

**Table 434.—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	76.6	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	14.7	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

—Data 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.