  | 65                 | 61                               | 77        | 66                        | 66         | 80            | 64                  | 75           | 61      | 60      | 74  | 59               | 53               | 53                 |
| 1997  | 78                 | 75                               | 89        | 75                        | 78         | 89            | 74                  | 78           | 84      | 78      | 86  | 81               | 71               | 62                 |
| 1998  | 89                 | 88                               | 94        | 89                        | 89         | 95            | 92                  | 85           | 90      | 92      | 92  | 93               | 88               | 79                 |
| 1999  | 95                 | 94                               | 98        | 96                        | 94         | 96            | 93                  | 96           | 94      | 96      | 95  | 98               | 96               | 89                 |
| 2000  | 98                 | 97                               | 100       | 96                        | 98         | 99            | 96                  | 98           | 98      | 99      | 99  | 99               | 97               | 94                 |
| 2001  | 99                 | 99                               | 100       | 99                        | 99         | 100           | 97                  | 99           | 100     | 100     | 99  | 100              | 99               | 97                 |
| 2002  | 99                 | 99                               | 100       | 99                        | 100        | 100           | 99                  | 100          | 98      | 98      | 98  | 100              | 100              | 99                 |
| 1998 (standard error)   | (1.3)              | (1.6)                            | (2.1)     | (3.4)                     | (1.4)      | (2.4)         | (2.1)               | (2.8)        | (3.2)   | (3.4)   | (2.0)   | (2.2)            | (3.0)            | (3.7)              |
| 1999 (standard error)   | (0.8)              | (1.0)                            | (0.8)     | (1.5)                     | (1.0)      | (1.7)         | (1.5)               | (1.2)        | (2.5)   | (1.4)   | (1.1)   | (0.9)            | (1.7)            | (3.1)              |
| 2000 (standard error)   | (0.5)              | (0.7)                            | (0.2)     | (1.7)                     | (0.5)      | (0.6)         | (1.1)               | (1.2)        | (1.2)   | (0.9)   | (0.7)   | (0.7)            | (1.3)            | (1.7)              |
| 2001 (standard error)   | (0.3)              | (0.4)                            | (0.2)     | (1.0)                     | (0.4)      | (0.4)         | (1.1)               | (0.5)        | (0.4)   | (0.1)   | (0.6)   | (0.4)            | (0.5)            | (1.1)              |
| 2002 (standard error)   | (0.5)              | (0.6)                            | (0.5)     | (1.7)                     | (0.2)      | (0.4)         | (0.7)               | (0.7)        | (2.2)   | (1.0)   | (1.0)   | (0.4)            | (0.4)            | (0.9)              |
| <b>Number of computers for instructional purposes, in thousands</b> |                    |                                  |           |                           |            |               |                     |              |         |         |   |                  |                  |                    |
| 1995 <sup>5</sup>   | 5,621              | 3,453                            | 2,021     | 850                       | 3,600      | 1,171         | 1,497               | 1,526        | 1,404   | 1,195   | 2,905   | 806              | 950              | 882                |
| 1997  | 5,959              | 3,701                            | 2,258     | 839                       | 3,767      | 1,353         | 1,727               | 2,084        | 934     | 1,214   | 3,154   | 886              | 1,013            | 890                |
| 1998  | 7,111              | 4,519                            | 2,549     | 952                       | 4,414      | 1,744         | 2,148               | 2,606        | 1,047   | 1,311   | 3,630   | 1,105            | 1,127            | 1,235              |
| 1999  | 7,806              | 4,923                            | 2,728     | 1,021                     | 4,952      | 1,834         | 2,320               | 2,975        | 1,022   | 1,489   | 3,900   | 1,245            | 1,429            | 1,170              |
| 2000  | 8,776              | 5,296                            | 3,271     | 1,135                     | 5,524      | 2,117         | 2,537               | 3,396        | 1,155   | 1,689   | 4,371   | 1,373            | 1,606            | 1,384              |
| 2001  | 10,058             | 6,165                            | 3,654     | 1,085                     | 6,273      | 2,700         | 2,685               | 3,791        | 1,134   | 2,448   | 4,781   | 1,707            | 1,862            | 1,698              |
| 2002  | 10,711             | 6,775                            | 3,705     | 1,347                     | 6,533      | 2,831         | 2,662               | 4,043        | 1,320   | 2,686   | 4,982   | 1,673            | 2,265            | 1,792              |
| 1998 (standard error)   | (183)              | (145)                            | (94)      | (53)                      | (136)      | (106)         | (74)                | (129)        | (58)    | (77)    | (198)   | (114)            | (89)             | (155)              |
| 1999 (standard error)   | (147)              | (114)                            | (103)     | (76)                      | (127)      | (101)         | (113)               | (121)        | (50)    | (75)    | (152)   | (115)            | (116)            | (98)               |
| 2000 (standard error)   | (174)              | (148)                            | (113)     | (73)                      | (121)      | (103)         | (179)               | (213)        | (132)   | (131)   | (147)   | (93)             | (112)            | (107)              |
| 2001 (standard error)   | (180)              | (165)                            | (98)      | (57)                      | (140)      | (85)          | (192)               | (168)        | (78)    | (142)   | (206)   | (120)            | (132)            | (117)              |
| 2002 (standard error)   | (237)              | (187)                            | (105)     | (101)                     | (181)      | (101)         | (158)               | (173)        | (172)   | (164)   | (170)   | (172)            | (137)            | (136)              |
| <b>Mean number of instructional computers per school</b>            |                    |                                  |           |                           |            |               |                     |              |         |         |   |                  |                  |                    |
| 1995 <sup>5</sup>   | 72                 | 60                               | 112       | 41                        | 72         | 164           | 84                  | 83           | 72      | 54      | 78  | 59               | 74               | 67                 |
| 1997  | 75                 | 62                               | 116       | 41                        | 74         | 183           | 82                  | 89           | 74      | 55      | 84  | 72               | 62               | 69                 |
| 1998  | 90                 | 76                               | 133       | 47                        | 87         | 217           | 104                 | 99           | 93      | 64      | 95  | 91               | 81               | 85                 |
| 1999  | 100                | 83                               | 159       | 51                        | 106        | 229           | 110                 | 113          | 91      | 75      | 109   | 90               | 89               | 98                 |
| 2000  | 110                | 89                               | 178       | 57                        | 106        | 259           | 120                 | 128          | 97      | 82      | 120   | 111              | 94               | 99                 |
| 2001  | 124                | 100                              | 207       | 52                        | 121        | 320           | 149                 | 144          | 111     | 92      | 137   | 116              | 112              | 115                |
| 2002  | 131                | 109                              | 210       | 63                        | 126        | 324           | 144                 | 153          | 123     | 102     | 142   | 126              | 119              | 122                |
| 1998 (standard error)   | (2.3)              | (2.4)                            | (4.9)     | (2.6)                     | (2.5)      | (13.0)        | (3.6)               | (4.9)        | (5.2)   | (3.6)   | (3.7)   | (6.1)            | (4.5)            | (7.7)              |
| 1999 (standard error)   | (2.2)              | (2.2)                            | (6.4)     | (2.5)                     | (2.3)      | (10.7)        | (4.7)               | (4.2)        | (4.2)   | (3.6)   | (2.8)   | (6.8)            | (5.6)            | (5.2)              |
| 2000 (standard error)   | (2.0)              | (2.4)                            | (5.3)     | (3.1)                     | (2.3)      | (9.0)         | (4.9)               | (4.3)        | (5.6)   | (3.6)   | (3.4)   | (5.9)            | (6.7)            | (5.5)              |

See notes at end of table.

Table 421. Public schools and instructional rooms with access to the Internet, by selected school characteristics: 1994 to 2002—Continued

| Schools, computers, instructional rooms, and access                         | All public schools | Instructional level <sup>1</sup> |           | Size of school enrollment |            |               | Metropolitan status |              |       |       | Percent of students eligible for free or reduced-price lunch <sup>2</sup> |                  |                  |                    |
|---|--------------------|----------------------------------|-----------|---------------------------|------------|---------------|---------------------|--------------|-------|-------|---|------------------|------------------|--------------------|
|   |                    | Elementary                       | Secondary | Less than 300             | 300 to 999 | 1,000 or more | City                | Urban fringe | Town  | Rural | Less than 35 percent  | 35 to 49 percent | 50 to 74 percent | 75 percent or more |
|   |                    |                                  |           |                           |            |               |                     |              |       |       |   |                  |                  |                    |
| 1   | 2                  | (2.3)                            | (6.2)     | (2.5)                     | (2.6)      | (10.1)        | (6.4)               | (4.7)        | (6.0) | (4.0) | (4.9)   | (5.8)            | (6.0)            | (5.0)              |
| 2001 (standard error)   | (2.8)              | (2.9)                            | (6.4)     | (4.1)                     | (3.5)      | (10.8)        | (6.4)               | (5.2)        | (9.3) | (4.5) | (4.7)   | (8.5)            | (5.3)            | (5.9)              |
| Number of instructional computers with access to the Internet, in thousands |                    |                                  |           |                           |            |               |                     |              |       |       |   |                  |                  |                    |
| 1995 <sup>5</sup>   | 447                | 232                              | 187       | 59                        | 315        | 73            | 96                  | 131          | 126   | 94    | 286   | 46               | 57               | 36                 |
| 1998  | 3,569              | 2,100                            | 1,450     | 407                       | 2,276      | 887           | 1,026               | 1,334        | 481   | 727   | 2,064   | 608              | 439              | 458                |
| 1999  | 4,809              | 2,773                            | 1,945     | 663                       | 2,988      | 1,158         | 1,265               | 1,887        | 691   | 966   | 2,762   | 778              | 810              | 428                |
| 2000  | 6,759              | 3,813                            | 2,779     | 882                       | 4,191      | 1,686         | 1,782               | 2,688        | 955   | 1,335 | 3,608   | 1,064            | 1,215            | 858                |
| 2001  | 8,500              | 4,936                            | 3,357     | 874                       | 5,229      | 2,396         | 2,175               | 3,178        | 1,008 | 2,139 | 4,225   | 1,478            | 1,529            | 1,289              |
| 2002  | 9,658              | 5,912                            | 3,525     | 1,214                     | 5,827      | 2,618         | 2,329               | 3,677        | 1,222 | 2,431 | 4,586   | 1,474            | 2,049            | 1,549              |
| 1998 (standard error)   | (173)              | (148)                            | (79)      | (38)                      | (140)      | (73)          | (87)                | (105)        | (46)  | (73)  | (151)   | (79)             | (48)             | (78)               |
| 1999 (standard error)   | (145)              | (111)                            | (89)      | (60)                      | (132)      | (68)          | (94)                | (93)         | (50)  | (70)  | (140)   | (59)             | (59)             | (55)               |
| 2000 (standard error)   | (174)              | (136)                            | (113)     | (69)                      | (114)      | (97)          | (148)               | (178)        | (111) | (91)  | (139)   | (80)             | (93)             | (87)               |
| 2001 (standard error)   | (176)              | (144)                            | (92)      | (61)                      | (139)      | (89)          | (164)               | (150)        | (74)  | (137) | (196)   | (105)            | (114)            | (101)              |
| 2002 (standard error)   | (236)              | (183)                            | (105)     | (97)                      | (183)      | (102)         | (145)               | (160)        | (162) | (148) | (167)   | (158)            | (129)            | (122)              |
| Percent of instructional computers with access to the Internet              |                    |                                  |           |                           |            |               |                     |              |       |       |   |                  |                  |                    |
| 1995 <sup>5</sup>   | 8                  | 7                                | 9         | 7                         | 9          | 6             | 6                   | 9            | 9     | 8     | 10  | 6                | 6                | 4                  |
| 1998  | 50                 | 46                               | 57        | 43                        | 52         | 61            | 48                  | 51           | 46    | 55    | 57  | 55               | 39               | 37                 |
| 1999  | 62                 | 56                               | 71        | 65                        | 60         | 63            | 55                  | 63           | 68    | 65    | 71  | 62               | 57               | 57                 |
| 2000  | 77                 | 72                               | 85        | 78                        | 76         | 80            | 70                  | 79           | 83    | 79    | 82  | 77               | 76               | 62                 |
| 2001  | 85                 | 80                               | 92        | 81                        | 83         | 89            | 81                  | 84           | 89    | 87    | 88  | 85               | 82               | 76                 |
| 2002  | 90                 | 87                               | 95        | 90                        | 89         | 92            | 87                  | 91           | 93    | 90    | 92  | 88               | 90               | 86                 |
| 1998 (standard error)   | (1.7)              | (2.5)                            | (2.1)     | (3.4)                     | (2.2)      | (3.4)         | (3.0)               | (2.8)        | (4.1) | (3.4) | (2.0)   | (4.2)            | (2.9)            | (4.6)              |
| 1999 (standard error)   | (1.4)              | (1.6)                            | (2.4)     | (3.0)                     | (1.7)      | (3.6)         | (2.6)               | (2.4)        | (3.1) | (2.7) | (2.2)   | (3.6)            | (2.8)            | (3.6)              |
| 2000 (standard error)   | (1.1)              | (1.2)                            | (1.8)     | (2.6)                     | (1.3)      | (4.1)         | (2.1)               | (1.7)        | (2.5) | (2.1) | (1.2)   | (2.9)            | (2.6)            | (3.1)              |
| 2001 (standard error)   | (0.8)              | (1.2)                            | (0.8)     | (2.8)                     | (1.4)      | (1.4)         | (2.1)               | (1.5)        | (2.1) | (1.3) | (1.2)   | (2.0)            | (2.5)            | (2.2)              |
| 2002 (standard error)   | (0.8)              | (1.1)                            | (0.6)     | (1.8)                     | (0.9)      | (1.3)         | (1.6)               | (1.2)        | (1.9) | (1.4) | (1.1)   | (2.0)            | (1.5)            | (1.6)              |
| Total number of instructional rooms, in thousands                           |                    |                                  |           |                           |            |               |                     |              |       |       |   |                  |                  |                    |
| 1997  | 2,625              | 1,720                            | 906       | 335                       | 1,725      | 566           | 830                 | 902          | 388   | 505   | 1,336   | 375              | 462              | 447                |
| 1998  | 2,709              | 1,772                            | 916       | 349                       | 1,740      | 620           | 839                 | 981          | 390   | 498   | 1,372   | 413              | 451              | 471                |
| 1999  | 2,811              | 1,830                            | 926       | 360                       | 1,805      | 645           | 857                 | 1,049        | 375   | 530   | 1,325   | 477              | 541              | 437                |
| 2000  | 2,905              | 1,864                            | 972       | 377                       | 1,871      | 657           | 866                 | 1,086        | 413   | 541   | 1,380   | 465              | 570              | 482                |
| 2001  | 2,851              | 1,854                            | 929       | 332                       | 1,829      | 690           | 726                 | 1,068        | 339   | 718   | 1,299   | 486              | 551              | 510                |
| 2002  | 2,988              | 2,006                            | 919       | 396                       | 1,896      | 696           | 748                 | 1,101        | 378   | 761   | 1,368   | 451              | 648              | 520                |
| 1998 (standard error)   | (41)               | (29)                             | (25)      | (15)                      | (34)       | (21)          | (22)                | (24)         | (14)  | (17)  | (60)  | (39)             | (29)             | (42)               |
| 1999 (standard error)   | (36)               | (33)                             | (29)      | (26)                      | (30)       | (30)          | (29)                | (33)         | (16)  | (23)  | (46)  | (34)             | (42)             | (34)               |
| 2000 (standard error)   | (35)               | (28)                             | (24)      | (22)                      | (23)       | (23)          | (56)                | (61)         | (47)  | (39)  | (46)  | (28)             | (36)             | (29)               |
| 2001 (standard error)   | (31)               | (30)                             | (18)      | (17)                      | (23)       | (15)          | (49)                | (46)         | (24)  | (36)  | (48)  | (34)             | (35)             | (29)               |
| 2002 (standard error)   | (37)               | (30)                             | (19)      | (25)                      | (20)       | (16)          | (36)                | (39)         | (40)  | (48)  | (45)  | (38)             | (38)             | (33)               |
| Percent of instructional rooms with access to the Internet                  |                    |                                  |           |                           |            |               |                     |              |       |       |   |                  |                  |                    |
| 1994  | 3                  | 3                                | 4         | 3                         | 3          | 3             | 4                   | 4            | 3     | 3     | 3   | 2                | 4                | 2                  |
| 1995  | 8                  | 8                                | 8         | 9                         | 8          | 4             | 6                   | 8            | 8     | 8     | 9   | 6                | 6                | 3                  |
| 1996  | 14                 | 13                               | 16        | 15                        | 13         | 16            | 14                  | 16           | 14    | 14    | 17  | 12               | 11               | 5                  |
| 1997  | 27                 | 24                               | 32        | 27                        | 28         | 25            | 20                  | 29           | 34    | 30    | 33  | 33               | 20               | 14                 |
| 1998  | 51                 | 51                               | 52        | 54                        | 53         | 45            | 47                  | 50           | 55    | 57    | 57  | 60               | 41               | 38                 |
| 1999  | 64                 | 62                               | 67        | 71                        | 64         | 58            | 52                  | 67           | 72    | 71    | 69  | 69               | 61               | 38                 |
| 2000  | 77                 | 76                               | 79        | 83                        | 78         | 70            | 66                  | 78           | 87    | 85    | 82  | 81               | 77               | 60                 |
| 2001  | 87                 | 86                               | 88        | 87                        | 87         | 86            | 82                  | 87           | 91    | 89    | 90  | 89               | 87               | 79                 |
| 2002  | 92                 | 92                               | 91        | 91                        | 93         | 89            | 88                  | 92           | 96    | 93    | 93  | 90               | 91               | 89                 |

See notes at end of table.





**Table 422. Collections, staff, and operating expenditures of college and university libraries: Selected years, 1976–77 to 1997–98**

| Item   | 1976–77 <sup>1</sup> | 1978–79 <sup>1</sup> | 1981–82     | 1984–85     | 1987–88     | 1991–92     | 1994–95     | 1996–97     | 1997–98              |
|--|----------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------|
| 1  | 2                    | 3                    | 4           | 5           | 6           | 7           | 8           | 9           | 10                   |
| Number of libraries .....  | 3,058                | 3,122                | 3,104       | 3,322       | 3,438       | 3,274       | 3,303       | 3,408       | 3,658                |
| General collection transactions, in thousands .....  | —                    | —                    | —           | —           | —           | —           | 183,123     | 186,545     | 175,409              |
| Reserve collection transactions, in thousands .....  | —                    | —                    | —           | —           | —           | —           | 48,380      | 44,189      | 40,658               |
| Total enrollment, in thousands <sup>2</sup> .....  | 11,121               | 11,392               | 12,372      | 12,242      | 12,767      | 14,359      | 14,279      | 14,300      | 14,502               |
| Full-time-equivalent enrollment, in thousands <sup>2</sup> .....   | 8,313                | 8,348                | 9,015       | 8,952       | 9,230       | 10,361      | 10,348      | 10,402      | 10,217               |
| <b>Collections, thousands of units</b>   |                      |                      |             |             |             |             |             |             |                      |
| Number of volumes at end of year .....   | 481,442              | 519,895              | 567,826     | 631,727     | 718,504     | 749,429     | 776,447     | 806,717     | <sup>3</sup> 878,906 |
| Number of volumes added during year .....  | 22,367               | 21,608               | 19,507      | 20,658      | 21,907      | 20,982      | 21,544      | 21,346      | 24,551               |
| Number of serial subscriptions at end of year .....  | 4,670                | 4,775                | 4,890       | 6,317       | 6,416       | 6,966       | 6,212       | 5,709       | <sup>4</sup> 10,908  |
| Microform units at end of year .....   | —                    | —                    | —           | —           | —           | —           | —           | —           | 1,062,082            |
| Electronic units at end of year <sup>5</sup> .....   | —                    | —                    | —           | —           | —           | —           | 465         | 983         | 3,473                |
| <b>Library staff, in full-time equivalents (FTE)</b>   |                      |                      |             |             |             |             |             |             |                      |
| Total staff in regular positions <sup>6</sup> .....  | 57,087               | 58,416               | 58,476      | 58,476      | 67,251      | 67,166      | 67,433      | 67,581      | 68,337               |
| FTE student enrollment per FTE staff .....   | 145.6                | 142.9                | 154.2       | 153.1       | 137.2       | 154.3       | 153.5       | 153.9       | 149.5                |
| Librarians and professional staff .....  | 23,308               | 23,676               | 23,816      | 21,822      | 25,115      | 26,341      | 26,726      | 27,268      | 30,041               |
| Other paid staff .....   | 33,779               | 34,740               | 34,660      | 38,026      | 40,733      | 40,421      | 40,381      | 40,022      | 38,026               |
| Contributed services .....   | —                    | —                    | —           | —           | 1,403       | 404         | 326         | 291         | 270                  |
| Student assistants .....   | —                    | —                    | —           | —           | 33,821      | 29,075      | 28,411      | 27,998      | 28,373               |
| Hours of student and other assistance, in thousands .....  | 39,950               | 39,552               | 40,068      | 28,360      | —           | —           | —           | —           | —                    |
| <b>Library operating expenditures (excluding capital outlay)</b>   |                      |                      |             |             |             |             |             |             |                      |
| Operating expenditures, total, in thousands .....  | \$1,259,637          | \$1,502,158          | \$1,943,769 | \$2,404,524 | \$2,770,075 | \$3,648,654 | \$4,013,333 | \$4,301,815 | \$4,592,657          |
| Salaries <sup>7</sup> .....  | 698,090              | 824,438              | 1,081,894   | 1,156,138   | 1,451,551   | 1,889,368   | 2,021,233   | 2,147,842   | 2,314,380            |
| Hourly wages .....   | 68,683               | 79,535               | 100,847     | —           | —           | —           | —           | —           | —                    |
| Fringe benefits .....  | —                    | —                    | —           | 231,209     | —           | —           | —           | —           | —                    |
| Preservation .....   | 22,521               | 25,274               | 30,351      | 32,939      | 34,144      | 43,126      | 46,554      | 45,610      | 42,919               |
| Furniture/equipment .....  | —                    | —                    | —           | —           | —           | —           | 55,915      | 56,128      | 57,013               |
| Computer hardware/software .....   | —                    | —                    | —           | —           | —           | —           | 128,128     | 157,949     | 164,379              |
| Utilities/networks/consortia .....   | —                    | —                    | —           | —           | —           | —           | 81,106      | 85,113      | 89,618               |
| Information resources .....  | 373,699              | 450,180              | 561,199     | 750,282     | 891,281     | 1,197,293   | 1,348,933   | 1,499,249   | 1,600,995            |
| Books and serial backfiles-paper .....   | —                    | —                    | —           | —           | —           | —           | —           | —           | 514,048              |
| Books and serial backfiles-electronic .....  | —                    | —                    | —           | —           | —           | —           | —           | —           | 28,061               |
| Current serials- paper .....   | —                    | —                    | —           | —           | —           | —           | —           | —           | 849,399              |
| Current serials- electronic .....  | —                    | —                    | —           | —           | —           | —           | —           | —           | 125,470              |
| Audiovisual materials .....  | —                    | —                    | —           | —           | —           | 23,879      | 28,753      | 28,879      | 30,623               |
| Document delivery/interlibrary loan .....  | —                    | —                    | —           | —           | —           | —           | 12,238      | 17,645      | 19,309               |
| Other collection expenditures .....  | 373,699              | 450,180              | 561,199     | 750,282     | 891,281     | 1,173,414   | 1,307,942   | 1,452,725   | 34,086               |
| Other library operating expenditures .....   | 96,643               | 122,731              | 169,478     | 233,957     | 393,099     | 518,867     | 331,463     | 309,925     | 323,354              |
| Operating expenditures per FTE student .....   | 152                  | 180                  | 216         | 269         | 300         | 352         | 388         | 414         | 450                  |
| Operating expenditures per FTE student in constant 1997–98 dollars .....   | 418                  | 425                  | 371         | 411         | 419         | 412         | 417         | 421         | 450                  |
| Operating expenditures, total, in percents .....   | 100.0                | 100.0                | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0                |
| Salaries <sup>7</sup> .....  | 55.4                 | 54.9                 | 55.7        | 48.1        | 52.4        | 51.8        | 50.4        | 49.9        | 50.4                 |
| Hourly wages .....   | 5.5                  | 5.3                  | 5.2         | —           | —           | —           | —           | —           | —                    |
| Fringe benefits .....  | —                    | —                    | —           | 9.6         | —           | —           | —           | —           | —                    |
| Preservation .....   | 1.8                  | 1.7                  | 1.6         | 1.4         | 1.2         | 1.2         | 1.2         | 1.1         | 0.9                  |
| Information resources .....  | 29.7                 | 30.0                 | 28.9        | 31.2        | 32.2        | 32.8        | 33.6        | 34.9        | 34.9                 |
| Other library operating expenditures <sup>8</sup> .....  | 7.7                  | 8.2                  | 8.7         | 9.7         | 14.2        | 14.2        | 14.9        | 14.2        | 13.8                 |
| Library operating expenditures as percent of total institutional expenditures for educational and general purposes ..... | 3.8                  | 3.7                  | 3.5         | 3.4         | 3.2         | 3.0         | 2.8         | —           | —                    |

—Not available.

<sup>1</sup> Includes data for U.S. territories.<sup>2</sup> Fall enrollment for the academic year specified.<sup>3</sup> Includes data for schools newly added to the survey system, so end of year figure exceeds total of additions plus end of year value from previous year.<sup>4</sup> Includes microform and electronic serials.<sup>5</sup> Electronic files, formerly labeled "Computer files."<sup>6</sup> Excludes student assistants.<sup>7</sup> Includes expenditures for fringe benefits (except for 1984–85 and 1987–88), salary equivalents of contributed services staff, and hourly wages for 1996–97 and 1997–98.<sup>8</sup> Includes furniture/equipment, computer hardware/software, and utilities/networks/consortia as well as expenditures classified above as "other library operating expenditures."

NOTE: Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Library Statistics of Colleges and Universities*, various years; and Integrated Postsecondary Education Data System, "Academic Library Survey," various years, and "Fall Enrollment Survey 1997." (This table was prepared July 2001.)

**Table 423. Collections, staff, and operating expenditures of the 60 largest college and university libraries: 1998**

| Institution   | Rank order, by number of volumes | Number of volumes at end of year, in thousands | Full-time-equivalent staff |            | Operating expenditures, in thousands |                    | Public service hours per week | Gate count per week | Reference transactions per week |
|---|----------------------------------|--|----------------------------|------------|--------------------------------------|--------------------|-------------------------------|---------------------|---------------------------------|
|   |                                  |  | Total                      | Librarians | Total                                | Salaries and wages |                               |                     |                                 |
| 1   | 2                                | 3  | 4                          | 5          | 6                                    | 7                  | 8                             | 9                   | 10                              |
| Harvard University (MA) .....                       | 1                                | 13,982   | 1,188                      | 351        | \$84,473                             | \$38,250           | 104                           | 37,560              | 12,138                          |
| Yale University (CT) .....                          | 2                                | 10,108   | 611                        | 163        | 48,331                               | 18,393             | 111                           | 14,080              | 1,476                           |
| University of Illinois, Urbana Campus .....         | 3                                | 9,171  | 543                        | 115        | 26,207                               | 14,221             | 107                           | 34,521              | 12,743                          |
| University of Texas, Austin .....                   | 4                                | 7,649  | 574                        | 132        | 28,744                               | 13,788             | 147                           | 143,570             | 5,781                           |
| University of California, Berkeley .....            | 5                                | 7,263  | 642                        | 77         | 29,922                               | 16,611             | 83                            | 34,521              | 7,130                           |
| University of California, Los Angeles .....         | 6                                | 7,212  | 546                        | 129        | 38,092                               | 20,419             | 87                            | 86,602              | 7,510                           |
| University of Michigan, Ann Arbor .....             | 7                                | 7,072  | 594                        | 145        | 34,655                               | 15,941             | 168                           | 48,236              | 4,420                           |
| Stanford University (CA) .....                      | 8                                | 7,036  | 601                        | 113        | 47,211                               | 22,997             | 49                            | 14,080              | 2,197                           |
| Columbia University, Main Division (NY) .....       | 9                                | 7,018  | 513                        | 128        | 30,743                               | 15,369             | 104                           | —                   | —                               |
| University of Chicago (IL) .....                    | 10                               | 6,271  | 336                        | 69         | 21,285                               | 9,140              | 111                           | 34,120              | 1,327                           |
| Indiana University, Bloomington .....               | 11                               | 6,039  | 499                        | 106        | 24,336                               | 12,343             | 115                           | 73,799              | 11,844                          |
| University of Wisconsin, Madison .....              | 12                               | 5,902  | 501                        | 125        | 29,187                               | 15,833             | 131                           | 140,386             | 7,034                           |
| University of Washington .....                      | 13                               | 5,820  | 502                        | 138        | 26,605                               | 14,598             | 106                           | 34,521              | 7,130                           |
| Ohio State University, Main Campus .....            | 14                               | 5,784  | 417                        | 91         | 23,417                               | 10,786             | 109                           | 45,696              | 29,439                          |
| University of Minnesota, Twin Cities .....          | 15                               | 5,613  | 431                        | 88         | 28,490                               | 13,258             | 106                           | 34,521              | 4,786                           |
| Cornell University (NY) .....                       | 16                               | 5,218  | 468                        | 97         | 22,218                               | 11,078             | 104                           | —                   | 2,057                           |
| Princeton University (NJ) .....                     | 17                               | 5,095  | 371                        | 106        | 27,049                               | 12,403             | 112                           | —                   | —                               |
| University of North Carolina, Chapel Hill .....     | 18                               | 4,928  | 431                        | 122        | 24,333                               | 11,315             | 145                           | —                   | 4,510                           |
| Duke University (NC) .....                          | 19                               | 4,764  | 359                        | 110        | 23,919                               | 10,220             | 122                           | —                   | 3,426                           |
| University of Pennsylvania .....                    | 20                               | 4,673  | 392                        | 112        | 28,838                               | 11,837             | 143                           | 35,590              | 7,582                           |
| Rutgers University (NJ) .....                       | 21                               | 4,643  | 327                        | 72         | 17,640                               | 10,830             | 108                           | 74,268              | 4,473                           |
| University of Virginia, Main Campus .....           | 22                               | 4,514  | 363                        | 95         | 22,854                               | 12,230             | 117                           | 34,521              | 8,173                           |
| Michigan State University .....                     | 23                               | 4,188  | 273                        | 57         | 16,596                               | 7,798              | 114                           | —                   | 3,183                           |
| New York University .....                           | 24                               | 4,167  | 419                        | 92         | 26,646                               | 13,112             | 115                           | 38,000              | 5,995                           |
| University of Kansas, Main Campus .....             | 25                               | 4,106  | 238                        | 59         | 13,144                               | 6,186              | 102                           | 34,521              | 7,130                           |
| University of Arizona .....                         | 26                               | 4,080  | 293                        | 69         | 16,157                               | 6,569              | 154                           | 26,651              | 2,510                           |
| Northwestern University (IL) .....                  | 27                               | 3,954  | 351                        | 92         | 18,443                               | 9,189              | 123                           | 35,940              | 1,700                           |
| University of Iowa .....                            | 28                               | 3,927  | 298                        | 76         | 20,095                               | 9,040              | 106                           | 53,661              | 6,717                           |
| University of Oklahoma, Norman Campus .....         | 29                               | 3,797  | 146                        | 33         | 8,787                                | 3,197              | 108                           | 16,996              | 3,529                           |
| University of Pittsburgh, Main Campus (PA) .....    | 30                               | 3,552  | 335                        | 85         | 17,909                               | 7,798              | 120                           | 49,933              | 6,107                           |
| University of Georgia .....                         | 31                               | 3,458  | 360                        | 71         | 18,825                               | 8,164              | 104                           | 22,898              | 2,348                           |
| University of Florida .....                         | 32                               | 3,401  | 416                        | 111        | 19,920                               | 9,403              | 108                           | 57,272              | 4,600                           |
| University of Southern California .....             | 33                               | 3,337  | 338                        | 80         | 23,975                               | 10,128             | 24                            | 60,846              | 3,129                           |
| Washington University (MO) .....                    | 34                               | 3,295  | 265                        | 73         | 18,040                               | 6,727              | 117                           | 47,046              | 8,494                           |
| University of Hawaii, Manoa .....                   | 35                               | 3,167  | 243                        | 65         | 11,934                               | 6,574              | 87                            | 29,671              | 3,513                           |
| State U. of New York, Buffalo, Main Campus .....    | 36                               | 3,107  | 263                        | 72         | 14,733                               | 7,427              | 90                            | 62,400              | 6,890                           |
| Johns Hopkins University (MD) .....                 | 37                               | 3,098  | 308                        | 58         | 22,904                               | 8,907              | 120                           | 31,258              | 43,066                          |
| Arizona State University .....                      | 38                               | 3,074  | 295                        | 82         | 17,332                               | 7,920              | 102                           | 30,944              | 4,948                           |
| University of South Carolina at Columbia .....      | 39                               | 3,067  | 277                        | 78         | 15,232                               | 6,492              | 111                           | 21,000              | 3,500                           |
| Wayne State University (MI) .....                   | 40                               | 3,046  | 278                        | 46         | 16,050                               | 7,631              | 97                            | 50,144              | 17,256                          |
| Syracuse University, Main Campus (NY) .....         | 41                               | 3,036  | 273                        | 49         | 10,354                               | 5,284              | 105                           | 14,852              | 4,536                           |
| University of Colorado, Boulder .....               | 42                               | 3,022  | 258                        | 62         | 17,875                               | 7,248              | 106                           | 2,045               | 4,582                           |
| Louisiana State U. & A&M & Hebert Laws Center ..... | 43                               | 3,014  | 203                        | 50         | 10,816                               | 4,953              | 111                           | 41,287              | 2,931                           |
| University of Rochester (NY) .....                  | 44                               | 2,996  | 216                        | 59         | 12,256                               | 5,377              | 116                           | 21,811              | 1,232                           |
| Brown University (RI) .....                         | 45                               | 2,979  | 241                        | 61         | 13,528                               | 6,574              | 111                           | 20,392              | 1,451                           |
| University of Missouri, Columbia .....              | 46                               | 2,856  | 246                        | 58         | 11,274                               | 5,365              | 104                           | 30,874              | 2,677                           |
| Pennsylvania State University, Main Campus .....    | 47                               | 2,832  | 415                        | 77         | 22,642                               | 10,769             | 168                           | 71,665              | 5,191                           |
| University of Massachusetts at Amherst .....        | 48                               | 2,826  | 194                        | 46         | 11,163                               | 5,571              | 105                           | 27,000              | 2,750                           |
| Brigham Young University (UT) .....                 | 49                               | 2,823  | 386                        | 84         | 13,494                               | 6,612              | 101                           | 71,917              | 9,968                           |
| Kansas State University .....                       | 50                               | 2,770  | 139                        | 42         | 7,302                                | 3,208              | 90                            | 15,407              | 1,549                           |
| Southern Illinois University, Carbondale .....      | 51                               | 2,740  | 229                        | 40         | 11,097                               | 5,239              | 92                            | 15,340              | 3,035                           |
| University of Kentucky .....                        | 52                               | 2,719  | 362                        | 87         | 17,418                               | 7,962              | 144                           | 45,284              | 3,881                           |
| North Carolina State University at Raleigh .....    | 53                               | 2,713  | 324                        | 85         | 17,222                               | 6,924              | 146                           | 35,654              | 2,952                           |
| University of Maryland, College Park Campus .....   | 54                               | 2,700  | 329                        | 108        | 16,373                               | 9,213              | 98                            | 58,789              | 6,311                           |
| University of Utah .....                            | 55                               | 2,684  | 381                        | 67         | 19,778                               | 8,563              | 105                           | 76,231              | 7,538                           |
| University of California, Davis .....               | 56                               | 2,672  | 267                        | 50         | 14,781                               | 8,464              | 87                            | 24,217              | 4,431                           |
| University of Notre Dame (IN) .....                 | 57                               | 2,644  | 237                        | 46         | 15,032                               | 6,192              | 126                           | 20,000              | 1,080                           |
| University of California, San Diego .....           | 58                               | 2,578  | 322                        | 49         | 18,729                               | 9,693              | 109                           | 36,180              | 3,501                           |
| Vanderbilt University (TN) .....                    | 59                               | 2,512  | 291                        | 80         | 15,946                               | 7,299              | 111                           | 21,600              | 2,103                           |
| Auburn University, Main Campus (AL) .....           | 60                               | 2,505  | 142                        | 32         | 9,267                                | 3,792              | 99                            | 11,799              | 3,280                           |

—Not available.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Academic Library Survey 1998." (This table was prepared August 2001.)

**Table 424. Selected statistics of public libraries, by population size of legal service area: Fiscal year 2001**

| Item  | Population of legal service area <sup>1</sup> |              |                  |                  |                    |                    |                  |
|---|---|--------------|------------------|------------------|--------------------|--------------------|------------------|
|   | Total   | Under 10,000 | 10,000 to 49,999 | 50,000 to 99,999 | 100,000 to 249,999 | 250,000 to 499,999 | 500,000 and over |
| 1   | 2   | 3            | 4                | 5                | 6                  | 7                  | 8                |
| <b>Number of public library service outlets ...</b> | <b>17,300</b>                                 | <b>5,701</b> | <b>4,256</b>     | <b>1,827</b>     | <b>2,157</b>       | <b>1,179</b>       | <b>2,180</b>     |
| Central libraries .....                             | 8,971   | 5,387        | 2,647            | 519              | 283                | 77                 | 58               |
| Branch libraries .....                              | 7,450   | 241          | 1,332            | 1,123            | 1,709              | 1,022              | 2,023            |
| Bookmobiles .....                                   | 879   | 73           | 277              | 185              | 165                | 80                 | 99               |
| <b>Collections, in thousands</b>                    |   |              |                  |                  |                    |                    |                  |
| Books and serial volumes <sup>2</sup> .....         | 767,055                                       | 99,529       | 187,090          | 94,248           | 112,159            | 78,251             | 195,778          |
| Audio and video materials and films .....           | 59,427  | 5,984        | 14,193           | 7,653            | 8,769              | 6,000              | 16,828           |
| Serial subscriptions .....                          | 1,960   | 274          | 485              | 232              | 251                | 194                | 525              |
| <b>Paid staff, in full-time equivalents</b>         |   |              |                  |                  |                    |                    |                  |
| Librarians .....                                    | 44,428  | 6,121        | 11,670           | 5,507            | 6,104              | 4,604              | 10,421           |
| Librarians with ALA-MLS <sup>3</sup> .....          | 30,094  | 1,206        | 6,960            | 3,968            | 4,878              | 3,695              | 9,386            |
| Other staff .....                                   | 89,028  | 5,496        | 20,607           | 12,222           | 16,013             | 10,190             | 24,500           |
| <b>Income, in thousands</b>                         |   |              |                  |                  |                    |                    |                  |
| Total operating income .....                        | \$8,222,619                                   | \$514,726    | \$1,850,988      | \$1,061,174      | \$1,321,809        | \$945,567          | \$2,528,356      |
| <b>Percentage distribution</b>                      |   |              |                  |                  |                    |                    |                  |
| <b>Source of operating income</b>                   |   |              |                  |                  |                    |                    |                  |
| Total .....   | 100.0   | 100.0        | 100.0            | 100.0            | 100.0              | 100.0              | 100.0            |
| Federal <sup>4</sup> .....                          | 0.6   | 1.0          | 0.4              | 0.6              | 0.8                | 0.6                | 0.4              |
| State .....   | 12.7  | 9.5          | 12.7             | 15.2             | 11.9               | 13.1               | 12.7             |
| Local .....   | 77.3  | 73.0         | 76.8             | 76.2             | 80.0               | 79.0               | 76.9             |
| Other and private .....                             | 9.4   | 16.5         | 10.1             | 8.0              | 7.4                | 7.3                | 9.9              |

<sup>1</sup> The number of people in the geographic area for which a public library has been established to offer services and from which (or on behalf of which) the library derives income, plus any areas served under contract for which the library is the primary service provider.

<sup>2</sup> Some data are different from other tables due to a different population base.

<sup>3</sup> ALA-MLS=A master's degree from a graduate library education program accredited by the American Library Association (ALA).

<sup>4</sup> Excludes some federal funds received through state library agencies.

NOTE: Detail may not sum to totals due to rounding. Data include imputations for non-response.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: FY 2001*. (This table was prepared August 2003.)

**Table 425. Public libraries, books and serial volumes, library visits, and reference transactions, by state: Fiscal year 2001**

| State                      | Number of public libraries, excluding branches | Number of books and serial volumes <sup>1</sup> (in thousands) | Number of books and serial volumes per capita | Library visits per capita <sup>2</sup> | Circulation per capita | Public library reference transactions per capita <sup>3</sup> | State                | Number of public libraries, excluding branches | Number of books and serial volumes <sup>1</sup> (in thousands) | Number of books and serial volumes per capita | Library visits per capita <sup>2</sup> | Circulation per capita | Public library reference transactions per capita <sup>3</sup> |
|----------------------------|--|--|---|--|------------------------|---|----------------------|--|--|---|--|------------------------|---|
| 1                          | 2  | 3  | 4   | 5                                      | 6                      | 7   | 1                    | 2  | 3  | 4   | 5                                      | 6                      | 7   |
| <b>United States .....</b> | <b>9,129</b>                                   | <b>767,055</b>   | <b>2.8</b>                                    | <b>4.3</b>                             | <b>6.5</b>             | <b>1.1</b>  |                      |  |  |   |  |                        |   |
| Alabama .....              | 207  | 8,801  | 2.0   | 2.8                                    | 3.6                    | 0.6   | Missouri .....       | 150  | 18,716   | 3.7   | 4.4                                    | 7.6                    | 1.2   |
| Alaska .....               | 86   | 2,264  | 3.6   | 4.5                                    | 5.8                    | 0.5   | Montana .....        | 79   | 2,625  | 2.9   | 3.9                                    | 5.3                    | 0.6   |
| Arizona .....              | 35   | 8,760  | 1.7   | 4.1                                    | 6.5                    | 0.9   | Nebraska .....       | 272  | 6,004  | 4.6   | 5.1                                    | 8.6                    | 0.8   |
| Arkansas .....             | 43   | 5,497  | 2.1   | 2.8                                    | 4.1                    | 0.6   | Nevada .....         | 23   | 4,382  | 2.2   | 3.9                                    | 5.1                    | 0.7   |
| California .....           | 179  | 67,219   | 1.9   | 3.9                                    | 5.0                    | 1.1   | New Hampshire .....  | 229  | 5,572  | 4.6   | 4.7                                    | 7.1                    | 0.7   |
| Colorado .....             | 116  | 11,071   | 2.6   | 6.4                                    | 10.4                   | 1.4   | New Jersey .....     | 309  | 31,035   | 3.7   | 5.0                                    | 5.9                    | 0.9   |
| Connecticut .....          | 194  | 14,109   | 4.1   | 6.1                                    | 8.4                    | 1.1   | New Mexico .....     | 80   | 4,132  | 2.6   | 3.5                                    | 4.9                    | 0.7   |
| Delaware .....             | 37   | 1,468  | 1.9   | 3.5                                    | 5.8                    | 0.7   | New York .....       | 750  | 78,546   | 4.4   | 5.9                                    | 7.2                    | 1.8   |
| District of Columbia ..... | 1  | 2,472  | 4.3   | 3.5                                    | 2.1                    | 2.1   | North Carolina ..... | 76   | 15,916   | 2.0   | 3.6                                    | 5.4                    | 0.9   |
| Florida .....              | 72   | 29,826   | 1.8   | 3.6                                    | 5.0                    | 1.5   | North Dakota .....   | 82   | 2,158  | 3.9   | 4.0                                    | 7.1                    | 0.7   |
| Georgia .....              | 57   | 15,143   | 1.9   | 3.2                                    | 4.6                    | 0.9   | Ohio .....           | 250  | 47,088   | 4.1   | 6.3                                    | 13.8                   | 1.6   |
| Hawaii .....               | 1  | 3,195  | 2.6   | 4.6                                    | 5.6                    | 0.8   | Oklahoma .....       | 115  | 6,316  | 2.2   | 4.7                                    | 5.4                    | 0.7   |
| Idaho .....                | 106  | 3,577  | 3.1   | 5.5                                    | 7.7                    | 0.7   | Oregon .....         | 125  | 8,476  | 2.7   | 5.9                                    | 12.2                   | 0.8   |
| Illinois .....             | 629  | 41,620   | 3.7   | 5.4                                    | 7.4                    | 1.5   | Pennsylvania .....   | 459  | 28,061   | 2.3   | 3.3                                    | 4.7                    | 0.8   |
| Indiana .....              | 239  | 22,145   | 3.9   | 5.9                                    | 11.1                   | 1.3   | Rhode Island .....   | 48   | 3,997  | 3.8   | 5.4                                    | 6.3                    | 0.8   |
| Iowa .....                 | 537  | 11,450   | 4.0   | 5.1                                    | 8.7                    | 0.7   | South Carolina ..... | 41   | 8,260  | 2.1   | 3.6                                    | 4.5                    | 1.1   |
| Kansas .....               | 321  | 10,438   | 4.7   | 5.5                                    | 9.6                    | 1.2   | South Dakota .....   | 126  | 2,835  | 4.8   | 5.5                                    | 8.0                    | 0.9   |
| Kentucky .....             | 116  | 7,891  | 2.0   | 3.4                                    | 5.2                    | 0.5   | Tennessee .....      | 184  | 10,080   | 1.8   | 3.0                                    | 3.9                    | 0.7   |
| Louisiana .....            | 65   | 10,850   | 2.4   | 2.9                                    | 4.1                    | 1.0   | Texas .....          | 540  | 35,725   | 1.8   | 2.9                                    | 4.2                    | 0.9   |
| Maine .....                | 273  | 5,891  | 4.9   | 4.9                                    | 6.9                    | 0.8   | Utah .....           | 70   | 6,064  | 2.7   | 5.2                                    | 11.0                   | 1.4   |
| Maryland .....             | 24   | 15,323   | 3.0   | 5.0                                    | 9.0                    | 1.4   | Vermont .....        | 188  | 2,731  | 4.7   | 5.2                                    | 6.7                    | 0.7   |
| Massachusetts .....        | 371  | 30,465   | 4.8   | (4)                                    | 7.2                    | 0.9   | Virginia .....       | 90   | 18,659   | 2.6   | 4.2                                    | 7.9                    | 1.1   |
| Michigan .....             | 381  | 27,188   | 2.7   | (4)                                    | 5.2                    | 0.8   | Washington .....     | 65   | 17,003   | 2.9   | 4.7                                    | 9.6                    | 1.4   |
| Minnesota .....            | 140  | 14,414   | (4)   | (4)                                    | (4)                    | (4)   | West Virginia .....  | 97   | 4,920  | 2.7   | 3.4                                    | 4.4                    | 0.8   |
| Mississippi .....          | 49   | 5,615  | 2.0   | 2.9                                    | 3.2                    | 0.5   | Wisconsin .....      | 379  | 18,647   | 3.5   | 5.7                                    | 9.2                    | 1.0   |
| Wyoming .....              | 23   | 2,415  | 4.9   | 5.4                                    | 7.6                    | 0.8   |                      |  |  |   |  |                        |   |

<sup>1</sup> Some data are different from other tables due to a different population base.

<sup>2</sup> The total number of persons entering the library for any purpose during the year.

<sup>3</sup> A reference transaction is an information contact which involves the knowledge, use, recommendations, interpretation or instructions in the use of one or more information sources by a member of the library staff.

<sup>4</sup> Data not shown because response rate is less than 70 percent.

NOTE: Data include imputations for nonresponse.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: FY 2001*. (This table was prepared August 2003.)

**Table 426. Use of the Internet by persons 3 years old and over, by type of use and selected characteristics of students and other users: September 2001**

| Selected characteristic           | Percent of Internet users using the Internet for various activities during the year <sup>1</sup> |                                     |                                      |                    |                      |                   |                  |                                   |                           |                                 |                                     | Look for jobs <sup>2</sup> |   |
|-----------------------------------|--|-------------------------------------|--------------------------------------|--------------------|----------------------|-------------------|------------------|-----------------------------------|---------------------------|---------------------------------|-------------------------------------|----------------------------|---|
|                                   | Number of persons using the Internet, in thousands   | Percent using the Internet anywhere | Percent using the Internet at school | School assignments | E-mail and messaging | Playing games     | Online courses   | Product purchases and information | News, weather, and sports | Health information <sup>2</sup> | Government information <sup>2</sup> |                            | Conduct financial transactions <sup>2,3</sup> |
| <b>1</b>                          | <b>2</b>   | <b>3</b>                            | <b>4</b>                             | <b>5</b>           | <b>6</b>             | <b>7</b>          | <b>8</b>         | <b>9</b>                          | <b>10</b>                 | <b>11</b>                       | <b>12</b>                           | <b>13</b>                  | <b>14</b>                                     |
| <b>Total, all persons</b>         | <b>147,012 (332)</b>   | <b>55.4 (0.1)</b>                   | <b>11.9 (0.1)</b>                    | <b>24.1 (0.2)</b>  | <b>81.6 (0.2)</b>    | <b>40.9 (0.2)</b> | <b>3.4 (0.1)</b> | <b>67.4 (0.2)</b>                 | <b>60.0 (0.2)</b>         | <b>34.0 (0.2)</b>               | <b>30.1 (0.2)</b>                   | <b>22.0 (0.2)</b>          | <b>16.0 (0.2)</b>                             |
| Sex                               |  |                                     |                                      |                    |                      |                   |                  |                                   |                           |                                 |                                     |                            |   |
| Male                              | 71,739 (337)   | 55.5 (0.2)                          | 12.1 (0.1)                           | 23.7 (0.2)         | 80.3 (0.2)           | 43.9 (0.3)        | 3.5 (0.1)        | 68.7 (0.3)                        | 65.1 (0.3)                | 28.8 (0.3)                      | 30.7 (0.3)                          | 25.3 (0.3)                 | 16.4 (0.2)                                    |
| Female                            | 75,272 (341)   | 55.3 (0.2)                          | 11.6 (0.1)                           | 24.4 (0.2)         | 82.8 (0.2)           | 38.0 (0.3)        | 3.4 (0.1)        | 66.3 (0.3)                        | 55.2 (0.3)                | 38.8 (0.3)                      | 29.6 (0.3)                          | 18.9 (0.2)                 | 15.6 (0.2)                                    |
| Race/ethnicity                    |  |                                     |                                      |                    |                      |                   |                  |                                   |                           |                                 |                                     |                            |   |
| White, non-Hispanic               | 114,896 (356)  | 61.5 (0.2)                          | 12.1 (0.1)                           | 22.3 (0.2)         | 84.2 (0.2)           | 40.0 (0.2)        | 3.4 (0.1)        | 70.5 (0.2)                        | 61.9 (0.2)                | 35.1 (0.2)                      | 30.4 (0.2)                          | 22.6 (0.2)                 | 15.2 (0.2)                                    |
| Black, non-Hispanic               | 13,768 (133)   | 41.3 (0.4)                          | 11.3 (0.3)                           | 29.1 (0.6)         | 70.1 (0.6)           | 47.7 (0.7)        | 3.6 (0.3)        | 54.6 (0.7)                        | 50.4 (0.7)                | 30.4 (0.7)                      | 29.0 (0.7)                          | 16.3 (0.6)                 | 21.6 (0.6)                                    |
| Hispanic                          | 10,602 (134)   | 33.0 (0.5)                          | 9.6 (0.3)                            | 31.9 (0.8)         | 68.1 (0.8)           | 42.7 (0.8)        | 3.9 (0.3)        | 53.6 (0.8)                        | 50.6 (0.8)                | 26.3 (0.9)                      | 26.1 (0.9)                          | 17.6 (0.7)                 | 17.1 (0.7)                                    |
| Other                             | 7,746 (126)  | 59.9 (0.8)                          | 14.9 (0.5)                           | 29.7 (0.9)         | 82.3 (0.8)           | 39.4 (1.0)        | 3.7 (0.4)        | 64.1 (1.0)                        | 61.5 (1.0)                | 32.8 (1.0)                      | 32.7 (1.0)                          | 27.7 (1.0)                 | 18.3 (0.8)                                    |
| Age                               |  |                                     |                                      |                    |                      |                   |                  |                                   |                           |                                 |                                     |                            |   |
| 3 to 5                            | 2,532 (77)   | 21.3 (0.6)                          | 6.2 (0.3)                            | 20.6 (1.2)         | 29.8 (1.4)           | 64.8 (1.5)        | 0.7 (0.2)        | 10.7 (0.9)                        | 12.3 (1.0)                | —                               | —                                   | —                          | —   |
| 6 to 9                            | 7,159 (128)  | 44.5 (0.6)                          | 24.9 (0.5)                           | 46.5 (0.9)         | 42.2 (0.9)           | 62.3 (0.9)        | 0.6 (0.1)        | 15.7 (0.7)                        | 18.4 (0.7)                | —                               | —                                   | —                          | —   |
| 10 to 14                          | 14,153 (177)   | 67.9 (0.5)                          | 46.7 (0.5)                           | 76.6 (0.5)         | 65.0 (0.6)           | 63.0 (0.6)        | 0.7 (0.1)        | 32.9 (0.6)                        | 37.4 (0.6)                | —                               | —                                   | —                          | —   |
| 15 to 19                          | 15,110 (182)   | 74.7 (0.5)                          | 48.7 (0.5)                           | 77.2 (0.5)         | 83.2 (0.5)           | 58.2 (0.6)        | 2.1 (0.2)        | 57.1 (0.6)                        | 53.0 (0.6)                | 12.2 (0.4)                      | 12.2 (0.4)                          | 4.9 (0.3)                  | 8.0 (0.3)                                     |
| 20 to 24                          | 12,610 (168)   | 66.4 (0.5)                          | 21.6 (0.5)                           | 38.4 (0.7)         | 87.2 (0.5)           | 47.3 (0.7)        | 5.5 (0.3)        | 73.2 (0.6)                        | 64.1 (0.7)                | 22.2 (0.6)                      | 23.9 (0.6)                          | 18.2 (0.5)                 | 26.2 (0.6)                                    |
| 25 to 29                          | 11,611 (161)   | 66.0 (0.5)                          | 2.6 (0.3)                            | 12.1 (0.5)         | 87.9 (0.5)           | 38.6 (0.7)        | 5.5 (0.3)        | 82.5 (0.5)                        | 72.3 (0.6)                | 36.8 (0.7)                      | 34.7 (0.7)                          | 30.1 (0.7)                 | 27.9 (0.6)                                    |
| 30 to 39                          | 27,252 (237)   | 66.6 (0.4)                          | 6.2 (0.4)                            | 5.6 (0.2)          | 87.7 (0.3)           | 34.9 (0.4)        | 4.6 (0.2)        | 81.5 (0.4)                        | 72.3 (0.4)                | 38.4 (0.5)                      | 34.2 (0.4)                          | 28.8 (0.4)                 | 20.3 (0.4)                                    |
| 40 to 49                          | 27,781 (239)   | 64.0 (0.4)                          | 1.4 (0.1)                            | 3.2 (0.2)          | 86.8 (0.3)           | 30.6 (0.4)        | 4.2 (0.2)        | 79.2 (0.4)                        | 68.9 (0.4)                | 32.6 (0.4)                      | 32.6 (0.4)                          | 24.2 (0.4)                 | 15.0 (0.3)                                    |
| 50 to 59                          | 17,925 (197)   | 56.6 (0.4)                          | 0.8 (0.1)                            | 1.9 (0.2)          | 87.7 (0.4)           | 26.5 (0.5)        | 3.6 (0.2)        | 78.1 (0.5)                        | 65.1 (0.5)                | 38.2 (0.4)                      | 36.2 (0.6)                          | 22.0 (0.5)                 | 10.0 (0.3)                                    |
| 60 to 69                          | 7,205 (128)  | 35.8 (0.5)                          | —                                    | 0.2 (0.1)          | 88.1 (0.6)           | 28.6 (0.8)        | 1.9 (0.2)        | 73.7 (0.8)                        | 60.3 (0.9)                | 42.2 (0.9)                      | 34.1 (0.9)                          | 19.9 (0.7)                 | 4.8 (0.4)                                     |
| 70 or older                       | 3,675 (93)   | 15.6 (0.4)                          | —                                    | —                  | 84.9 (0.9)           | 28.8 (1.1)        | 1.3 (0.3)        | 58.3 (1.3)                        | 52.0 (1.3)                | 35.1 (1.2)                      | 23.1 (1.1)                          | 16.0 (0.9)                 | 1.7 (0.3)                                     |
| Family income <sup>4</sup>        |  |                                     |                                      |                    |                      |                   |                  |                                   |                           |                                 |                                     |                            |   |
| Less than \$10,000                | 4,202 (103)  | 25.4 (0.6)                          | 10.0 (0.4)                           | 38.8 (1.3)         | 69.9 (1.2)           | 44.9 (1.3)        | 3.9 (0.5)        | 56.1 (1.3)                        | 52.0 (1.3)                | 28.2 (1.4)                      | 26.9 (1.3)                          | 14.7 (1.1)                 | 24.2 (1.3)                                    |
| \$10,000 to \$19,999              | 7,328 (186)  | 28.2 (0.6)                          | 8.7 (0.4)                            | 30.0 (1.2)         | 69.9 (1.2)           | 45.2 (1.3)        | 3.6 (0.5)        | 55.3 (1.3)                        | 51.9 (1.3)                | 28.3 (1.3)                      | 27.6 (1.3)                          | 13.8 (1.0)                 | 20.4 (1.2)                                    |
| \$20,000 to \$29,999              | 12,055 (236)   | 40.5 (0.6)                          | 10.0 (0.4)                           | 24.8 (0.9)         | 73.5 (0.9)           | 46.6 (1.0)        | 3.0 (0.3)        | 59.9 (1.0)                        | 54.4 (1.0)                | 30.5 (1.0)                      | 26.4 (1.0)                          | 14.6 (0.8)                 | 20.0 (0.9)                                    |
| \$30,000 to \$39,999              | 14,136 (254)   | 50.8 (0.7)                          | 10.7 (0.4)                           | 22.5 (0.8)         | 78.4 (0.8)           | 42.8 (0.9)        | 3.2 (0.3)        | 65.0 (0.9)                        | 55.6 (0.9)                | 31.8 (1.0)                      | 27.5 (0.9)                          | 17.3 (0.8)                 | 18.7 (0.8)                                    |
| \$40,000 to \$49,999              | 13,810 (252)   | 61.5 (0.7)                          | 13.1 (0.5)                           | 23.3 (0.8)         | 80.0 (0.8)           | 43.9 (0.9)        | 3.5 (0.3)        | 64.1 (0.9)                        | 57.5 (0.9)                | 32.3 (1.0)                      | 29.6 (1.0)                          | 19.7 (0.8)                 | 16.4 (0.8)                                    |
| \$50,000 to \$74,999              | 30,850 (360)   | 69.0 (0.5)                          | 13.4 (0.4)                           | 22.7 (0.5)         | 82.8 (0.5)           | 41.8 (0.6)        | 3.4 (0.2)        | 68.7 (0.6)                        | 61.6 (0.6)                | 34.3 (0.7)                      | 29.0 (0.6)                          | 22.2 (0.6)                 | 15.6 (0.5)                                    |
| \$75,000 or more                  | 45,393 (418)   | 80.4 (0.4)                          | 16.0 (0.3)                           | 24.1 (0.4)         | 87.5 (0.3)           | 36.8 (0.5)        | 3.9 (0.2)        | 74.5 (0.5)                        | 65.7 (0.5)                | 38.3 (0.5)                      | 34.6 (0.5)                          | 29.3 (0.5)                 | 14.4 (0.4)                                    |
| <b>Total, all students</b>        | <b>46,491 (294)</b>  | <b>66.1 (0.3)</b>                   | <b>44.7 (0.3)</b>                    | <b>76.1 (0.3)</b>  | <b>71.6 (0.3)</b>    | <b>56.3 (0.4)</b> | <b>3.5 (0.1)</b> | <b>46.9 (0.4)</b>                 | <b>46.0 (0.4)</b>         | <b>20.3 (0.4)</b>               | <b>22.2 (0.4)</b>                   | <b>13.5 (0.3)</b>          | <b>15.0 (0.4)</b>                             |
| Elementary/secondary <sup>5</sup> | 32,237 (255)   | 59.8 (0.3)                          | 40.5 (0.3)                           | 72.4 (0.4)         | 63.4 (0.4)           | 62.0 (0.4)        | 0.9 (0.1)        | 34.5 (0.4)                        | 36.4 (0.4)                | 9.7 (0.5)                       | 9.9 (0.5)                           | 3.0 (0.3)                  | 4.9 (0.3)                                     |
| 3 to 5 years old                  | 1,782 (65)   | 26.9 (0.8)                          | 11.1 (0.6)                           | 29.3 (1.7)         | 30.7 (1.7)           | 64.9 (1.7)        | 0.3 (0.2)        | 11.1 (1.1)                        | 13.1 (1.2)                | —                               | —                                   | —                          | —   |
| 6 to 9 years old                  | 6,842 (125)  | 46.2 (0.6)                          | 27.1 (0.6)                           | 48.7 (0.9)         | 41.9 (0.9)           | 62.4 (0.9)        | 0.6 (0.1)        | 15.5 (0.7)                        | 18.2 (0.7)                | —                               | —                                   | —                          | —   |
| 10 to 14 years old                | 13,707 (174)   | 69.8 (0.5)                          | 49.6 (0.5)                           | 79.0 (0.5)         | 65.3 (0.6)           | 63.2 (0.6)        | 0.6 (0.1)        | 32.9 (0.6)                        | 37.5 (0.6)                | —                               | —                                   | —                          | —   |
| 15 years old and over             | 9,906 (150)  | 77.4 (0.6)                          | 57.2 (0.7)                           | 87.4 (0.5)         | 81.6 (0.6)           | 59.4 (0.8)        | 1.7 (0.2)        | 54.1 (0.8)                        | 51.8 (0.8)                | 9.7 (0.5)                       | 9.9 (0.5)                           | 3.0 (0.3)                  | 4.9 (0.3)                                     |
| College                           | 14,254 (178)   | 86.7 (0.4)                          | 58.8 (0.6)                           | 84.3 (0.5)         | 90.1 (0.4)           | 43.5 (0.6)        | 9.3 (0.4)        | 75.0 (0.6)                        | 67.8 (0.6)                | 27.7 (0.6)                      | 30.8 (0.6)                          | 20.8 (0.5)                 | 22.1 (0.5)                                    |
| Sex                               |  |                                     |                                      |                    |                      |                   |                  |                                   |                           |                                 |                                     |                            |   |
| Male                              | 22,808 (220)   | 65.5 (0.4)                          | 45.1 (0.4)                           | 74.7 (0.4)         | 69.1 (0.5)           | 61.3 (0.5)        | 3.0 (0.2)        | 47.6 (0.5)                        | 49.3 (0.5)                | 15.4 (0.5)                      | 21.9 (0.6)                          | 14.6 (0.5)                 | 15.0 (0.5)                                    |
| Elementary/secondary <sup>5</sup> | 16,528 (190)   | 60.0 (0.5)                          | 40.7 (0.5)                           | 71.6 (0.5)         | 61.1 (0.6)           | 65.2 (0.6)        | 1.0 (0.1)        | 36.5 (0.6)                        | 39.8 (0.6)                | 8.1 (0.6)                       | 9.8 (0.6)                           | 3.7 (0.4)                  | 5.2 (0.5)                                     |
| 3 to 5 years old                  | 28.7 (1.2)   | 28.7 (1.2)                          | 12.0 (0.9)                           | 29.6 (2.2)         | 29.8 (2.2)           | 65.9 (2.3)        | 0.5 (0.4)        | 11.9 (1.6)                        | 13.2 (1.7)                | —                               | —                                   | —                          | —   |
| 6 to 9 years old                  | 3,500 (48)   | 46.3 (0.9)                          | 27.7 (0.8)                           | 49.4 (1.3)         | 40.5 (1.3)           | 65.4 (1.2)        | 0.3 (0.2)        | 16.6 (1.0)                        | 21.3 (1.1)                | —                               | —                                   | —                          | —   |
| 10 to 14 years old                | 7,000 (127)  | 70.0 (0.7)                          | 49.6 (0.8)                           | 77.0 (0.8)         | 61.4 (0.9)           | 65.3 (0.9)        | 0.7 (0.2)        | 34.7 (0.9)                        | 39.5 (0.9)                | —                               | —                                   | —                          | —   |
| 15 years old and over             | 5,047 (108)  | 76.9 (0.8)                          | 56.8 (0.9)                           | 81.0 (0.9)         | 81.0 (0.9)           | 64.8 (1.0)        | 1.9 (0.3)        | 57.6 (1.1)                        | 58.3 (1.1)                | 8.1 (0.6)                       | 9.8 (0.6)                           | 3.7 (0.4)                  | 5.2 (0.5)                                     |
| College                           | 6,280 (120)  | 86.6 (0.6)                          | 61.8 (0.9)                           | 82.8 (0.7)         | 90.3 (0.6)           | 51.1 (1.0)        | 8.1 (0.5)        | 76.7 (0.8)                        | 74.2 (0.9)                | 21.2 (0.8)                      | 31.6 (0.9)                          | 23.4 (0.8)                 | 22.9 (0.8)                                    |
| Female                            | 23,683 (223)   | 66.7 (0.4)                          | 44.4 (0.4)                           | 77.4 (0.4)         | 74.0 (0.4)           | 51.5 (0.6)        | 4.0 (0.2)        | 46.3 (0.5)                        | 42.9 (0.5)                | 24.7 (0.6)                      | 22.5 (0.6)                          | 12.5 (0.4)                 | 15.1 (0.5)                                    |
| Elementary/secondary <sup>5</sup> | 15,709 (186)   | 59.7 (0.5)                          | 32.4 (0.5)                           | 65.9 (0.6)         | 65.9 (0.6)           | 51.5 (0.6)        | 0.8 (0.1)        | 32.4 (0.6)                        | 32.9 (0.6)                | 11.3 (0.7)                      | 10.0 (0.7)                          | 2.3 (0.3)                  | 4.5 (0.5)                                     |
| 3 to 5 years old                  | 801 (43)   | 25.1 (1.2)                          | 10.1 (0.8)                           | 28.9 (2.5)         | 31.8 (2.5)           | 63.8 (2.6)        | —                | 10.0 (1.6)                        | 13.0 (1.8)                | —                               | —                                   | —                          | —   |
| 6 to 9 years old                  | 3,342 (88)   | 46.0 (0.9)                          | 26.4 (0.8)                           | 48.0 (1.3)         | 43.4 (1.3)           | 59.3 (1.3)        | 0.8 (0.2)        | 14.4 (0.9)                        | 15.0 (1.0)                | —                               | —                                   | —                          | —   |
| 10 to 14 years old                | 6,707 (124)  | 69.7 (0.7)                          | 49.5 (0.8)                           | 81.1 (0.7)         | 69.3 (0.9)           | 61.0 (0.9)        | 0.5 (0.1)        | 31.0 (0.9)                        | 35.4 (0.9)                | —                               | —                                   | —                          | —   |
| 15 years old and over             | 4,859 (106)  | 78.0 (0.8)                          | 57.5 (1.0)                           | 87.3 (0.7)         | 82.3 (0.8)           | 53.9 (1.1)        | 1.4 (0.3)        | 50.5 (1.1)                        | 45.0 (1.1)                | 11.3 (0.7)                      | 10.0 (0.7)                          | 2.3 (0.3)                  | 4.5 (0.5)                                     |
| College                           | 7,974 (135)  | 86.8 (0.5)                          | 56.4 (0.8)                           | 85.5 (0.6)         | 90.0 (0.5)           | 37.6 (0.8)        | 10.2 (0.5)       | 73.6 (0.8)                        | 62.7 (0.8)                | 32.8 (0.8)                      | 30.2 (0.8)                          | 18.8 (0.7)                 | 21.5 (0.7)                                    |

See notes at end of table.

**Table 426. Use of the Internet by persons 3 years old and over, by type of use and selected characteristics of students and other users: September 2001—Continued**

| Selected characteristic           | Number of persons using the Internet, in thousands | Percent using the Internet anywhere | Percent of Internet users using the Internet for various activities during the year <sup>1</sup> |                    |                      |               |                |                                   |                           |                                 |                                     |   | Look for jobs <sup>2</sup> |
|-----------------------------------|--|-------------------------------------|--|--------------------|----------------------|---------------|----------------|-----------------------------------|---------------------------|---------------------------------|-------------------------------------|---|----------------------------|
|                                   |  |                                     | Percent using the Internet at school   | School assignments | E-mail and messaging | Playing games | Online courses | Product purchases and information | News, weather, and sports | Health information <sup>2</sup> | Government information <sup>2</sup> | Conduct financial transactions <sup>2,3</sup> |                            |
| 1                                 | 2  | 3                                   | 4  | 5                  | 6                    | 7             | 8              | 9                                 | 10                        | 11                              | 12                                  | 13  | 14                         |
| White, non-Hispanic               | 33,287 (258)                                       | 73.4 (0.3)                          | 50.0 (0.4)   | 77.1 (0.4)         | 75.7 (0.4)           | 56.1 (0.4)    | 3.5 (0.2)      | 49.7 (0.4)                        | 47.6 (0.4)                | 20.4 (0.5)                      | 22.1 (0.5)                          | 14.1 (0.4)                                    | 14.2 (0.4)                 |
| Elementary/secondary <sup>5</sup> | 23,057 (221)                                       | 67.5 (0.4)                          | 46.2 (0.5)   | 73.7 (0.4)         | 68.4 (0.5)           | 61.8 (0.5)    | 0.8 (0.1)      | 37.2 (0.5)                        | 37.8 (0.5)                | 9.1 (0.5)                       | 9.5 (0.5)                           | 3.1 (0.3)                                     | 4.2 (0.4)                  |
| 3 to 5 years old                  | 1,213 (53)   | 29.8 (1.1)                          | 11.7 (0.8)   | 27.4 (2.0)         | 32.2 (2.1)           | 64.3 (2.1)    | 0.4 (0.3)      | 11.7 (1.4)                        | 13.4 (1.5)                | —                               | —                                   | —   | —                          |
| 6 to 9 years old                  | 4,962 (107)  | 52.7 (0.8)                          | 30.1 (0.7)   | 47.7 (1.1)         | 44.9 (1.1)           | 61.8 (0.8)    | 0.5 (0.2)      | 16.6 (0.8)                        | 17.8 (0.8)                | —                               | —                                   | —   | —                          |
| 10 to 14 years old                | 9,828 (149)  | 78.9 (0.6)                          | 57.6 (0.7)   | 81.3 (0.6)         | 71.4 (0.7)           | 63.2 (0.7)    | 0.6 (0.1)      | 35.5 (0.7)                        | 38.6 (0.8)                | —                               | —                                   | —   | —                          |
| 15 years old and over             | 7,054 (127)  | 85.8 (0.6)                          | 64.5 (0.8)   | 89.3 (0.6)         | 87.1 (0.6)           | 59.5 (0.9)    | 1.4 (0.2)      | 58.3 (0.9)                        | 54.9 (0.9)                | 9.1 (0.5)                       | 9.5 (0.5)                           | 3.1 (0.3)                                     | 4.2 (0.4)                  |
| College                           | 10,230 (152)                                       | 91.2 (0.4)                          | 61.5 (0.7)   | 85.0 (0.5)         | 92.1 (0.4)           | 43.1 (0.8)    | 9.6 (0.4)      | 78.0 (0.6)                        | 69.8 (0.7)                | 28.1 (0.7)                      | 30.8 (0.7)                          | 2.7 (0.6)                                     | 21.1 (0.6)                 |
| Black, non-Hispanic               | 5,644 (109)  | 52.4 (0.8)                          | 35.0 (0.8)   | 71.0 (1.0)         | 58.4 (1.1)           | 60.4 (1.1)    | 3.2 (0.4)      | 37.3 (1.1)                        | 40.1 (1.1)                | 20.3 (1.2)                      | 22.6 (1.3)                          | 10.1 (0.9)                                    | 20.2 (1.2)                 |
| Elementary/secondary <sup>5</sup> | 3,951 (95)   | 46.6 (0.9)                          | 30.7 (0.8)   | 65.2 (1.2)         | 47.6 (1.3)           | 65.2 (1.2)    | 0.9 (0.2)      | 25.5 (1.1)                        | 31.7 (1.2)                | 8.6 (1.3)                       | 11.3 (1.5)                          | 2.4 (0.7)                                     | 7.6 (1.3)                  |
| 3 to 5 years old                  | 252 (26)   | 24.1 (2.2)                          | 10.9 (1.6)   | 29.9 (4.7)         | 23.3 (4.4)           | 70.9 (4.7)    | —              | 6.0 (2.4)                         | 12.3 (3.4)                | —                               | —                                   | —   | —                          |
| 6 to 9 years old                  | 890 (48)   | 39.0 (1.7)                          | 24.6 (1.5)   | 49.8 (2.7)         | 36.1 (2.6)           | 65.3 (2.6)    | 0.6 (0.4)      | 11.0 (1.7)                        | 20.2 (2.2)                | —                               | —                                   | —   | —                          |
| 10 to 14 years old                | 1,611 (64)   | 51.6 (1.5)                          | 34.2 (1.4)   | 68.5 (1.9)         | 45.3 (2.0)           | 67.1 (1.9)    | 0.7 (0.3)      | 26.8 (1.8)                        | 35.6 (2.0)                | —                               | —                                   | —   | —                          |
| 15 years old and over             | 1,198 (55)   | 58.9 (1.8)                          | 42.5 (1.8)   | 79.5 (1.9)         | 64.2 (2.3)           | 61.5 (2.3)    | 1.6 (0.6)      | 38.8 (2.3)                        | 39.1 (2.3)                | 8.6 (1.3)                       | 11.3 (1.5)                          | 2.4 (0.7)                                     | 7.6 (1.3)                  |
| College                           | 1,693 (65)   | 74.1 (1.5)                          | 51.0 (1.7)   | 84.6 (1.4)         | 83.5 (1.5)           | 49.1 (2.0)    | 8.5 (1.1)      | 64.7 (1.9)                        | 59.7 (2.0)                | 28.6 (1.8)                      | 30.5 (1.8)                          | 15.5 (1.4)                                    | 29.1 (1.8)                 |
| Hispanic                          | 4,573 (106)  | 45.9 (0.9)                          | 30.9 (0.8)   | 73.9 (1.1)         | 55.3 (1.3)           | 54.4 (1.3)    | 3.1 (0.4)      | 38.1 (1.3)                        | 39.3 (1.3)                | 19.1 (1.4)                      | 19.9 (1.5)                          | 11.2 (1.1)                                    | 14.4 (1.3)                 |
| Elementary/secondary <sup>5</sup> | 3,370 (94)   | 40.5 (0.9)                          | 27.0 (0.9)   | 71.5 (1.4)         | 46.2 (1.5)           | 58.5 (1.5)    | 1.4 (0.4)      | 27.8 (1.3)                        | 31.7 (1.4)                | 12.0 (1.7)                      | 8.8 (1.5)                           | 2.4 (0.8)                                     | 6.8 (1.3)                  |
| 3 to 5 years old                  | 194 (24)   | 17.3 (2.0)                          | 8.6 (1.5)  | 34.9 (6.0)         | 25.3 (5.5)           | 63.7 (6.0)    | —              | 7.8 (3.4)                         | 12.5 (4.2)                | —                               | —                                   | —   | —                          |
| 6 to 9 years old                  | 651 (44)   | 27.1 (1.6)                          | 17.0 (1.3)   | 51.3 (3.4)         | 26.7 (3.0)           | 61.5 (3.3)    | —              | 15.0 (2.4)                        | 17.3 (2.6)                | —                               | —                                   | —   | —                          |
| 10 to 14 years old                | 1,423 (64)   | 48.4 (1.6)                          | 32.7 (1.5)   | 76.6 (2.0)         | 43.3 (2.3)           | 58.4 (2.3)    | 0.8 (0.4)      | 23.3 (2.0)                        | 31.0 (2.1)                | —                               | —                                   | —   | —                          |
| 15 years old and over             | 1,103 (57)   | 59.3 (2.0)                          | 42.0 (2.0)   | 83.1 (2.0)         | 65.3 (2.5)           | 56.0 (2.6)    | 3.0 (0.9)      | 44.8 (2.6)                        | 44.2 (2.6)                | 12.0 (1.7)                      | 8.8 (1.5)                           | 2.4 (0.8)                                     | 6.8 (1.3)                  |
| College                           | 1,203 (59)   | 73.4 (1.9)                          | 50.4 (2.2)   | 80.6 (2.0)         | 82.8 (1.9)           | 42.8 (2.5)    | 7.9 (1.4)      | 66.8 (2.4)                        | 60.9 (2.5)                | 25.7 (2.2)                      | 30.2 (2.3)                          | 19.3 (2.0)                                    | 21.4 (2.1)                 |
| Family income <sup>4</sup>        |  |                                     |  |                    |                      |               |                |                                   |                           |                                 |                                     |   |                            |
| Less than \$10,000                | 2,246 (79)   | 49.3 (1.3)                          | 36.4 (1.2)   | 72.6 (1.6)         | 64.5 (1.8)           | 49.0 (1.8)    | 4.9 (0.8)      | 45.8 (1.8)                        | 49.7 (1.8)                | 22.8 (2.0)                      | 25.3 (2.0)                          | 16.4 (1.7)                                    | 20.5 (1.9)                 |
| \$10,000 to \$19,999              | 3,127 (91)   | 48.3 (1.1)                          | 35.1 (1.0)   | 70.3 (1.4)         | 59.4 (1.5)           | 50.9 (1.6)    | 5.2 (0.7)      | 42.8 (1.5)                        | 43.4 (1.5)                | 23.9 (1.8)                      | 29.4 (1.9)                          | 15.5 (1.5)                                    | 18.8 (1.7)                 |
| \$20,000 to \$29,999              | 4,208 (103)  | 56.5 (1.0)                          | 41.0 (1.0)   | 71.2 (1.2)         | 60.5 (1.3)           | 56.8 (1.3)    | 3.8 (0.5)      | 41.5 (1.3)                        | 43.2 (1.3)                | 20.3 (1.5)                      | 23.4 (1.6)                          | 12.2 (1.2)                                    | 19.2 (1.5)                 |
| \$30,000 to \$39,999              | 4,394 (105)  | 61.0 (1.0)                          | 41.2 (1.0)   | 72.3 (1.2)         | 66.2 (1.3)           | 55.3 (1.3)    | 3.5 (0.5)      | 43.4 (1.3)                        | 43.1 (1.3)                | 21.4 (1.5)                      | 23.2 (1.6)                          | 12.2 (1.2)                                    | 18.9 (1.5)                 |
| \$40,000 to \$49,999              | 4,392 (105)  | 69.6 (1.0)                          | 46.5 (1.1)   | 73.3 (1.2)         | 69.4 (1.2)           | 59.5 (1.3)    | 3.5 (0.5)      | 42.5 (1.3)                        | 41.5 (1.3)                | 19.4 (1.5)                      | 24.9 (1.7)                          | 13.6 (1.3)                                    | 12.7 (1.3)                 |
| \$50,000 to \$74,999              | 9,231 (131)  | 73.4 (0.7)                          | 47.7 (0.8)   | 76.0 (0.8)         | 73.3 (0.8)           | 58.1 (0.9)    | 3.1 (0.3)      | 46.3 (0.9)                        | 46.8 (0.9)                | 19.6 (1.0)                      | 20.0 (1.0)                          | 13.2 (0.9)                                    | 14.4 (0.9)                 |
| \$75,000 or more                  | 13,538 (134)                                       | 80.2 (0.5)                          | 53.4 (0.7)   | 80.9 (0.6)         | 80.3 (0.6)           | 56.7 (0.7)    | 3.5 (0.3)      | 53.3 (0.7)                        | 49.5 (0.8)                | 20.0 (0.8)                      | 21.0 (0.8)                          | 14.9 (0.7)                                    | 11.9 (0.7)                 |

<sup>5</sup> Includes prekindergarten through grade 12.

NOTE: Data are based on a sample survey of households and are subject to sampling and nonsampling error. Includes students in both public and private schools and colleges. Detail may not sum to totals due to rounding. Standard errors appear in parentheses.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, September 2001, unpublished data. (This table was prepared February 2003.)

—Not available

#Rounds to zero.

‡ Reporting standards not met.

<sup>1</sup> Individuals may be counted in more than one computer activity.

<sup>2</sup> Data are for persons 15 years old and over.

<sup>3</sup> Includes online banking and stock and securities transactions.

<sup>4</sup> Excludes persons not reporting income.

**Table 427. Percent of home computer users using specific applications, by selected characteristics: October 1997 and September 2001**

| Selected characteristic             | Number of home computer users, 1997, in thousands | Percent of persons using computers at home, 1997 | Number of home computer users, 2001, in thousands | Percent of persons using computers at home, 2001 | Percent of computer users using specific applications, 2001 <sup>1</sup> |                     |                   |  |                               |                    |  |                   |
|-------------------------------------|---|--|---|--|--|---------------------|-------------------|--|-------------------------------|--------------------|--|-------------------|
|                                     |   |  |   |  | Word processing  | Connect to internet | E-mail            | Spread-sheets/ data-bases <sup>2</sup> | Graphics/ design <sup>2</sup> | School assignments | Household records/ finances <sup>2</sup> | Games             |
| 1                                   | 2   | 3  | 4   | 5  | 6  | 7                   | 8                 | 9                                      | 10                            | 11                 | 12                                       | 13                |
| <b>Total, age 3 and over</b> .....  | <b>81,013 (600)</b>                               | <b>31.7 (0.2)</b>                                | <b>138,915 (873)</b>                              | <b>52.4 (0.2)</b>                                | <b>55.0 (0.2)</b>  | <b>83.2 (0.2)</b>   | <b>74.2 (0.2)</b> | — (—)                                  | — (—)                         | <b>25.7 (0.2)</b>  | — (—)                                    | <b>65.6 (0.2)</b> |
| <b>Total, age 15 and over</b> ..... | <b>62,239 (505)</b>                               | <b>30.0 (0.2)</b>                                | <b>109,901 (739)</b>                              | <b>50.8 (0.2)</b>                                | <b>59.2 (0.3)</b>  | <b>89.3 (0.2)</b>   | <b>83.3 (0.2)</b> | <b>31.8 (0.2)</b>                      | <b>25.5 (0.2)</b>             | <b>17.9 (0.2)</b>  | <b>28.5 (0.2)</b>                        | <b>58.2 (0.3)</b> |
| <b>Sex</b>                          |   |  |   |  |  |                     |                   |  |                               |                    |  |                   |
| Male .....                          | 41,260 (413)                                      | 33.1 (0.2)                                       | 68,255 (585)                                      | 52.8 (0.2)                                       | 50.9 (0.3)   | 83.6 (0.2)          | 72.9 (0.3)        | 26.8 (0.3)                             | 20.2 (0.3)                    | 25.1 (0.3)         | 23.4 (0.3)                               | 68.9 (0.3)        |
| Female .....                        | 39,753 (385)                                      | 30.3 (0.2)                                       | 70,660 (573)                                      | 51.9 (0.2)                                       | 58.9 (0.3)   | 82.8 (0.2)          | 75.5 (0.3)        | 23.5 (0.3)                             | 20.2 (0.2)                    | 26.2 (0.3)         | 21.7 (0.2)                               | 62.4 (0.3)        |
| <b>Race/ethnicity</b>               |   |  |   |  |  |                     |                   |  |                               |                    |  |                   |
| White, non-Hispanic .....           | 68,026 (544)                                      | 36.9 (0.2)                                       | 110,314 (757)                                     | 59.1 (0.2)                                       | 55.5 (0.3)   | 84.7 (0.2)          | 76.3 (0.2)        | 25.7 (0.2)                             | 20.4 (0.2)                    | 23.8 (0.2)         | 23.6 (0.2)                               | 65.1 (0.2)        |
| Black, non-Hispanic .....           | 4,943 (136)                                       | 15.6 (0.4)                                       | 11,288 (227)                                      | 33.9 (0.5)                                       | 54.7 (0.8)   | 78.0 (0.7)          | 66.2 (0.8)        | 24.3 (0.7)                             | 20.7 (0.7)                    | 33.1 (0.8)         | 18.9 (0.7)                               | 71.0 (0.8)        |
| Hispanic .....                      | 4,081 (139)                                       | 14.5 (0.4)                                       | 9,830 (241)                                       | 30.6 (0.5)                                       | 48.1 (1.0)   | 72.1 (0.9)          | 59.4 (1.0)        | 18.9 (0.8)                             | 17.2 (0.8)                    | 33.4 (0.9)         | 16.2 (0.7)                               | 68.5 (0.9)        |
| Asian/Pacific Islander .....        | 3,469 (126)                                       | 37.6 (1.0)                                       | 6,519 (185)                                       | 61.1 (0.9)                                       | 57.5 (1.2)   | 86.1 (0.8)          | 77.1 (1.0)        | 27.1 (1.1)                             | 20.3 (1.0)                    | 32.8 (1.1)         | 20.8 (1.0)                               | 58.3 (1.2)        |
| American Indian/Alaska Native ..... | 493 (44)  | 23.0 (1.8)                                       | 964 (63)  | 42.6 (2.1)                                       | 47.8 (3.2)   | 72.3 (2.8)          | 59.8 (3.1)        | 19.2 (2.5)                             | 18.2 (2.5)                    | 29.1 (2.9)         | 16.3 (2.3)                               | 77.2 (2.7)        |
| <b>Age</b>                          |   |  |   |  |  |                     |                   |  |                               |                    |  |                   |
| 3 to 14 .....                       | 18,774 (250)                                      | 39.1 (0.4)                                       | 29,014 (319)                                      | 59.4 (0.4)                                       | 39.0 (0.5)   | 60.2 (0.5)          | 39.9 (0.5)        | — (—)                                  | — (—)                         | 54.9 (0.5)         | — (—)                                    | 93.6 (0.2)        |
| 15 to 19 .....                      | 8,395 (162)                                       | 43.1 (0.6)                                       | 13,624 (210)                                      | 67.4 (0.6)                                       | 70.1 (0.7)   | 87.9 (0.5)          | 80.8 (0.6)        | 25.1 (0.6)                             | 32.3 (0.7)                    | 81.0 (0.6)         | 5.2 (0.3)                                | 81.1 (0.6)        |
| 20 to 24 .....                      | 4,975 (124)                                       | 28.5 (0.6)                                       | 10,471 (182)                                      | 55.1 (0.6)                                       | 65.3 (0.8)   | 88.6 (0.5)          | 83.2 (0.6)        | 31.6 (0.8)                             | 28.9 (0.8)                    | 41.7 (0.8)         | 17.0 (0.6)                               | 68.0 (0.8)        |
| 25 to 29 .....                      | 5,963 (136)                                       | 31.7 (0.6)                                       | 9,729 (175)                                       | 55.3 (0.6)                                       | 58.7 (0.9)   | 91.5 (0.5)          | 86.2 (0.6)        | 35.7 (0.8)                             | 27.3 (0.8)                    | 14.0 (0.6)         | 34.5 (0.8)                               | 59.8 (0.9)        |
| 30 to 39 .....                      | 15,393 (224)                                      | 35.8 (0.4)                                       | 24,514 (290)                                      | 59.9 (0.4)                                       | 56.4 (0.5)   | 90.1 (0.3)          | 84.5 (0.4)        | 34.7 (0.5)                             | 25.9 (0.5)                    | 6.5 (0.3)          | 35.5 (0.5)                               | 57.3 (0.5)        |
| 40 to 49 .....                      | 15,346 (224)                                      | 38.3 (0.4)                                       | 25,022 (293)                                      | 57.7 (0.4)                                       | 58.0 (0.5)   | 90.5 (0.3)          | 83.5 (0.4)        | 33.9 (0.5)                             | 25.4 (0.5)                    | 3.8 (0.2)          | 33.9 (0.5)                               | 52.1 (0.5)        |
| 50 to 59 .....                      | 7,679 (155)                                       | 28.5 (0.5)                                       | 15,887 (228)                                      | 50.2 (0.5)                                       | 58.0 (0.7)   | 89.6 (0.4)          | 83.7 (0.5)        | 33.2 (0.6)                             | 23.0 (0.6)                    | 2.4 (0.2)          | 32.8 (0.6)                               | 46.3 (0.7)        |
| 60 to 69 .....                      | 3,162 (98)  | 16.2 (0.5)                                       | 6,874 (146)                                       | 34.2 (0.6)                                       | 53.6 (1.0)   | 87.0 (0.7)          | 81.8 (0.8)        | 26.7 (0.9)                             | 16.8 (0.8)                    | 0.1 (0.1)          | 29.8 (1.0)                               | 51.1 (1.0)        |
| 70 or older .....                   | 1,327 (63)  | 5.9 (0.3)  | 3,780 (107)                                       | 16.1 (0.4)                                       | 44.7 (1.4)   | 81.2 (1.1)          | 76.0 (1.2)        | 17.8 (1.1)                             | 11.0 (0.9)                    | # (#)              | 26.3 (1.2)                               | 52.8 (1.4)        |
| <b>Family income<sup>3</sup></b>    |   |  |   |  |  |                     |                   |  |                               |                    |  |                   |
| Under \$20,000 .....                | 7,374 (152)                                       | 11.0 (0.2)                                       | 9,589 (174)                                       | 22.6 (0.4)                                       | 49.8 (0.9)   | 70.3 (0.8)          | 61.6 (0.9)        | 18.8 (0.7)                             | 17.4 (0.7)                    | 35.0 (0.8)         | 15.0 (0.6)                               | 73.2 (0.8)        |
| \$20,000 to \$29,999 .....          | 7,819 (156)                                       | 19.9 (0.3)                                       | 10,590 (183)                                      | 35.5 (0.5)                                       | 46.1 (0.8)   | 75.9 (0.7)          | 67.1 (0.8)        | 17.6 (0.6)                             | 17.8 (0.6)                    | 25.5 (0.7)         | 16.1 (0.6)                               | 71.8 (0.8)        |
| \$30,000 to \$39,999 .....          | 10,370 (181)                                      | 28.5 (0.4)                                       | 13,295 (207)                                      | 47.7 (0.5)                                       | 49.0 (0.7)   | 78.0 (0.6)          | 68.8 (0.7)        | 20.5 (0.6)                             | 17.5 (0.6)                    | 24.3 (0.6)         | 19.8 (0.6)                               | 70.1 (0.7)        |
| \$40,000 to \$49,999 .....          | 9,627 (174)                                       | 36.9 (0.5)                                       | 13,222 (206)                                      | 58.9 (0.6)                                       | 52.2 (0.8)   | 81.9 (0.6)          | 72.0 (0.7)        | 21.0 (0.6)                             | 18.6 (0.6)                    | 25.8 (0.7)         | 20.9 (0.6)                               | 71.2 (0.7)        |
| \$50,000 to \$74,999 .....          | 21,685 (271)                                      | 46.5 (0.4)                                       | 30,245 (327)                                      | 67.7 (0.4)                                       | 53.7 (0.5)   | 84.2 (0.4)          | 74.8 (0.4)        | 24.9 (0.4)                             | 20.2 (0.4)                    | 24.9 (0.4)         | 22.5 (0.4)                               | 66.8 (0.5)        |
| \$75,000 or more .....              | 24,138 (287)                                      | 60.3 (0.4)                                       | 44,909 (413)                                      | 79.6 (0.3)                                       | 62.6 (0.4)   | 88.5 (0.3)          | 80.2 (0.3)        | 31.7 (0.4)                             | 23.1 (0.3)                    | 25.4 (0.4)         | 27.5 (0.4)                               | 59.6 (0.4)        |

—Not available.

# Rounds to zero.

<sup>1</sup> Individuals may be counted in more than one computer activity.

<sup>2</sup> Data are for persons 15 years old and over.

<sup>3</sup> Excludes persons not reporting income.

NOTE: Excludes persons under age 3. Detail may not sum to totals due to rounding. Standard errors appear in parentheses.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1997 and September 2001, unpublished data. (This table was prepared March 2003.)

**Table 428. Percent of student home computer users using specific applications, by selected characteristics: September 2001**

| Selected characteristic             | Number of students, in thousands | Number of students using computers at home, in thousands | Percent using computer at home | Percent of home computer users using specific applications <sup>1</sup> |                   |                    |                   |                   |                     |                             |                   |  |
|-------------------------------------|----------------------------------|--|--------------------------------|---|-------------------|--------------------|-------------------|-------------------|---------------------|-----------------------------|-------------------|--|
|                                     |                                  |  |                                | Games   | Internet          | School assignments | E-mail            | Word processing   | Graphics and design | Spread-sheets and databases | Personal finances |  |
| 1                                   | 2                                | 3  | 4                              | 5   | 6                 | 7                  | 8                 | 9                 | 10                  | 11                          | 12                |  |
| <b>Total, all students</b> .....    | <b>70,304 (335)</b>              | <b>48,198 (298)</b>                                      | <b>68.6 (0.3)</b>              | <b>83.3 (0.3)</b>   | <b>74.6 (0.3)</b> | <b>73.9 (0.3)</b>  | <b>61.0 (0.3)</b> | <b>56.6 (0.3)</b> | — (—)               | — (—)                       | — (—)             |  |
| <b>Elementary/secondary</b>         |                                  |  |                                |   |                   |                    |                   |                   |                     |                             |                   |  |
| Under age 6 .....                   | 53,864 (309)                     | 35,429 (265)   | 65.8 (0.3)                     | 90.9 (0.2)  | 68.6 (0.4)        | 68.4 (0.4)         | 51.5 (0.4)        | 48.7 (0.4)        | — (—)               | — (—)                       | — (—)             |  |
| Ages 6 to 9 .....                   | 6,616 (123)                      | 3,584 (91)   | 54.2 (0.9)                     | 94.9 (0.6)  | 31.0 (1.2)        | 17.1 (1.0)         | 11.4 (0.8)        | 11.7 (0.8)        | — (—)               | — (—)                       | — (—)             |  |
| Ages 10 to 14 .....                 | 14,821 (181)                     | 9,197 (144)  | 62.1 (0.6)                     | 95.3 (0.3)  | 51.5 (0.8)        | 42.9 (0.8)         | 26.9 (0.7)        | 25.6 (0.7)        | — (—)               | — (—)                       | — (—)             |  |
| 15 years old or over .....          | 19,633 (209)                     | 13,602 (174)   | 69.3 (0.5)                     | 92.2 (0.4)  | 77.5 (0.6)        | 83.5 (0.5)         | 59.7 (0.6)        | 59.1 (0.6)        | — (—)               | — (—)                       | — (—)             |  |
| White, non-Hispanic .....           | 12,794 (169)                     | 9,047 (143)  | 70.7 (0.6)                     | 92.9 (0.6)  | 87.5 (0.5)        | 91.8 (0.4)         | 80.2 (0.6)        | 71.0 (0.7)        | 32.7 (0.8)          | 23.8 (0.7)                  | 4.2 (0.3)         |  |
| Black, non-Hispanic .....           | 8,222 (137)                      | 6,696 (124)  | 81.4 (0.7)                     | 83.1 (0.7)  | 90.3 (0.6)        | 93.1 (0.5)         | 83.9 (0.7)        | 72.6 (0.8)        | 33.2 (0.9)          | 24.5 (0.8)                  | 4.1 (0.4)         |  |
| Hispanic .....                      | 2,035 (71)                       | 900 (48)   | 44.2 (1.8)                     | 87.9 (1.8)  | 78.4 (2.2)        | 85.7 (1.9)         | 66.2 (2.6)        | 65.3 (2.6)        | 29.4 (2.5)          | 19.3 (2.2)                  | 4.1 (1.1)         |  |
| Asian/Pacific Islander .....        | 1,860 (72)                       | 913 (52)   | 49.1 (2.0)                     | 79.6 (2.3)  | 75.7 (2.5)        | 86.8 (2.0)         | 67.3 (2.7)        | 64.5 (2.8)        | 31.4 (2.7)          | 23.3 (2.4)                  | 4.4 (1.2)         |  |
| American Indian/Alaska Native ..... | 557 (41)                         | 466 (37)   | 83.6 (2.7)                     | 75.9 (3.5)  | 89.2 (2.5)        | 95.5 (1.7)         | 80.4 (3.2)        | 72.2 (3.6)        | 36.5 (3.9)          | 23.2 (3.4)                  | 3.4 (1.5)         |  |
| Undergraduate .....                 | 120 (19)                         | 71 (15)  | 59.0 (7.8)                     | 82.6 (7.9)  | 71.0 (9.4)        | 88.5 (6.6)         | 68.0 (9.7)        | 65.4 (9.9)        | 23.4 (8.8)          | 20.9 (8.4)                  | 10.0 (6.2)        |  |
| White, non-Hispanic .....           | 13,291 (172)                     | 10,047 (151)   | 75.6 (0.6)                     | 67.0 (0.7)  | 90.3 (0.5)        | 89.7 (0.5)         | 86.0 (0.5)        | 76.9 (0.6)        | 33.7 (0.7)          | 37.2 (0.7)                  | 17.7 (0.6)        |  |
| Black, non-Hispanic .....           | 9,010 (143)                      | 7,272 (129)  | 80.7 (0.6)                     | 66.8 (0.8)  | 92.3 (0.5)        | 90.0 (0.5)         | 88.4 (0.6)        | 77.3 (0.8)        | 34.2 (0.9)          | 36.9 (0.9)                  | 18.3 (0.7)        |  |
| Hispanic .....                      | 1,901 (69)                       | 1,099 (53)   | 57.8 (1.9)                     | 70.7 (2.2)  | 84.1 (1.8)        | 89.2 (1.5)         | 78.2 (2.0)        | 76.8 (2.1)        | 33.6 (2.3)          | 41.9 (2.4)                  | 18.7 (1.9)        |  |
| Asian/Pacific Islander .....        | 1,450 (64)                       | 900 (51)   | 62.0 (2.2)                     | 66.2 (2.8)  | 82.2 (2.2)        | 89.4 (1.8)         | 75.1 (2.5)        | 75.0 (2.5)        | 33.4 (2.7)          | 35.7 (2.8)                  | 15.5 (2.1)        |  |
| American Indian/Alaska Native ..... | 837 (50)                         | 708 (46)   | 84.6 (2.2)                     | 62.8 (3.2)  | 91.1 (1.9)        | 86.2 (2.1)         | 87.9 (2.1)        | 75.0 (2.8)        | 29.3 (3.0)          | 35.2 (3.1)                  | 12.3 (2.2)        |  |
| Graduate .....                      | 93 (17)                          | 69 (14)  | 73.6 (8.0)                     | 78.4 (8.7)  | 78.9 (8.6)        | 92.2 (5.6)         | 76.1 (9.0)        | 81.8 (8.1)        | 35.9 (10.1)         | 33.7 (10.0)                 | 10.4 (6.4)        |  |
| Male .....                          | 3,149 (84)                       | 2,722 (80)   | 86.4 (1.1)                     | 44.1 (1.6)  | 94.5 (0.8)        | 87.9 (1.1)         | 92.0 (0.9)        | 85.0 (1.2)        | 35.7 (1.6)          | 50.2 (1.7)                  | 35.5 (1.6)        |  |
| <b>High school</b>                  |                                  |  |                                |   |                   |                    |                   |                   |                     |                             |                   |  |
| Elementary/secondary .....          | 34,800 (263)                     | 23,718 (224)   | 68.2 (0.4)                     | 87.4 (0.3)  | 74.7 (0.4)        | 72.3 (0.4)         | 58.7 (0.5)        | 53.2 (0.5)        | — (—)               | — (—)                       | — (—)             |  |
| Under age 6 .....                   | 27,548 (239)                     | 18,102 (198)   | 65.7 (0.4)                     | 92.7 (0.3)  | 69.1 (0.5)        | 67.4 (0.5)         | 49.6 (0.6)        | 46.0 (0.6)        | — (—)               | — (—)                       | — (—)             |  |
| Ages 6 to 9 .....                   | 3,422 (89)                       | 1,887 (67)   | 55.1 (1.3)                     | 95.7 (0.7)  | 30.9 (1.6)        | 17.4 (1.3)         | 10.5 (1.1)        | 11.9 (1.1)        | — (—)               | — (—)                       | — (—)             |  |
| Ages 10 to 14 .....                 | 7,556 (131)                      | 4,643 (104)  | 61.4 (0.9)                     | 95.3 (0.5)  | 52.1 (1.1)        | 41.8 (1.1)         | 24.9 (1.0)        | 22.9 (0.9)        | — (—)               | — (—)                       | — (—)             |  |
| 15 years old or over .....          | 10,006 (150)                     | 6,919 (126)  | 69.1 (0.7)                     | 93.7 (0.5)  | 77.9 (0.8)        | 82.4 (0.7)         | 56.8 (0.9)        | 55.4 (0.9)        | — (—)               | — (—)                       | — (—)             |  |
| Undergraduate .....                 | 6,563 (123)                      | 4,653 (104)  | 70.9 (0.9)                     | 87.6 (0.7)  | 88.6 (0.7)        | 91.0 (0.6)         | 79.4 (0.9)        | 69.0 (1.0)        | 32.4 (1.1)          | 24.6 (1.0)                  | 3.8 (0.4)         |  |
| Graduate .....                      | 5,954 (117)                      | 4,528 (102)  | 76.0 (0.9)                     | 74.8 (1.0)  | 92.2 (0.6)        | 88.4 (0.7)         | 87.1 (0.8)        | 75.2 (1.0)        | 34.4 (1.1)          | 39.3 (1.1)                  | 17.8 (0.9)        |  |
| Female .....                        | 1,299 (55)                       | 1,088 (51)   | 83.8 (1.6)                     | 50.3 (2.3)  | 93.9 (1.1)        | 85.9 (1.6)         | 92.3 (1.2)        | 80.4 (1.9)        | 36.6 (2.2)          | 52.7 (2.3)                  | 38.9 (2.3)        |  |
| <b>College</b>                      |                                  |  |                                |   |                   |                    |                   |                   |                     |                             |                   |  |
| Elementary/secondary .....          | 35,504 (227)                     | 24,481 (227)   | 69.0 (0.4)                     | 79.3 (0.4)  | 74.5 (0.4)        | 75.6 (0.4)         | 63.2 (0.5)        | 59.9 (0.5)        | — (—)               | — (—)                       | — (—)             |  |
| Under age 6 .....                   | 26,316 (234)                     | 17,327 (194)   | 65.8 (0.4)                     | 89.0 (0.4)  | 68.1 (0.5)        | 69.4 (0.5)         | 53.5 (0.6)        | 51.4 (0.6)        | — (—)               | — (—)                       | — (—)             |  |
| Ages 6 to 9 .....                   | 3,194 (86)                       | 1,697 (63)   | 53.1 (1.4)                     | 94.0 (0.9)  | 31.1 (1.7)        | 16.8 (1.4)         | 12.4 (1.2)        | 11.5 (1.2)        | — (—)               | — (—)                       | — (—)             |  |
| Ages 10 to 14 .....                 | 7,265 (148)                      | 4,554 (103)  | 62.7 (0.9)                     | 95.3 (0.5)  | 51.0 (1.1)        | 44.0 (1.1)         | 28.9 (1.0)        | 28.3 (1.0)        | — (—)               | — (—)                       | — (—)             |  |
| 15 years old or over .....          | 9,627 (148)                      | 6,683 (124)  | 69.4 (0.7)                     | 90.7 (0.5)  | 77.2 (0.8)        | 84.7 (0.7)         | 62.7 (0.9)        | 63.0 (0.9)        | — (—)               | — (—)                       | — (—)             |  |
| Undergraduate .....                 | 6,231 (120)                      | 4,394 (101)  | 70.5 (0.9)                     | 77.8 (1.0)  | 86.3 (0.8)        | 92.7 (0.6)         | 81.0 (0.9)        | 73.2 (1.0)        | 33.0 (1.1)          | 22.9 (1.0)                  | 4.5 (0.5)         |  |
| Graduate .....                      | 7,337 (130)                      | 5,520 (113)  | 75.2 (0.8)                     | 60.6 (1.0)  | 88.7 (0.7)        | 90.9 (0.6)         | 85.1 (0.7)        | 78.3 (0.9)        | 33.1 (1.0)          | 35.5 (1.0)                  | 17.5 (0.8)        |  |

—Not available.

<sup>1</sup> Individuals may be counted in more than one computer activity.

NOTE: Includes students in both public and private schools and colleges. Standard errors appear in parentheses.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, September 2001, unpublished data. (This table was prepared February 2003.)

**Table 429. Student use of computers, by level of enrollment and selected characteristics: 1993, 1997, and 2001**

| Student and school characteristics                                 | October 1993      |                                       |                      | October 1997      |                                       |                      | September 2001    |                                       |                   |                   |                    |                      | College <sup>2</sup> |  |
|--|-------------------|---------------------------------------|----------------------|-------------------|---------------------------------------|----------------------|-------------------|---------------------------------------|-------------------|-------------------|--------------------|----------------------|----------------------|--|
|  | Total             | Elementary and secondary <sup>1</sup> | College <sup>2</sup> | Total             | Elementary and secondary <sup>1</sup> | College <sup>2</sup> | Total             | Elementary and secondary <sup>1</sup> |                   |                   |                    |                      |                      |  |
|  |                   |                                       |                      |                   |                                       |                      |                   | Total                                 | Under 6           | 6 to 9 years old  | 10 to 14 years old | 15 years old or over |                      |  |
| 1  | 2                 | 3                                     | 4                    | 5                 | 6                                     | 7                    | 8                 | 9                                     | 10                | 11                | 12                 | 13                   | 14                   |  |
| <b>Percent of students using computers at school</b>               |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| <b>Total</b>   | <b>59.0 (0.3)</b> | <b>60.1 (0.4)</b>                     | <b>54.7 (0.7)</b>    | <b>68.8 (0.3)</b> | <b>70.4 (0.3)</b>                     | <b>62.9 (0.6)</b>    | <b>82.9 (0.2)</b> | <b>84.2 (0.2)</b>                     | <b>56.0 (0.9)</b> | <b>85.4 (0.4)</b> | <b>90.3 (0.3)</b>  | <b>88.0 (0.4)</b>    | <b>78.5 (0.5)</b>    |  |
| Sex  |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Male   | 59.4 (0.4)        | 59.9 (0.5)                            | 57.4 (1.0)           | 70.1 (0.4)        | 71.0 (0.4)                            | 66.3 (0.9)           | 83.2 (0.3)        | 83.9 (0.3)                            | 55.8 (1.3)        | 85.2 (0.6)        | 90.0 (0.5)         | 87.9 (0.6)           | 80.2 (0.7)           |  |
| Female   | 58.7 (0.4)        | 60.5 (0.5)                            | 52.4 (1.0)           | 67.6 (0.4)        | 69.9 (0.5)                            | 60.2 (0.8)           | 82.6 (0.3)        | 84.5 (0.3)                            | 56.3 (1.4)        | 85.6 (0.6)        | 90.6 (0.5)         | 88.2 (0.6)           | 77.2 (0.7)           |  |
| Race/ethnicity   |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| White, non-Hispanic  | 61.6 (0.4)        | 63.8 (0.4)                            | 54.0 (0.8)           | 71.1 (0.3)        | 73.9 (0.4)                            | 62.1 (0.7)           | 84.1 (0.3)        | 85.9 (0.3)                            | 55.6 (1.2)        | 88.2 (0.5)        | 91.8 (0.4)         | 89.2 (0.5)           | 78.6 (0.6)           |  |
| Black, non-Hispanic  | 51.5 (1.0)        | 50.6 (1.0)                            | 57.0 (2.5)           | 66.3 (0.7)        | 66.1 (0.7)                            | 66.8 (1.8)           | 82.4 (0.6)        | 83.7 (0.7)                            | 56.9 (2.5)        | 83.6 (1.3)        | 89.4 (0.9)         | 89.0 (1.1)           | 77.7 (1.4)           |  |
| Hispanic   | 52.3 (1.5)        | 52.3 (1.2)                            | 52.1 (4.1)           | 61.5 (0.9)        | 61.3 (0.7)                            | 62.6 (2.4)           | 78.8 (0.7)        | 78.9 (0.8)                            | 57.1 (2.6)        | 77.3 (1.5)        | 85.5 (1.1)         | 83.8 (1.5)           | 78.0 (1.8)           |  |
| Other  | 59.0 (2.2)        | 57.7 (2.5)                            | 62.7 (4.2)           | 65.3 (1.3)        | 65.6 (1.5)                            | 64.6 (2.6)           | 80.8 (1.1)        | 81.2 (1.3)                            | 55.8 (4.5)        | 81.9 (2.5)        | 88.6 (1.7)         | 82.5 (2.6)           | 80.0 (1.9)           |  |
| Household income   |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Less than \$5,000  | 51.2 (1.3)        | 48.1 (1.5)                            | 62.4 (2.7)           | 62.1 (1.2)        | 61.6 (1.4)                            | 63.4 (2.4)           | 81.5 (2.0)        | 79.9 (2.6)                            | 63.7 (8.6)        | 81.2 (4.7)        | 85.8 (3.8)         | 78.8 (5.7)           | 84.3 (3.2)           |  |
| \$5,000 to \$9,999   | 53.3 (1.1)        | 53.1 (1.2)                            | 54.3 (2.5)           | 63.5 (1.0)        | 61.9 (1.1)                            | 70.4 (2.2)           | 81.8 (1.7)        | 80.4 (2.0)                            | 54.1 (7.0)        | 79.6 (3.7)        | 89.0 (2.6)         | 82.4 (4.1)           | 87.0 (3.2)           |  |
| \$10,000 to \$14,999   | 56.4 (1.0)        | 56.7 (1.1)                            | 55.1 (2.5)           | 66.2 (1.0)        | 66.4 (1.1)                            | 65.2 (2.3)           | 81.9 (1.4)        | 82.0 (1.6)                            | 53.6 (5.9)        | 82.4 (3.0)        | 88.7 (2.1)         | 86.3 (3.2)           | 81.6 (3.1)           |  |
| \$15,000 to \$19,999   | 58.1 (1.2)        | 59.4 (1.3)                            | 52.3 (2.8)           | 65.9 (1.1)        | 66.5 (1.2)                            | 63.2 (2.7)           | 77.9 (1.8)        | 79.1 (2.0)                            | 58.0 (7.1)        | 77.3 (3.8)        | 84.5 (2.9)         | 83.5 (3.9)           | 73.1 (4.4)           |  |
| \$20,000 to \$24,999   | 56.4 (1.1)        | 56.3 (1.2)                            | 56.6 (2.6)           | 66.9 (1.0)        | 67.5 (1.1)                            | 64.3 (2.2)           | 81.8 (1.4)        | 81.8 (1.6)                            | 48.1 (5.6)        | 85.6 (2.8)        | 89.2 (2.2)         | 85.9 (2.8)           | 81.8 (3.2)           |  |
| \$25,000 to \$29,999   | 60.0 (1.1)        | 61.9 (1.2)                            | 52.4 (2.6)           | 68.5 (1.0)        | 70.4 (1.1)                            | 61.2 (2.4)           | 81.5 (1.5)        | 81.2 (1.7)                            | 51.0 (5.8)        | 83.0 (3.0)        | 88.2 (2.4)         | 86.6 (3.1)           | 82.7 (3.1)           |  |
| \$30,000 to \$34,999   | 59.1 (1.1)        | 61.3 (1.2)                            | 50.5 (2.5)           | 67.6 (1.0)        | 71.0 (1.1)                            | 53.9 (2.3)           | 82.1 (1.4)        | 84.1 (1.5)                            | 51.1 (5.9)        | 85.4 (2.7)        | 91.3 (1.9)         | 88.8 (2.8)           | 75.2 (3.3)           |  |
| \$35,000 to \$39,999   | 60.7 (1.1)        | 63.3 (1.2)                            | 49.0 (2.7)           | 69.0 (1.0)        | 71.1 (1.1)                            | 60.4 (2.4)           | 82.8 (1.5)        | 83.8 (1.6)                            | 57.2 (5.8)        | 84.7 (2.9)        | 92.1 (2.1)         | 87.3 (3.1)           | 78.7 (3.6)           |  |
| \$40,000 to \$49,999   | 59.3 (0.9)        | 60.8 (1.0)                            | 53.1 (2.1)           | 70.5 (0.8)        | 72.6 (0.9)                            | 60.9 (2.0)           | 83.9 (1.1)        | 86.2 (1.1)                            | 56.8 (4.5)        | 87.0 (2.0)        | 94.1 (1.2)         | 88.6 (2.2)           | 74.5 (2.8)           |  |
| \$50,000 to \$74,999   | 62.6 (0.7)        | 64.9 (0.8)                            | 55.0 (1.6)           | 71.7 (0.6)        | 74.2 (0.6)                            | 63.2 (1.3)           | 83.9 (0.7)        | 86.2 (0.8)                            | 56.7 (3.3)        | 88.1 (1.4)        | 91.5 (1.1)         | 90.4 (1.4)           | 76.2 (1.8)           |  |
| \$75,000 or more   | 64.6 (0.9)        | 67.0 (1.0)                            | 58.2 (1.8)           | 72.1 (0.6)        | 75.1 (0.7)                            | 63.9 (1.2)           | 84.8 (0.6)        | 86.8 (0.7)                            | 58.2 (2.9)        | 88.9 (1.2)        | 93.3 (0.8)         | 89.3 (1.3)           | 79.1 (1.4)           |  |
| Control of school  |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Public   | 60.2 (0.3)        | 61.6 (0.4)                            | 54.0 (0.8)           | 70.2 (0.3)        | 72.1 (0.3)                            | 62.3 (0.7)           | — (—)             | — (—)                                 | — (—)             | — (—)             | — (—)              | — (—)                | — (—)                |  |
| Private  | 52.1 (0.9)        | 49.8 (1.1)                            | 57.3 (1.5)           | 60.7 (0.7)        | 58.6 (1.0)                            | 65.2 (1.3)           | — (—)             | — (—)                                 | — (—)             | — (—)             | — (—)              | — (—)                | — (—)                |  |
| <b>Percent of students using computers at home</b>                 |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| <b>Total</b>   | <b>27.0 (0.3)</b> | <b>24.5 (0.3)</b>                     | <b>36.2 (0.7)</b>    | <b>45.1 (0.3)</b> | <b>42.8 (0.3)</b>                     | <b>53.2 (0.6)</b>    | <b>68.6 (0.3)</b> | <b>65.8 (0.3)</b>                     | <b>54.2 (0.9)</b> | <b>62.1 (0.6)</b> | <b>69.3 (0.5)</b>  | <b>70.7 (0.6)</b>    | <b>77.7 (0.5)</b>    |  |
| Sex  |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Male   | 27.4 (0.4)        | 24.3 (0.5)                            | 40.1 (1.0)           | 45.2 (0.4)        | 43.2 (0.5)                            | 53.7 (0.9)           | 68.2 (0.4)        | 65.7 (0.4)                            | 55.1 (1.3)        | 61.4 (0.9)        | 69.1 (0.7)         | 70.9 (0.9)           | 77.4 (0.8)           |  |
| Female   | 26.6 (0.4)        | 24.7 (0.5)                            | 33.0 (0.9)           | 44.9 (0.4)        | 42.5 (0.5)                            | 52.8 (0.8)           | 69.0 (0.4)        | 65.8 (0.4)                            | 53.1 (1.4)        | 62.7 (0.9)        | 69.4 (0.7)         | 70.5 (0.9)           | 77.9 (0.7)           |  |
| Race/ethnicity   |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| White, non-Hispanic  | 32.8 (0.4)        | 30.8 (0.4)                            | 39.2 (0.8)           | 54.9 (0.4)        | 53.9 (0.4)                            | 58.2 (0.7)           | 78.5 (0.3)        | 77.2 (0.3)                            | 66.6 (1.1)        | 73.9 (0.7)        | 80.3 (0.5)         | 81.4 (0.7)           | 82.3 (0.6)           |  |
| Black, non-Hispanic  | 10.9 (0.6)        | 8.7 (0.5)                             | 22.7 (2.0)           | 21.1 (0.6)        | 19.1 (0.6)                            | 31.0 (1.8)           | 45.5 (0.8)        | 41.0 (0.9)                            | 32.2 (2.4)        | 37.3 (1.7)        | 44.5 (1.5)         | 44.2 (1.8)           | 62.4 (1.7)           |  |
| Hispanic   | 10.4 (0.9)        | 7.9 (0.6)                             | 25.0 (3.3)           | 21.1 (0.7)        | 18.3 (0.5)                            | 38.8 (2.4)           | 45.7 (0.9)        | 42.2 (0.9)                            | 30.8 (2.4)        | 37.7 (1.7)        | 45.9 (1.6)         | 49.1 (2.0)           | 63.5 (2.1)           |  |
| Other  | 28.7 (2.0)        | 25.8 (2.2)                            | 36.0 (4.0)           | 49.1 (1.4)        | 46.5 (1.5)                            | 56.3 (2.7)           | 74.8 (1.2)        | 71.6 (1.5)                            | 51.0 (4.5)        | 66.8 (3.0)        | 77.1 (2.2)         | 79.2 (2.7)           | 82.1 (1.9)           |  |
| Household income   |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Less than \$5,000  | 9.7 (0.8)         | 4.3 (0.6)                             | 28.3 (2.4)           | 22.6 (1.0)        | 15.2 (1.0)                            | 43.7 (2.4)           | 39.6 (2.6)        | 25.7 (2.8)                            | 23.4 (7.5)        | 22.2 (5.0)        | 25.9 (4.8)         | 31.5 (6.5)           | 65.5 (4.2)           |  |
| \$5,000 to \$9,999   | 8.0 (0.6)         | 4.2 (0.5)                             | 25.0 (2.1)           | 15.8 (0.8)        | 9.3 (0.7)                             | 42.9 (2.4)           | 33.5 (2.1)        | 24.7 (2.2)                            | 14.8 (5.0)        | 24.1 (3.9)        | 28.8 (3.8)         | 24.4 (4.6)           | 65.0 (4.5)           |  |
| \$10,000 to \$14,999   | 11.4 (0.6)        | 6.7 (0.6)                             | 33.4 (2.3)           | 18.4 (0.8)        | 13.6 (0.8)                            | 39.7 (2.3)           | 41.8 (1.8)        | 34.9 (2.0)                            | 23.4 (5.0)        | 28.2 (3.6)        | 38.2 (3.3)         | 44.7 (4.6)           | 67.1 (3.8)           |  |
| \$15,000 to \$19,999   | 15.1 (0.8)        | 11.2 (0.8)                            | 31.0 (2.4)           | 20.7 (0.9)        | 16.5 (0.9)                            | 41.2 (2.8)           | 45.7 (2.2)        | 38.6 (2.4)                            | 28.6 (6.5)        | 34.3 (4.3)        | 41.5 (4.0)         | 44.7 (5.2)           | 74.6 (4.3)           |  |
| \$20,000 to \$24,999   | 16.8 (0.8)        | 13.6 (0.8)                            | 31.0 (2.3)           | 30.5 (1.0)        | 26.2 (1.0)                            | 47.5 (2.3)           | 48.7 (1.8)        | 43.9 (2.0)                            | 32.0 (5.2)        | 43.4 (3.9)        | 48.0 (3.5)         | 45.2 (4.0)           | 68.0 (3.9)           |  |
| \$25,000 to \$29,999   | 21.1 (0.9)        | 19.1 (1.0)                            | 29.0 (2.3)           | 34.6 (1.0)        | 32.0 (1.1)                            | 45.0 (2.4)           | 54.6 (1.9)        | 50.7 (2.1)                            | 44.8 (5.8)        | 41.7 (3.9)        | 57.5 (3.6)         | 55.5 (4.5)           | 69.6 (3.8)           |  |
| \$30,000 to \$34,999   | 24.1 (0.9)        | 22.6 (1.0)                            | 29.7 (2.1)           | 38.7 (1.0)        | 36.1 (1.1)                            | 49.2 (2.3)           | 61.6 (1.8)        | 59.2 (2.0)                            | 45.2 (5.9)        | 57.7 (3.8)        | 64.9 (3.3)         | 59.6 (4.3)           | 69.8 (3.5)           |  |
| \$35,000 to \$39,999   | 27.1 (1.0)        | 24.9 (1.1)                            | 36.1 (2.4)           | 44.1 (1.1)        | 42.6 (1.2)                            | 50.5 (2.4)           | 67.1 (1.9)        | 64.4 (2.1)                            | 52.6 (5.9)        | 62.4 (3.9)        | 71.0 (3.5)         | 64.9 (4.5)           | 77.7 (3.6)           |  |
| \$40,000 to \$49,999   | 32.2 (0.9)        | 31.6 (1.0)                            | 34.4 (1.9)           | 50.6 (0.9)        | 50.4 (1.0)                            | 51.7 (2.0)           | 75.2 (1.2)        | 73.6 (1.4)                            | 56.6 (4.5)        | 72.3 (2.7)        | 78.2 (2.2)         | 77.2 (2.9)           | 81.6 (2.5)           |  |
| \$50,000 to \$74,999   | 43.0 (0.7)        | 42.9 (0.8)                            | 43.5 (1.5)           | 61.7 (0.6)        | 62.2 (0.7)                            | 59.9 (1.3)           | 81.3 (0.8)        | 80.4 (0.9)                            | 68.6 (3.1)        | 76.8 (1.9)        | 83.5 (1.4)         | 85.5 (1.7)           | 84.5 (1.5)           |  |
| \$75,000 or more   | 56.1 (0.9)        | 58.1 (1.1)                            | 50.9 (1.7)           | 74.2 (0.6)        | 77.2 (0.7)                            | 65.8 (1.2)           | 88.9 (0.6)        | 89.2 (0.6)                            | 78.2 (2.4)        | 87.1 (1.3)        | 92.0 (0.9)         | 92.9 (1.1)           | 87.9 (1.1)           |  |
| Control of school  |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Public   | 25.3 (0.3)        | 23.0 (0.3)                            | 34.5 (0.7)           | 43.2 (0.3)        | 40.9 (0.4)                            | 52.4 (0.7)           | — (—)             | — (—)                                 | — (—)             | — (—)             | — (—)              | — (—)                | — (—)                |  |
| Private  | 37.4 (0.8)        | 35.0 (1.0)                            | 42.5 (1.5)           | 56.1 (0.7)        | 56.1 (1.0)                            | 56.1 (1.3)           | — (—)             | — (—)                                 | — (—)             | — (—)             | — (—)              | — (—)                | — (—)                |  |
| <b>Percent of students using computers at home for school work</b> |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| <b>Total</b>   | <b>14.8 (0.2)</b> | <b>12.0 (0.2)</b>                     | <b>25.0 (0.6)</b>    | <b>28.6 (0.3)</b> | <b>24.8 (0.3)</b>                     | <b>42.5 (0.6)</b>    | <b>50.7 (0.3)</b> | <b>45.0 (0.3)</b>                     | <b>9.3 (0.5)</b>  | <b>26.6 (0.6)</b> | <b>57.9 (0.5)</b>  | <b>64.9 (0.6)</b>    | <b>69.4 (0.6)</b>    |  |
| Sex  |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Male   | 14.7 (0.3)        | 11.4 (0.3)                            | 28.2 (0.9)           | 28.3 (0.4)        | 24.7 (0.4)                            | 43.3 (0.9)           | 49.2 (0.4)        | 44.3 (0.5)                            | 9.6 (0.8)         | 25.7 (0.8)        | 57.0 (0.8)         | 64.5 (0.9)           | 68.1 (0.8)           |  |
| Female   | 14.8 (0.3)        | 12.5 (0.4)                            | 22.4 (0.8)           | 28.9 (0.4)        | 24.9 (0.4)                            | 41.9 (0.8)           | 52.1 (0.4)        | 45.7 (0.5)                            | 8.9 (0.8)         | 27.6 (0.8)        | 58.8 (0.8)         | 65.4 (0.9)           | 70.4 (0.7)           |  |
| Race   |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| White, non-Hispanic  | 18.0 (0.3)        | 15.1 (0.3)                            | 27.4 (0.7)           | 35.0 (0.3)        | 31.3 (0.4)                            | 47.0 (0.7)           | 57.8 (0.4)        | 52.5 (0.4)                            | 9.5 (0.7)         | 30.3 (0.7)        | 68.1 (0.6)         | 75.8 (0.7)           | 73.7 (0.6)           |  |
| Black, non-Hispanic  | 5.7 (0.4)         | 4.3 (0.4)                             | 13.4 (1.6)           | 12.5 (0.5)        | 10.4 (0.5)                            | 22.8 (1.6)           | 34.6 (0.8)        | 28.8 (0.8)                            | 11.2 (1.6)        | 20.5 (1.4)        | 34.9 (1.4)         | 37.9 (1.8)           | 56.1 (1.7)           |  |
| Hispanic   | 5.6 (0.7)         | 3.6 (0.4)                             | 17.8 (2.9)           | 12.5 (0.6)        | 9.8 (0.4)                             | 29.2 (2.2)           | 32.9 (0.8)        | 28.3 (0.9)                            | 5.4 (1.2)         | 17.3 (1.4)        | 36.8 (1.6)         | 42.6 (2.0)           | 56.7 (2.1)           |  |
| Other  | 15.8 (1.6)        | 12.4 (1.6)                            | 24.5 (3.6)           | 33.6 (1.3)        | 29.3 (1.4)                            | 45.3 (2.7)           | 57.5 (1.3)        | 51.0 (1.6)                            | 13.3 (3.0)        | 28.9 (2.9)        | 63.9 (2.5)         | 74.9 (2.9)           | 71.9 (2.2)           |  |
| Household income   |                   |                                       |                      |                   |                                       |                      |                   |                                       |                   |                   |                    |                      |                      |  |
| Less than \$5,000  | 6.6 (0.6)         | 2.4 (0.4)                             | 21.1 (2.2)           | 15.1 (0.9)        | 8.0 (0.8)                             | 35.5 (2.3)           | 32.3 (2.5)        | 17.2 (2.5)                            | 5.0 (3.9)         | 9.1 (3.5)         | 21.7 (4.5)         | 28.4 (6.3)           | 60.5 (4.4)           |  |
| \$5,000 to \$9,999   | 4.7 (0.4)         | 1.5 (0.3)                             | 18.8 (1.9)           | 10.4 (0.6)        | 4.2 (0.5)                             | 36.5 (2.3)           | 26.3 (1.9)        | 16.0 (1.8)                            | 2.8 (2.3)         | 10.4 (2.8)        | 23.1 (3.5)         | 19.1 (4.2)           | 63.4 (4.6)           |  |
| \$10,000 to \$14,999   | 7.2 (0.5)         | 3.0 (0.4)                             | 27.1 (2.1)           | 11.4 (0.6)        | 6.7 (0.6)                             | 32.4 (2.2)           | 31.5 (1.7)        | 23.2 (1.8)                            | 3.3 (2.1)         | 10.2 (2.4)        | 29.9 (3.1)         | 40.0 (4.5)           | 61.9 (3.9)           |  |
| \$15,000 to \$19,999   | 8.5 (0.7)         | 5.6 (0.6)                             | 20.5 (2.1)           | 13.2 (0.8)        | 8.5 (0.7)                             | 36.0 (2.7)           | 31.9 (2.0)        | 23.7 (2.1)                            | 3.0 (2.4)         | 12.1 (3.0)        | 31.7 (3.7)         | 36.5 (5.0)           | 65.5 (4.7)           |  |
| \$20,000 to \$24,999   | 9.7 (0.6)         | 6.3 (0.6)                             | 24.5 (2.1)           | 19.4 (0.8)        | 15.0 (0.8)                            | 37.1 (2.3)           | 34.7 (1.7)        | 27.9 (1.8)                            | 5.3 (2.5)         | 15.6 (2.9)        | 37.6 (3.4)         | 39.7 (4.0)           | 62.2 (4.0)           |  |
| \$25,000 to \$29,999   | 10.3 (0.7)        | 7.5 (0.7)                             | 21.4 (2.1)           | 21.9 (0.9)        | 18.4 (0.9)                            | 35.7 (2.3)           | 38.0 (1.9)        | 31.1 (2.0)                            | 6.0 (2.7)         | 14.5 (2.8)        | 43.6 (3.6)         | 49.2 (4.6)           | 64.0 (4.0)           |  |
| \$30,000 to \$34,999   | 12.9 (0.7)        | 10.8 (0.8)                            | 20.8 (1.9)           | 24.4 (0.9)        | 20.3 (0.9)                            | 40.5 (2.3)           | 43.3 (1.8)        |                                       |                   |                   |                    |                      |                      |  |

**Table 430. Percent of workers, 18 years old and over, using computers on the job, by type of computer application and selected characteristics: 1993, 1997, and 2001**

| Selected characteristic                            | Percent using computers at work, 1993 | Percent using computers at work, 1997 | Percent using computers at work | Number using computers at work, in thousands | 2001   |                  |                     |                 |               |                                      |             |                             |
|--|---------------------------------------|---------------------------------------|---------------------------------|--|--|------------------|---------------------|-----------------|---------------|--------------------------------------|-------------|-----------------------------|
|  |                                       |                                       |                                 |  | Percent of on-the-job computer workers using specific computer applications <sup>1</sup> |                  |                     |                 |               |                                      |             |                             |
|  |                                       |                                       |                                 |  | Spread-sheets/databases  | Inter-net/e-mail | Cal-endar/sched-ule | Graphics/design | Pro-gram-ming | Word proc-essing/desktop pub-lishing | Other uses  | Using 4 or more cat-egories |
| 1  | 2                                     | 3                                     | 4                               | 5  | 6  | 7                | 8                   | 9               | 10            | 11                                   | 12          | 13                          |
| <b>Total</b> .....                                 | <b>45.8</b>                           | <b>49.8 (0.2)</b>                     | <b>54.2 (0.2)</b>               | <b>71,782</b>                                | <b>62.5</b>  | <b>72.2</b>      | <b>53.2</b>         | <b>28.9</b>     | <b>15.3</b>   | <b>67.2</b>                          | <b>13.0</b> | <b>43.9</b>                 |
| <b>Age</b>   |                                       |                                       |                                 |  |  |                  |                     |                 |               |                                      |             |                             |
| 18 to 24 .....                                     | 34.4                                  | 37.1 (0.7)                            | 37.8 (0.6)                      | 6,592  | 53.7   | 58.2             | 47.5                | 21.3            | 12.7          | 55.1                                 | 13.5        | 32.2                        |
| 25 to 29 .....                                     | 48.3                                  | 52.5 (0.7)                            | 56.3 (0.7)                      | 7,871  | 65.9   | 73.7             | 54.9                | 28.6            | 17.2          | 67.5                                 | 12.6        | 46.3                        |
| 30 to 39 .....                                     | 50.7                                  | 53.3 (0.5)                            | 58.4 (0.5)                      | 19,266                                       | 66.5   | 75.0             | 56.6                | 31.5            | 17.4          | 69.5                                 | 12.3        | 48.2                        |
| 40 to 49 .....                                     | 51.3                                  | 54.9 (0.5)                            | 58.6 (0.5)                      | 20,663                                       | 63.6   | 73.5             | 54.9                | 30.4            | 15.9          | 68.8                                 | 12.6        | 45.7                        |
| 50 to 59 .....                                     | 43.9                                  | 50.7 (0.6)                            | 57.4 (0.6)                      | 13,346                                       | 61.2   | 74.0             | 51.3                | 29.2            | 12.5          | 69.1                                 | 13.4        | 43.2                        |
| 60 or older .....                                  | 27.2                                  | 32.6 (0.9)                            | 42.2 (0.9)                      | 4,045  | 50.1   | 65.7             | 40.2                | 20.8            | 12.3          | 61.0                                 | 16.4        | 31.5                        |
| <b>Educational attainment and sex</b>              |                                       |                                       |                                 |  |  |                  |                     |                 |               |                                      |             |                             |
| Not high school completer .....                    | 10.0                                  | 11.9 (0.5)                            | 16.0 (0.5)                      | 2,243  | 43.9   | 45.7             | 40.9                | 15.4            | 10.9          | 44.8                                 | 21.1        | 21.8                        |
| High school completer .....                        | 34.2                                  | 36.4 (0.4)                            | 38.8 (0.4)                      | 16,172                                       | 52.7   | 58.3             | 45.7                | 19.3            | 11.2          | 54.2                                 | 14.5        | 30.0                        |
| Some college .....                                 | 50.4                                  | 53.6 (0.5)                            | 55.8 (0.5)                      | 15,012                                       | 59.3   | 67.0             | 49.8                | 25.6            | 13.7          | 62.1                                 | 13.2        | 38.4                        |
| Associate degree .....                             | 58.2                                  | 60.7 (0.8)                            | 62.0 (0.8)                      | 7,482  | 57.6   | 66.4             | 51.0                | 25.8            | 15.0          | 60.9                                 | 15.0        | 37.9                        |
| Bachelor's degree .....                            | 68.8                                  | 73.9 (0.5)                            | 80.3 (0.4)                      | 20,102                                       | 72.6   | 84.1             | 60.1                | 36.5            | 18.5          | 77.3                                 | 10.9        | 56.2                        |
| Master's degree .....                              | 71.2                                  | 78.7 (0.8)                            | 85.0 (0.7)                      | 7,423  | 72.1   | 86.8             | 61.0                | 41.0            | 19.4          | 84.8                                 | 9.9         | 60.1                        |
| Doctor's or professional degree .....              | 66.9                                  | 74.6 (1.2)                            | 82.5 (1.0)                      | 3,348  | 65.8   | 88.2             | 58.1                | 33.2            | 17.7          | 81.9                                 | 14.4        | 54.4                        |
| <b>Male</b>  |                                       |                                       |                                 |  |  |                  |                     |                 |               |                                      |             |                             |
| Not high school completer .....                    | 8.5                                   | 9.8 (0.5)                             | 12.9 (0.6)                      | 1,140  | 43.1   | 50.2             | 39.0                | 16.9            | 12.4          | 40.2                                 | 19.8        | 20.9                        |
| High school completer .....                        | 24.2                                  | 27.1 (0.5)                            | 29.3 (0.5)                      | 6,545  | 50.0   | 57.9             | 44.8                | 21.4            | 15.1          | 45.4                                 | 16.2        | 29.3                        |
| Some college .....                                 | 42.8                                  | 46.0 (0.7)                            | 50.0 (0.7)                      | 6,780  | 59.6   | 67.6             | 49.8                | 27.8            | 17.5          | 56.1                                 | 14.0        | 39.2                        |
| Associate degree .....                             | 52.6                                  | 55.2 (1.2)                            | 57.5 (1.1)                      | 3,285  | 60.3   | 70.7             | 50.9                | 29.1            | 21.8          | 57.0                                 | 13.8        | 41.1                        |
| Bachelor's degree .....                            | 69.8                                  | 74.3 (0.7)                            | 79.7 (0.6)                      | 10,536                                       | 76.6   | 87.2             | 64.0                | 39.5            | 24.7          | 76.3                                 | 10.4        | 60.7                        |
| Master's degree .....                              | 75.4                                  | 79.8 (1.1)                            | 85.0 (0.9)                      | 3,881  | 78.0   | 89.8             | 65.7                | 42.9            | 25.3          | 83.2                                 | 9.2         | 65.6                        |
| Doctor's or professional degree .....              | 66.5                                  | 73.4 (1.4)                            | 81.9 (1.2)                      | 2,279  | 67.8   | 89.0             | 60.5                | 34.4            | 19.7          | 81.5                                 | 13.9        | 55.8                        |
| <b>Female</b>                                      |                                       |                                       |                                 |  |  |                  |                     |                 |               |                                      |             |                             |
| Not high school completer .....                    | 12.5                                  | 15.4 (0.8)                            | 21.3 (0.9)                      | 1,103  | 44.8   | 41.1             | 43.0                | 14.0            | 9.5           | 49.6                                 | 22.3        | 22.8                        |
| High school completer .....                        | 45.2                                  | 46.9 (0.6)                            | 49.7 (0.6)                      | 9,627  | 54.6   | 58.5             | 46.4                | 17.9            | 8.5           | 60.3                                 | 13.3        | 30.4                        |
| Some college .....                                 | 58.6                                  | 61.5 (0.7)                            | 61.8 (0.7)                      | 8,232  | 58.9   | 66.6             | 49.9                | 23.9            | 10.6          | 67.0                                 | 12.6        | 37.8                        |
| Associate degree .....                             | 63.7                                  | 65.4 (1.0)                            | 66.0 (0.9)                      | 4,196  | 55.5   | 63.1             | 51.1                | 23.2            | 9.6           | 64.0                                 | 15.9        | 35.4                        |
| Bachelor's degree .....                            | 67.6                                  | 73.5 (0.7)                            | 81.0 (0.6)                      | 9,566  | 68.2   | 80.7             | 55.9                | 33.2            | 11.8          | 78.5                                 | 11.4        | 51.4                        |
| Master's degree .....                              | 66.5                                  | 77.5 (1.1)                            | 85.0 (0.9)                      | 3,542  | 65.5   | 83.5             | 55.8                | 38.8            | 12.9          | 86.5                                 | 10.6        | 54.1                        |
| Doctor's or professional degree .....              | 68.2                                  | 77.6 (2.1)                            | 84.0 (1.6)                      | 1,069  | 61.7   | 86.3             | 52.9                | 30.5            | 13.5          | 82.7                                 | 15.4        | 51.5                        |
| <b>Race/ethnicity</b>                              |                                       |                                       |                                 |  |  |                  |                     |                 |               |                                      |             |                             |
| White, non-Hispanic .....                          | 48.7                                  | 53.8 (0.3)                            | 59.0 (0.3)                      | 57,160                                       | 63.2   | 73.2             | 53.2                | 29.4            | 14.9          | 67.8                                 | 13.2        | 44.6                        |
| Black, non-Hispanic .....                          | 36.2                                  | 40.0 (0.7)                            | 43.8 (0.7)                      | 6,460  | 57.1   | 67.2             | 54.0                | 26.4            | 16.0          | 62.8                                 | 13.0        | 39.9                        |
| Hispanic .....                                     | 29.3                                  | 30.2 (0.8)                            | 32.4 (0.8)                      | 4,730  | 58.1   | 61.9             | 49.8                | 22.9            | 12.6          | 64.2                                 | 11.7        | 36.7                        |
| Asian, Pacific Islander .....                      | —                                     | — (—)                                 | 56.8 (—)                        | 3,012  | 67.2   | 77.9             | 56.2                | 32.8            | 24.7          | 68.5                                 | 11.4        | 51.2                        |
| American Indian, Alaska Native .....               | —                                     | — (—)                                 | 45.5 (—)                        | 419  | 62.3   | 76.2             | 59.5                | 33.1            | 22.9          | 70.0                                 | 14.4        | 47.3                        |
| <b>Occupational group</b>                          |                                       |                                       |                                 |  |  |                  |                     |                 |               |                                      |             |                             |
| Managerial and professional specialty .....        | 67.7                                  | 74.6 (0.4)                            | 79.7 (0.3)                      | 33,357                                       | 70.3   | 82.7             | 60.8                | 37.2            | 18.6          | 78.3                                 | 11.0        | 56.0                        |
| Executive, administrative, and managerial .....    | 72.3                                  | 77.5 (0.5)                            | 80.4 (0.5)                      | 16,289                                       | 77.0   | 83.5             | 65.3                | 34.5            | 16.6          | 79.0                                 | 9.4         | 58.7                        |
| Professional specialty occupations .....           | 68.3                                  | 71.7 (0.6)                            | 79.0 (0.5)                      | 17,069                                       | 63.9   | 81.9             | 56.5                | 39.9            | 20.5          | 77.7                                 | 12.5        | 53.4                        |
| Teachers, except college and university .....      | 49.1                                  | 60.3 (1.2)                            | 72.0 (1.0)                      | 3,957  | 58.2   | 78.3             | 50.0                | 42.8            | 11.6          | 85.0                                 | 11.3        | 49.9                        |
| Teachers, college and university .....             | 72.5                                  | 79.9 (2.2)                            | 88.7 (1.7)                      | 909  | 72.7   | 94.1             | 50.4                | 46.9            | 25.6          | 92.1                                 | 17.0        | 64.8                        |
| Technical, sales, and administrative support ..... | 65.5                                  | 79.1 (0.4)                            | 68.1 (0.4)                      | 25,808                                       | 60.0   | 67.7             | 48.7                | 22.5            | 12.5          | 62.9                                 | 13.0        | 37.1                        |
| Technicians and related support .....              | 69.9                                  | 75.1 (1.1)                            | 75.0 (1.1)                      | 3,443  | 59.3   | 70.4             | 52.4                | 29.3            | 26.9          | 58.6                                 | 14.3        | 41.9                        |
| Sales occupations .....                            | 48.8                                  | 54.8 (0.7)                            | 59.3 (0.7)                      | 9,037  | 60.6   | 70.1             | 49.2                | 25.8            | 11.2          | 60.4                                 | 14.2        | 39.5                        |
| Administrative support, including clerical .....   | 76.7                                  | 77.6 (0.5)                            | 73.8 (0.6)                      | 13,328                                       | 59.7   | 65.3             | 47.4                | 18.6            | 9.6           | 65.7                                 | 11.9        | 34.2                        |
| Service occupations .....                          | 14.7                                  | 16.4 (0.5)                            | 23.8 (0.6)                      | 4,090  | 44.8   | 52.5             | 46.9                | 17.8            | 9.1           | 53.8                                 | 17.9        | 26.2                        |
| Precision production, craft, and repair .....      | 23.2                                  | 25.0 (0.6)                            | 30.0 (0.7)                      | 4,440  | 51.6   | 59.9             | 45.4                | 23.7            | 17.5          | 46.5                                 | 17.5        | 30.8                        |
| Operators, fabricators, and laborers .....         | 14.9                                  | 17.3 (0.5)                            | 19.7 (0.5)                      | 3,423  | 41.2   | 43.2             | 32.6                | 17.0            | 9.6           | 35.5                                 | 20.7        | 18.5                        |
| Farming, forestry, and fishing .....               | 8.5                                   | 9.3 (0.9)                             | 19.5 (1.2)                      | 664  | 61.0   | 67.7             | 43.5                | 21.6            | 10.8          | 60.9                                 | 12.3        | 31.3                        |
| <b>Family income<sup>2</sup></b>                   |                                       |                                       |                                 |  |  |                  |                     |                 |               |                                      |             |                             |
| Less than \$20,000 .....                           | 25.1                                  | 26.7 (0.5)                            | 28.0 (0.7)                      | 3,780  | 49.0   | 52.8             | 40.6                | 21.2            | 11.2          | 51.9                                 | 19.4        | 27.6                        |
| \$20,000 to \$29,999 .....                         | 38.4                                  | 38.4 (0.6)                            | 37.5 (0.7)                      | 4,914  | 51.5   | 59.7             | 42.0                | 21.3            | 11.2          | 56.1                                 | 19.3        | 30.5                        |
| \$30,000 to \$39,999 .....                         | 45.7                                  | 45.8 (0.6)                            | 47.3 (0.7)                      | 6,792  | 56.5   | 63.1             | 44.9                | 23.9            | 13.0          | 60.8                                 | 15.9        | 35.3                        |
| \$40,000 to \$49,999 .....                         | 51.9                                  | 52.3 (0.7)                            | 52.3 (0.8)                      | 6,430  | 58.8   | 68.4             | 50.5                | 27.3            | 13.9          | 62.9                                 | 14.3        | 39.3                        |
| \$50,000 to \$74,999 .....                         | 60.6                                  | 59.9 (0.5)                            | 60.8 (0.5)                      | 16,081                                       | 63.2   | 71.6             | 52.5                | 28.9            | 15.7          | 66.1                                 | 12.7        | 43.2                        |
| \$75,000 or more .....                             | 65.9                                  | 69.7 (0.5)                            | 73.4 (0.4)                      | 24,874                                       | 69.9   | 81.8             | 61.1                | 33.7            | 17.7          | 75.4                                 | 10.3        | 53.9                        |
| Income not reported <sup>3</sup> .....             | —                                     | — (—)                                 | 47.0 (0.6)                      | 8,911  | 59.7   | 70.9             | 51.9                | 28.0            | 14.7          | 67.1                                 | 11.7        | 41.7                        |

—Not available.

<sup>1</sup> Individuals may be counted in more than one computer activity.

<sup>2</sup> Data for 1993 and 1997 excludes persons whose income data were unavailable.

<sup>3</sup> Includes survey respondents who did not know income, left the question blank, or refused to provide income information.

NOTE: Data are based on a sample survey of households and are subject to sampling and nonsampling error. Standard errors appear in parentheses.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1993, October 1997, and September 2001, unpublished data. (This table was prepared September 2002.)