

## CHAPTER 7

# Libraries and Educational Technology

This chapter contains statistics on libraries and on the use of information technologies. These data show the extent of America's access to information technologies outside of formal classroom activities. The data also provide a capsule description of the magnitude and availability of library resources. Access to information has been widely cited as the key to success in a growing number of endeavors. Thus, how information is made available and to whom are matters of concern.

The first section of the chapter (tables 414 to 416 and 419 to 422) deals with public libraries, public and private school libraries, and college and university libraries. It contains data on collections, population served, staff, and expenditures. Two tables provide institutional-level information for the largest public libraries and the largest college libraries in the country.

The second half of the chapter (tables 418, 419, and 423 to 427) provides information on the availability and use of technology. For example, the proportion of children using computers at school is shown over time. Also included are data on the use of home computers by adults and school children, with comparisons among various demographic groups.

Related data may be found in various sections of this report. 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 in the publications cited in the source notes.

### Libraries

In 1993–94, there were 83 school library visits each week per 100 public school students. Elementary school students were more likely to visit their school libraries (89 visits per 100 students each week) than secondary school students (69 per 100). Private school students were slightly less likely to visit their libraries (77 per 100). The average number of library staff per school was 1.8 at public schools, and 1.2 at private schools. Public school libraries generally had smaller numbers of books on a per student basis than private school libraries. In 1993–94, public school libraries held an average of 2,585

books per 100 students compared to an average of 3,716 per 100 students at private schools. Although public elementary school libraries had slightly smaller holdings than public secondary schools on a per student basis, the elementary school students checked out twice as many books on a per student basis (1.5 per week compared to .7 per week) (table 414).

The increase in college library resources kept pace with increases in enrollment between 1984–85 and 1994–95. The library staff to student ratio decreased slightly from 153 students per staff member to 150 students per staff member. The library operating expenditure per student average rose 9 percent in constant dollars from 1984–85 to \$417 in 1994–95. However, other college expenditures rose faster than library expenditures and the proportion of college education budgets spent on libraries fell from 3.4 percent in 1984–85 to 2.9 percent in 1994–95 (table 419).

In 1996, there were 8,946 public libraries in the United States with 711 million books and serial volumes. The annual attendance per capita was 4.0 and the reference transactions per capita was 1.1 (table 421).

### Educational Technology

There has been widespread introduction of computers into the schools in recent years. In 1999, the average public school contained 100 computers. One important technological advance that has come to schools following the introduction of computers has been connections to the Internet. The proportion of schools with Internet access has increased rapidly from 35 percent in 1994 to 95 percent in 1999. About 63 percent of instructional rooms had access to the Internet in 1999 (table 418).

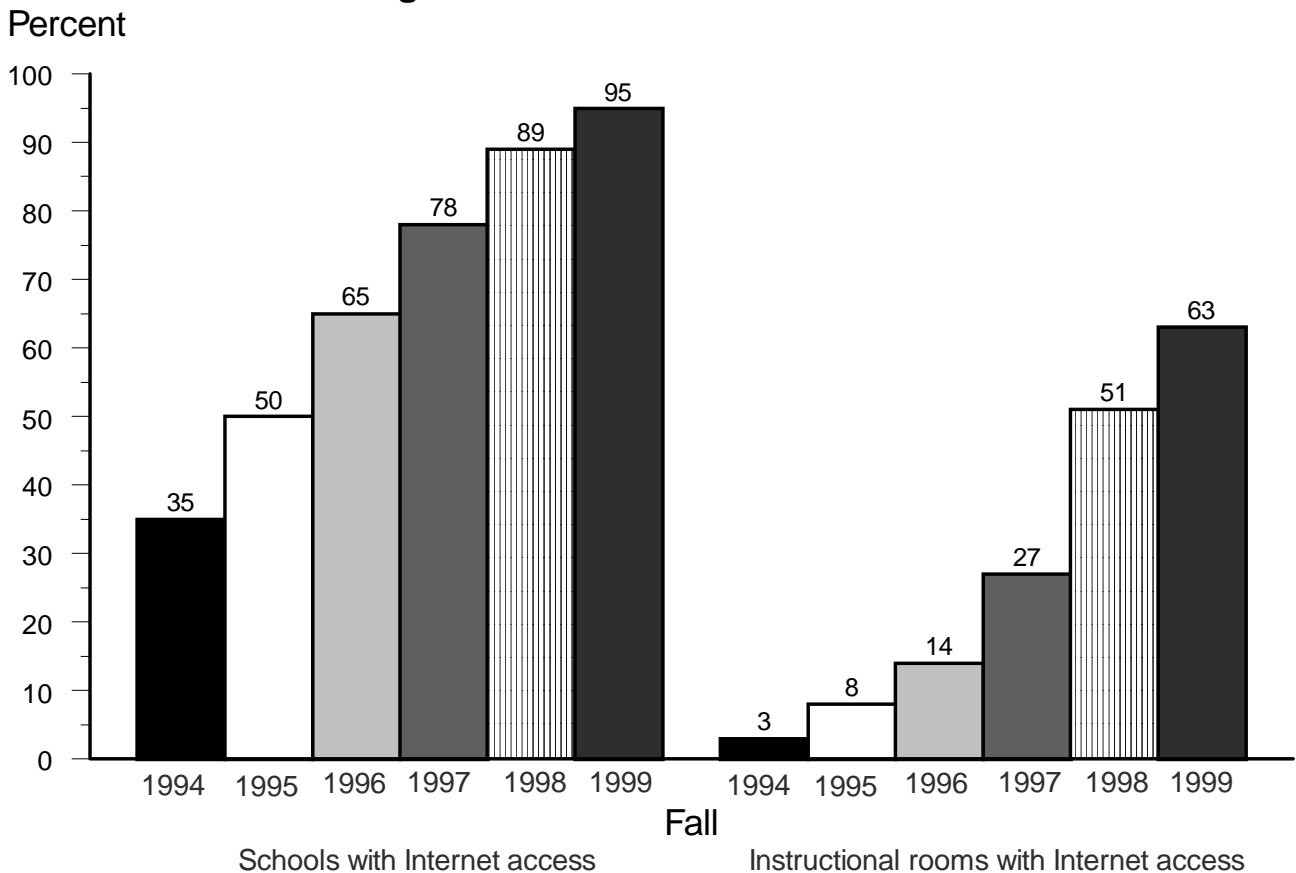
The total computer usage rate of students at school increased from 59 percent in 1993 to 69 percent in 1997. The rate for grades 1 to 8 increased from 69 percent in 1993 to 79 percent in 1997. The school computer usage rate in 1997 was 70 percent for students in high school and 65 percent for undergraduate students in college. At that time, sizable percentages of students used computers at home, though fewer actually used them for schoolwork. About 43 percent of elementary school children used computers at home and about 24 percent used them for schoolwork. Students at the high school and un-

dergraduate levels were more likely than elementary school children to use home computers for schoolwork. In general, students in higher income families were much more likely to use computers at home and use them for schoolwork than students from lower income families. About 13 percent of the high school students in the \$15,000 to \$19,999 household income group used computers at home for school work compared to 66 percent in the \$75,000 and over income group (table 427).

The use of computers has become widespread in the workplace. In 1997, 50 percent of all workers used computers on the job. More frequent use of computers was associated with higher levels of education and higher incomes. Thirty-six percent of high school graduates and 12 percent of high school

dropouts used computers at work compared to 79 percent of those with master's degrees. Among those who did use computers, the master's degree recipients were the most likely to use the computers for a wide variety of applications. Among the most common applications for all employees using computers on the job were: bookkeeping/invoicing (66 percent), word processing (57 percent), communications (47 percent), analysis/spreadsheets (41 percent), and calendar/schedule (38 percent). Workers in the 25- to 59-year-old age range were more likely to use computers than younger or older workers. Elementary and secondary teachers were less likely to use computers than persons employed in other managerial or professional fields (table 423).

**Figure 33.— Percent of all public schools and instructional rooms having Internet access: Fall 1994 to fall 1999**



SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Advanced Telecommunications in U.S. Elementary and Secondary Public Schools*, Fall 1996, and *Internet Access in Public Schools and Classrooms: 1994-99*.

**Table 414.—Percentage of school library/media centers that offered selected services and equipment, and library/media center expenditures, by control and level of school: 1993–94**

Selected statistics	Public				Private			
	Total	Elementary	Secondary	Combined	Total	Elementary	Secondary	Combined
1	2	3	4	5	6	7	8	9
<b>Number of schools with libraries</b> .....	<b>72,286</b> —	<b>53,059</b> —	<b>17,356</b> —	<b>1,871</b> —	<b>19,301</b> —	<b>10,880</b> —	<b>4,178</b> —	<b>4,243</b> —
Average number of staff per library								
Total .....	1.81 (0.02)	1.69 (0.03)	2.12 (0.03)	1.71 (0.07)	1.23 (0.03)	1.09 (0.03)	1.58 (0.06)	1.25 (0.07)
Certified library/media specialists .....	0.86 (0.01)	0.79 (0.02)	1.03 (0.02)	0.79 (0.05)	0.28 (0.01)	0.20 (0.02)	0.47 (0.03)	0.30 (0.02)
Full-time .....	0.61 (0.01)	0.51 (0.01)	0.84 (0.02)	0.51 (0.03)	0.17 (0.01)	0.07 (0.01)	0.35 (0.03)	0.21 (0.02)
Part-time .....	0.25 (0.01)	0.28 (0.02)	0.19 (0.01)	0.28 (0.04)	0.11 (0.01)	0.12 (0.02)	0.11 (0.01)	0.09 (0.02)
Other professional staff .....	0.27 (0.01)	0.27 (0.01)	0.26 (0.02)	0.29 (0.03)	0.66 (0.02)	0.65 (0.02)	0.65 (0.04)	0.70 (0.06)
Full-time .....	0.13 (0.01)	0.13 (0.01)	0.14 (0.01)	0.13 (0.03)	0.23 (0.02)	0.19 (0.01)	0.26 (0.03)	0.32 (0.04)
Part-time .....	0.13 (0.01)	0.14 (0.01)	0.13 (0.01)	0.16 (0.02)	0.43 (0.01)	0.47 (0.02)	0.39 (0.03)	0.39 (0.04)
Other paid employees .....	0.68 (0.02)	0.63 (0.02)	0.83 (0.02)	0.62 (0.04)	0.29 (0.02)	0.24 (0.02)	0.46 (0.03)	0.25 (0.03)
Full-time .....	0.34 (0.01)	0.28 (0.01)	0.49 (0.02)	0.29 (0.03)	0.07 (0.01)	0.05 (0.01)	0.12 (0.02)	0.07 (0.01)
Part-time .....	0.34 (0.01)	0.34 (0.02)	0.34 (0.02)	0.33 (0.03)	0.22 (0.01)	0.19 (0.02)	0.34 (0.02)	0.18 (0.03)
Percentage of schools' library media centers with the following equipment								
Telephone .....	61.2 (1.3)	55.8 (1.8)	74.7 (1.6)	51.6 (3.3)	40.8 (1.3)	30.7 (1.6)	52.8 (2.5)	54.6 (4.2)
Fax machine .....	7.8 (0.5)	4.7 (0.6)	15.1 (0.8)	8.8 (1.4)	5.1 (0.5)	3.1 (0.6)	7.9 (1.1)	7.4 (1.2)
Computer with modem .....	34.3 (1.0)	28.3 (1.2)	48.2 (1.5)	38.1 (3.0)	19.5 (1.0)	12.2 (1.5)	30.2 (1.9)	27.9 (2.7)
Automated catalog .....	24.0 (0.9)	20.3 (1.1)	32.8 (1.1)	20.5 (1.9)	9.7 (0.7)	5.5 (0.5)	15.8 (1.9)	14.4 (2.3)
Automated circulation system .....	37.9 (1.1)	34.1 (1.6)	47.7 (1.3)	27.8 (2.6)	9.5 (0.7)	5.4 (0.6)	16.0 (1.8)	13.8 (1.8)
Database searching with CD-ROM .....	31.2 (0.8)	23.9 (1.2)	48.1 (1.3)	31.4 (3.1)	13.9 (0.8)	6.3 (0.8)	25.7 (1.6)	21.6 (2.2)
On-line database searching .....	9.4 (0.5)	5.4 (0.5)	18.9 (0.9)	8.8 (1.5)	5.5 (0.5)	0.7 (0.3)	12.2 (1.2)	11.0 (1.7)
Compact disc for periodical indices, etc. ....	46.7 (1.1)	39.6 (1.5)	63.5 (1.3)	46.6 (3.7)	19.6 (1.0)	12.3 (1.1)	33.5 (2.2)	24.6 (2.2)
Video laser disc .....	31.9 (1.0)	30.3 (1.3)	36.1 (1.3)	26.1 (2.8)	6.3 (0.6)	4.8 (0.7)	9.9 (1.2)	6.9 (1.1)
Connection to Internet .....	12.0 (0.6)	9.5 (0.8)	17.5 (0.8)	15.0 (1.9)	5.3 (0.5)	2.8 (0.8)	9.2 (1.1)	7.5 (1.2)
Cable television .....	76.2 (0.8)	75.0 (1.1)	80.6 (0.9)	57.7 (3.6)	39.9 (1.3)	42.6 (2.0)	43.1 (2.8)	30.1 (2.7)
Broadcast television .....	48.6 (1.0)	48.0 (1.4)	49.9 (1.3)	48.1 (3.1)	39.9 (1.6)	42.9 (1.9)	39.7 (2.5)	32.2 (3.9)
Closed circuit television .....	25.5 (0.7)	22.0 (1.0)	34.0 (1.0)	20.9 (2.2)	8.8 (0.7)	5.7 (1.0)	19.2 (1.6)	6.3 (1.5)
Satellite dish .....	22.9 (0.6)	14.4 (0.7)	41.1 (1.1)	45.2 (3.0)	8.7 (0.9)	5.6 (0.9)	15.6 (1.2)	9.8 (2.5)
Total students using library per 100 students each week <sup>1</sup> .....	83.4 (0.4)	88.9 (0.5)	68.6 (0.9)	66.4 (1.8)	76.5 (0.9)	84.9 (1.0)	64.6 (1.7)	60.0 (2.6)
Books checked out per 100 students each week <sup>1</sup> .....	128 (2)	150 (3)	67 (4)	85 (8)	116 (18)	146 (28)	47 (8)	68 (5)
Percentage of schools offering—								
Microcomputers .....	90.1 (0.7)	88.5 (1.0)	94.0 (1.0)	87.4 (1.5)	75.8 (1.6)	72.8 (2.1)	80.6 (2.9)	78.5 (3.5)
Long distance learning .....	19.0 (0.8)	15.9 (1.1)	24.8 (1.0)	36.4 (2.6)	8.8 (0.9)	8.3 (0.9)	8.2 (1.6)	10.9 (2.9)
Average holdings per 100 students at the end of the 1992–93 school year								
Books (number of volumes) .....	2,585 (57)	2,467 (81)	2,891 (101)	3,085 (262)	3,716 (252)	3,455 (349)	5,383 (726)	3,677 (286)
Current serial subscriptions (print/microfilm) .....	9 (2)	7 (2)	14 (1)	15 (3)	8 (1)	7 (1)	16 (1)	8 (1)
Video materials (tape and disc) .....	38 (2)	35 (2)	46 (2)	70 (11)	47 (5)	44 (5)	50 (6)	54 (10)
Other audiovisual materials .....	116 (4)	114 (6)	117 (7)	187 (24)	76 (6)	74 (5)	120 (16)	63 (16)
Microcomputer software .....	18 (1)	20 (1)	12 (1)	21 (2)	26 (4)	28 (5)	11 (4)	26 (9)
CD-ROM titles .....	1 (2)	1 (2)	2 (2)	3 (2)	1 (2)	— (2)	2 (1)	2 (1)
Locally budgeted expenditures <sup>3</sup> per student, 1992–93								
Books .....	\$8.52 (0.23)	\$7.80 (0.25)	\$10.06 (0.42)	\$14.40 (2.06)	\$7.86 (0.45)	\$6.94 (0.52)	\$12.86 (1.26)	\$8.09 (0.97)
Current serial subscriptions (print/microfilm) .....	2.18 (0.05)	1.49 (0.06)	4.15 (0.14)	3.33 (0.30)	1.57 (0.09)	0.95 (0.10)	4.83 (0.36)	1.78 (0.20)
Video materials (tape and disc) .....	1.24 (0.04)	1.04 (0.05)	1.77 (0.10)	1.74 (0.35)	1.07 (0.09)	0.87 (0.08)	1.49 (0.15)	1.40 (0.27)
Other audiovisual materials .....	0.82 (0.04)	0.77 (0.06)	0.87 (0.07)	1.54 (0.30)	0.55 (0.05)	0.55 (0.06)	0.72 (0.10)	0.45 (0.11)
Microcomputer software .....	1.09 (0.09)	0.89 (0.07)	1.50 (0.35)	2.84 (0.90)	1.41 (0.19)	1.25 (0.20)	1.86 (0.59)	1.63 (0.36)
CD-ROM titles .....	0.63 (0.05)	0.38 (0.06)	1.24 (0.09)	2.09 (0.53)	0.69 (0.17)	0.59 (0.25)	1.69 (0.18)	0.53 (0.11)
Expenditures (all sources) per student, 1992–93								
Total, library/media materials .....	17.18 (0.35)	14.86 (0.45)	22.71 (0.82)	31.11 (3.02)	15.96 (0.80)	13.68 (0.92)	27.29 (2.29)	16.99 (1.53)
Microcomputer hardware .....	3.84 (0.25)	3.43 (0.33)	4.73 (0.46)	7.15 (1.42)	3.60 (0.59)	2.62 (0.55)	8.68 (1.87)	3.98 (1.27)
Audiovisual equipment .....	2.24 (0.15)	2.00 (0.17)	2.98 (0.46)	2.25 (0.30)	1.57 (0.19)	1.39 (0.25)	3.12 (0.60)	1.37 (0.32)
On-line database searching/electronic communications .....	0.30 (0.04)	0.25 (0.06)	0.43 (0.05)	0.55 (0.26)	0.31 (0.13)	0.29 (0.19)	0.60 (0.16)	0.24 (0.06)

—Not available.

<sup>1</sup> During the most recent full week of school.<sup>2</sup> Standard error less than .5.<sup>3</sup> Locally budgeted expenditures exclude federal gifts and grants.

NOTE: Percentages are based on schools that have library/media centers. In school year 1990–91, 96 percent of public schools had library/media centers. Standard errors appear in parentheses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Schools and Staffing Survey, 1993–94*, unpublished data. (This table was prepared August 1997.)

**Table 415.—Selected statistics on public school library/media centers, by level and enrollment size of school: 1993–94**

Selected statistics	Public elementary, secondary, and combined	Elementary libraries, by enrollment size of school					Secondary libraries, by enrollment size of school				
		Total	Less than 150	150 to 499	500 to 749	750 or more	Total	Less than 150	150 to 499	500 to 749	750 or more
1	2	3	4	5	6	7	8	9	10	11	12
<b>Number of schools with libraries</b> .....	<b>72,286</b> —	<b>53,059</b> —	<b>4,068</b> —	<b>27,288</b> —	<b>15,587</b> —	<b>6,116</b> —	<b>17,536</b> —	<b>1,991</b> —	<b>5,431</b> —	<b>3,610</b> —	<b>6,503</b> —
Average number of staff per library											
Total .....	1.81 (0.02)	1.69 (0.03)	1.39 (0.09)	1.61 (0.04)	1.76 (0.05)	2.03 (0.07)	2.12 (0.03)	1.66 (0.09)	1.73 (0.04)	1.80 (0.05)	2.90 (0.04)
Certified library/media specialists .....	0.86 (0.01)	0.79 (0.02)	0.65 (0.07)	0.75 (0.03)	0.85 (0.04)	0.90 (0.04)	1.03 (0.02)	0.80 (0.06)	0.93 (0.03)	0.98 (0.03)	1.36 (0.03)
Full-time .....	0.61 (0.01)	0.51 (0.01)	0.13 (0.04)	0.42 (0.02)	0.66 (0.02)	0.82 (0.04)	0.84 (0.02)	0.28 (0.04)	0.68 (0.02)	0.92 (0.02)	1.27 (0.02)
Part-time .....	0.25 (0.01)	0.28 (0.02)	0.52 (0.06)	0.33 (0.02)	0.19 (0.03)	0.08 (0.02)	0.19 (0.01)	0.52 (0.05)	0.24 (0.02)	0.06 (0.01)	0.09 (0.01)
Other professional staff	0.27 (0.01)	0.27 (0.01)	0.30 (0.05)	0.27 (0.02)	0.25 (0.02)	0.31 (0.04)	0.26 (0.02)	0.33 (0.05)	0.23 (0.03)	0.17 (0.02)	0.25 (0.02)
Full-time .....	0.13 (0.01)	0.13 (0.01)	0.09 (0.02)	0.13 (0.01)	0.12 (0.02)	0.22 (0.03)	0.14 (0.01)	0.13 (0.04)	0.11 (0.02)	0.08 (0.02)	0.17 (0.02)
Part-time .....	0.13 (0.01)	0.14 (0.01)	0.21 (0.04)	0.14 (0.02)	0.13 (0.02)	0.09 (0.03)	0.13 (0.01)	0.19 (0.03)	0.11 (0.02)	0.09 (0.02)	0.08 (0.01)
Other paid employees	0.68 (0.02)	0.63 (0.02)	0.44 (0.06)	0.59 (0.03)	0.66 (0.04)	0.82 (0.06)	0.83 (0.02)	0.54 (0.06)	0.57 (0.04)	0.66 (0.05)	1.29 (0.04)
Full-time .....	0.34 (0.01)	0.28 (0.01)	0.10 (0.03)	0.22 (0.02)	0.34 (0.03)	0.51 (0.04)	0.49 (0.02)	0.28 (0.04)	0.27 (0.03)	0.39 (0.03)	0.86 (0.03)
Part-time .....	0.34 (0.01)	0.34 (0.02)	0.34 (0.05)	0.37 (0.03)	0.32 (0.03)	0.31 (0.04)	0.34 (0.02)	0.26 (0.04)	0.31 (0.02)	0.27 (0.04)	0.43 (0.02)
Percentage of schools' library media centers with the following equipment											
Telephone .....	61.2 (1.3)	55.8 (1.8)	40.1 (5.0)	49.4 (2.3)	64.0 (2.8)	73.8 (4.0)	74.7 (1.6)	42.7 (4.9)	68.0 (2.6)	85.5 (1.9)	92.9 (1.0)
Fax machine .....	7.8 (0.5)	4.7 (0.6)	8.2 (2.6)	3.4 (0.7)	5.7 (1.3)	5.1 (1.4)	15.1 (0.8)	11.5 (2.3)	16.4 (1.5)	18.7 (2.3)	18.5 (1.3)
Computer with modem .....	34.3 (1.0)	28.3 (1.2)	21.9 (4.5)	24.9 (1.7)	33.4 (2.8)	34.6 (3.1)	48.2 (1.5)	46.4 (4.1)	47.3 (2.6)	51.3 (2.9)	59.0 (2.0)
Automated catalog .....	24.0 (0.9)	20.3 (1.1)	14.2 (3.8)	17.5 (1.4)	24.9 (2.1)	25.4 (2.2)	32.8 (1.1)	21.6 (3.5)	25.9 (2.1)	32.2 (2.7)	43.6 (1.7)
Automated circulation system .....	37.9 (1.1)	34.1 (1.6)	16.0 (3.8)	28.5 (1.9)	40.4 (2.7)	55.0 (3.3)	47.7 (1.3)	22.4 (3.9)	41.6 (2.5)	48.0 (3.1)	64.7 (1.8)
Database searching with CD-ROM .....	31.2 (0.8)	23.9 (1.2)	23.3 (3.3)	21.9 (1.7)	25.3 (2.6)	30.1 (2.8)	48.1 (1.3)	35.5 (4.1)	48.6 (2.3)	53.1 (3.1)	63.0 (2.1)
On-line database searching .....	9.4 (0.5)	5.4 (0.5)	6.0 (1.3)	4.1 (0.7)	7.1 (1.3)	6.8 (1.3)	18.9 (0.9)	14.6 (2.2)	19.9 (2.0)	20.5 (2.6)	26.3 (1.4)
Compact disc for periodical indices, etc. ....	46.7 (1.1)	39.6 (1.5)	27.0 (3.5)	37.5 (2.1)	42.6 (2.7)	49.5 (3.4)	63.5 (1.3)	50.4 (3.9)	62.4 (2.3)	69.8 (2.7)	76.9 (1.5)
Video laser disc .....	31.9 (1.0)	30.3 (1.3)	19.6 (4.8)	24.8 (1.7)	37.2 (2.3)	44.3 (3.1)	36.1 (1.3)	20.0 (4.3)	27.5 (2.1)	41.1 (2.1)	43.5 (1.7)
Connection to Internet .....	12.0 (0.6)	9.5 (0.8)	5.0 (1.3)	8.7 (1.4)	11.9 (1.8)	10.0 (1.5)	17.5 (0.8)	12.3 (2.8)	18.5 (1.7)	18.9 (2.5)	23.8 (1.6)
Cable television .....	76.2 (0.8)	75.0 (1.1)	59.8 (4.9)	78.0 (1.6)	74.7 (2.3)	73.0 (3.0)	80.6 (0.9)	65.5 (4.5)	80.3 (1.9)	81.9 (2.5)	83.9 (1.1)
Broadcast television .....	48.6 (1.0)	48.0 (1.4)	47.0 (4.8)	45.2 (1.6)	51.5 (2.5)	52.3 (4.1)	49.9 (1.3)	36.4 (4.3)	46.0 (2.7)	52.0 (3.1)	59.4 (1.5)
Closed circuit television .....	25.5 (0.7)	22.0 (1.0)	7.0 (2.1)	19.2 (1.4)	23.1 (2.0)	41.4 (2.9)	34.0 (1.0)	14.3 (3.4)	26.8 (2.0)	46.1 (3.1)	44.5 (1.5)
Satellite dish .....	22.9 (0.6)	14.4 (0.7)	15.4 (2.8)	13.6 (1.2)	12.7 (1.4)	21.3 (3.1)	41.1 (1.1)	48.1 (4.9)	53.3 (2.2)	54.5 (2.7)	42.4 (1.8)
Total students using library per 100 students each week <sup>1</sup> .....	83.4 (0.4)	88.9 (0.5)	93.6 (1.0)	91.7 (0.7)	88.0 (1.0)	75.1 (2.0)	68.6 (0.9)	87.9 (2.5)	74.2 (1.4)	67.0 (1.8)	58.9 (1.1)
Books checked out per 100 students each week <sup>1</sup> .....	128 (2)	150 (3)	222 (11.5)	161 (5.2)	134 (4.6)	93 (4.7)	67 (4.0)	227 (21.3)	66 (4.2)	46 (3.6)	31 (1.1)
Percentage of schools offering											
Microcomputers .....	90.1 (0.7)	88.5 (1.0)	79.2 (3.4)	89.1 (1.6)	88.4 (2.0)	92.1 (2.2)	94.0 (1.0)	88.4 (2.7)	96.4 (1.1)	96.4 (0.9)	96.5 (0.8)
Long distance learning .....	19.0 (0.8)	15.9 (1.1)	16.7 (2.7)	16.3 (1.6)	14.4 (1.7)	17.5 (2.6)	24.8 (1.0)	33.0 (3.0)	26.6 (1.6)	25.6 (2.0)	25.3 (1.4)
Average holdings per 100 students at the end of the 1992–93 school year											
Books (number of volumes) .....	2,585 (57)	2,467 (81)	5,774 (355)	2,721 (124)	1,600 (46)	1,340 (37)	2,891 (101)	10,071 (815)	2,809 (79)	1,822 (50)	1,354 (22)
Current serial subscriptions (print/microfilm) .....	9 (2)	7 (2)	25 (3)	7 (2)	4 (2)	3 (2)	14 (1)	55 (4)	14 (2)	8 (2)	5 (0)
Video materials (tape and disc) .....	38 (2)	35 (2)	91 (12)	36 (4)	24 (2)	20 (2)	46 (2)	129 (15)	49 (3)	35 (2)	23 (1)
Other audiovisual materials .....	116 (4)	114 (6)	183 (37)	122 (8)	96 (9)	73 (8)	117 (7)	267 (34)	123 (17)	102 (10)	74 (4)
Microcomputer software .....	18 (1)	20 (1)	60 (13)	22 (2)	11 (1)	10 (1)	12 (1)	47 (11)	8 (1)	8 (1)	6 (0)
CD-ROM titles .....	1 (2)	1 (2)	2 (2)	1 (2)	1 (2)	0 (2)	2 (2)	9 (1)	1 (2)	1 (2)	1 (2)
Locally budgeted expenditures <sup>3</sup> per student, 1992–93											
Books .....	\$8.52 (0.23)	\$7.80 (0.25)	\$17.30 (1.3)	\$7.95 (0.3)	\$6.36 (0.4)	\$4.49 (0.3)	\$10.06 (0.4)	\$28.34 (2.3)	\$11.20 (0.7)	\$6.84 (0.4)	\$5.30 (0.2)
Current serial subscriptions (print/microfilm) .....	2.18 (0.05)	1.49 (0.06)	4.66 (0.47)	1.53 (0.08)	0.89 (0.05)	0.76 (0.06)	4.15 (0.14)	13.59 (1.05)	4.11 (0.22)	2.84 (0.15)	2.02 (0.06)
Video materials (tape and disc) .....	1.24 (0.04)	1.04 (0.05)	2.58 (0.37)	0.97 (0.05)	0.91 (0.07)	0.67 (0.07)	1.77 (0.10)	5.67 (0.67)	1.75 (0.15)	1.26 (0.11)	0.89 (0.05)
Other audiovisual materials .....	0.82 (0.04)	0.77 (0.06)	1.30 (0.49)	0.79 (0.07)	0.70 (0.06)	0.53 (0.07)	0.87 (0.07)	2.63 (0.53)	0.89 (0.09)	0.64 (0.08)	0.45 (0.03)
Microcomputer software .....	1.09 (0.09)	0.89 (0.07)	1.95 (0.47)	0.92 (0.09)	0.77 (0.13)	0.41 (0.06)	1.50 (0.35)	7.52 (3.10)	1.07 (0.13)	0.69 (0.10)	0.46 (0.03)
CD-ROM titles .....	0.63 (0.05)	0.38 (0.06)	0.92 (0.28)	0.33 (0.04)	0.42 (0.16)	0.16 (0.02)	1.24 (0.09)	3.76 (0.55)	1.24 (0.13)	0.84 (0.10)	0.69 (0.04)
Expenditures (all sources) per student, 1992–93											
Total, library/media materials .....	17.18 (0.35)	14.86 (0.45)	35.43 (2.38)	15.31 (0.58)	11.19 (0.55)	8.51 (0.43)	22.71 (0.82)	69.98 (5.56)	23.74 (0.98)	14.91 (0.71)	11.72 (0.35)
Microcomputer hardware .....	3.84 (0.25)	3.43 (0.33)	10.82 (3.37)	2.91 (0.30)	3.10 (0.49)	1.72 (0.26)	4.73 (0.46)	7.81 (2.43)	5.68 (1.15)	4.06 (0.71)	3.36 (0.39)
Audiovisual equipment	2.24 (0.15)	2.00 (0.17)	5.21 (1.73)	1.71 (0.13)	1.88 (0.24)	1.45 (0.26)	2.98 (0.46)	10.44 (4.10)	2.75 (0.24)	1.70 (0.15)	1.59 (0.10)
On-line database searching/ searching electronic communications .....	0.30 (0.04)	0.25 (0.06)	0.30 (0.13)	0.27 (0.08)	0.26 (0.15)	0.11 (0.03)	0.43 (0.05)	0.79 (0.31)	0.62 (0.14)	0.27 (0.05)	0.26 (0.04)

—Not available.

<sup>1</sup> During the most recent full week of school.<sup>2</sup> Standard error less than .5.<sup>3</sup> Locally budgeted expenditures exclude federal gifts and grants.

NOTE: Percentages are based on schools that have library/media centers. In school year 1990–91, 96 percent of public schools had library/media centers. Standard errors appear in parentheses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey, 1993–94, unpublished data. (This table was prepared August 1997.)

Table 416.—Selected statistics on public school library/media centers, by state: 1993–94

State or other area	Percent of centers offering selected services/equipment						Books held per 100 students	Total students using library per 100 students each week	Total expenditures for materials per student	Expenditure for micro-computers for library per student	Expenditure for audio-visual materials for library per student
	Computer with modem	Automated catalog	Database searching with CD-ROM	On-line database searching	Compact disc for indices, etc.	Connection to the Internet					
1	2	3	4	5	6	7	8	9	10	11	12
<b>United States</b> .....	<b>34.3 (1.0)</b>	<b>24.0 (0.9)</b>	<b>31.2 (0.8)</b>	<b>9.4 (0.5)</b>	<b>46.7 (1.1)</b>	<b>12.0 (0.6)</b>	<b>2,585 (57)</b>	<b>83.4 (0.4)</b>	<b>\$17.18 (0.35)</b>	<b>\$3.84 (0.25)</b>	<b>\$2.24 (0.15)</b>
Alabama .....	33.0 (4.2)	37.6 (5.9)	29.3 (4.0)	5.7 (2.0)	44.1 (4.6)	3.2 (1.5)	1,510 (61)	76.3 (2.2)	11.22 (0.62)	1.91 (0.39)	0.91 (0.22)
Alaska .....	34.7 (3.6)	34.3 (4.0)	39.7 (4.7)	6.8 (1.9)	44.6 (4.5)	15.1 (2.3)	4,167 (260)	85.0 (2.0)	47.38 (5.86)	9.76 (2.55)	1.94 (0.30)
Arizona .....	28.1 (3.5)	38.3 (5.3)	28.0 (4.0)	5.6 (2.2)	43.0 (4.4)	6.0 (1.9)	2,552 (211)	81.0 (3.3)	17.55 (3.05)	4.66 (1.37)	1.56 (0.31)
Arkansas .....	19.0 (4.0)	18.7 (4.0)	20.5 (4.1)	5.6 (2.4)	29.7 (4.6)	8.5 (2.5)	2,377 (355)	78.3 (2.8)	15.03 (1.45)	1.92 (0.53)	1.56 (0.29)
California .....	19.9 (4.3)	14.0 (3.4)	23.4 (3.7)	3.1 (1.0)	38.0 (5.7)	6.2 (2.3)	1,751 (193)	77.9 (2.7)	7.26 (1.00)	3.13 (0.87)	0.59 (0.17)
Colorado .....	47.0 (4.7)	43.6 (5.7)	43.3 (5.5)	30.7 (4.7)	60.7 (5.5)	16.3 (3.5)	2,190 (177)	80.6 (2.5)	16.42 (1.81)	3.01 (0.57)	1.63 (0.25)
Connecticut .....	43.8 (6.5)	12.8 (2.7)	45.4 (5.3)	17.9 (3.8)	54.4 (6.0)	6.5 (2.6)	2,289 (129)	88.0 (2.2)	15.71 (2.06)	2.84 (1.01)	1.21 (0.21)
Delaware .....	41.8 (3.6)	22.5 (3.0)	34.7 (3.5)	14.4 (2.5)	48.2 (3.5)	5.7 (2.0)	1,587 (84)	80.5 (2.3)	8.68 (0.87)	1.63 (0.24)	0.64 (0.23)
District of Columbia .....	23.5 (4.0)	4.4 (2.2)	25.4 (2.8)	10.4 (3.3)	31.2 (3.2)	1.7 (1.1)	1,578 (74)	65.6 (2.9)	8.06 (0.69)	0.49 (0.13)	1.46 (0.30)
Florida .....	45.3 (3.8)	29.8 (3.3)	39.9 (3.6)	11.8 (2.8)	71.0 (4.0)	21.1 (3.4)	1,855 430	76.6 (2.6)	13.61 (1.98)	1.85 (0.29)	2.30 (0.33)
Georgia .....	29.8 (4.7)	48.2 (4.4)	34.5 (4.6)	13.6 (2.6)	46.6 (4.7)	10.8 (2.7)	1,535 (72)	83.9 (1.6)	13.02 (0.65)	2.99 (0.71)	2.21 (0.38)
Hawaii .....	75.3 (5.3)	27.1 (4.4)	47.7 (5.7)	24.3 (4.9)	64.8 (4.9)	29.4 (5.0)	1,592 (100)	83.3 (2.6)	10.90 (1.01)	2.77 (0.46)	1.59 (0.42)
Idaho .....	29.9 (4.2)	15.4 (4.0)	21.6 (4.4)	6.2 (2.3)	32.1 (5.1)	8.6 (3.1)	2,457 (289)	86.6 (1.9)	12.20 (1.24)	2.50 (0.63)	1.12 (0.24)
Illinois .....	32.2 (3.5)	17.7 (3.8)	23.0 (3.4)	7.9 (1.7)	36.6 (4.2)	7.1 (2.2)	2,517 (264)	85.7 (1.8)	13.40 (1.34)	4.09 (1.48)	1.59 (0.19)
Indiana .....	29.9 (6.7)	31.0 (4.9)	32.0 (5.9)	2.4 (0.7)	66.1 (6.3)	5.5 (1.2)	2,518 (387)	86.2 (2.4)	14.40 (1.12)	12.45 (3.24)	2.20 (0.45)
Iowa .....	38.8 (6.4)	17.4 (5.0)	44.2 (5.7)	14.6 (3.6)	71.2 (5.7)	8.6 (3.1)	4,549 (698)	91.0 (1.8)	23.04 (2.23)	5.14 (2.03)	2.78 (0.61)
Kansas .....	24.9 (3.0)	31.5 (4.9)	20.9 (3.1)	9.7 (2.0)	46.6 (4.5)	10.6 (2.5)	3,797 (218)	89.1 (1.8)	30.85 (2.76)	11.16 (2.26)	2.93 (0.49)
Kentucky .....	30.1 (6.2)	33.1 (7.0)	32.3 (5.5)	4.3 (2.2)	60.3 (6.3)	5.3 (2.4)	1,732 (110)	84.8 (2.3)	15.16 (1.08)	2.32 (0.51)	2.40 (0.31)
Louisiana .....	24.2 (3.9)	13.9 (3.5)	21.9 (3.4)	2.3 (0.8)	28.1 (3.8)	6.2 (2.4)	1,784 (74)	64.8 (3.9)	16.18 (3.82)	1.43 (0.42)	0.50 (0.08)
Maine .....	33.3 (5.4)	18.9 (4.4)	25.5 (3.8)	5.4 (2.0)	38.9 (6.7)	5.4 (1.6)	2,331 (169)	89.4 (2.7)	17.83 (2.74)	2.21 (0.58)	0.64 (0.16)
Maryland .....	41.0 (3.9)	15.4 (3.4)	31.8 (4.5)	22.3 (3.1)	46.2 (4.7)	32.6 (3.5)	1,510 (70)	87.0 (1.8)	11.70 (0.73)	0.25 (0.06)	1.65 (0.45)
Massachusetts .....	38.2 (4.9)	9.1 (1.6)	45.3 (4.8)	8.9 (1.6)	46.3 (4.8)	24.1 (3.8)	2,523 (224)	74.8 (3.9)	10.14 (1.22)	1.50 (0.29)	1.77 (0.52)
Michigan .....	42.2 (7.6)	12.1 (3.9)	38.1 (6.3)	10.2 (3.8)	57.9 (6.1)	15.1 (5.3)	1,820 (100)	83.5 (4.1)	13.36 (2.13)	1.62 (0.55)	1.35 (0.39)
Minnesota .....	35.6 (4.8)	53.4 (6.1)	52.9 (6.1)	13.8 (3.0)	69.0 (5.6)	17.3 (3.6)	3,114 (253)	86.5 (2.8)	22.39 (3.60)	6.01 (0.96)	4.93 (1.70)
Mississippi .....	9.4 (2.0)	5.2 (2.1)	14.2 (3.9)	3.0 (1.4)	23.2 (3.6)	3.1 (1.3)	1,593 (69)	74.6 (2.5)	16.26 (4.13)	1.58 (0.62)	1.30 (0.30)
Missouri .....	31.3 (4.3)	39.4 (6.7)	31.4 (5.0)	17.8 (3.9)	46.0 (5.9)	15.7 (4.2)	2,681 (232)	81.4 (2.6)	16.95 (1.64)	2.80 (0.90)	1.23 (0.20)
Montana .....	50.8 (4.3)	20.6 (3.1)	43.7 (4.1)	17.4 (3.3)	58.2 (3.6)	6.2 (2.0)	9,562 (1,005)	89.5 (2.3)	67.92 (8.98)	15.79 (6.03)	5.61 (1.22)
Nebraska .....	31.6 (5.0)	29.0 (4.9)	36.3 (5.7)	12.1 (2.5)	58.8 (6.0)	15.8 (3.0)	7,103 (817)	90.3 (2.7)	41.70 (4.30)	23.16 (10.55)	13.52 (6.68)
Nevada .....	18.4 (4.0)	48.2 (5.5)	32.2 (4.5)	3.0 (1.3)	37.1 (4.2)	9.4 (2.9)	1,827 (168)	87.0 (1.7)	11.15 (1.00)	1.46 (0.38)	0.77 (0.14)
New Hampshire .....	43.9 (6.6)	21.4 (4.8)	39.8 (6.6)	8.2 (2.6)	51.2 (5.9)	17.4 (4.4)	2,221 (182)	87.1 (1.8)	18.97 (1.75)	2.83 (0.86)	1.41 (0.24)
New Jersey .....	39.1 (6.8)	28.5 (6.5)	30.2 (6.4)	7.2 (1.4)	46.2 (7.2)	5.2 (1.3)	2,954 (400)	84.2 (3.0)	22.91 (3.96)	3.52 (1.37)	2.05 (0.88)
New Mexico .....	32.8 (6.1)	21.9 (5.3)	32.0 (4.3)	3.9 (1.5)	43.1 (5.5)	7.8 (2.4)	2,533 (223)	82.9 (2.8)	16.80 (3.05)	1.55 (0.44)	1.73 (0.32)
New York .....	39.5 (5.5)	14.3 (3.9)	25.2 (3.4)	12.5 (2.4)	44.8 (5.1)	16.0 (3.6)	2,207 (213)	82.0 (3.4)	13.67 (1.21)	1.56 (0.46)	1.15 (0.35)
North Carolina .....	40.4 (4.6)	29.4 (4.0)	42.0 (4.3)	10.8 (1.7)	65.0 (4.1)	7.9 (2.3)	1,630 (50)	80.8 (2.4)	14.19 (0.94)	4.39 (0.53)	2.10 (0.28)
North Dakota .....	65.8 (5.3)	18.0 (3.6)	27.3 (5.1)	39.1 (5.7)	41.1 (6.5)	36.8 (5.5)	6,607 (689)	93.0 (1.3)	29.45 (2.25)	3.77 (0.84)	5.02 (1.77)
Ohio .....	33.1 (7.1)	12.9 (5.0)	16.9 (3.9)	3.3 (1.1)	31.9 (6.7)	7.1 (2.3)	3,796 (762)	86.5 (2.3)	11.03 (1.48)	0.75 (0.25)	1.53 (0.75)
Oklahoma .....	20.1 (2.7)	32.7 (3.8)	32.5 (3.5)	6.7 (1.7)	44.1 (4.2)	4.0 (1.7)	2,851 (163)	84.2 (1.5)	36.26 (4.69)	3.46 (0.60)	7.51 (4.23)
Oregon .....	38.6 (5.8)	39.2 (5.2)	51.5 (6.7)	18.9 (4.7)	49.5 (6.5)	11.7 (4.2)	3,154 (362)	84.3 (3.2)	21.32 (2.14)	7.59 (2.49)	2.75 (0.86)
Pennsylvania .....	33.9 (6.9)	17.3 (4.0)	32.6 (5.5)	2.5 (1.1)	39.2 (6.4)	6.4 (3.1)	2,562 (203)	89.6 (2.6)	15.33 (2.09)	2.23 (0.60)	1.97 (0.67)
Rhode Island .....	25.0 (4.9)	11.8 (3.2)	13.0 (3.5)	1.0 (0.6)	21.7 (4.8)	18.6 (4.2)	1,835 (232)	84.0 (2.5)	8.58 (1.51)	0.23 (0.10)	0.34 (0.14)
South Carolina .....	44.0 (5.4)	46.4 (5.0)	39.4 (5.7)	6.9 (1.7)	55.4 (7.1)	13.5 (4.1)	1,655 (133)	80.3 (3.2)	11.01 (0.71)	2.39 (0.55)	1.03 (0.19)
South Dakota .....	56.2 (6.8)	12.6 (3.4)	37.7 (6.2)	23.1 (4.2)	60.2 (5.5)	9.0 (2.7)	5,049 (542)	89.8 (2.0)	45.53 (5.37)	8.26 (1.61)	3.73 (1.41)
Tennessee .....	15.1 (4.3)	18.9 (5.1)	16.6 (4.5)	2.5 (2.3)	34.9 (6.5)	3.6 (1.9)	1,677 (102)	85.4 (2.2)	8.60 (0.68)	2.65 (1.04)	0.91 (0.20)
Texas .....	39.4 (4.6)	20.5 (4.2)	27.2 (3.1)	9.9 (2.8)	33.9 (3.8)	24.7 (4.2)	1,885 (123)	83.3 (2.0)	18.94 (1.79)	3.75 (1.18)	2.95 (0.40)
Utah .....	22.2 (3.6)	37.4 (4.1)	28.6 (3.6)	5.1 (2.3)	39.1 (3.6)	6.7 (1.9)	1,557 (105)	79.5 (2.2)	9.08 (0.95)	1.62 (0.26)	1.82 (0.32)
Vermont .....	47.0 (4.9)	27.2 (5.6)	35.3 (4.2)	14.5 (3.3)	51.9 (4.8)	32.2 (3.4)	3,155 179	87.5 (1.8)	34.53 (4.95)	6.18 (1.57)	2.90 (0.52)
Virginia .....	61.7 (8.3)	35.5 (6.1)	38.6 (5.8)	10.6 (2.9)	72.4 (7.0)	31.4 (5.6)	1,974 (108)	88.2 (2.2)	15.20 (1.09)	3.48 (0.66)	3.71 (1.01)
Washington .....	40.2 (5.2)	35.7 (5.6)	43.1 (3.6)	11.7 (2.9)	53.1 (4.9)	13.0 (2.6)	2,004 (84)	89.7 (1.3)	14.70 (1.27)	3.34 (0.69)	1.52 (0.29)
West Virginia .....	24.7 (6.0)	16.7 (4.2)	18.0 (4.0)	8.3 (3.5)	31.0 (5.5)	6.4 (3.2)	2,039 (201)	76.0 (4.7)	7.37 (1.41)	0.77 (0.25)	0.17 (—)
Wisconsin .....	34.2 (6.5)	27.2 (4.7)	36.1 (5.0)	14.8 (3.8)	57.1 (6.1)	9.0 (2.6)	2,895 (157)	86.5 (2.8)	23.99 (1.18)	5.40 (1.55)	4.10 (0.74)
Wyoming .....	39.0 (3.4)	28.0 (4.2)	32.1 (5.7)	8.1 (2.5)	41.7 (4.5)	6.6 (2.3)	10,729 (1,185)	83.5 (3.4)	46.04 (5.36)	3.23 (0.59)	3.92 (0.85)

—Not available.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey, 1993–94, unpublished data. (This table was prepared August 1997.)

NOTE: Books held per 100 students during the most recent full week of school. Percentages are based on schools that have library/media centers. In school year 1990–91, 96 percent of public schools had library/media centers. Standard errors appear in parentheses.

**Table 417.—Percent of public and private schools having access to selected telecommunication capabilities, by location of access site and control of school: 1995**

Telecommunications capabilities	Percent of schools having access	Percent of schools with telecommunications access, by location				
		Administrative offices	Teacher workrooms	Classrooms	Computer labs	Library/media centers
1	2	3	4	5	6	7
All public schools						
Computer with any telecommunication capabilities via local area network .....	77	73	20	45	71	64
Computer with any telecommunication capabilities via modem .....	76	61	10	30	41	64
Computer with any telecommunication capabilities via wide area network .....	61	58	14	35	41	68
Broadcast television .....	71	35	28	82	47	88
Cable television .....	76	33	25	72	42	91
Closed circuit television .....	28	50	32	91	60	89
Two-way video with two-way audio .....	13	24	17	57	37	69
One-way video with two-way audio or computer link .....	7	26	15	63	41	54
All private schools						
Computer with any telecommunication capabilities via local area network .....	43	71	18	33	58	35
Computer with any telecommunication capabilities via modem .....	48	70	14	24	38	33
Computer with any telecommunication capabilities via wide area network .....	29	59	15	26	41	40
Broadcast television .....	52	24	23	81	27	59
Cable television .....	37	21	21	75	29	60
Closed circuit television .....	5	32	29	99	51	71
Two-way video with two-way audio .....	5	9	13	50	54	44
One-way video with two-way audio or computer link .....	2	32	21	66	39	46

NOTE: Location estimates are based on those schools having access to each type of telecommunication capability. Percents of schools reporting telecommunication locations do not sum to 100 because many schools have access in more than one location. Data are derived from a sample survey and are subject to sampling error.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Advanced Telecommunications in U.S. Public Elementary and Secondary Schools, 1995*; and *Advanced Telecommunications in U.S. Private Schools, K-12, Fall 1995*. (This table was prepared September 1997.)

**Table 418.—Percent of public schools and school classrooms having access to the Internet, by school characteristics: 1994 to 1999**

Schools, computers, instruction 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			
		Elementary	Secondary	Less than 300	300 to 999	1,000 or more	City	Urban fringe	Town	Rural	Less than 11 percent	11 to 30 percent	31 to 70 percent	71 percent or more
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Estimated 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	13,192	21,876	28,017	14,651
1997 .....	79,125	59,695	19,430	20,540	51,169	7,416	21,071	23,419	12,637	21,998	10,677	21,686	32,666	14,097
1998 .....	78,727	59,173	19,555	20,095	50,591	8,041	20,635	26,265	11,306	20,522	10,860	22,916	29,450	15,462
1999 .....	78,399	59,575	17,110	20,018	50,389	7,992	21,034	26,245	11,235	19,885	13,377	20,201	31,725	13,096
1998 (standard error) .....	(339)	(293)	(203)	(479)	(473)	(165)	(96)	(98)	(182)	(273)	(1,030)	(1,357)	(1,547)	(1,288)
1999 (standard error) .....	(665)	(722)	(521)	(1,263)	(681)	(291)	(605)	(514)	(343)	(506)	(1,054)	(1,058)	(1,563)	(958)
<b>Percent of schools having access to the Internet</b>														
1994 .....	35	30	49	30	35	58	40	38	29	35	—	—	—	—
1995 .....	50	46	65	39	52	69	47	59	47	48	62	59	47	31
1996 .....	65	61	77	57	66	80	64	75	61	60	78	72	58	53
1997 .....	78	75	89	75	78	89	74	78	84	79	88	83	78	63
1998 .....	89	88	94	87	89	95	92	85	90	92	87	94	91	80
1999 .....	95	94	98	96	94	96	93	96	94	96	94	96	97	90
1998 (standard error) .....	(1.3)	(1.6)	(2.1)	(3.4)	(1.4)	(2.4)	(2.1)	(2.8)	(3.2)	(3.4)	(5.6)	(2.0)	(3.7)	(3.3)
1999 (standard error) .....	(0.8)	(1.0)	(0.8)	(1.5)	(1.0)	(1.7)	(1.5)	(1.2)	(2.5)	(1.4)	(2.2)	(1.4)	(2.0)	(2.8)
<b>Number of computers for instructional purposes, in thousands</b>														
1995 <sup>2</sup> .....	5,621	3,453	2,021	850	3,600	1,171	1,497	1,526	1,404	1,195	1,017	1,712	1,919	951
1997 .....	5,959	3,701	2,258	839	3,767	1,353	1,727	2,084	934	1,214	1,008	1,782	2,211	959
1998 .....	7,111	4,519	2,592	952	4,414	1,744	2,148	2,606	1,047	1,311	1,074	2,232	2,474	1,317
1999 .....	7,806	4,923	2,728	1,021	4,952	1,834	2,320	2,975	1,022	1,489	1,523	2,205	2,811	1,267
1998 (standard error) .....	(183)	(145)	(94)	(53)	(136)	(106)	(74)	(129)	(58)	(77)	(96)	(196)	(153)	(153)
1999 (standard error) .....	(665)	(722)	(521)	(1,263)	(681)	(291)	(605)	(514)	(343)	(506)	(1,054)	(1,058)	(1,563)	(958)
<b>Mean number of computers per school</b>														
1995 .....	72	60	112	41	72	164	84	83	72	54	77	78	68	65
1997 .....	75	62	116	41	74	183	82	89	74	55	94	82	68	68
1998 .....	90	76	133	47	87	218	104	99	93	64	99	97	84	85
1999 .....	100	83	159	51	99	229	111	114	91	75	114	110	89	97
1998 (standard error) .....	(2.3)	(2.4)	(4.8)	(2.6)	(2.5)	(12.8)	(3.7)	(4.8)	(5.2)	(3.6)	(7.3)	(5.7)	(7.3)	(7.2)
1999 (standard error) .....	(2.2)	(2.2)	(6.4)	(2.5)	(2.4)	(10.7)	(4.7)	(4.2)	(4.2)	(3.6)	(6.1)	(4.8)	(8.3)	(5.1)
<b>Number of computers with Internet access, in thousands</b>														
1995 .....	448	232	187	59	315	73	96	131	126	94	111	163	123	39
1998 .....	3,940	2,306	1,634	456	2,516	968	1,114	1,472	536	818	723	1,341	1,346	529
1999 .....	5,388	3,110	2,180	736	3,353	1,299	1,425	2,096	781	1,087	1,230	1,665	1,959	533
1998 (standard error) .....	(190)	(155)	(90)	(39)	(152)	(78)	(94)	(113)	(47)	(77)	(79)	(149)	(108)	(87)
1999 (standard error) .....	(153)	(115)	(97)	(64)	(142)	(68)	105	(98)	(51)	(79)	(109)	(124)	(120)	(60)
<b>Percent of all computers with access to the Internet</b>														
1995 .....	8	7	9	7	9	6	6	9	9	8	11	10	6	4
1998 .....	55	51	63	48	57	56	52	56	51	62	67	60	54	40
1999 .....	69	63	80	72	68	71	61	70	76	73	81	76	70	42
1998 (standard error) .....	(1.7)	(2.5)	(2.1)	(3.4)	(2.2)	(3.4)	(3.0)	(2.8)	(4.1)	(3.4)	(3.8)	(2.7)	(4.8)	(4.3)
1999 (standard error) .....	(1.4)	(1.6)	(2.4)	(3.0)	(1.7)	(3.6)	(2.6)	(2.4)	(3.1)	(2.7)	(3.1)	(2.8)	(4.3)	(3.6)
<b>Number of instructional rooms,<sup>3</sup> in thousands</b>														
1997 .....	2,625	1,720	906	335	1,725	566	830	902	388	505	412	758	976	480
1998 .....	2,709	1,772	937	349	1,740	620	839	981	390	498	406	838	958	505
1999 .....	2,811	1,830	926	360	1,805	645	857	1,049	375	530	502	750	1,087	472
1998 (standard error) .....	(41)	(29)	(26)	(15)	(34)	(21)	(22)	(24)	(14)	(17)	(35)	(52)	(48)	(42)
1999 (standard error) .....	(36)	(33)	(29)	(26)	(39)	(30)	(29)	(33)	(16)	(23)	(39)	(42)	(60)	(33)
<b>Percent of instructional rooms<sup>3</sup> with access to the Internet</b>														
1994 .....	3	3	4	3	3	3	4	4	3	3	—	—	—	—
1995 .....	8	8	8	9	8	4	6	8	8	8	9	10	7	3
1996 .....	14	13	16	15	13	16	12	16	14	14	18	16	14	7
1997 .....	27	24	32	27	28	25	20	29	34	30	36	32	27	14
1998 .....	51	51	52	54	53	45	47	50	55	57	62	53	52	39
1999 .....	63	62	67	71	64	58	52	67	72	71	74	71	65	39
1998 (standard error) .....	(1.7)	(2.3)	(2.1)	(5.4)	(5.3)	(4.5)	(3.2)	(2.9)	(4.0)	(3.6)	(4.0)	(3.1)	(6.1)	(4.1)
1999 (standard error) .....	(1.6)	(1.8)	(2.6)	(3.2)	(1.9)	(3.0)	(2.6)	(2.5)	(3.4)	(3.0)	(4.0)	(2.9)	(4.9)	(4.3)

—Not available.

<sup>1</sup> Excludes combined elementary/secondary schools because of small sample size.<sup>2</sup> Includes computers used for instructional or administrative purposes.<sup>3</sup> Includes all classrooms, computer labs, and library/media centers.

NOTE: Data are derived from sample surveys and are subject to sampling error. Detail may not sum to totals because of rounding of weighted estimates. Standard errors appear in parentheses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Internet Access in U.S. Public Elementary and Secondary Schools; Advanced Telecommunications in U.S. Public Elementary and Secondary Schools, 1995*; and unpublished data. (This table was prepared April 2000.)

**Table 419.—General statistics of college and university libraries: 1975–76 to 1996–97**

Item	1975–76 <sup>1</sup>	1976–77 <sup>1</sup>	1978–79 <sup>1</sup>	1981–82	1984–85	1987–88	1991–92	1994–95	1996–97
1	2	3	4	5	6	7	8	9	10
Number of libraries .....	2,987	3,058	3,122	3,104	3,322	3,438	3,274	3,303	3,408
General collection transactions, in thousands .....	—	—	—	—	—	—	—	183,123	186,545
Reserve collection transactions, in thousands .....	—	—	—	—	—	—	—	48,380	44,189
Total enrollment, in thousands <sup>2</sup> .....	11,291	11,121	11,392	12,372	12,242	12,767	14,359	14,279	14,300
Full-time-equivalent enrollment, in thousands <sup>2</sup> .....	8,480	8,313	8,348	9,015	8,952	9,230	10,361	10,348	10,402
<b>Collections, thousands of units</b>									
Number of volumes at end of year ...	468,033	481,442	519,895	567,826	631,727	718,504	749,429	776,447	806,717
Number of volumes added during year .....	22,977	22,367	21,608	19,507	20,658	21,907	20,982	21,544	21,346
Number of serial subscriptions <sup>3</sup> .....	4,618	4,670	4,775	4,890	6,317	6,416	6,966	6,212	5,709
Microform titles at end of year .....	—	—	—	—	—	—	—	158,345	181,203
Computer files at end of year .....	—	—	—	—	—	—	—	465	983
<b>Library staff, in full-time equivalents</b>									
Total staff in regular positions <sup>4</sup> .....	56,852	57,087	58,416	58,476	58,476	67,251	67,166	67,433	67,581
FTE student enrollment per FTE staff .....	149.2	145.6	142.9	154.2	153.1	137.2	154.3	153.5	153.9
Librarians and professional staff ..	23,104	23,308	23,676	23,816	21,822	25,115	26,341	26,726	27,268
Other paid staff .....	33,748	33,779	34,740	34,660	38,026	40,733	40,421	40,381	40,022
Contributed services .....	—	—	—	—	—	1,403	404	326	291
Student assistants .....	—	—	—	—	—	33,821	29,075	28,411	27,998
Hours of student and other assistance, in thousands .....	36,725	39,950	39,552	40,068	28,360	—	—	—	—
<b>Library operating expenditures (excluding capital outlay)</b>									
Operating expenditures, total, in thousands .....	\$1,180,128	\$1,259,637	\$1,502,158	\$1,943,769	\$2,404,524	\$2,770,075	\$3,648,654	\$4,013,333	\$4,301,815
Salaries <sup>5</sup> .....	649,374	698,090	824,438	1,081,894	1,156,138	1,451,551	1,889,368	2,021,233	2,147,842
Hourly wages .....	66,175	68,683	79,535	100,847	—	—	—	—	—
Fringe benefits .....	—	—	—	—	231,209	—	—	—	—
Preservation .....	22,375	22,521	25,274	30,351	32,939	34,144	43,126	46,554	45,610
Furniture/equipment .....	—	—	—	—	—	—	—	55,915	56,128
Computer hardware/software .....	—	—	—	—	—	—	—	128,128	157,949
Utilities/networks/consortia .....	—	—	—	—	—	—	—	81,106	85,113
Information resources .....	357,544	373,699	450,180	561,199	750,282	891,281	1,197,293	1,348,933	1,499,249
Print materials .....	—	—	—	—	—	—	420,930	442,495	472,592
Serial subscriptions .....	—	—	—	—	—	—	639,128	690,410	780,830
Microforms .....	—	—	—	—	—	—	43,666	62,421	61,577
Audiovisual materials .....	—	—	—	—	—	—	23,879	28,753	28,879
Computer files/search serv- ices <sup>6</sup> .....	—	—	—	—	—	—	29,093	70,792	103,539
Document delivery/interlibrary loan .....	—	—	—	—	—	—	—	12,238	17,645
Other collection expenditures ...	—	—	—	—	—	—	40,596	41,823	34,186
Other library operating expenditures .....	84,660	96,643	122,731	169,478	233,957	393,099	518,867	331,463	309,925
Operating expenditures per FTE student .....	139	152	180	216	269	300	352	388	414
Operating expenditures per FTE student in constant 1996–97 dol- lars .....	399	410	417	364	404	412	405	410	414
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>5</sup> .....	55.0	55.4	54.9	55.7	48.1	52.4	51.8	50.4	49.9
Hourly wages .....	5.6	5.5	5.3	5.2	—	—	—	—	—
Fringe benefits .....	—	—	—	—	9.6	—	—	—	—
Preservation .....	1.9	1.8	1.7	1.6	1.4	1.2	1.2	1.2	1.1
Information resources .....	30.3	29.7	30.0	28.9	31.2	32.2	32.8	33.6	34.9
Other library operating expenditures <sup>7</sup> .....	7.2	7.7	8.2	8.7	9.7	14.2	14.2	14.9	14.2
Library operating expenditures as percent of total institutional expenditures for educational and general purposes .....	3.8	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> Data are for end of year.

<sup>4</sup> Excludes student assistants.

<sup>5</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.

<sup>6</sup> Computer files/search services was formerly labeled "Machine readable materials."

<sup>7</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." (This table was prepared July 2000.)



**Table 420.—Selected statistics on the collections, staff, and operating expenditures of 60 large college and university libraries: 1996**

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	Professional	Total	Salaries and wages			
1	2	3	4	5	6	7	8	9	10
Harvard University (MA) .....	1	13,370	1,125	404	\$66,319	\$35,061	104	—	—
Yale University (CT) .....	2	10,828	615	204	41,759	16,974	111	—	—
University of Illinois, Urbana Campus .....	3	8,840	531	160	23,935	12,556	107	—	13,030
University of Texas, Austin .....	4	7,330	600	142	22,808	12,378	139	144,750	10,947
University of California, Berkeley .....	5	6,982	569	146	32,682	17,753	82	—	—
Columbia University, Main Division (NY) .....	6	6,792	544	168	28,947	15,283	104	—	—
University of Michigan, Ann Arbor .....	7	6,774	653	149	32,600	14,560	147	—	—
University of California, Los Angeles .....	8	6,773	644	128	37,385	18,580	87	127,904	14,514
Stanford University (CA) .....	9	6,717	559	175	36,680	22,213	49	—	3,476
University of Chicago (IL) .....	10	5,854	334	72	20,907	9,054	111	39,223	1,502
University of Wisconsin, Madison .....	11	5,738	543	156	28,003	14,524	131	133,034	7,834
University of Minnesota, Twin Cities .....	12	5,376	446	104	26,696	12,663	105	—	5,100
University of Washington .....	13	5,259	452	132	22,369	11,944	106	—	—
Princeton University (NJ) .....	14	5,186	400	121	23,608	11,556	120	—	—
Ohio State University, Main Campus .....	15	4,978	420	101	20,734	9,834	107	—	17,367
Cornell University (NY) .....	16	4,928	444	145	21,405	10,263	79	—	3,428
Indiana University, Bloomington .....	17	4,780	476	139	23,037	11,025	101	80,429	12,455
University of North Carolina, Chapel Hill .....	18	4,675	423	120	22,121	10,255	146	—	5,472
Duke University (NC) .....	19	4,534	329	104	21,743	9,268	122	—	5,053
University of Pennsylvania .....	20	4,438	379	107	24,242	10,924	137	37,945	7,202
University of Arizona .....	21	4,343	367	92	18,753	8,099	168	52,008	3,054
University of Virginia, Main Campus .....	22	4,276	363	97	19,894	9,075	116	—	4,000
Michigan State University .....	23	4,047	282	63	15,030	7,198	114	—	—
Northwestern University (IL) .....	24	3,840	373	107	17,272	8,412	123	36,150	2,283
University of Iowa .....	25	3,752	309	102	17,414	8,294	96	—	—
New York University .....	26	3,508	443	149	24,643	11,906	115	39,000	7,570
University of Pittsburgh, Main Campus (PA) .....	27	3,401	382	94	19,893	8,137	145	52,647	6,821
University of Georgia .....	28	3,392	364	85	16,125	7,463	104	32,500	3,296
University of Southern California .....	29	3,351	357	108	20,570	10,280	168	55,182	3,867
University of Kansas, Main Campus .....	30	3,270	273	79	12,407	5,608	100	—	—
University of Florida .....	31	3,258	390	108	16,835	8,389	107	53,607	4,821
Washington University (MO) .....	32	3,164	285	75	16,084	7,083	126	33,517	10,189
State U. of New York, Buffalo, Main Campus .....	33	2,991	252	95	13,583	6,836	90	63,250	6,170
University of Hawaii, Manoa .....	34	2,972	228	62	11,191	6,556	81	56,013	3,544
Wayne State University (MI) .....	35	2,960	269	82	13,901	6,667	97	42,781	5,887
Johns Hopkins University (MD) .....	36	2,955	292	85	18,721	7,726	106	28,690	2,665
Louisiana State U. & A&M & Hebert Laws Center .....	37	2,950	222	52	8,885	4,380	98	25,035	3,112
University of Rochester (NY) .....	38	2,922	218	74	10,306	4,626	118	25,000	1,166
Arizona State University .....	39	2,912	298	84	15,953	7,139	102	35,000	6,055
Brown University (RI) .....	40	2,810	239	80	11,877	6,090	111	27,040	2,383
University of South Carolina at Columbia .....	41	2,769	257	73	13,445	5,814	111	15,460	4,156
University of Missouri, Columbia .....	42	2,769	246	59	12,468	4,878	105	40,000	3,654
University of Massachusetts at Amherst .....	43	2,762	185	51	10,770	5,623	105	28,600	3,370
Southern Illinois University, Carbondale .....	44	2,694	242	50	10,562	4,907	92	15,540	3,413
Syracuse University, Main Campus (NY) .....	45	2,692	256	70	10,584	5,112	105	16,506	1,372
Pennsylvania State University, Main Campus .....	46	2,680	410	75	19,971	10,213	168	73,366	8,039
University of Colorado, Boulder .....	47	2,672	254	62	15,577	6,661	109	65,387	7,343
University of Kentucky .....	48	2,634	332	100	15,082	7,208	142	47,810	4,441
University of Utah .....	49	2,557	327	73	14,689	6,599	100	44,546	3,798
North Carolina State University at Raleigh .....	50	2,540	280	77	13,426	5,452	107	34,365	3,032
University of Maryland, College Park Campus .....	51	2,539	316	85	15,720	7,857	136	70,021	9,968
University of California, Davis .....	52	2,533	274	47	14,514	7,300	87	22,370	4,630
University of California, San Diego .....	53	2,470	329	72	17,529	9,422	108	51,250	4,027
Massachusetts Institute of Technology .....	54	2,449	220	83	11,554	6,168	108	25,000	2,060
Brigham Young University (UT) .....	55	2,412	294	101	12,986	6,473	101	73,000	12,487
Auburn University, Main Campus (AL) .....	56	2,401	177	49	8,272	3,645	99	20,825	3,359
Vanderbilt University (TN) .....	57	2,388	287	78	14,288	6,307	111	16,740	2,445
University of Nebraska at Lincoln .....	58	2,385	216	53	10,839	4,769	96	17,503	2,273
University of Oklahoma, Norman Campus .....	59	2,325	150	39	7,323	3,005	102	31,000	4,218
Texas A&M University .....	60	2,311	334	77	16,094	6,579	94	57,437	6,215

—Not available.

NOTE: Princeton University has 1994 data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data Survey, "1996 Academic Library System-Early Release." (This table was prepared September 1999.)

**Table 421.—General statistics of public libraries, by population of legal service area: 1997**

Item	Population of legal service area						
	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>17,037</b>	<b>5,731</b>	<b>4,129</b>	<b>1,800</b>	<b>2,140</b>	<b>1,114</b>	<b>2,123</b>
Central libraries	8,943	5,405	2,540	501	334	80	83
Branch libraries	7,147	256	1,270	1,103	1,620	967	1,931
Bookmobiles	947	70	319	196	186	67	109
<b>Collections, in thousands</b>							
Books and serial volumes <sup>1</sup>	723,309	97,502	176,600	85,611	105,871	72,411	185,313
Audio and video materials and films	41,793	4,187	9,804	5,004	6,388	4,040	12,371
Serial subscriptions	1,919	276	491	220	256	159	517
<b>Paid staff, in full-time equivalents</b>							
Librarians	40,161	5,738	10,385	4,647	5,747	4,092	9,551
Librarians with ALA-MLS <sup>2</sup>	27,946	1,175	6,424	3,478	4,644	3,322	8,903
Other staff	80,589	5,117	19,176	10,739	13,978	8,878	22,701
<b>Income, in thousands</b>							
Total operating income	\$6,267,247	\$423,983	\$1,441,892	\$780,544	\$1,030,671	\$729,007	\$1,861,149
	Percentage distribution						
<b>Source of operating income</b>							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Federal <sup>3</sup>	0.9	1.4	0.6	0.9	1.0	1.0	1.0
State	12.1	8.7	11.2	13.3	10.2	11.0	14.0
Local	77.6	70.9	78.6	77.8	81.6	82.0	74.0
Other	9.3	19.0	9.7	7.9	7.1	6.0	11.0

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

<sup>2</sup> ALA-MLS=A master's degree from a graduate library education program accredited by the American Library Association (ALA).

<sup>3</sup> Excludes some federal funds received through state library agencies.

NOTE: Detail may not sum to totals due to rounding. Totals may be underestimated due to nonresponse on item or legal service area.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: FY 1997*. (This table was prepared July 2000.)

**Table 422.—Public libraries, books and serial volumes, library visits, and reference transactions, by state: Fiscal year 1997**

State	Number of public libraries	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	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>8,967</b>	<b>723,309</b>	<b>2.8</b>	<b>4.1</b>	<b>6.6</b>	<b>1.1</b>							
Alabama	208	8,161	2.1	3.4	4.0	0.6	Missouri	150	19,518	4.1	4.4	8.4	0.9
Alaska	85	2,034	3.3	5.0	6.1	0.8	Montana	79	2,526	3.0	3.6	5.9	0.6
Arizona	40	7,796	1.8	4.0	6.3	0.9	Nebraska	230	5,161	3.7	5.0	8.0	0.7
Arkansas	38	4,990	2.2	2.7	4.3	0.4	Nevada	23	3,725	2.2	2.6	5.1	1.1
California	172	63,437	1.9	3.8	4.9	1.1	New Hampshire	230	5,237	4.5	4.9	7.6	0.7
Colorado	108	10,112	2.6	5.1	8.8	1.4	New Jersey	307	30,297	3.8	4.9	6.1	1.0
Connecticut	195	14,352	4.4	6.2	8.6	1.3	New Mexico	72	4,188	2.9	5.4	5.4	0.7
Delaware	30	1,449	2.2	3.6	5.3	0.7	New York	744	74,494	4.5	5.8	7.4	2.1
District of Columbia	1	2,863	5.3	3.2	2.7	2.3	North Carolina	75	14,438	2.0	3.6	5.8	0.9
Florida	91	26,259	1.8	3.6	5.1	1.8	North Dakota	80	2,092	3.8	4.1	7.2	0.7
Georgia	56	13,788	1.9	2.8	4.6	0.7	Ohio	250	45,171	4.0	5.2	12.6	1.4
Hawaii	1	3,077	2.6	4.7	6.4	2.2	Oklahoma	115	5,773	2.1	4.1	6.0	0.7
Idaho	105	3,271	3.2	5.2	7.9	0.8	Oregon	126	7,481	2.5	(4)	10.2	0.8
Illinois	622	40,138	3.8	5.4	7.9	1.5	Pennsylvania	461	25,211	2.2	3.2	4.7	0.6
Indiana	238	21,642	4.3	6.0	11.0	1.3	Rhode Island	49	4,175	4.2	5.2	6.6	0.9
Iowa	529	11,356	4.0	5.1	9.0	0.7	South Carolina	40	7,096	1.9	3.0	4.5	1.1
Kansas	324	9,683	4.6	5.3	9.8	1.4	South Dakota	111	2,539	4.9	5.1	9.3	(4)
Kentucky	116	7,493	2.1	3.0	5.4	0.4	Tennessee	142	8,186	1.6	2.8	4.0	0.8
Louisiana	65	10,088	2.3	2.8	4.4	0.8	Texas	511	35,182	2.0	2.8	4.4	1.0
Maine	269	5,475	5.3	4.9	7.8	0.8	Utah	70	5,301	2.6	4.3	9.0	(4)
Maryland	24	13,711	2.7	(4)	9.2	1.2	Vermont	196	2,820	5.4	(4)	7.4	(4)
Massachusetts	371	29,474	4.8	(4)	7.4	(4)	Virginia	90	16,893	2.5	4.6	7.6	1.0
Michigan	384	26,047	2.8	3.9	5.5	0.9	Washington	67	15,602	2.9	(4)	10.2	(4)
Minnesota	130	13,543	2.9	4.7	9.5	1.2	West Virginia	96	4,841	2.7	3.2	5.3	0.8
Mississippi	47	5,265	2.0	2.5	3.3	0.4	Wisconsin	381	17,558	3.4	5.4	9.2	1.2
							Wyoming	23	2,300	4.7	4.8	7.7	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 whatever 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> Response rate less than 70 percent.

NOTE: Totals may be underestimated due to nonresponse.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: FY 1997*. (This table was prepared July 2000.)

**Table 423.—Percent of workers, 18 years old and over, using computers on the job, by selected characteristics and computer activities: October 1993 and October 1997**

Selected characteristics	Percent using computers at work, 1993	1997											
		Percent using computers at work	Number using computers at work, in thousands	Percent of on-the-job computer workers using specific computer applications <sup>1</sup>									
				Analysis/spread-sheets	Book-keeping, invoicing, and inventory	Com-muni-ca-tions <sup>2</sup>	Cal-endar/sched-ule	Data bases	Desk-top pub-lishing/graph-ics	Program-ming	Sales and tele-marketing	Word proc-essing	Using 4 or more cat-egories
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Total</b> .....	<b>45.8</b>	<b>49.8 (0.2)</b>	<b>63,885</b>	<b>40.9</b>	<b>66.4</b>	<b>47.0</b>	<b>37.5</b>	<b>34.1</b>	<b>26.1</b>	<b>15.0</b>	<b>22.1</b>	<b>57.0</b>	<b>44.0</b>
<b>Age</b>													
18 to 24 .....	34.4	37.1 (0.7)	6,007	28.2	70.3	35.3	28.0	23.4	18.4	11.0	23.5	43.1	30.5
25 to 29 .....	48.3	52.5 (0.7)	7,984	41.7	69.8	46.6	38.3	35.0	25.8	16.3	23.4	58.3	45.7
30 to 39 .....	50.7	53.3 (0.5)	18,864	44.0	67.0	49.1	39.6	35.4	28.3	16.7	24.0	58.5	46.8
40 to 49 .....	51.3	54.9 (0.5)	18,182	43.6	65.8	48.6	39.5	36.9	27.1	15.7	20.6	58.9	46.4
50 to 59 .....	43.9	50.7 (0.6)	10,092	39.1	62.8	49.0	37.2	33.5	26.1	13.5	19.6	58.8	43.1
60 or older .....	27.2	32.6 (0.9)	2,755	33.5	62.1	42.2	29.4	28.8	21.6	10.0	21.3	54.1	35.9
<b>Educational attainment and sex</b>													
Not high school graduate .....	10.0	11.9 (0.5)	1,645	18.6	68.9	23.4	22.1	17.3	10.7	8.7	19.7	30.7	20.2
High school graduate .....	34.2	36.4 (0.4)	15,395	28.7	72.0	34.1	29.0	23.1	16.6	10.1	21.0	41.5	30.7
Some college .....	50.4	53.6 (0.5)	14,172	36.5	71.6	42.6	36.0	31.3	24.1	13.7	24.0	52.7	40.6
Associate degree .....	58.2	60.7 (0.8)	6,580	38.9	69.8	43.7	36.0	33.0	25.5	15.1	19.7	52.7	41.2
Bachelor's degree .....	68.8	73.9 (0.5)	17,335	52.7	63.9	57.1	44.0	43.1	32.4	18.9	25.8	67.6	55.3
Master's degree .....	71.2	78.7 (0.8)	6,004	53.8	51.7	63.4	48.1	45.8	39.7	20.8	18.4	80.1	59.8
Doctor's or professional de-gree .....	66.9	74.6 (1.2)	2,754	46.6	47.5	64.9	42.0	39.0	30.3	16.2	10.5	75.2	50.2
<b>Male</b>													
Not high school graduate ..	8.5	9.8 (0.5)	854	20.9	70.1	25.6	22.6	15.6	11.8	9.3	17.8	26.1	20.6
High school graduate .....	24.2	27.1 (0.5)	6,096	29.5	67.4	33.1	25.3	22.9	17.8	11.8	20.5	29.4	27.7
Some college .....	42.8	46.0 (0.7)	6,188	39.3	69.4	44.4	35.5	31.3	27.0	19.6	27.1	46.4	41.4
Associate degree .....	52.6	55.2 (1.2)	2,790	42.8	64.2	45.5	34.9	34.9	28.7	20.4	20.6	45.3	41.8
Bachelor's degree .....	69.8	74.3 (0.7)	9,258	60.0	64.0	62.1	47.4	46.9	35.7	24.1	30.5	66.6	60.0
Master's degree .....	75.4	79.8 (1.1)	3,201	63.3	56.6	70.6	54.6	50.8	41.9	27.8	23.8	80.5	67.4
Doctor's or professional de-gree .....	66.5	73.4 (1.4)	1,949	47.9	50.3	67.3	43.7	38.6	31.9	18.2	11.6	74.6	52.0
<b>Female</b>													
Not high school graduate ..	12.5	15.4 (0.8)	791	16.0	67.7	20.9	21.6	19.1	9.4	8.0	21.7	35.6	19.8
High school graduate .....	45.2	46.9 (0.6)	9,299	28.3	75.0	34.7	31.5	23.3	15.9	8.9	21.4	49.4	32.6
Some college .....	58.6	61.5 (0.7)	7,984	34.4	73.2	41.1	36.4	31.3	21.8	9.1	21.7	57.5	40.1
Associate degree .....	63.7	65.4 (1.0)	3,790	36.0	73.9	42.4	36.8	31.7	23.2	11.2	19.0	58.1	40.7
Bachelor's degree .....	67.6	73.5 (0.7)	8,077	44.4	63.8	51.4	40.1	38.8	28.7	12.9	20.4	68.8	50.0
Master's degree .....	66.5	77.5 (1.1)	2,804	43.0	46.0	55.2	40.7	40.1	37.3	12.8	12.2	79.7	51.0
Doctor's or professional de-gree .....	68.2	77.6 (2.1)	805	43.7	41.0	59.1	37.8	39.9	26.4	11.4	7.9	76.8	45.9
<b>Race/ethnicity</b>													
White, non-Hispanic .....	48.7	53.8 (0.3)	51,904	42.1	67.1	47.7	38.0	34.9	27.1	15.2	23.2	57.9	45.3
Black, non-Hispanic .....	36.2	40.0 (0.7)	5,462	33.1	64.3	43.7	36.1	29.6	21.2	14.1	17.1	52.0	37.2
Hispanic .....	29.3	30.2 (0.8)	3,843	32.2	67.0	40.5	33.7	27.0	20.2	10.6	19.0	50.0	35.1
Other .....	43.9	49.2 (1.3)	2,675	45.8	57.4	49.5	35.8	37.8	25.0	19.3	16.2	59.4	44.7
<b>Occupational group</b>													
Managerial and professional specialty .....	67.7	74.6 (0.4)	28,427	52.4	61.0	58.6	45.2	42.6	36.3	19.1	20.6	71.7	56.0
Executive, administrative, and managerial .....	72.3	77.5 (0.5)	14,528	60.1	76.3	61.4	49.7	47.2	32.6	17.6	30.9	74.5	63.7
Professional specialty oc-cupations .....	68.3	71.7 (0.6)	13,900	44.4	45.1	55.8	40.4	37.8	40.3	20.8	9.8	68.7	47.8
Teachers, except college and university .....	49.1	60.3 (1.2)	2,961	33.1	31.9	39.7	38.4	27.5	42.3	10.8	4.6	73.6	39.8
Teachers, college and university .....	72.5	79.9 (2.2)	759	51.5	27.1	74.6	37.3	40.2	41.3	23.9	5.4	83.5	48.9
Technical, sales, and adminis-trative support .....	65.5	79.1 (0.4)	25,739	35.1	74.6	41.8	33.9	30.4	19.4	11.9	28.1	52.1	39.5
Technicians and related support .....	69.9	75.1 (1.1)	3,226	42.9	51.8	49.4	35.5	36.9	26.1	31.2	7.7	49.6	41.4
Sales occupations .....	48.8	54.8 (0.7)	8,277	38.4	83.0	43.0	34.3	31.3	21.0	10.5	57.2	46.1	44.8
Administrative support, in-cluding clerical .....	76.7	77.6 (0.5)	14,235	31.4	75.0	39.4	33.3	28.3	17.0	8.3	15.9	56.2	36.0
Service occupations .....	14.7	16.4 (0.5)	2,752	15.7	52.3	27.6	27.9	17.4	9.6	6.6	11.0	34.4	17.9
Precision production, craft, and repair .....	23.2	25.0 (0.6)	3,501	29.6	62.8	31.6	27.0	22.5	18.2	16.3	11.1	29.0	26.2
Operators, fabricators, and la-borers .....	14.9	17.3 (0.5)	3,154	19.1	63.1	21.3	19.0	14.6	12.6	9.7	9.2	17.4	15.4
Farming, forestry, and fishing	8.5	9.3 (0.9)	311	40.2	79.3	22.8	27.3	33.0	11.2	10.2	19.1	33.7	33.0
<b>Family income<sup>3</sup></b>													
Less than \$20,000 .....	25.1	26.7 (0.5)	5,915	27.6	67.8	34.0	28.7	24.0	19.4	11.7	22.2	44.9	31.4
\$20,000 to \$29,999 .....	38.4	38.4 (0.6)	7,310	30.3	69.4	36.9	30.2	26.1	21.8	10.5	20.0	48.0	34.3
\$30,000 to \$39,999 .....	45.7	45.8 (0.6)	8,915	35.7	67.4	42.2	33.7	29.4	23.8	12.8	20.8	50.8	38.0
\$40,000 to \$49,999 .....	51.9	52.3 (0.7)	7,737	40.0	69.0	43.6	36.9	31.8	25.4	15.0	21.0	53.8	42.5
\$50,000 to \$74,999 .....	60.6	59.9 (0.5)	16,966	42.7	65.8	48.6	38.9	36.1	27.2	16.5	20.6	58.4	45.5
\$75,000 or more .....	65.9	69.7 (0.5)	17,042	51.4	63.6	58.4	44.6	42.3	30.6	17.8	25.7	68.4	54.7

<sup>1</sup> Individuals may be counted in more than one computer activity.<sup>2</sup> Includes bulletin boards and electronic mail.<sup>3</sup> Excludes persons whose income data were not available.

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 1997, unpublished data. (This table was prepared August 1998.)

**Table 424.—Access to and use of home computers, by selected characteristics of students and other users:  
October 1997**

Selected characteristics	Percent with computers at home	Number using computers at home, in thousands	Percent using computers at home	Distribution of frequency of use per week for persons using computers in home				Percent of persons whose home computer has specific capabilities <sup>1</sup>			
				6 or 7 days	4 or 5 days	2 or 3 days	1 day or less	CD-ROM drive	Printer	Modem	Internet
1	2	3	4	5	6	7	8	9	10	11	12
<b>Total, all persons</b> .....	<b>43.0 (0.2)</b>	<b>81,013</b>	<b>30.3 (0.2)</b>	<b>23.4 (0.2)</b>	<b>20.1 (0.2)</b>	<b>32.6 (0.2)</b>	<b>24.0 (0.2)</b>	<b>71.3 (0.2)</b>	<b>85.5 (0.2)</b>	<b>71.1 (0.2)</b>	<b>52.1 (0.3)</b>
<b>Sex</b>											
Male .....	44.3 (0.2)	41,260	31.6 (0.2)	27.1 (0.2)	20.1 (0.2)	30.6 (0.2)	22.2 (0.2)	72.1 (0.3)	85.5 (0.2)	71.7 (0.3)	52.9 (0.3)
Female .....	41.7 (0.2)	39,753	29.1 (0.2)	19.6 (0.2)	20.0 (0.2)	34.6 (0.2)	25.8 (0.2)	70.6 (0.3)	85.6 (0.2)	70.5 (0.3)	51.2 (0.3)
<b>Race/ethnicity</b>											
White, non-Hispanic .....	49.2 (0.2)	68,026	35.5 (0.2)	23.5 (0.2)	20.2 (0.2)	32.1 (0.2)	24.3 (0.2)	72.4 (0.3)	87.1 (0.2)	72.8 (0.3)	53.7 (0.3)
Black, non-Hispanic .....	22.8 (0.4)	4,943	14.7 (0.3)	20.8 (0.7)	20.5 (0.7)	37.6 (0.8)	21.2 (0.7)	58.2 (1.0)	75.2 (0.9)	57.7 (1.0)	40.3 (1.0)
Hispanic .....	22.2 (0.5)	4,081	13.5 (0.4)	23.3 (0.8)	17.3 (0.7)	36.4 (0.9)	23.1 (0.8)	69.1 (1.1)	78.2 (1.0)	60.8 (1.2)	44.4 (1.2)
<b>Age</b>											
Under 5 .....	39.0 (0.6)	1,675	8.5 (0.3)	12.2 (0.5)	16.3 (0.5)	38.1 (0.7)	33.5 (0.7)	71.9 (0.8)	83.3 (0.7)	74.5 (0.8)	53.8 (0.9)
5 to 9 .....	46.4 (0.6)	7,599	37.1 (0.6)	11.8 (0.4)	17.6 (0.5)	44.2 (0.6)	28.4 (0.6)	74.7 (0.7)	83.8 (0.6)	71.5 (0.8)	50.5 (0.8)
10 to 14 .....	55.1 (0.6)	9,500	48.7 (0.6)	21.1 (0.5)	21.8 (0.5)	38.0 (0.6)	19.1 (0.5)	75.5 (0.7)	87.9 (0.5)	70.6 (0.7)	50.3 (0.8)
15 to 19 .....	53.0 (0.6)	8,395	43.1 (0.5)	24.7 (0.5)	22.4 (0.5)	32.4 (0.6)	20.5 (0.5)	73.7 (0.7)	88.0 (0.5)	69.9 (0.7)	52.3 (0.8)
20 to 24 .....	41.2 (0.6)	4,975	28.5 (0.6)	28.3 (0.8)	20.2 (0.7)	28.9 (0.8)	22.6 (0.7)	69.5 (1.0)	83.4 (0.8)	69.8 (1.0)	53.0 (1.1)
25 to 29 .....	39.3 (0.6)	5,963	31.7 (0.6)	26.1 (0.7)	22.3 (0.6)	30.0 (0.7)	21.7 (0.6)	70.1 (0.9)	80.4 (0.8)	75.8 (0.9)	58.4 (1.0)
30 to 39 .....	47.0 (0.4)	15,393	35.8 (0.4)	24.2 (0.4)	20.6 (0.4)	32.0 (0.4)	23.2 (0.4)	71.9 (0.5)	84.5 (0.4)	72.8 (0.5)	53.5 (0.6)
40 to 49 .....	54.0 (0.4)	15,346	39.3 (0.4)	24.3 (0.4)	18.8 (0.3)	30.3 (0.4)	26.6 (0.4)	73.9 (0.5)	87.4 (0.4)	73.0 (0.5)	54.4 (0.6)
50 to 59 .....	44.2 (0.5)	7,679	28.5 (0.5)	26.7 (0.5)	19.8 (0.5)	28.0 (0.5)	25.7 (0.5)	66.5 (0.7)	86.2 (0.5)	67.6 (0.7)	50.7 (0.8)
60 to 69 .....	27.5 (0.6)	3,162	16.2 (0.5)	29.7 (0.8)	17.5 (0.7)	24.1 (0.8)	28.6 (0.8)	61.0 (1.2)	86.8 (0.8)	63.5 (1.1)	42.3 (1.2)
70 or older .....	13.2 (0.4)	1,327	5.9 (0.3)	29.4 (1.1)	17.8 (1.0)	25.4 (1.1)	27.5 (1.1)	59.0 (1.6)	86.1 (1.1)	60.4 (1.5)	38.6 (1.5)
<b>Family income</b>											
Less than \$5,000 .....	19.4 (0.6)	1,517	13.3 (0.5)	31.1 (1.3)	16.7 (1.1)	26.8 (1.3)	25.3 (1.3)	63.2 (1.8)	81.9 (1.4)	66.2 (1.8)	44.6 (1.8)
\$5,000 to \$9,999 .....	12.1 (0.4)	1,575	8.1 (0.3)	24.8 (1.2)	19.6 (1.1)	29.4 (1.3)	28.1 (1.3)	59.6 (1.8)	81.0 (1.4)	56.7 (1.8)	40.5 (1.8)
\$10,000 to \$14,999 .....	15.6 (0.4)	2,197	9.7 (0.3)	26.2 (1.1)	17.7 (0.9)	31.4 (1.1)	24.8 (1.0)	55.9 (1.5)	74.5 (1.3)	54.7 (1.5)	38.7 (1.4)
\$15,000 to \$19,999 .....	18.4 (0.5)	2,084	12.0 (0.4)	25.9 (1.1)	20.4 (1.0)	29.9 (1.1)	23.8 (1.1)	60.5 (1.5)	77.8 (1.3)	60.0 (1.5)	42.7 (1.5)
\$20,000 to \$24,999 .....	25.5 (0.5)	3,645	17.1 (0.4)	25.1 (0.8)	18.9 (0.7)	31.4 (0.9)	24.5 (0.8)	59.9 (1.2)	80.9 (0.9)	58.1 (1.2)	38.8 (1.2)
\$25,000 to \$29,999 .....	31.4 (0.6)	4,174	21.0 (0.5)	23.3 (0.7)	19.3 (0.7)	33.3 (0.8)	24.1 (0.8)	62.2 (1.1)	77.6 (0.9)	61.0 (1.1)	42.0 (1.1)
\$30,000 to \$34,999 .....	38.3 (0.6)	5,003	25.7 (0.5)	22.5 (0.7)	20.5 (0.6)	32.9 (0.7)	24.1 (0.7)	66.4 (1.0)	82.6 (0.8)	64.1 (1.0)	43.7 (1.0)
\$35,000 to \$39,999 .....	43.6 (0.6)	5,367	29.1 (0.6)	22.7 (0.6)	18.5 (0.6)	34.1 (0.7)	24.7 (0.6)	65.9 (0.9)	84.3 (0.7)	66.3 (0.9)	46.1 (1.0)
\$40,000 to \$49,999 .....	51.1 (0.5)	9,627	35.4 (0.5)	22.2 (0.5)	19.5 (0.4)	33.3 (0.5)	25.1 (0.5)	68.2 (0.7)	86.0 (0.5)	67.6 (0.7)	48.4 (0.7)
\$50,000 to \$74,999 .....	62.3 (0.4)	21,685	44.6 (0.4)	22.1 (0.3)	20.2 (0.3)	32.5 (0.4)	25.1 (0.3)	73.9 (0.4)	87.2 (0.3)	74.3 (0.4)	53.9 (0.5)
\$75,000 or more .....	77.6 (0.4)	24,138	58.0 (0.4)	24.1 (0.3)	21.1 (0.3)	32.8 (0.3)	22.0 (0.3)	80.9 (0.4)	89.8 (0.3)	81.1 (0.4)	64.5 (0.5)
<b>Total, all students</b> .....	<b>54.6 (0.3)</b>	<b>32,459</b>	<b>45.1 (0.3)</b>	<b>21.7 (0.2)</b>	<b>21.2 (0.2)</b>	<b>36.3 (0.3)</b>	<b>20.8 (0.2)</b>	<b>74.6 (0.3)</b>	<b>86.9 (0.3)</b>	<b>71.9 (0.4)</b>	<b>52.9 (0.4)</b>
Preprimary .....	45.2 (0.9)	2,493	29.6 (0.8)	10.8 (0.6)	17.7 (0.8)	41.2 (1.0)	30.3 (0.9)	74.8 (1.2)	85.4 (0.9)	73.4 (1.2)	53.5 (1.3)
1st to 8th grade .....	50.7 (0.5)	14,056	43.4 (0.5)	16.5 (0.4)	19.9 (0.4)	41.5 (0.5)	22.1 (0.4)	75.2 (0.6)	86.0 (0.4)	71.0 (0.6)	50.3 (0.6)
9th to 12th grade .....	55.7 (0.6)	7,699	48.8 (0.6)	23.9 (0.5)	22.8 (0.5)	33.6 (0.6)	19.6 (0.5)	74.6 (0.7)	88.6 (0.5)	70.2 (0.8)	51.5 (0.8)
Undergraduate .....	64.7 (0.7)	6,179	49.8 (0.7)	30.8 (0.7)	22.3 (0.6)	29.0 (0.7)	17.9 (0.6)	73.3 (0.9)	86.9 (0.7)	73.6 (0.9)	57.6 (1.0)
Graduate .....	75.3 (1.2)	2,032	67.2 (1.3)	34.1 (1.2)	25.4 (1.1)	26.9 (1.1)	13.6 (0.9)	73.6 (1.5)	89.4 (1.0)	78.9 (1.4)	65.1 (1.6)
<b>Sex</b>											
Male .....	54.8 (0.4)	16,213	45.2 (0.4)	24.4 (0.4)	21.1 (0.3)	35.1 (0.4)	19.4 (0.3)	75.5 (0.5)	86.5 (0.4)	72.3 (0.5)	53.4 (0.6)
Preprimary .....	46.5 (1.3)	1,308	30.3 (1.2)	13.4 (0.9)	20.1 (1.1)	37.1 (1.3)	29.4 (1.3)	74.3 (1.6)	83.3 (1.4)	72.3 (1.6)	53.6 (1.8)
1st to 8th grade .....	50.9 (0.6)	7,257	43.6 (0.6)	18.0 (0.5)	20.8 (0.5)	41.2 (0.7)	20.1 (0.5)	75.1 (0.8)	85.6 (0.6)	70.8 (0.8)	50.2 (0.9)
9th to 12th grade .....	56.1 (0.9)	3,971	49.3 (0.9)	27.3 (0.8)	21.8 (0.7)	31.4 (0.8)	19.6 (0.7)	76.4 (1.0)	88.7 (0.7)	71.9 (1.0)	53.0 (1.1)
Undergraduate .....	66.6 (1.0)	2,841	51.3 (1.0)	36.9 (1.1)	20.4 (0.9)	26.9 (1.0)	15.8 (0.8)	76.9 (1.3)	87.2 (1.0)	76.1 (1.3)	60.8 (1.5)
Graduate .....	73.8 (1.9)	834	64.1 (2.0)	40.3 (1.9)	24.5 (1.7)	25.4 (1.7)	9.8 (1.2)	74.2 (2.2)	88.3 (1.7)	77.8 (2.1)	63.7 (2.5)
Female .....	54.4 (0.4)	16,246	44.9 (0.4)	19.0 (0.3)	21.3 (0.3)	37.4 (0.4)	22.3 (0.4)	73.7 (0.5)	87.3 (0.4)	71.6 (0.5)	52.4 (0.6)
Preprimary .....	43.9 (1.3)	1,185	28.8 (1.2)	8.0 (0.8)	15.0 (1.0)	45.6 (1.4)	31.4 (1.3)	75.5 (1.7)	87.7 (1.3)	74.7 (1.7)	53.4 (1.9)
1st to 8th grade .....	50.5 (0.7)	6,799	43.3 (0.7)	15.0 (0.5)	18.9 (0.5)	41.7 (0.7)	24.3 (0.6)	75.3 (0.8)	86.4 (0.6)	71.3 (0.8)	50.4 (0.9)
9th to 12th grade .....	55.2 (0.9)	3,728	48.1 (0.9)	20.3 (0.7)	23.9 (0.8)	36.1 (0.8)	19.7 (0.7)	72.6 (1.1)	88.5 (0.8)	68.4 (1.1)	49.9 (1.2)
Undergraduate .....	63.1 (0.9)	3,337	48.6 (0.9)	25.7 (0.9)	23.9 (0.9)	30.7 (0.9)	19.7 (0.8)	70.4 (1.2)	86.7 (0.9)	71.7 (1.2)	55.0 (1.3)
Graduate .....	76.5 (1.6)	1,197	69.6 (1.7)	29.7 (1.5)	26.0 (1.4)	28.0 (1.5)	16.3 (1.2)	73.2 (1.9)	90.2 (1.3)	79.7 (1.7)	66.0 (2.1)
<b>Race/ethnicity</b>											
White, non-Hispanic .....	65.4 (0.3)	26,229	54.9 (0.4)	21.4 (0.3)	21.4 (0.3)	35.8 (0.3)	21.4 (0.3)	76.4 (0.4)	89.1 (0.3)	74.1 (0.4)	55.2 (0.4)
Preprimary .....	56.9 (1.1)	2,080	38.4 (1.1)	11.2 (0.7)	17.4 (0.8)	41.8 (1.1)	29.6 (1.0)	77.1 (1.3)	87.3 (1.0)	74.9 (1.3)	54.9 (1.5)
1st to 8th grade .....	62.0 (0.6)	11,340	54.4 (0.6)	16.0 (0.4)	20.3 (0.4)	41.1 (0.5)	22.6 (0.4)	77.2 (0.6)	88.5 (0.5)	74.0 (0.6)	53.2 (0.7)
9th to 12th grade .....	68.7 (0.7)	6,265	60.9 (0.7)	23.9 (0.6)	23.0 (0.6)	32.8 (0.6)	20.3 (0.5)	76.3 (0.8)	90.6 (0.5)	72.1 (0.8)	53.5 (0.9)
Undergraduate .....	71.3 (0.7)	4,927	55.1 (0.8)	31.1 (0.8)	22.1 (0.7)	27.9 (0.8)	18.9 (0.7)	74.6 (1.0)	89.0 (0.7)	75.4 (1.0)	59.9 (1.1)
Graduate .....	78.9 (1.3)	1,617	70.3 (1.5)	33.0 (1.3)	25.8 (1.2)	27.1 (1.2)	14.0 (1.0)	74.3 (1.6)	90.5 (1.1)	78.6 (1.5)	65.2 (1.8)
Black, non-Hispanic .....	28.2 (0.7)	2,330	21.1 (0.6)	20.3 (1.0)	21.9 (1.0)	41.1 (1.2)	16.6 (0.9)	57.8 (1.5)	75.3 (1.3)	58.6 (1.5)	39.1 (1.5)
Preprimary .....	17.8 (1.5)	139	9.8 (1.2)	11.3 (2.4)	19.8 (3.0)	31.0 (3.5)	37.8 (3.7)	55.5 (4.7)	80.5 (3.8)	62.0 (4.6)	43.0 (4.7)
1st to 8th grade .....	26.8 (0.9)	1,078	20.6 (0.8)	19.7 (1.3)	17.2 (1.3)	47.3 (1.7)	15.8 (1.2)	58.3 (2.0)	74.0 (1.8)	55.4 (2.0)	34.8 (1.9)
9th to 12th grade .....	26.6 (1.4)	534	21.0 (1.3)	19.9 (2.1)	27.6 (2.4)	38.4 (2.6)	14.1 (1.8)	56.2 (3.1)	73.8 (2.8)	57.5 (3.1)	39.4 (3.1)
Undergraduate .....	37.8 (2.0)	394	25.6 (1.8)	19.2 (2.7)	26.4 (3.0)	38.4 (3.3)	16.0 (2.5)	56.2 (4.1)	73.1 (3.6)	61.3 (4.0)	40.3 (4.0)
Graduate .....	63.0 (4.4)	185	56.3 (4.5)	34.4 (4.3)	24.7 (3.9)	26.5 (4.0)	14.3 (3.2)	67.0 (5.5)	87.6 (3.8)	75.6 (5.0)	61.0 (5.7)
Hispanic .....	27.2 (0.8)	1,944	21.1 (0.7)	22.2 (1.1)	18.7 (1.1)	41.1 (1.4)	18.0 (1.1)	72.8 (1.6)	77.9 (1.5)	60.8 (1.7)	45.2 (1.8)
Preprimary .....	21.2 (1.5)	134	11.2 (1.1)	9.6 (1.9)	17.3 (2.4)	43.3 (3.1)	29.9 (2.9)	65.8 (3.7)	74.7 (3.4)	67.4 (3.7)	46.0 (3.9)
1st to 8th grade .....	24.0 (0.8)	863	18.6 (0.7)	18.0 (1.1)	17.3 (1.1)	44.2 (1.5)	20.4 (1.2)	72.8 (1.7)	75.7 (1.6)	57.7 (1.9)	43.6 (1.9)
9th to 12th grade .....	25.8 (1.7)	458	21.6 (1.6)	25.0 (2.5)	19.3 (2.3)	37.1 (2.8)	18.6 (2.2)	73.2 (3.3)	81.0 (2.9)	58.0 (3.7)	41.0 (3.7)
Undergraduate .....	45.8 (2.6)	430	37.3 (2.5)	29.1 (2.9)	21.1 (2.6)	38.7 (3.1)	11.2 (2.0)	74.4 (3.6)	81.1 (3.2)	65.0 (3.9)	50.9 (4.1)
Graduate .....	(2) —	(2) —	(2) —	(2) —	(2) —	(2) —	(2) —	(2) —	(2) —	(2) —	(2) —
<b>Family income</b>											
Less than \$5,000 .....	29.5 (1.2)	812	22.6 (1.1)	30.7 (1.7)	16.7 (1.4)	31.2 (1.7)	21.4 (1.5)	66.8 (2.3)	86.1 (1.7)	69.3 (2.2)	49.5 (2.4)
\$5,000 to \$9,999 .....	20.8 (0.9)	790	15.8 (0.8)	27.0 (1.7)	18.9 (1.5)	32.7 (1.8)	21.5 (1.6)	63.6 (2.3)	81.4 (1.9)	58.7 (2.4)	43.3 (2.4)
\$10,000 to \$14,999 .....	23.7 (0.9)	1,004	18.4 (0.8)	26.2 (1.6)	17.0 (1.3)	37.0 (1.7)	19.7				

**Table 425.—Percent of home computer users using specific applications, by selected characteristics: October 1997**

Selected characteristics	Number of home computer users, in thousands	Percent of computer users using specific applications <sup>1</sup>										
		Home book-keeping <sup>2</sup>	School assignments	Games	Job-related <sup>2</sup>	Home connection to school or work	Word processing	Data bases <sup>2</sup>	Graphics	Desktop publishing <sup>2</sup>	Spreadsheets <sup>2</sup>	Internet
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Total, all persons ...</b>	<b>81,013 (600)</b>	—	29.9	62.6	—	10.6 (0.2)	60.9	—	23.4	—	—	44.9 (0.3)
<b>Total, all persons over 15 .....</b>	<b>53,845 (461)</b>	<b>45.2 (0.4)</b>	<b>16.0</b>	<b>53.2</b>	<b>35.5</b>	<b>14.6 (0.3)</b>	<b>70.6</b>	<b>26.7</b>	<b>26.0</b>	<b>17.9</b>	<b>29.4</b>	<b>52.4 (0.4)</b>
<b>Sex</b>												
Male .....	41,260 (413)	32.4 (0.4)	28.5	66.4	26.8	12.9 (0.3)	57.0	21.0	24.0	12.4	23.1	48.4 (0.4)
Female .....	39,753 (304)	28.8 (0.4)	31.3	58.5	21.8	8.3 (0.2)	64.9	16.4	22.8	13.2	17.8	41.3 (0.4)
<b>Race/ethnicity</b>												
White, non-Hispanic .....	68,026 (330)	31.5 (0.3)	28.9	62.9	24.8	10.9 (0.2)	61.7	19.3	24.0	13.2	21.1	46.1 (0.3)
Black, non-Hispanic .....	4,943 (108)	28.1 (1.1)	32.9	62.5	22.5	8.8 (0.7)	55.6	15.2	20.5	11.0	17.9	34.3 (1.2)
Hispanic .....	4,081 (93)	24.3 (1.3)	34.6	59.6	19.9	7.5 (0.8)	55.8	14.3	20.1	10.4	14.6	38.1 (1.5)
Other .....	3,963 —	24.3 (1.3)	38.3	59.1	22.4	11.7 (1.0)	59.1	17.7	21.3	10.0	19.4	44.2 (1.6)
<b>Age</b>												
Under 15 .....	18,774 (222)	—	49.0	87.0	—	1.2 (0.1)	31.5	—	17.2	—	—	22.8 (0.5)
15 to 19 .....	8,395 (153)	5.6 (0.4)	75.9	67.7	7.1	6.1 (0.5)	64.2	9.3	20.9	8.9	9.4	46.1 (0.9)
20 to 24 .....	4,975 (119)	24.0 (1.0)	51.3	60.9	16.4	16.3 (0.9)	70.9	19.0	22.6	12.1	21.6	55.9 (1.2)
25 to 29 .....	5,963 (130)	44.3 (1.1)	23.4	58.5	34.8	17.9 (0.9)	71.5	26.3	25.1	19.8	30.5	59.0 (1.1)
30 to 39 .....	15,393 (203)	48.3 (0.7)	13.3	58.3	39.2	15.8 (0.5)	68.7	27.0	27.7	19.3	31.1	53.2 (0.7)
40 to 49 .....	15,346 (203)	46.5 (0.7)	12.2	50.4	39.2	14.9 (0.5)	71.4	28.0	27.3	18.9	30.8	52.8 (0.7)
50 to 59 .....	7,679 (147)	48.2 (1.0)	8.3	43.7	41.2	13.5 (0.7)	73.4	30.3	25.8	18.0	30.7	50.0 (1.0)
60 to 69 .....	3,162 (96)	51.3 (1.5)	3.5	47.9	25.1	5.8 (0.7)	69.9	25.1	22.4	15.1	25.7	42.3 (1.5)
70 or older .....	1,327 (62)	44.5 (2.4)	2.1	43.0	17.3	4.4 (1.0)	63.8	22.4	17.1	9.2	20.2	35.3 (2.3)
<b>Family income</b>												
Under \$20,000 .....	7,374 (144)	25.8 (0.9)	34.2	61.8	16.2	9.3 (0.6)	58.0	15.3	21.8	9.9	17.4	38.9 (1.0)
\$20,000 to \$29,999 .....	7,819 (148)	29.3 (0.9)	30.8	66.4	18.7	6.7 (0.5)	57.2	15.6	22.4	12.4	16.6	37.6 (0.9)
\$30,000 to \$39,999 .....	10,370 (169)	30.2 (0.8)	29.4	64.5	20.4	7.6 (0.5)	55.3	17.5	23.2	12.0	17.4	38.7 (0.8)
\$40,000 to \$49,999 .....	9,627 (164)	29.3 (0.8)	28.3	66.3	20.4	8.1 (0.5)	55.5	16.6	23.9	12.1	18.0	38.6 (0.9)
\$50,000 to \$74,999 .....	21,685 (236)	30.4 (0.5)	29.9	63.6	24.6	10.4 (0.4)	61.7	18.6	24.0	13.2	20.7	45.6 (0.6)
\$75,000 or more .....	24,138 (247)	33.4 (0.5)	29.1	58.2	31.7	14.9 (0.4)	66.8	22.2	23.7	14.1	25.0	53.6 (0.6)

—Not available.

<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.

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 1997, unpublished data. (This table was prepared October 1998.)

**Table 426.—Percent of student home computer users using specific applications, by selected characteristics: October 1997**

Selected characteristics	Number of home computer users, in thousands	Percent of computer users using specific applications <sup>1</sup>										
		Home book-keeping <sup>2</sup>	School assignments	Games	Job-related <sup>2</sup>	Home connection to school or work	Word processing	Data bases <sup>2</sup>	Graphics	Desktop publishing <sup>2</sup>	Spreadsheets <sup>2</sup>	Internet
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Total, all students .....</b>	<b>32,459 (310)</b>	—	65.9 (0.4)	78.0	—	7.4 (0.2)	52.5	—	21.4	—	—	36.3 (0.4)
Preprimary .....	2,493 (83)	—	5.2 (0.7)	89.5	—	0.4 (0.2)	4.6	0.0	10.8	—	—	4.4 (0.7)
1st to 8th grade .....	14,056 (205)	—	58.3 (0.7)	93.0	—	1.3 (0.2)	36.1	0.0	19.2	—	—	25.1 (0.6)
White, non-Hispanic .....	11,340 (182)	—	55.6 (0.8)	89.1	—	1.2 (0.2)	35.7	0.0	19.5	—	—	26.4 (0.7)
Black, non-Hispanic .....	1,078 (50)	—	49.8 (2.3)	84.1	—	1.0 (0.5)	23.6	0.0	9.5	—	—	16.0 (1.7)
Hispanic .....	863 (37)	—	51.0 (2.1)	77.5	—	2.0 (0.6)	28.2	0.0	14.3	—	—	19.4 (1.7)
9th to 12th grade .....	7,699 (139)	2.9	84.8 (0.6)	76.0	5.2	3.1 (0.3)	65.9	6.1	22.3	7.0	6.5	42.2 (0.9)
White, non-Hispanic .....	6,265 (125)	2.8	80.4 (0.8)	72.5	4.2	3.1 (0.3)	64.3	6.0	22.2	7.1	6.3	43.6 (1.0)
Black, non-Hispanic .....	534 (38)	1.7	74.3 (3.1)	69.7	9.9	1.4 (0.8)	47.2	2.4	15.3	4.0	2.2	27.6 (3.2)
Hispanic .....	458 (37)	3.1	73.0 (3.6)	64.2	4.4	2.2 (1.2)	55.2	4.1	13.4	3.9	4.5	37.3 (3.9)
Undergraduate .....	6,179 (124)	22.5	82.0 (0.8)	54.3	17.8	20.3 (0.8)	79.7	0.0	25.4	14.3	24.6	57.9 (1.0)
Graduate .....	2,032 (70)	38.1	73.4 (1.5)	44.3	43.4	32.0 (1.6)	88.0	0.0	32.9	25.5	36.6	65.9 (1.6)
<b>Males</b>												
Preprimary .....	1,308 (60)	—	5.5 (1.0)	90.3	—	0.8 (0.4)	3.8	0.0	11.2	—	—	5.9 (1.1)
1st to 8th grade .....	7,257 (144)	—	54.8 (1.0)	89.8	—	1.4 (0.2)	31.3	0.0	16.3	—	—	25.0 (0.8)
9th to 12th grade .....	3,971 (98)	3.0	78.6 (1.0)	78.8	5.5	3.4 (0.4)	58.9	0.0	21.9	6.6	6.7	44.5 (1.2)
Undergraduate .....	2,841 (83)	23.5	82.7 (1.1)	59.8	18.8	23.7 (1.2)	78.8	0.0	28.6	13.8	28.4	63.6 (1.4)
Graduate .....	834 (45)	44.2	73.7 (2.3)	50.4	48.1	39.0 (2.6)	85.9	0.0	34.5	26.0	43.0	68.8 (2.5)
<b>Females</b>												
Preprimary .....	1,185 (57)	—	4.9 (1.0)	88.6	—	0.0 (0.0)	5.3	0.0	10.4	—	—	2.7 (0.8)
1st to 8th grade .....	6,799 (139)	—	55.4 (1.0)	85.9	—	1.1 (0.2)	37.0	0.0	20.0	—	—	25.1 (0.9)
9th to 12th grade .....	3,728 (95)	2.5	81.3 (1.0)	64.0	4.1	2.5 (0.4)	65.5	0.0	20.0	6.5	5.5	39.7 (1.2)
Undergraduate .....	3,337 (90)	21.6	81.5 (1.0)	49.5	17.0	17.4 (1.0)	80.6	0.0	22.7	14.7	21.3	53.1 (1.3)
Graduate .....	1,197 (54)	33.9	73.2 (2.0)	40.0	40.2	27.0 (2.0)	89.4	0.0	31.8	25.2	32.2	63.8 (2.1)

—Not available.

<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.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1997, unpublished data. (This table was prepared October 1998.)

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

**Table 427.—Student use of computers, by level of instruction and selected characteristics: 1984 to 1997**

Student and school characteristics	October, 1984 total	October 1989, total	October 1993						October 1997					
			Total	Pre-kindergarten and kindergarten	Grades 1 to 8	Grades 9 to 12	1st to 4th year of college	5th or later year of college	Total	Pre-kindergarten and kindergarten	Grades 1 to 8	Grades 9 to 12	1st to 4th year of college	5th or later year of college
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Percent of students using computers at school														
<b>Total</b> .....	<b>27.3</b>	<b>42.7</b>	<b>59.0</b>	<b>26.2</b>	<b>68.9</b>	<b>58.2</b>	<b>55.2</b>	<b>52.1</b>	<b>68.8</b>	<b>36.5</b>	<b>79.3 (0.4)</b>	<b>70.5 (0.6)</b>	<b>64.7</b>	<b>55.5</b>
Sex .....														
Male .....	29.0	43.5	59.4	25.9	69.5	56.5	57.5	56.7	70.1	37.1	79.5 (0.5)	71.3 (0.8)	67.8	59.9
Female .....	25.5	41.9	58.7	26.5	68.4	60.0	53.3	47.8	67.6	35.7	79.0 (0.5)	69.6 (0.8)	62.2	52.1
Race/ethnicity .....														
White, non-Hispanic .....	30.0	45.7	61.6	29.4	73.7	59.9	54.9	49.8	71.1	38.7	84.0 (0.4)	71.9 (0.7)	64.3	53.8
Black, non-Hispanic .....	16.8	32.6	51.5	16.5	56.5	54.5	56.9	57.9	66.3	33.5	71.6 (0.9)	72.9 (1.4)	69.2	55.8
Hispanic .....	18.6	34.9	52.3	19.2	58.4	54.1	51.9	53.7	61.5	31.0	68.3 (0.9)	63.1 (1.8)	63.3	54.7
Other .....	28.6	42.7	59.0	23.5	65.7	57.3	60.9	69.4	65.3	32.7	74.9 (1.3)	63.6 (2.9)	63.1	68.9
Household income .....														
Less than \$5,000 .....	18.7	36.7	51.2	19.6	55.0	50.6	61.7	66.7	62.1	25.4	69.6 (1.9)	67.9 (2.9)	61.1	74.1
\$5,000 to \$9,999 .....	21.0	36.1	53.3	24.4	60.3	51.9	53.9	56.2	63.5	35.1	70.1 (1.6)	61.6 (2.4)	69.8	74.8
\$10,000 to \$14,999 .....	22.4	38.4	56.4	20.1	64.7	56.7	50.7	76.1	66.2	33.3	74.1 (1.4)	68.2 (2.1)	64.1	70.5
\$15,000 to \$19,999 .....	25.9	41.5	58.1	23.8	67.5	57.4	51.2	58.5	65.9	33.0	74.9 (1.6)	66.7 (2.4)	62.1	69.4
\$20,000 to \$24,999 .....	26.7	42.4	56.4	23.7	64.3	53.0	57.4	52.4	66.9	34.2	74.9 (1.5)	69.2 (2.0)	64.0	65.8
\$25,000 to \$29,999 .....	30.5	46.1	60.0	28.0	70.1	60.3	51.5	58.0	68.5	38.9	77.7 (1.5)	72.0 (2.2)	63.1	53.7
\$30,000 to \$34,999 .....	30.5	44.2	59.1	23.7	69.6	59.7	51.7	45.3	67.6	34.6	79.9 (1.3)	70.4 (2.1)	55.2	47.7
\$35,000 to \$39,999 .....	32.3	45.2	60.7	27.1	72.1	61.7	49.2	47.9	69.0	34.6	79.9 (1.4)	70.1 (2.2)	61.5	55.2
\$40,000 to \$49,999 .....	32.8	44.7	59.3	28.5	70.3	57.2	53.9	48.6	70.5	34.7	81.6 (1.1)	74.1 (1.6)	63.3	52.0
\$50,000 to \$74,999 .....	35.5	47.0	62.6	28.6	75.6	61.5	57.4	44.2	71.7	39.3	84.0 (0.8)	72.8 (1.2)	67.2	48.5
\$75,000 or more .....	36.0	51.2	64.6	33.5	78.7	62.5	60.9	47.7	72.1	43.2	85.7 (0.8)	71.6 (1.3)	68.1	50.1
Control of school .....														
Public .....	27.4	43.3	60.2	30.1	68.6	58.1	53.9	54.1	70.2	40.1	79.0 (0.4)	70.5 (0.6)	63.4	56.7
Private .....	26.5	38.9	52.1	18.7	72.5	60.7	60.7	48.0	60.7	29.6	82.1 (1.1)	69.6 (2.1)	70.4	53.0
Percent of students using computers at home														
<b>Total</b> .....	<b>11.5</b>	<b>18.8</b>	<b>27.0</b>	<b>15.6</b>	<b>24.7</b>	<b>28.7</b>	<b>32.8</b>	<b>52.6</b>	<b>45.1</b>	<b>29.6</b>	<b>43.4 (0.5)</b>	<b>48.8 (0.6)</b>	<b>49.8</b>	<b>67.2</b>
Sex .....														
Male .....	14.0	20.7	27.4	15.1	24.8	28.2	36.6	56.1	45.2	30.3	43.6 (0.6)	49.3 (0.9)	51.3	64.1
Female .....	9.0	17.0	26.6	16.1	24.6	29.2	29.7	49.5	44.9	28.8	43.3 (0.7)	48.1 (0.9)	48.6	69.6
Race/ethnicity .....														
White, non-Hispanic .....	13.7	22.7	32.8	19.4	31.4	35.9	36.0	53.6	54.9	38.4	54.4 (0.6)	60.9 (0.7)	55.1	70.3
Black, non-Hispanic .....	4.9	7.3	10.9	4.2	9.0	10.4	19.4	48.1	21.1	9.8	20.6 (0.8)	21.0 (1.3)	25.6	56.3
Hispanic .....	3.6	7.5	10.4	5.7	7.5	9.8	22.0	52.2	21.1	11.2	18.6 (0.7)	21.6 (1.6)	37.3	56.1
Other .....	9.0	18.8	28.7	17.0	23.2	37.0	33.0	47.1	49.1	34.1	46.9 (1.5)	51.8 (3.0)	55.2	59.1
Household income .....														
Less than \$5,000 .....	2.9	8.4	9.7	1.1	4.1	6.8	25.6	45.2	22.6	4.7	17.4 (1.6)	17.3 (2.3)	40.8	57.1
\$5,000 to \$9,999 .....	3.2	5.4	8.0	0.9	4.5	5.3	21.3	45.6	15.8	7.6	9.9 (1.0)	9.1 (1.4)	41.0	55.4
\$10,000 to \$14,999 .....	5.0	7.2	11.4	4.6	6.4	8.7	29.8	50.0	18.4	9.4	12.8 (1.1)	18.1 (1.8)	34.9	64.2
\$15,000 to \$19,999 .....	7.5	11.3	15.1	6.9	10.9	14.1	28.9	43.0	20.7	9.4	16.4 (1.4)	20.6 (2.1)	35.1	74.8
\$20,000 to \$24,999 .....	9.9	12.9	16.8	7.4	13.1	17.9	27.7	49.6	30.5	14.5	26.1 (1.5)	31.7 (2.0)	44.1	61.3
\$25,000 to \$29,999 .....	12.8	17.0	21.1	12.3	19.3	22.0	26.1	47.0	34.6	20.9	32.2 (1.6)	37.9 (2.3)	42.8	53.4
\$30,000 to \$34,999 .....	15.8	17.7	24.1	18.7	20.5	29.1	26.4	44.4	38.7	22.7	36.4 (1.6)	42.3 (2.3)	45.8	65.4
\$35,000 to \$39,999 .....	19.4	21.4	27.1	13.0	26.3	28.1	32.7	52.7	44.1	28.1	44.5 (1.7)	45.9 (2.4)	47.0	67.4
\$40,000 to \$49,999 .....	20.4	25.7	32.2	21.6	32.9	33.9	32.5	45.9	50.6	37.3	51.0 (1.4)	56.2 (1.9)	51.1	54.1
\$50,000 to \$74,999 .....	24.2	31.6	43.0	25.5	45.3	46.4	40.1	58.2	61.7	44.3	64.2 (1.0)	67.3 (1.3)	56.3	73.2
\$75,000 or more .....	22.1	43.8	56.1	38.2	62.3	61.0	47.0	64.7	74.2	58.5	80.3 (0.9)	80.7 (1.1)	62.8	76.1
Control of school .....														
Public .....	11.2	17.9	25.3	12.1	23.0	27.2	31.9	50.0	43.2	24.0	41.2 (0.5)	46.9 (0.6)	49.7	66.1
Private .....	13.8	24.4	37.4	22.4	41.5	47.2	36.9	57.7	56.1	40.2	65.0 (1.4)	72.8 (2.0)	50.3	69.5
Percent of students using computers at home for school work														
<b>Total</b> .....	<b>4.6</b>	<b>8.9</b>	<b>14.9</b>	<b>0.6</b>	<b>10.8</b>	<b>20.9</b>	<b>23.1</b>	<b>36.6</b>	<b>28.6</b>	<b>1.5</b>	<b>23.9 (0.4)</b>	<b>39.0 (0.6)</b>	<b>40.8</b>	<b>49.3</b>
Sex .....														
Male .....	5.9	9.5	14.8	0.9	10.1	20.5	26.3	40.3	28.3	1.7	23.8 (0.5)	38.8 (0.8)	42.4	47.2
Female .....	3.3	8.3	15.0	0.4	11.5	21.4	20.5	33.2	28.9	1.4	24.0 (0.6)	39.1 (0.9)	39.6	50.9
Race .....														
White, non-Hispanic .....	5.4	10.7	18.2	0.8	13.8	26.5	25.7	37.8	35.0	1.7	30.2 (0.5)	49.0 (0.8)	45.9	51.3
Black, non-Hispanic .....	2.3	3.4	5.7	—	4.0	6.9	11.5	30.1	12.5	1.5	10.3 (0.6)	15.6 (1.2)	19.2	39.8
Hispanic .....	1.4	3.6	5.6	—	2.9	6.7	15.9	36.8	12.5	0.7	9.5 (0.5)	15.8 (1.4)	27.6	46.2
Other .....	3.8	9.1	16.0	1.1	9.3	27.0	23.7	29.2	33.6	1.9	28.2 (1.4)	44.9 (3.0)	45.2	45.8
Household income .....														
Less than \$5,000 .....	1.0	5.0	6.7	—	2.5	4.0	18.7	36.0	15.1	—	8.8 (1.2)	11.7 (2.0)	31.6	53.7
\$5,000 to \$9,999 .....	1.5	3.2	4.8	—	1.1	3.6	16.1	35.5	10.4	1.1	3.9 (0.7)	7.3 (1.3)	35.3	44.8
\$10,000 to \$14,999 .....	1.9	3.5	7.3	—	2.6	5.6	25.9	34.6	11.4	0.8	5.3 (0.7)	13.5 (1.6)	28.9	50.1
\$15,000 to \$19,999 .....	3.0	4.5	8.6	0.4	4.7	10.8	18.7	31.0	13.2	1.0	8.4 (1.0)	13.2 (1.7)	31.0	63.3
\$20,000 to \$24,999 .....	3.1	5.7	9.8	0.7	5.1	12.6	22.9	35.0	19.4	1.7	12.5 (1.2)	25.4 (1.9)	35.2	44.6
\$25,000 to \$29,999 .....	5.1	6.4	10.4	1.1	6.3	13.4	19.5	34.9	21.9	2.1	18.6 (1.4)	27.5 (2.2)	34.4	40.8
\$30,000 to \$34,999 .....	4.9	8.0	13.0	0.8	8.1	21.9	18.0	35.1	24.4	0.8	19.0 (1.3)	33.2 (2.2)	38.7	48.9
\$35,000 to \$39,999 .....	7.1	10.5	15.4	0.8	12.4	21.0	22.6	37.2	26.5	0.4	22.3 (1.4)	35.5 (2.3)	38.7	55.7
\$40,000 to \$49,999 .....	9.2	11.9	17.1	1.1	14.0	24.2	22.2	32.1	30.1	2.9	26.7 (1.2)	45.5 (1.9)	38.9	36.8
\$50,000 to \$74,999 .....	11.5	15.2	23.2	1.0	19.7	35.0	27.0	38.2	39.3	1.2	36.1 (1.0)	54.9 (1.4)	46.9	53.1
\$75,000 or more .....	9.8	22.0	30.4	0.8	29.4	45.2	30.6	41.5	48.3	2.8	48.5 (1.2)	66.4 (1.4)	51.5	50.4
Control of school .....														
Public .....	4.5	8.5	14.2	0.5	10.1	19.8	22.7	34.7	27.9	1.5	22.5 (0.4)	37.1 (0.6)	40.6	48.7
Private .....	5.4	11.4	18.8	1.0	17.8	35.4	24.8	40.1	32.6	1.6	37.7 (1.4)	62.0 (2.3)	42.0	50.6

—Not available.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1984, 1989, 1993, and 1997, unpublished data. (This table was prepared September 1998.)

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