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## ABSTRACT

Data from the Bureau of the Census' March 1988 and 1989 Current Population Surveys (CPS) on the educational attainment of Americans are provided in 22 tables and 5 graphs. Summary data on the years of school completed by age, sex, race, and Hispanic origin are shown for 1988 and 1989 in Table 1. Other detailed data are shown for 1989 in Tables 2 through 16. Tables 17 and 18 contain time series of data for selected years collected from 1940 to 1989 in the decennial censuses and CPS (1947-89). Detailed tabulations of the data are accompanied by a short discussion of basic trends and attainment levels across many segments of the population. The detailed tables present data on years of school completed by persons aged 15 years and over by age, sex, Hispanic origin, marital status, household relationship, education of spouse, labor force status, occupation, income, earnings, and region of residence. Summary data are also presented for states and large metropolitan areas, with detailed data for the largest 25 states and 15 metropolitan areas. Over 75% of all adults age 25 years and over have completed high school, and over 20% have completed 4 or more years of college. Educational attainment levels for young adults are similar to those recorded in the mid-1970s. Among persons 25 years and older, slightly larger proportions of men than women have completed high school, and larger proportions of men than women have completed 4 or more years of college. While Whites 25 years and older have the highest level of high school completion, persons of races other than Black or White have the highest college completion level. Both high school and college completion levels are higher in the West than in any other region. Two appendices are included, which provide definitions and explanations, and source and accuracy of estimates, respectively. The second appendix contains seven tables. (SLD)

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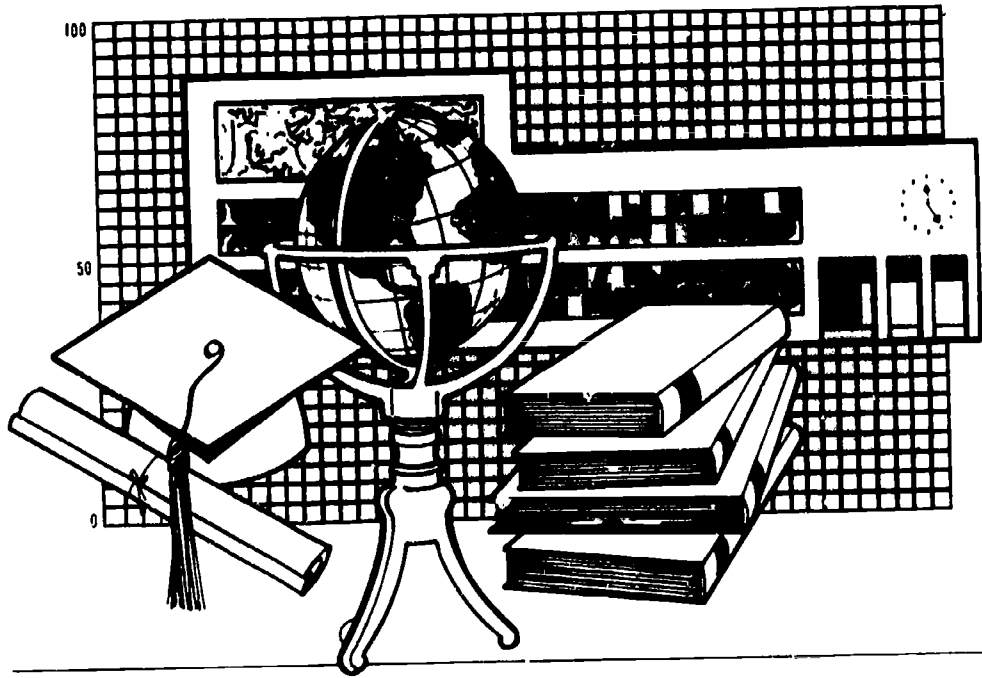
CURRENT POPULATION REPORTS  
**Population Characteristics**

Series P-20, No. 451



by  
Robert Kominski

# Educational Attainment in the United States: March 1989 and 1988



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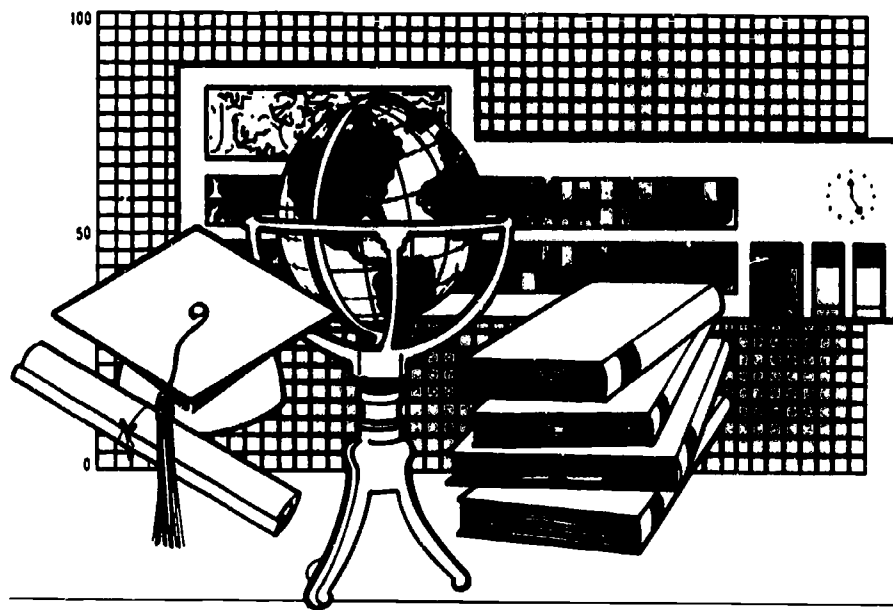
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# Educational Attainment in the United States: March 1989 and 1988

(The estimates in this report do not reflect the results of the 1990 Census. The Current Population Survey (CPS) estimates are based on population controls from the 1980 census which have been updated for changes in the population since that time. In addition, the CPS and the 1990 census used different procedures for collecting and processing the data.)

## INTRODUCTION

This report contains data on the educational attainment of persons in the United States from the Current Population Surveys (CPS) conducted by the Bureau of the Census in March 1988 and 1989. Summary data on years of school completed by age, sex, race and Hispanic origin are shown for 1988 and 1989 in table 1. Other detailed data are shown for 1989 in tables 2 through 16. These data allow for the continuation of the biennial series of detailed tables as presented in previous reports. Tables 17 and 18 contain time series of data collected from 1940 to 1989 in the decennial censuses and CPS (1947-1989). This report is designed to provide published detailed tabulations of the data along with a short discussion of basic trends and attainment levels across many segments of the population.

The detailed tables present data on years of school completed by persons 15 years old and over, by age, sex, race, Hispanic origin, marital status, household relationship, education of spouse, labor force status, occupation, income, earnings, and region of residence. Summary data are also presented for all states and large metropolitan areas, as well as detailed data for the 25 largest states and 15 largest metropolitan areas.

## HIGHLIGHTS

(Figures shown in parentheses define 90 percent confidence intervals. For details of calculation, see "Appendix B, Source and Accuracy of the Estimates.")

- Over three-fourths ( $76.9 \pm .3$ ) of all adults age 25 and over have completed high school; over one-fifth ( $21.1 \pm .3$ ) have completed four or more years of college. Both levels represent all-time national highs.
- Educational attainment levels for young adults (ages 25 to 29) are not different from those recorded in the mid-1970's. High school:  $85.5 (\pm .6)$  vs.  $85.4 (\pm .6)$  in 1977. College:  $23.4 (\pm .8)$  vs.  $23.7 (\pm .7)$  in 1976.
- Among persons 25 and over, slightly larger proportions of men ( $77.2 \pm .4$ ) than women ( $76.6 \pm .4$ ) have completed high school. Similarly, larger proportions of men ( $24.5 \pm .4$ ) than women ( $18.1 \pm .4$ ) have completed 4 or more years of college.

- While Whites 25 and over have the highest level of high school completion, persons of races other than White or Black have the highest college completion level. High school: White  $78.4 (\pm .3)$ , Black  $64.6 (\pm 1.2)$ , other races  $76.1 (\pm 1.9)$ . College: White  $21.6 (\pm .3)$ , Black  $11.8 (\pm .8)$ , other races  $34.2 (\pm 2.1)$
- Both high school ( $80.8 \pm .7$ ) and college completion ( $24.8 \pm .8$ ) levels are higher in the West than any other region.

## TRENDS IN EDUCATIONAL ATTAINMENT

The educational level of the adult population continued to rise in 1989, following a general trend that has been noted in the Current Population Survey data since first produced in 1947. Over three-quarters (76.9 percent) of all adults age 25 or older reported completing at least 4 years of high school, the highest level measured in the history of the survey. The level of high school completion in 1989 reached a peak not only for the entire population, but also for each sex, and White persons. The proportions for Black and Hispanic persons were not statistically different from the 1988 or 1987 levels but were higher than the proportions in previous years.

Another basic measure of educational attainment is the proportion of persons who have completed four or more years of college. As with high school completion, this figure is also at a record-high level. Over one-in-five adults (21.1 percent) age 25 or above have completed four or more years of college. The proportion of the population having attained this level of education has doubled in the past twenty years.

Figure 1 (based on table 18) shows the proportion of persons having completed high school and four or more years of college for both the age 25 and over population and for persons ages 25 to 29. This latter group is often used to get a better idea of recent attainment levels. In general, the long-term rise in educational attainment for the general adult population is driven principally by the replacement of older less-educated persons by younger persons who have completed substantially more education.

This graph documents the general trend of rising educational attainment levels for the population and indicates that the increase in attainment among younger



persons which has slowed considerably may be levelling off. For example, the proportion of 25 to 29 year olds who had completed high school was no different in 1989 than it was in 1977. While there has been some variation over this period, yearly point estimates have been in the range of 85-86 percent. Similarly, the estimated proportion of young persons completing 4 or more years of college has been in the low 20's since the mid-1970's. Given the very large differences in education between young and old age groups (table A), however, the attainment level of the total adult population will continue to rise for some time, as young age groups replace older age groups, even if attainment levels for young persons remain constant.

## EDUCATIONAL ATTAINMENT IN 1989

Traditionally, differences in educational attainment have been noted across many different dimensions; in 1989 this continued to be true. Tables A and B show three basic measures of educational attainment: completion of high school or more; completion of 1 or more years of college; and completion of 4 or more years of college. These measures are presented for the population ages 25 and older, cross-classified by a series of sociodemographic factors, in order to illustrate some of these differences. Data shown in these tables summarize the more detailed tabulations in this report.

Gender: Educational attainment levels are higher for men than for women for each of the three measures shown in table A. In terms of high school completion,

**Table A. Summary Measures of the Educational Attainment of the Population, Ages 25 and Over: March 1989**

(Numbers in thousands)

Age, sex, race, region, residence, and Hispanic origin	Number of persons	Percentage with—		
		4 years of high school	1 or more years of college	4 or more years of college
All persons .....	154,155	76.9	38.4	21.1
Sex:				
Male .....	73,225	77.2	41.8	24.5
Female .....	80,930	76.6	35.3	18.1
Race:				
White .....	132,903	78.4	39.3	21.8
Black .....	16,395	64.6	28.1	11.8
Other .....	4,857	75.1	48.6	34.2
Hispanic origin: <sup>1</sup>				
Hispanic .....	10,438	50.9	23.0	9.9
Non-Hispanic .....	143,717	78.8	39.5	21.9
Age group:				
25 to 34 years old .....	43,240	96.6	45.2	24.2
35 to 44 years old .....	35,873	86.6	49.4	27.9
45 to 54 years old .....	24,621	78.1	37.9	22.0
55 to 64 years old .....	21,399	69.1	29.5	16.2
65 to 74 years old .....	17,747	60.4	23.3	11.7
75 years or older .....	11,276	46.2	19.2	10.1
Marital status:				
Never married .....	20,318	81.0	47.4	28.8
Married spouse present .....	100,622	79.8	39.8	22.2
Married spouse absent .....	5,279	64.8	27.9	13.6
Single .....	4,068	66.0	26.1	12.0
Widowed .....	13,746	51.8	18.6	8.4
Divorced .....	14,190	79.3	38.6	17.4
Region:				
Northeast .....	33,064	77.9	37.9	23.1
Midwest .....	37,217	78.8	35.6	18.9
South .....	52,559	72.5	35.7	19.3
West .....	31,315	80.8	46.7	24.8
Metropolitan residence:				
Metropolitan area .....	119,716	78.8	41.6	23.4
Nonmetropolitan area .....	34,439	70.2	27.4	13.2
Farm .....	3,034	72.1	25.1	11.3

<sup>1</sup>Persons of Hispanic origin may be of any race.

the statistically significant difference between men (77.2 percent) and women (76.6 percent) is relatively small. Differences are much more pronounced at the college level, where 24.5 percent of men, but only 18.1 percent of women, have completed four or more years of college. While 35.3 percent of women have completed one or more years of college, the proportion for men is 41.8.

**Race:** Comparison of educational attainment among Whites, Blacks and persons of other races shows sizable differences. Among Whites, 78.4 percent have completed high school, slightly higher than the 76.1 percent recorded for persons of other races (which includes Asians and Pacific Islanders, and American Indians, Eskimos and Aleuts). The proportion for each of these groups is higher than the Black proportion of 64.6 percent.

Differences are also evident at the college completion level, with the highest levels reported by persons of other races: 34.2 percent have completed four or more years of college, compared to 21.8 percent of Whites, and 11.8 percent of Blacks. A similar ordering exists among these groups in terms of completing one or more years of college.

**Hispanic origin:** At all three levels of attainment shown, persons of Hispanic origin (who may be of any race) have the lowest proportions of completed education, in comparison to all Whites, Blacks, and persons of other races. About one-half of Hispanic adults have completed high school, 23 percent have completed 1 or more years of college, and about one in ten have completed four or more years of college.

**Age:** One dimension which shows great variability in measures of educational attainment is age. While fewer than half (46.2 percent) of those age 75 and above have completed high school, 86.6 percent of persons ages 25 to 44 have attained this level. In terms of postsecondary schooling, 10.1 percent of the age 75 and older population, as opposed to 27.9 percent of persons ages 35 to 44, have completed college. In general, for each education measure, attainment levels are lowest for the oldest age group, and rise across successively younger groups. Only the youngest age group shown in table A (ages 25 to 34) deviates from this pattern, primarily because some of these individuals have not completed their schooling, particularly at the postsecondary level.

**Marital Status:** Differences in educational attainment across marital statuses reflect to a large extent differences in the age composition of marital status groups. For example, the high level of high school completion among never married persons (81 percent) is reflective of the fact that this group is relatively young. Conversely, the low level among widowed persons (51.8 percent) is in part because this group consists primarily of older persons. A similar pattern is seen in college completion.

**Region:** Among the four Census regions (Northeast, Midwest, South and West) the proportion of persons who completed high school ranges from 72.5 in the South to 80.8 in the West. In terms of college attainment the West is highest in both the completion of 1 or more years (46.7 percent) and four or more years (24.8 percent). The data also show that attainment levels are higher for each of the three measures in metropolitan areas than in nonmetropolitan areas.

**Labor force:** The first panel of table B presents educational attainment measures for the civilian labor force, ages 25 and older. Among employed persons, educational attainment is quite high, with 86.1 percent of those employed reporting high school completion, and 26.8 percent having completed four or more years of college. For all three summary measures, attainment is higher for the employed than for the unemployed population, who in turn have higher attainment than those persons who are not in the labor force.

**Occupation:** Table B also shows the educational attainment of employed persons ages 25 to 64, by major occupational groups. There is great variation in educational attainment when examined even across this small set of summary occupational categories. While 99 percent of the workers in professional specialty occupations have completed high school, about 51 percent of private household workers have achieved this level of education.

With respect to higher education, 76.5 percent of persons in professional specialty occupations have completed four or more years of college, the highest level across the major occupation groups. For many occupations, however, fewer than ten percent of the workers have completed college; this includes categories such as precision production workers and machine operators.

**Income:** Table C shows estimates of mean personal income in 1988 for all persons reporting income for that year, detailed by several general levels of educational attainment, sex, race and Hispanic origin. As can be seen, the relationship of education and income is strongly positive; income levels are higher at each progressively higher level of education. This relationship holds true not only for the total population, but for each of the subgroups examined as well.

Variation in income within each specific education level is also apparent, and may result from a variety of factors, including such things as occupational composition, age structure, labor force experience, and other forces. The relationship between education and income is a well-studied phenomenon; the data shown in table C are intended only to summarize the current level of that relationship, and do not address the more detailed issue of variations in income due to other social and demographic forces.

Table B. Educational Attainment by Labor Force Status and Occupation: March 1989

(Numbers in thousands)

Occupations	Number of persons	Percentage with—		
		4 years of high school or more	1 or more years of college	4 or more years of college
<b>Civilian labor force</b>				
Employed.....	96,426	86.1	46.8	26.8
Not employed.....	4,382	71.8	28.4	13.1
Not in the labor force.....	52,608	60.2	23.5	11.2
<b>Occupation of employer persons 25 to 64</b>				
Executive, admin., and managerial.....	13,380	96.0	69.4	45.8
Professional specialty occupations.....	14,080	99.0	91.1	76.5
Technicians and related support occ.....	3,129	97.5	69.5	34.1
Sales occupations.....	9,934	91.9	52.2	28.8
Administrative support occupations including clerical.....	14,325	95.0	41.4	13.8
Private household occupations.....	590	50.7	13.9	5.0
Other service occupations.....	10,028	75.5	26.2	8.1
Farming, forestry, and fishing.....	2,156	65.4	22.5	9.0
Precision prod., craft, and repair.....	11,526	79.4	26.0	6.5
Machine operators, assemblers, and inspectors.....	6,909	67.6	15.8	3.9
Transportation and material moving.....	3,986	72.2	18.5	4.9
Handlers, equip. cleaners, helpers, and laborers.....	2,974	68.9	17.4	4.4

Table C. Mean 1988 Income by Education Attainment, Sex, Race and Hispanic Origin

Persons ages 18 and above	Total	Less than 4 years high school	High school 4 years	College		
				1 to 3 years	4 years	5 years
Total.....	\$18,596	\$10,326	\$15,886	\$19,107	\$28,406	\$38,604
Male.....	\$24,852	\$13,655	\$21,583	\$24,552	\$37,002	\$47,797
Female.....	\$12,639	\$7,004	\$11,143	\$14,041	\$19,215	\$25,404
White.....	\$19,246	\$10,800	\$16,294	\$19,522	\$28,972	\$39,139
Black.....	\$13,395	\$8,150	\$12,938	\$16,150	\$23,776	\$30,429
Hispanic Origin <sup>1</sup> .....	\$13,811	\$9,852	\$13,800	\$17,930	\$23,456	\$34,567

<sup>1</sup>Persons of Hispanic origin may be of any race.

**State and Metropolitan Area Estimates.** Since 1977 this report has included summary educational attainment data for a group of the largest states and metropolitan areas in the country. Starting with this issue, the amount of data shown for states and metropolitan areas is being expanded. The report will now show several summary measures of educational attainment (proportion completing high school; proportion completing 4 or more years of college) for all 50 states and the District of Columbia (table 13), as well as more detailed data for the 25 largest states (table 14). Similarly, there will be summary data for a group of the largest metropolitan areas (table 15), and more detailed data for the 15 largest such areas (table 16).

These data should be useful for a variety of purposes. Users are strongly cautioned that these estimates are based on the CPS sample (as are all data shown in this report). As such, the estimated values (or "point estimates") are subject to sampling variability, which must be taken into account when making comparisons for different states or areas. For this reason,

tables 13 through 16 include the values necessary for constructing 90 percent confidence intervals around each of the estimates. The column denoted as "1.6\*(s.e.)" is the standard error of the estimate, multiplied by 1.6. This value, when added to and subtracted from the point estimate, yields the 90 percent confidence interval for that estimate. The confidence interval is a statistical probability estimate of what the "true" level is, that is, the value which would have been observed had a population census been taken to obtain the figure. Users are strongly advised to review appendix B, Source and Accuracy of the Estimates, if they are unsure as to the appropriate use of standard errors or their calculation.

In practical terms, two seemingly different estimates may not be statistically different because of the sampling variability associated with the estimates. Figures 2 through 5 (corresponding to tables 13 through 16) show point estimates and their corresponding 90 percent confidence intervals in order to illustrate this point. For example, figure 2 shows the proportion of persons ages

25 and above who have completed high school for each of the 50 states and the District of Columbia. The states in this chart have been ordered in terms of the point estimates, that is, the states of Utah and Washington have the highest estimated levels of persons completing high school at 88.2 percent. The associated 90-percent confidence interval for Utah is derived by adding and subtracting 1.9 to this figure. So, with 90 percent confidence, the actual level is expected to be between 86.3 (88.2-1.9) and 90.1 (88.2+1.9) percent. This confidence interval is shown as the band surrounding the point estimate. Note that several states, Washington, Alaska, Wyoming and Minnesota, all have confidence intervals which overlap that of Utah. When the confidence intervals of two estimates overlap, there is a good chance that the two estimates in question may not be statistically different. The exact test to determine statistical difference is detailed in appendix B in the subsection, "Standard Error of a Difference."<sup>1</sup> In the case of these four states, the exact tests show that Washington, Alaska and Wyoming are not different from Utah (as the confidence intervals suggest), but that Minnesota, by a slight margin, is significantly different. Thus, while the point estimates for these states are seemingly smaller than that for Utah, only Minnesota is small enough to statistically justify the claim that it is different from Utah.

The remainder of the states in the graph have confidence intervals which do not overlap that of Utah's. In these cases it is possible to say that Utah has a higher level of high school graduates than those states. In short, one can say that the level of high school completion in Utah is higher than in many other states (that is, at least 46 of them), but it cannot be said from these data that Utah has the highest proportion among all states.

In looking at the bottom of the distribution, one must show similar caution in making comparative statements. The value of 63.2 percent for Alabama is the lowest point estimate of high school completion for any state. However, the 90 percent confidence interval for this estimate overlaps the confidence intervals of Kentucky, Tennessee, Arkansas, Mississippi and West Virginia. Thus, based on the graphical evidence, Alabama may not be statistically different from these states. (In fact, the exact statistical tests show that it is not different from Kentucky or Tennessee, but is different from the other three.) It is true, however, that the estimate for Alabama is lower than those for any of the other remaining 44 states (and D.C.) shown in the table, since the Alabama confidence interval does not overlap with any of these areas.

<sup>1</sup>It will sometimes be the case that confidence intervals which overlap or only slightly represent estimates which are statistically different, but generally this will not be true. However, when confidence intervals do not overlap it can always be said that the two estimates are statistically different.

Figures 4 and 5 show the high school and college completion levels for 37 different metropolitan areas comprising 50 percent of the total U.S. population ages 25 and above. (Table 15 shows additional detail not included in figure 4 for some subparts of larger metropolitan areas.) Since many of these metropolitan areas are smaller in population than many states, sampling variability tends to be more substantial, as the confidence intervals in the figures attest. These larger confidence intervals make it more difficult to detect statistically significant differences between areas. In the list shown, the Seattle-Tacoma, Washington Consolidated Metropolitan Statistical Area (CMSA) has the highest point estimate in terms of high school completion, at 90.3 percent. Considering the limits of the confidence intervals, however, there are potentially seven other metropolitan areas which may not be statistically different from Seattle-Tacoma. Nevertheless, the non-overlapping confidence intervals show that the other 29 areas do have high school completion levels which are significantly lower than that of Seattle-Tacoma's. Thus, it is clear that the proportion of adults who are high school graduates is much higher in Seattle Tacoma than in many other metropolitan areas throughout the United States. Similarly, while it cannot be said that the San Antonio metropolitan area has the lowest high school completion level among all places listed in table 15, figure 4 makes it clear that the level is statistically different (smaller) from many of the other areas on the list.

Figure 5 shows a case where one area is significantly different from all others in the list. The Washington D.C. metropolitan area (including parts of Maryland and Virginia) has a significantly higher proportion of adults reporting they have completed four or more years of college than any other metropolitan area shown. With a point estimate of 41.2 percent, Washington D.C. is significantly different from all of the other 36 areas in the figure. (Figure 3, based on states and the city of Washington D.C. alone, shows the same singular position for the nation's capital.) The remaining estimates, however, show patterns similar to those seen in the three prior figures; that is, a fair amount of overlap in confidence intervals, thus limiting the ability to make strong statements about the order of places.

In short, the data in tables 13 through 16 and the corresponding figures may help one to make relative statements about the educational attainment levels of states and areas. A given state or area may well be "among the highest" (or lowest) in terms of the level of high school or college completion. Nevertheless, one must remember that all survey estimates have sampling variability associated with them, and exact comparisons and statements must involve the requisite statistical tests.

## DETAILED TABULATIONS REDESIGN

A new set of detailed tabulations is being introduced with this issue of this report. These new tabulations are the first major change in the tables since the 1976-1977 report, and will provide greater detail and scope, while maintaining consistency with the prior tabulation series. Table D provides a guide for users who wish to compile time-series data from both sets of tabulations.

**Table D. Relation of detailed tabulations in old and new reports**

Table Number		Changes
Old Reports (March 76/77 - March 86/87)	New Report (Beginning March 88/89)	
1	1	
2	2	
3	3	Additional detail
4	4	Additional detail
5	5	
6	7	Additional detail
7	12	Additional detail
8	14	Additional detail
9	16	Additional detail
10	10	
11	17	
12	18	
-	6	New table - labor force status
-	8	New table - income
-	9	New table - earnings
-	11	New table - metro by region
-	13	New table - state summary measures
-	15	New table - metro summary measures

## DATA FILES AVAILABLE

The time series tabulations of attainment shown in tables 17 and 18 of this report are now also available on one low density floppy diskette. The tables are available as either two ASCII print files, or two LOTUS 1-2-3 © files (version 2.1). Users wishing to purchase files should specify which data format they prefer (ASCII or LOTUS), include a check for \$10 (make checks payable to "Commerce-Census") and send to:

Education and Social Stratification Branch  
Population Division  
U.S. Bureau of the Census  
Washington, D.C. 20233  
(301)-763-1154

## USER COMMENTS

We are interested in your reaction to the usefulness of the information presented here and to the content of the questions used to produce these results. We welcome your recommendations for improving our survey work. If you have suggestions or comments, please send them to:

Current Survey Comments  
Population Division  
U.S. Bureau of the Census  
Washington, D.C. 20233

Figure 1.  
Percent of Persons 25 Years Old and Over Who Have  
Completed High School or College: Selected Years 1940 to 1989

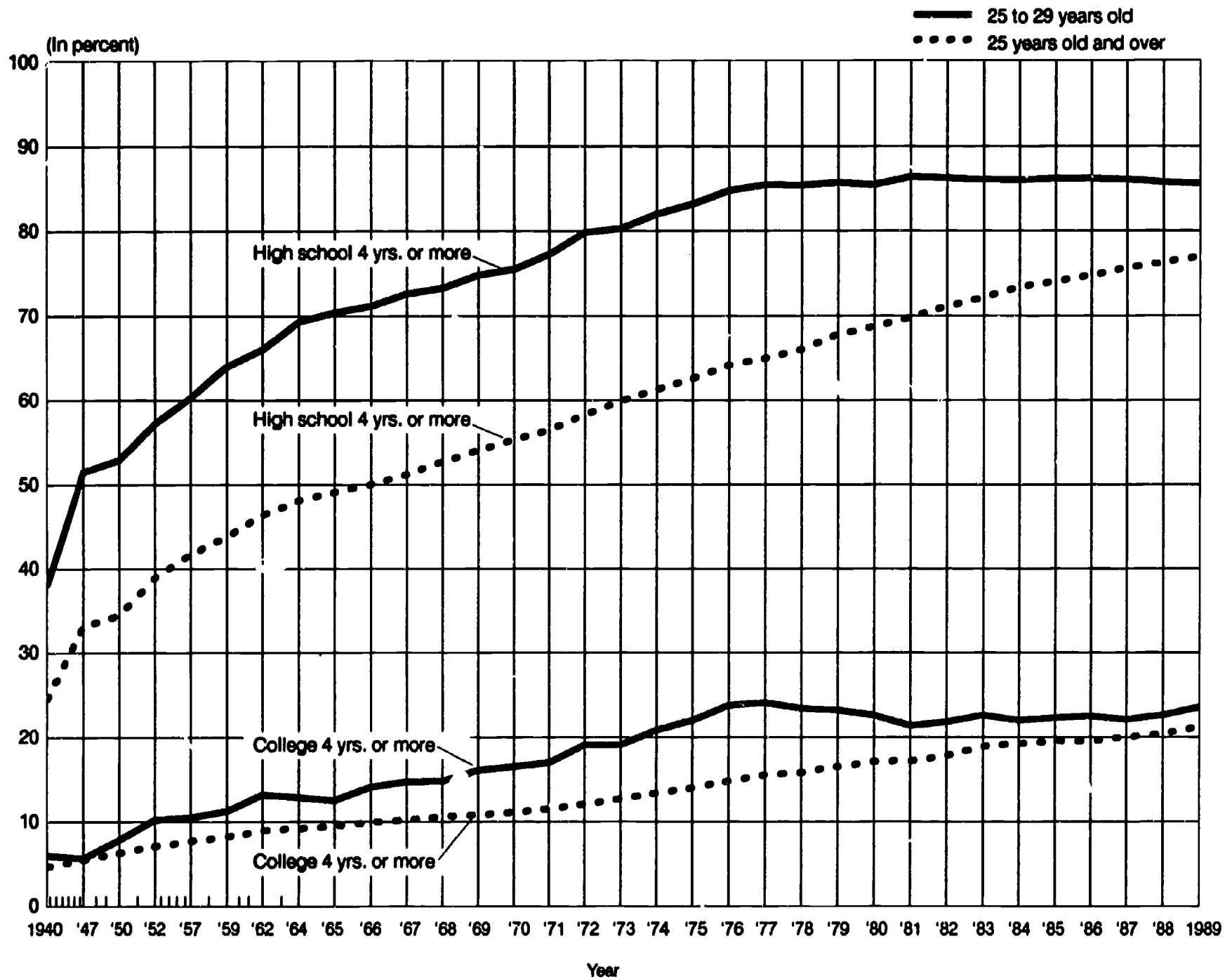


Figure 2.  
**Percent High School Graduates, by State, March 1989**  
 Persons age 25 and over

○ Midpoint

■ Confidence interval

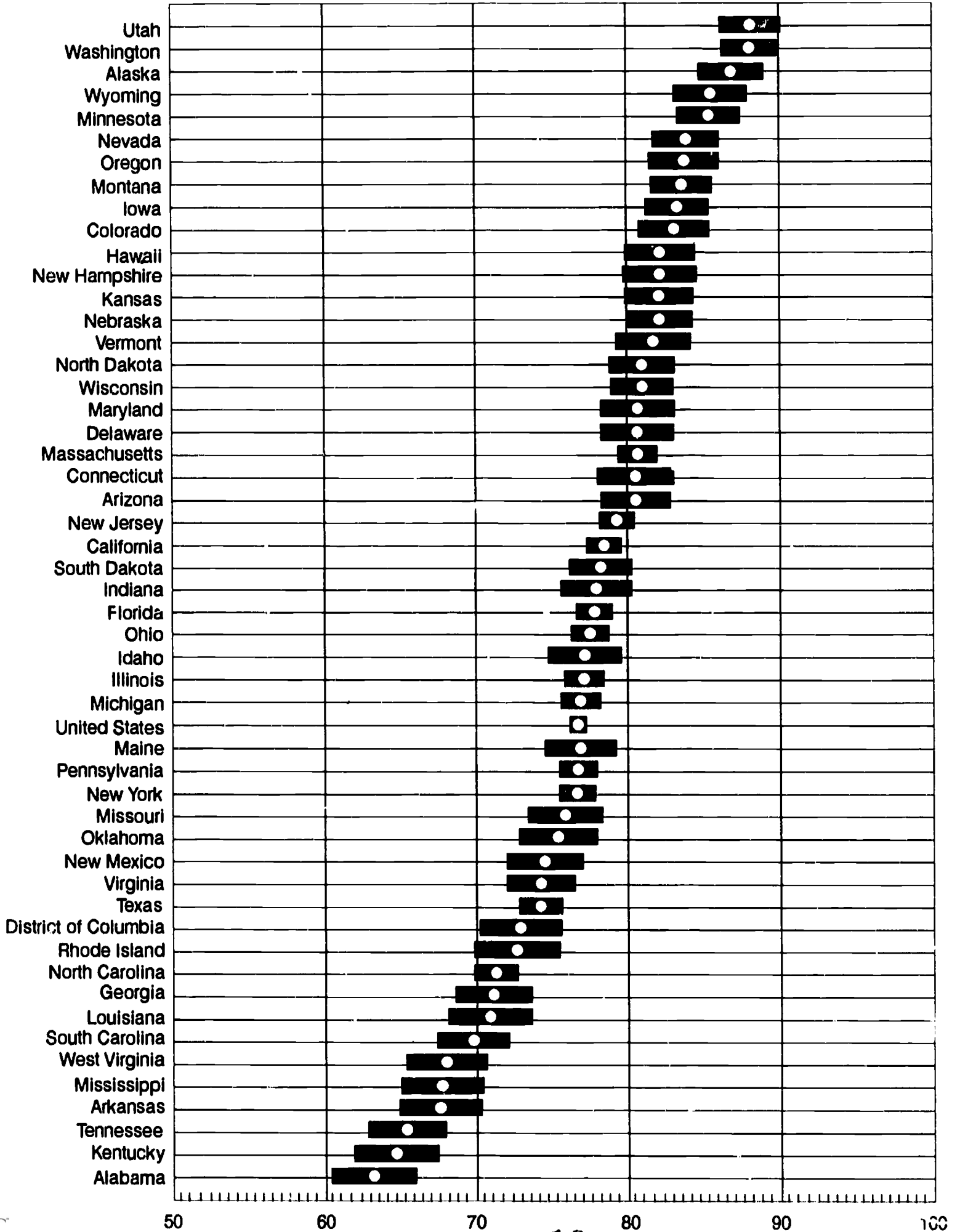
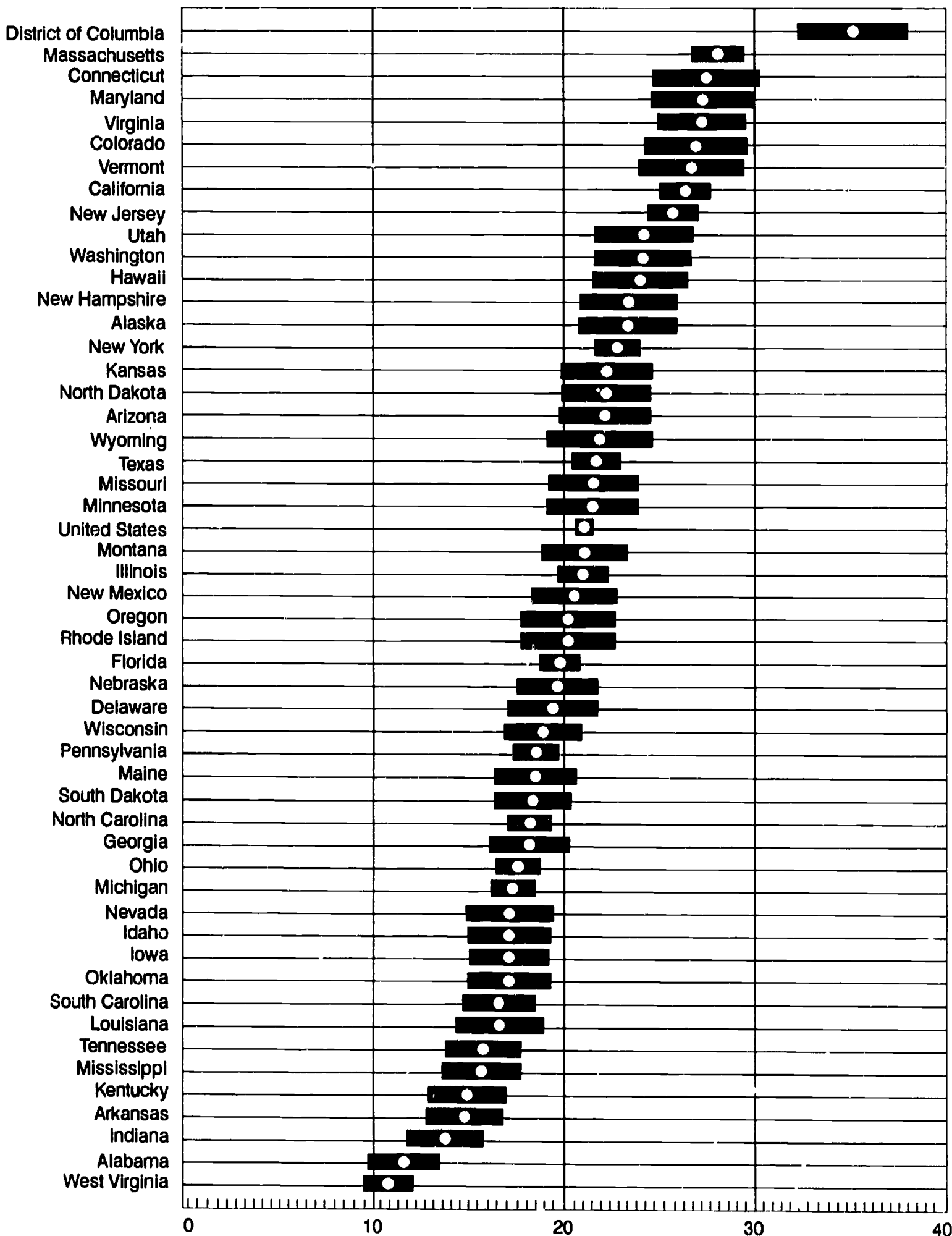


Figure 3.  
**Percent Completing Four or More Years of College,**  
**by State, March 1989**  
 Persons age 25 and over

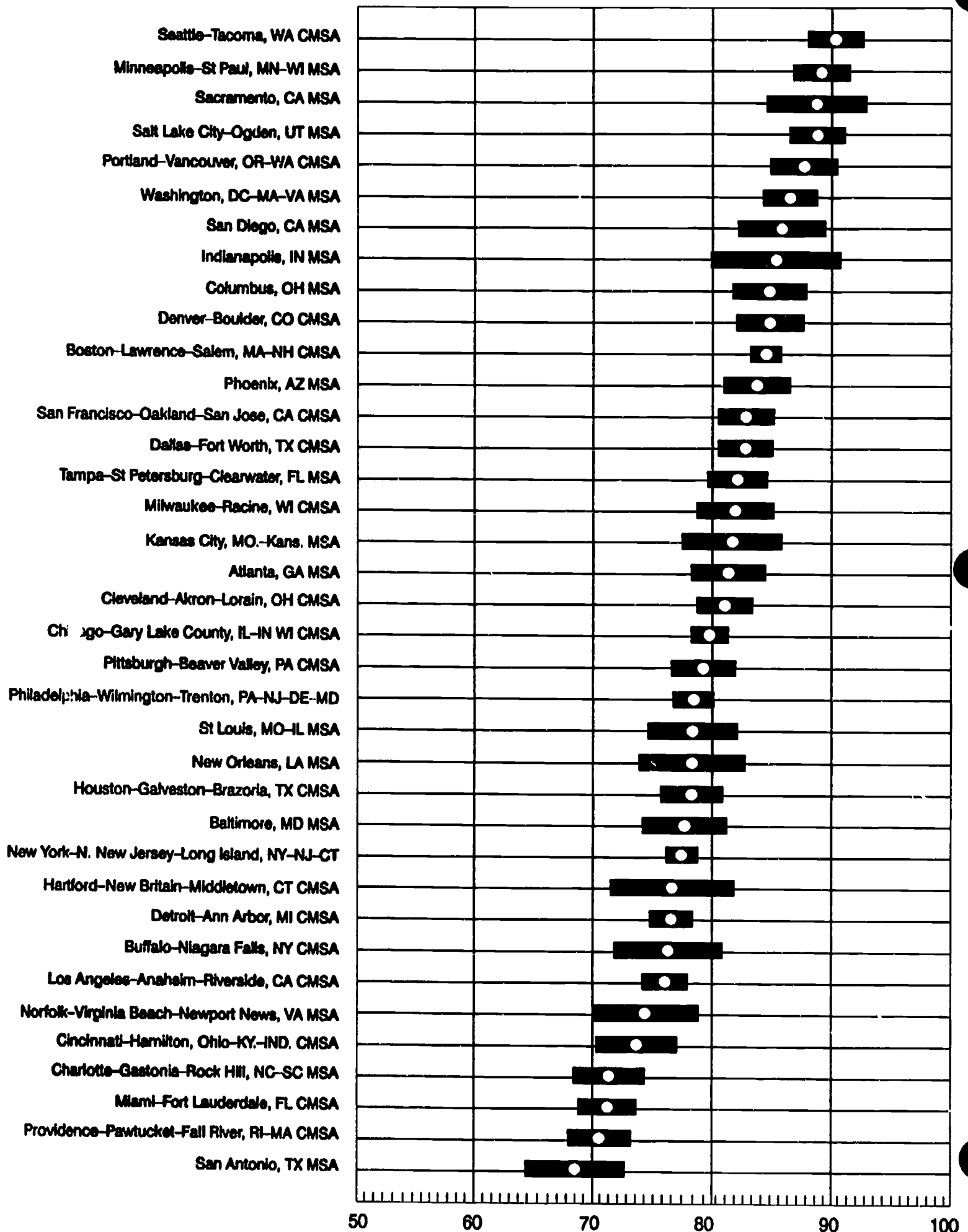
○ Midpoint  
 ■ Confidence interval



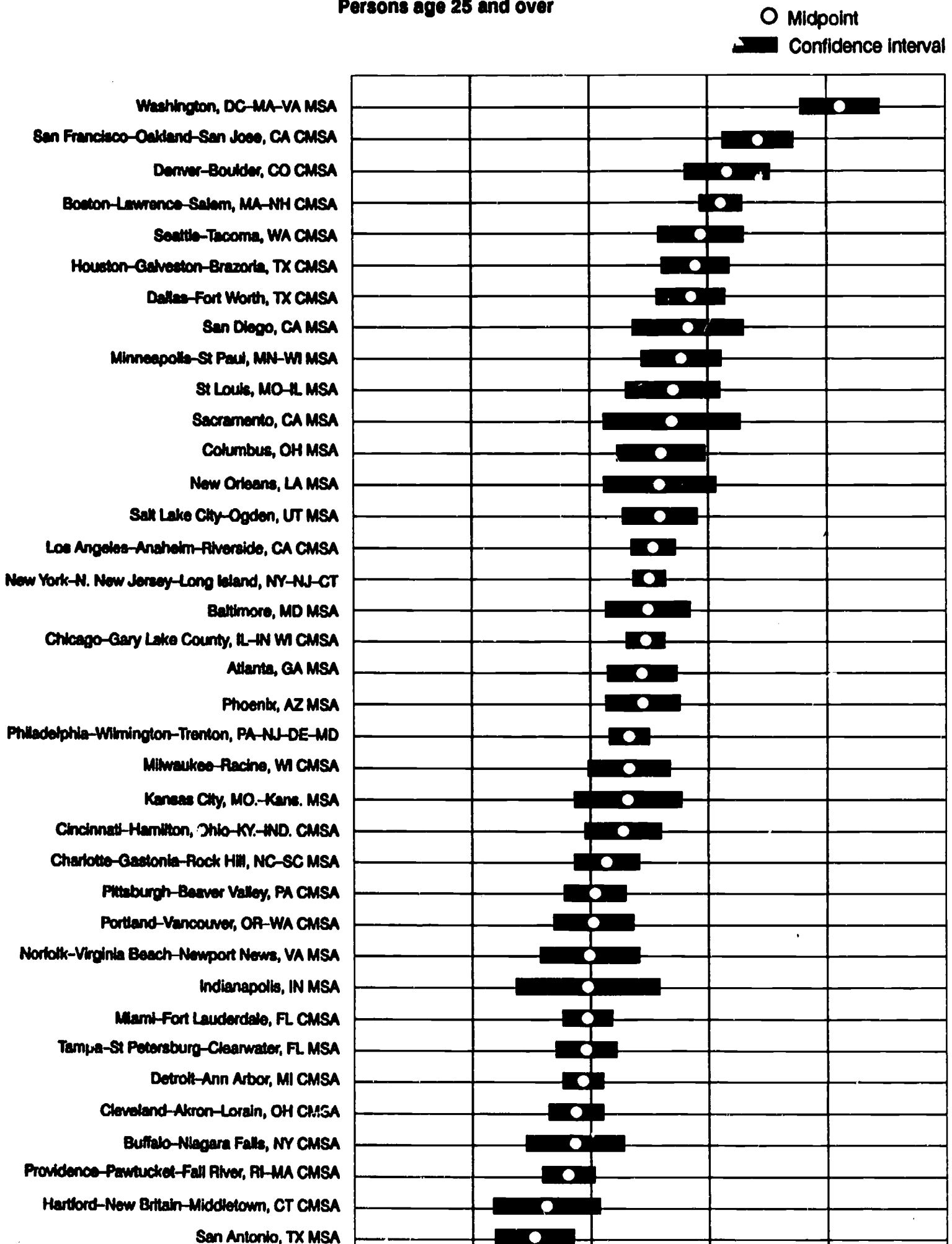


**Figure 4.**  
**Percent High School Graduates,**  
**by Selected Metropolitan Areas, March 1989**  
**Persons age 25 and over**

○ Midpoint  
 ■ Confidence interval



**Figure 5.**  
**Percent Completing Four or More Years of College,**  
**by Selected Met/opolitan Areas, March 1989**  
**Persons age 25 and over**



**Table 1. Years of School Completed by Persons 15 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989 and 1988**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent high school graduates
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		
<b>1989-NUMBER</b>																
<b>ALL RACES</b>																
<b>Both Sexes</b>																
Total, 15 years and over.....	100 052	1 173	2 897	7 287	9 892	9 239	11 151	9 798	70 483	12 067	15 575	6 034	20 523	13 934	12.8	72.9
15 to 17 years.....	10 268	26	10	580	1 719	3 270	2 950	1 573	123	15	3	-	-	-	9.9	1.4
18 and 19 years.....	7 354	17	10	101	117	295	528	1 850	3 479	879	75	6	-	-	12.2	60.4
20 to 24 years.....	18 274	54	93	291	340	514	739	750	7 525	2 218	2 467	1 419	1 637	255	12.6	84.9
25 to 29 years.....	21 478	89	123	327	333	584	817	681	6 951	1 445	2 148	798	3 575	1 446	12.9	85.5
30 to 34 years.....	21 762	87	137	385	307	498	668	607	6 950	1 532	2 398	751	3 479	1 954	12.9	87.8
35 to 39 years.....	19 369	78	198	364	317	371	578	512	7 171	1 521	2 078	758	3 033	2 398	13.1	87.5
40 to 44 years.....	18 504	95	134	388	371	355	537	487	6 194	1 101	1 628	628	2 342	2 234	12.9	85.6
45 to 49 years.....	13 356	78	175	407	456	422	598	422	5 399	743	1 096	388	1 654	1 523	12.8	80.9
50 to 54 years.....	11 285	78	170	500	518	431	603	474	4 570	629	785	278	1 148	1 082	12.8	75.4
55 to 59 years.....	10 834	85	238	524	638	411	625	482	4 312	477	696	227	947	993	12.5	72.0
60 to 64 years.....	10 765	104	318	652	779	551	723	509	4 155	470	713	283	848	684	12.4	68.2
65 to 69 years.....	10 018	71	374	752	984	474	591	483	3 637	448	578	188	703	559	12.3	63.0
70 to 74 years.....	7 729	74	279	672	912	434	535	417	2 747	292	385	181	478	343	12.2	57.0
75 years and over.....	11 278	230	642	1 374	2 128	652	661	376	3 051	318	527	174	678	484	10.9	46.2
18 years and over.....	179 783	1 147	2 887	6 707	8 173	5 970	8 201	8 223	70 340	12 072	15 571	6 034	20 523	13 934	12.7	77.0
25 years and over.....	154 155	1 076	2 785	6 345	7 716	5 180	6 936	5 823	59 336	8 978	13 029	4 609	16 886	13 679	12.7	76.9
65 years and over.....	29 022	374	1 295	2 798	4 004	1 560	1 788	1 278	9 635	1 058	1 488	522	1 857	1 366	12.1	54.9
<b>Male</b>																
Total, 15 years and over.....	91 033	588	1 503	3 682	4 778	4 356	5 202	4 814	31 261	5 521	7 543	3 054	10 536	8 197	12.7	72.8
15 to 17 years.....	5 234	17	8	378	987	1 606	1 454	724	54	8	-	-	-	-	9.8	1.2
18 and 19 years.....	3 635	14	7	60	63	184	304	984	1 630	381	25	2	-	-	12.1	58.1
20 to 24 years.....	8 939	31	58	132	181	269	366	426	3 680	1 113	1 185	687	679	140	12.8	83.6
25 to 29 years.....	10 850	59	59	173	183	275	451	478	4 314	667	1 023	449	1 784	777	12.9	84.4
30 to 34 years.....	10 811	57	78	215	147	250	345	330	4 345	712	1 152	388	1 720	1 073	12.9	86.9
35 to 39 years.....	9 595	36	99	208	178	197	258	249	3 202	695	1 073	406	1 598	1 397	13.5	87.3
40 to 44 years.....	8 086	45	63	205	192	135	221	247	2 694	480	622	348	1 280	1 374	13.5	86.3
45 to 49 years.....	6 462	47	81	210	230	203	259	177	2 375	388	557	178	687	884	12.9	81.3
50 to 54 years.....	5 454	34	98	281	278	193	271	220	1 964	287	387	142	633	705	12.7	75.1
55 to 59 years.....	5 056	42	135	243	332	187	251	192	1 668	211	324	108	536	648	12.6	73.1
60 to 64 years.....	5 033	49	182	338	410	274	303	207	1 584	221	355	129	542	431	12.5	65.0
65 to 69 years.....	4 553	36	187	400	449	207	289	228	1 511	183	279	75	405	326	12.3	61.0
70 to 74 years.....	3 326	26	158	279	395	187	218	202	1 059	111	197	70	239	188	12.2	58.0
75 years and over.....	4 198	98	292	585	769	228	235	151	971	108	182	65	272	245	10.5	43.9
18 years and over.....	85 799	571	1 498	3 306	3 763	2 751	3 748	4 091	31 207	5 513	7 543	3 054	10 536	8 197	12.7	77.0
25 years and over.....	73 225	528	1 430	3 114	3 541	2 317	3 078	2 881	25 897	4 018	6 352	2 355	9 858	8 057	12.8	77.2
65 years and over.....	12 078	157	637	1 283	1 611	622	720	581	3 541	400	658	210	915	759	12.1	53.7
<b>Female</b>																
Total, 15 years and over.....	99 019	585	1 394	3 604	5 118	4 883	5 949	4 981	39 202	6 546	8 032	2 980	9 988	5 738	12.8	73.2
15 to 17 years.....	5 035	9	2	203	733	1 664	1 496	849	69	7	3	-	-	-	9.9	1.6
18 and 19 years.....	3 719	2	41	54	131	223	986	1 649	497	49	3	-	-	-	12.3	64.5
20 to 24 years.....	9 398	23	35	130	154	245	373	324	3 645	1 104	1 302	722	958	116	12.8	88.2
25 to 29 years.....	10 827	30	64	154	171	289	388	384	4 637	779	1 125	349	1 810	660	12.9	88.5
30 to 34 years.....	10 950	40	81	170	111	248	323	277	4 805	820	1 245	363	1 759	881	12.9	88.3
35 to 39 years.....	9 775	41	98	155	139	174	322	283	3 989	628	1 003	350	1 438	999	12.9	87.8
40 to 44 years.....	8 418	49	70	183	179	219	315	251	3 500	621	806	282	1 081	880	12.8	84.9
45 to 49 years.....	6 884	30	94	198	220	219	339	245	3 024	377	539	210	771	629	12.7	80.5
50 to 54 years.....	5 811	44	72	238	140	238	332	254	2 608	382	398	134	518	378	12.6	75.8
55 to 59 years.....	5 578	43	103	281	305	243	374	270	2 444	286	372	119	411	348	12.5	71.0
60 to 64 years.....	5 733	58	134	316	388	277	420	302	2 581	249	359	135	304	253	12.4	67.3
65 to 69 years.....	5 484	35	107	352	515	266	322	255	2 327	264	298	111	299	233	12.3	64.8
70 to 74 years.....	4 403	48	121	393	518	248	319	215	1 688	181	187	91	239	155	12.2	57.7
75 years and over.....	7 077	134	350	790	1 359	423	428	227	2 080	212	345	109	404	219	11.3	47.6
18 years and over.....	93 984	578	1 392	3 401	4 383	3 219	4 454	4 132	39 133	6 559	8 029	2 980	9 988	5 738	12.8	77.1
25 years and over.....	80 930	550	1 354	3 231	4 171	2 843	3 858	2 942	33 440	4 957	6 877	2 254	9 030	5 822	12.8	78.6
65 years and over.....	18 944	217	658	1 535	2 390	937	1 067	697	6 094	658	830	312	842	607	12.2	55.7

See footnote at end of table.

**Table 1. Years of School Completed by Persons 15 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989 and 1988—Con.**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent high school graduates
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		
<b>1989-NUMBER</b>																
<b>WHITE</b>																
<b>Both Sexes</b>																
Total, 15 years and over.....	162 264	810	2 042	5 622	6 409	7 501	9 012	7 659	61 133	10 522	13 436	5 282	18 140	12 497	12.7	74.6
15 to 17 years.....	8 233	22	10	401	1 332	2 871	2 410	1 270	102	11	3	-	-	-	9.9	1.4
18 and 19 years.....	6 036	17	7	77	84	213	379	1 504	2 939	743	61	4	-	-	12.2	62.0
20 to 24 years.....	15 090	36	83	226	261	415	572	550	6 063	1 856	2 101	1 227	1 426	234	12.9	65.7
25 to 29 years.....	17 973	82	107	307	267	450	666	663	7 405	1 202	1 782	674	3 139	1 248	12.9	66.0
30 to 34 years.....	18 298	79	113	326	247	363	520	462	7 563	1 277	1 953	645	2 667	1 741	12.9	66.4
35 to 39 years.....	16 437	60	175	273	256	282	425	378	6 057	1 336	1 771	664	2 648	2 115	13.2	66.6
40 to 44 years.....	14 250	66	123	295	297	283	404	390	5 375	966	1 410	549	2 064	2 006	13.0	67.0
45 to 49 years.....	11 456	55	148	309	345	336	459	322	4 734	672	973	330	1 404	1 372	12.8	62.6
50 to 54 years.....	9 669	49	115	353	429	351	442	373	4 066	562	710	234	1 040	944	12.7	76.2
55 to 59 years.....	9 307	54	154	395	557	322	516	381	3 895	431	623	207	866	904	12.6	74.4
60 to 64 years.....	9 510	68	225	485	660	425	614	418	3 834	436	637	237	801	651	12.5	69.4
65 to 69 years.....	8 841	48	217	547	647	382	499	415	3 565	432	536	178	664	511	12.4	66.6
70 to 74 years.....	6 978	42	153	503	620	379	487	378	2 622	278	362	161	462	326	12.3	60.4
75 years and over.....	10 184	156	414	1 121	1 959	610	616	357	2 692	297	511	170	637	443	11.8	49.6
18 years and over.....	154 032	768	2 033	5 221	7 077	4 830	6 602	6 599	61 031	10 511	13 433	5 282	18 140	12 497	12.7	76.5
25 years and over.....	132 903	736	1 942	4 916	6 702	4 203	5 661	4 535	52 010	7 912	11 271	4 060	16 713	12 263	12.7	78.4
65 years and over.....	26 001	244	784	2 172	3 625	1 371	1 605	1 150	9 076	1 006	1 411	509	1 763	1 263	12.2	57.9
<b>Male</b>																
Total, 15 years and over.....	78 230	436	1 079	2 897	3 696	3 560	4 333	3 678	27 136	4 820	6 534	2 690	9 436	7 437	12.7	74.2
15 to 17 years.....	4 213	17	8	263	736	1 312	1 223	599	49	4	-	-	-	-	9.8	1.3
18 and 19 years.....	3 005	14	5	45	54	108	213	816	1 414	313	20	2	-	-	12.2	58.2
20 to 24 years.....	7 433	19	51	118	141	225	317	316	3 002	926	978	612	602	124	12.8	64.0
25 to 29 years.....	9 025	45	54	196	119	221	366	377	3 623	566	845	382	1 556	662	12.9	64.6
30 to 34 years.....	9 161	46	66	194	119	196	278	244	3 661	567	955	337	1 499	665	12.9	67.5
35 to 39 years.....	8 236	30	87	163	144	154	197	165	2 712	619	816	382	1 415	1 253	13.7	66.3
40 to 44 years.....	7 050	36	61	161	152	110	169	193	2 345	432	726	293	1 126	1 242	13.7	67.5
45 to 49 years.....	5 835	40	73	165	172	163	206	133	2 114	332	499	160	753	624	12.9	63.1
50 to 54 years.....	4 723	23	59	199	229	199	199	172	1 771	242	351	123	567	626	12.8	76.4
55 to 59 years.....	4 469	32	93	193	289	137	210	161	1 672	201	286	89	504	560	12.7	75.0
60 to 64 years.....	4 461	26	130	286	369	211	261	196	1 430	202	330	115	516	417	12.5	67.5
65 to 69 years.....	4 027	26	119	296	400	168	233	190	1 406	170	254	73	391	301	12.4	64.5
70 to 74 years.....	3 023	19	65	222	363	172	200	180	1 007	110	190	70	229	178	12.3	59.0
75 years and over.....	3 748	60	165	471	710	215	221	144	806	102	179	62	259	235	11.1	46.5
18 years and over.....	74 017	418	1 071	2 634	3 260	2 248	3 110	3 277	27 066	4 616	6 534	2 690	9 436	7 437	12.8	76.4
25 years and over.....	63 576	385	1 015	2 470	3 065	1 918	2 580	2 146	22 670	3 575	5 536	2 075	6 633	7 313	12.6	76.6
65 years and over.....	10 798	105	369	969	1 472	555	654	513	3 321	382	622	205	878	714	12.2	56.7
<b>Female</b>																
Total, 15 years and over.....	84 035	374	964	2 725	4 411	3 941	4 679	3 983	33 997	5 702	6 902	2 592	8 705	5 060	12.6	74.9
15 to 17 years.....	4 020	5	2	138	594	1 359	1 187	671	52	7	3	-	-	-	9.9	1.6
18 and 19 years.....	3 033	2	2	31	40	105	166	686	1 525	430	41	2	-	-	12.3	65.9
20 to 24 years.....	7 658	17	31	110	141	190	254	234	3 060	926	1 123	615	825	110	12.9	67.2
25 to 29 years.....	8 947	17	53	136	149	229	279	287	3 782	634	937	293	1 583	566	12.9	67.1
30 to 34 years.....	9 117	31	45	132	129	187	243	218	3 662	679	998	309	1 486	777	12.9	69.2
35 to 39 years.....	6 201	30	67	111	110	126	229	191	3 345	718	855	302	1 233	662	13.0	69.2
40 to 44 years.....	7 200	28	81	134	145	173	235	196	3 030	555	682	257	939	765	12.9	66.5
45 to 49 years.....	5 823	16	73	144	173	173	253	169	2 619	340	474	189	651	549	12.7	62.5
50 to 54 years.....	4 846	26	57	184	200	182	243	201	2 297	320	359	111	452	315	12.6	77.9
55 to 59 years.....	4 838	22	61	202	267	185	306	220	2 223	230	335	108	363	314	12.5	73.9
60 to 64 years.....	5 049	40	95	218	311	214	333	249	2 405	236	307	122	285	234	12.4	71.1
65 to 69 years.....	4 814	20	96	251	447	214	266	225	2 156	262	284	105	273	211	12.4	66.4
70 to 74 years.....	3 953	23	66	261	457	207	287	198	1 815	168	172	91	234	150	12.3	61.5
75 years and over.....	6 436	95	229	651	1 249	395	397	214	1 866	194	332	108	378	206	11.9	49.6
18 years and over.....	80 015	369	962	2 587	3 817	2 582	3 492	3 311	33 945	5 695	6 899	2 592	8 705	5 060	12.7	76.6
25 years and over.....	69 325	350	926	2 446	3 637	2 267	3 071	2 389	29 340	4 337	5 736	1 975	7 880	4 950	12.7	78.2
65 years and over.....	15 204	139	396	1 163	2 153	816	951	637	5 757	625	768	304	885	569	12.2	56.7

See footnote at end of table.

**Table 1. Years of School Completed by Persons 15 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989 and 1988—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent high school graduates
			1-4 years	5-7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		
<b>1989-NUMBER</b>																
<b>BLACK</b>																
<b>Both Sexes</b>																
Total, 15 years and over	21 595	172	713	1 368	1 200	1 486	1 798	1 667	7 879	1 271	1 651	518	1 347	728	12.3	61.1
15 to 17 years	1 612	4	-	159	331	489	403	224	17	4	-	-	-	-	9.7	1.3
18 and 19 years	1 072	-	-	18	18	77	119	291	426	110	13	-	-	-	12.0	51.2
20 to 24 years	2 517	11	6	21	44	90	141	176	1 247	274	251	110	143	3	12.6	60.5
25 to 29 years	2 726	12	2	14	50	101	130	176	1 298	200	307	90	272	74	12.7	62.2
30 to 34 years	2 682	9	12	24	38	102	135	132	1 173	214	368	84	262	69	12.7	63.0
35 to 39 years	2 201	2	11	46	40	74	132	129	938	154	227	65	235	147	12.7	60.3
40 to 44 years	1 699	5	6	73	54	63	118	97	671	96	183	66	142	127	12.6	75.6
45 to 49 years	1 349	2	15	80	64	75	129	82	507	54	85	37	111	89	12.4	65.5
50 to 54 years	1 216	12	45	128	70	73	138	91	414	61	45	35	40	64	12.1	54.2
55 to 59 years	1 068	18	75	116	74	81	99	75	345	42	57	12	45	50	12.0	50.6
60 to 64 years	1 018	23	83	154	69	111	99	77	255	28	58	9	28	24	10.7	39.4
65 to 69 years	908	18	139	162	95	80	77	57	192	10	28	5	12	32	9.5	30.9
70 to 74 years	624	16	119	145	79	51	41	39	84	11	20	-	7	11	8.4	21.3
75 years and over	604	40	200	228	155	37	37	21	111	13	9	3	31	18	7.8	20.6
18 years and over	19 984	188	713	1 208	889	1 016	1 395	1 443	7 662	1 267	1 651	518	1 347	728	12.4	65.9
25 years and over	16 395	157	708	1 169	807	849	1 134	978	5 988	884	1 387	408	1 204	725	12.4	64.6
65 years and over	2 436	74	458	535	329	169	155	117	386	35	57	9	51	62	8.5	24.6
<b>Male</b>																
Total, 15 years and over	9 809	96	369	656	633	684	719	803	3 421	539	744	241	579	326	12.3	59.6
15 to 17 years	619	-	-	103	217	236	168	88	2	4	-	-	-	-	9.4	7
18 and 19 years	518	-	-	10	5	54	77	142	173	51	5	-	-	-	11.8	44.4
20 to 24 years	1 159	9	6	11	32	41	41	97	590	129	108	41	53	-	12.6	79.5
25 to 29 years	1 258	10	-	4	34	49	55	92	586	83	146	48	119	32	12.7	60.8
30 to 34 years	1 229	4	3	11	18	47	62	84	561	92	181	42	113	29	12.7	61.9
35 to 39 years	993	2	7	26	24	38	49	61	424	57	107	31	101	66	12.7	79.1
40 to 44 years	777	3	1	38	30	19	45	47	286	41	80	48	67	74	12.7	76.6
45 to 49 years	589	-	7	36	45	35	52	35	199	27	49	9	61	36	12.4	64.7
50 to 54 years	546	10	36	85	38	20	63	45	160	20	18	12	9	29	11.4	45.4
55 to 59 years	484	8	37	46	40	30	37	29	165	10	31	2	23	27	12.1	53.5
60 to 64 years	458	18	49	61	27	60	21	25	130	18	13	4	21	10	10.6	42.8
65 to 69 years	377	8	61	83	35	34	26	27	69	8	15	2	2	10	9.1	27.8
70 to 74 years	242	5	70	41	31	31	12	22	33	-	7	-	2	6	8.2	20.0
75 years and over	362	22	92	101	56	11	9	7	43	-	2	3	8	7	7.0	17.5
18 years and over	8 990	96	369	554	418	447	551	714	3 419	535	744	241	579	326	12.4	65.0
25 years and over	7 315	67	362	523	378	353	433	475	2 656	354	630	200	527	326	12.4	64.2
65 years and over	981	33	223	225	122	57	47	57	145	8	24	5	12	23	8.1	22.1
<b>Female</b>																
Total, 15 years and over	11 786	78	344	711	567	802	1 079	865	4 258	732	907	276	768	402	12.3	62.3
15 to 17 years	793	4	-	56	114	233	235	135	15	-	-	-	-	-	10.0	1.9
18 and 19 years	555	-	-	8	13	23	42	149	254	58	8	-	-	-	12.2	57.6
20 to 24 years	1 359	2	-	11	12	49	100	79	657	144	143	69	90	2	12.6	61.4
25 to 29 years	1 488	2	2	10	16	52	75	84	712	118	181	42	153	42	12.7	63.8
30 to 34 years	1 434	-	9	13	20	54	73	47	612	122	207	42	189	60	12.6	64.6
35 to 39 years	1 207	-	4	20	16	36	83	68	515	97	119	34	134	82	12.7	61.3
40 to 44 years	923	2	5	36	24	46	71	50	385	56	103	18	75	53	12.6	74.8
45 to 49 years	760	2	6	43	38	42	77	48	308	27	36	28	50	52	12.4	66.1
50 to 54 years	670	2	9	43	32	52	75	46	254	42	27	23	31	35	12.3	61.3
55 to 59 years	604	11	39	70	35	51	82	46	180	31	26	10	22	23	11.8	48.2
60 to 64 years	560	5	5	93	41	51	78	52	126	10	45	6	5	14	10.7	36.7
65 to 69 years	531	12	78	79	60	48	52	30	123	2	13	4	10	22	9.8	32.9
70 to 74 years	382	11	49	104	47	39	29	17	51	11	13	-	5	5	8.8	22.2
75 years and over	542	18	108	128	99	26	28	13	67	13	7	-	24	11	8.2	22.6
18 years and over	10 994	72	344	855	453	569	844	729	4 243	732	907	276	768	402	12.4	66.7
25 years and over	9 080	70	344	637	428	496	702	501	3 332	530	756	208	678	399	12.4	65.0
65 years and over	1 455	41	235	310	206	111	108	60	241	27	32	4	39	38	8.7	26.3

See footnote at end of table.

Table 1. Years of School Completed by Persons 15 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989 and 1988—Con.

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent high school graduates
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		
<b>1989-NUMBER</b>																
<b>HISPANIC ORIGIN<sup>1</sup></b>																
<b>Both Sexes</b>																
Total, 15 years and over.....	14 057	378	998	1 912	1 104	1 031	1 008	872	3 889	627	797	362	696	387	11.7	48.1
15 to 17 years.....	985	4	7	101	219	288	256	111	10	-	-	-	-	-	9.6	1.0
18 and 19 years.....	730	2	6	59	35	54	88	196	245	40	4	-	-	-	11.8	39.8
20 to 24 years.....	1 893	12	68	181	104	136	139	102	727	178	125	85	48	6	12.3	60.7
25 to 29 years.....	2 152	27	89	234	94	146	130	119	731	123	161	82	152	65	12.3	61.0
30 to 34 years.....	1 616	32	83	255	103	100	80	88	530	104	150	86	140	75	12.3	58.6
35 to 39 years.....	1 478	23	136	185	89	68	55	53	485	83	128	36	88	70	12.3	58.9
40 to 44 years.....	1 192	30	100	182	75	67	53	49	340	34	79	39	83	51	12.1	52.8
45 to 49 years.....	915	25	103	148	69	48	58	36	243	30	48	18	64	26	11.2	46.8
50 to 54 years.....	730	36	73	135	51	38	47	44	167	18	27	19	37	37	10.7	41.8
55 to 59 years.....	619	27	61	103	70	26	26	29	137	5	32	19	32	19	9.7	39.5
60 to 64 years.....	532	31	79	95	52	26	36	32	118	2	12	15	17	15	9.3	33.7
65 to 69 years.....	419	27	61	98	61	11	17	6	69	5	25	3	23	14	8.4	33.0
70 to 74 years.....	232	22	32	61	34	13	7	4	48	1	3	1	5	2	8.0	25.3
75 years and over.....	354	65	68	65	48	9	15	4	59	5	2	-	8	6	7.1	23.0
18 years and over.....	13 061	371	989	1 811	885	743	752	762	3 379	627	797	362	696	387	12.1	51.7
25 years and over.....	10 436	357	915	1 571	748	551	524	484	2 807	408	667	297	648	382	12.0	50.9
65 years and over.....	1 005	114	181	223	144	32	38	14	175	10	30	4	35	24	8.0	27.7
<b>Male</b>																
Total, 15 years and over.....	7 012	203	496	981	558	525	539	418	1 796	340	356	217	369	215	11.5	47.0
15 to 17 years.....	631	4	5	58	133	139	125	61	4	-	-	-	-	-	9.5	8
18 and 19 years.....	381	2	4	38	18	27	45	86	117	16	-	-	-	-	11.5	36.7
20 to 24 years.....	993	8	43	105	57	86	90	63	336	105	55	23	18	2	12.1	54.8
25 to 29 years.....	1 125	23	41	126	40	77	65	45	379	63	80	58	61	27	12.3	61.0
30 to 34 years.....	938	26	53	148	48	53	34	54	253	58	80	41	67	43	12.2	55.6
35 to 39 years.....	736	14	70	108	46	29	29	22	196	37	61	25	54	43	12.3	56.6
40 to 44 years.....	586	9	49	88	37	27	25	23	152	17	28	27	48	28	12.1	52.7
45 to 49 years.....	482	17	49	70	28	24	34	12	114	27	18	7	47	14	11.7	49.3
50 to 54 years.....	340	19	31	58	29	20	13	18	80	6	14	14	14	25	11.0	45.3
55 to 59 years.....	285	24	43	39	37	9	15	10	51	5	12	10	18	13	9.0	37.9
60 to 64 years.....	229	9	30	41	24	17	17	6	52	2	7	13	5	7	9.8	37.3
65 to 69 years.....	208	13	32	47	28	9	13	4	28	1	17	-	14	4	8.5	31.2
70 to 74 years.....	93	9	17	20	15	9	3	2	12	-	2	1	1	2	8.1	20.7
75 years and over.....	148	27	30	24	18	2	12	3	17	4	-	-	4	6	7.0	21.1
18 years and over.....	6 481	198	491	922	425	386	414	355	1 792	340	356	217	369	215	12.0	50.8
25 years and over.....	5 128	188	444	780	350	273	279	197	1 337	220	301	194	351	213	12.0	51.0
65 years and over.....	447	48	78	91	61	17	28	8	57	5	20	1	19	12	8.1	25.7
<b>Female</b>																
Total, 15 years and over.....	7 044	173	500	932	546	506	489	458	2 093	286	441	145	326	172	11.9	49.2
15 to 17 years.....	464	-	2	43	85	148	131	50	5	-	-	-	-	-	9.7	1.2
18 and 19 years.....	370	-	2	21	17	27	44	100	128	24	4	-	-	-	11.7	42.4
20 to 24 years.....	900	5	25	78	47	53	49	39	389	73	70	42	30	4	12.4	67.4
25 to 29 years.....	1 027	5	47	108	54	70	45	74	352	60	81	25	71	38	12.3	61.0
30 to 34 years.....	878	6	40	108	54	48	47	34	277	45	90	25	72	32	12.4	61.7
35 to 39 years.....	741	9	66	77	43	38	28	31	267	48	67	11	34	26	12.3	60.9
40 to 44 years.....	625	21	51	94	38	40	27	26	188	17	51	12	37	23	12.1	52.5
45 to 49 years.....	454	9	55	78	41	24	24	23	129	3	29	11	17	12	10.9	44.4
50 to 54 years.....	380	18	42	78	22	18	34	28	87	12	13	5	23	12	10.5	38.6
55 to 59 years.....	334	13	38	64	33	18	13	18	86	-	20	10	14	6	10.1	40.6
60 to 64 years.....	303	23	49	54	28	9	19	28	68	1	5	2	12	8	8.9	31.1
65 to 69 years.....	212	14	30	51	33	5	3	2	42	3	7	3	9	9	8.3	34.7
70 to 74 years.....	138	14	15	41	19	3	4	3	34	1	1	-	4	9	7.9	28.5
75 years and over.....	208	37	38	41	31	7	3	1	42	1	2	-	3	2	7.1	24.3
18 years and over.....	6 580	173	498	889	480	358	338	408	2 087	286	441	145	326	172	12.1	52.8
25 years and over.....	5 310	188	470	791	396	278	245	267	1 570	189	367	103	297	169	12.0	50.7
65 years and over.....	558	85	83	133	83	15	10	6	118	5	10	3	16	11	8.0	29.3



**Table 1. Years of School Completed by Persons 15 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989 and 1988**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent high school graduates
			1-4 years	5-7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		
<b>1988-NUMBER</b>																
<b>ALL RACES</b>																
<b>Both Sexes</b>																
Total, 15 years and over.....	188 481	1 195	2 738	7 481	10 315	9 165	11 402	10 061	70 348	12 018	15 177	5 799	19 818	13 191	12.8	72.2
15 to 17 years.....	10 793	25	13	507	1 948	3 164	3 228	1 758	149	4	-	-	-	-	9.9	1.4
18 and 19 years.....	7 222	12	15	59	135	317	554	1 717	3 468	857	74	14	3	-	12.2	81.1
20 to 24 years.....	18 830	74	79	274	306	523	763	758	7 789	2 278	2 579	1 391	1 742	276	12.9	85.3
25 to 29 years.....	21 588	92	121	297	332	558	822	859	9 120	1 819	2 083	818	3 478	1 389	12.8	85.7
30 to 34 years.....	21 365	85	132	392	287	470	669	717	8 787	1 542	2 229	785	3 333	1 955	12.9	87.1
35 to 39 years.....	18 870	81	173	442	284	421	543	557	7 187	1 472	1 999	893	2 780	2 257	13.0	86.7
40 to 44 years.....	15 823	73	162	396	362	378	573	413	8 027	1 082	1 535	507	2 226	2 080	12.9	85.1
45 to 49 years.....	12 791	85	136	382	383	418	571	515	5 308	728	1 046	341	1 410	1 492	12.7	80.7
50 to 54 years.....	11 071	99	169	488	535	454	584	466	4 549	574	775	255	1 143	978	12.6	74.7
55 to 59 years.....	10 835	91	226	607	736	448	644	487	4 405	467	790	212	913	807	12.5	70.1
60 to 64 years.....	10 806	102	282	669	907	486	742	577	4 188	492	812	229	853	667	12.4	85.2
65 to 69 years.....	9 857	94	309	792	964	508	533	478	3 866	357	547	242	653	514	12.3	82.7
70 to 74 years.....	7 645	87	270	739	1 052	433	518	349	2 829	247	412	144	450	338	12.2	55.2
75 years and over.....	10 986	235	647	1 417	2 085	591	859	408	2 918	289	497	189	631	441	10.6	45.0
18 years and over.....	177 688	1 171	2 723	8 954	8 389	8 001	8 174	8 303	70 197	12 013	15 177	5 799	19 818	13 191	12.7	78.6
25 years and over.....	151 635	1 084	2 630	8 622	7 928	5 161	6 858	5 828	58 940	8 879	12 525	4 395	17 872	12 915	12.7	78.2
65 years and over.....	28 487	396	1 226	2 948	4 102	1 532	1 710	1 236	9 411	894	1 455	554	1 734	1 261	12.1	53.8
<b>Male</b>																
Total, 15 years and over.....	90 256	570	1 422	3 752	4 851	4 499	5 373	4 966	31 157	5 523	7 131	2 790	10 316	7 905	12.8	71.8
15 to 17 years.....	5 522	11	10	312	1 040	1 661	1 602	819	66	2	-	-	-	-	9.8	1.2
18 and 19 years.....	3 582	9	14	29	83	178	310	946	1 623	360	28	-	-	-	12.1	58.2
20 to 24 years.....	9 241	41	55	142	147	271	403	401	3 831	1 174	1 181	662	789	164	12.8	84.2
25 to 29 years.....	10 730	52	67	180	154	302	440	478	4 391	787	976	430	1 738	755	12.8	84.4
30 to 34 years.....	10 547	51	87	205	112	257	355	395	4 178	702	1 028	370	1 728	1 097	12.9	86.3
35 to 39 years.....	9 320	39	93	240	145	227	210	264	3 267	690	1 003	351	1 502	1 287	13.3	86.9
40 to 44 years.....	7 748	38	84	213	186	187	262	183	2 558	470	768	263	1 241	1 284	13.3	85.1
45 to 49 years.....	6 218	37	67	189	193	178	252	236	2 371	317	521	171	741	945	12.8	81.5
50 to 54 years.....	5 361	51	91	259	300	194	236	225	1 904	282	357	134	656	873	12.7	74.7
55 to 59 years.....	5 158	44	111	330	386	185	282	187	1 868	217	401	91	524	520	12.8	70.2
60 to 64 years.....	5 035	45	149	355	436	240	348	273	1 632	191	293	106	531	435	12.4	63.3
65 to 69 years.....	4 487	29	170	394	433	232	254	214	1 525	160	251	96	385	325	12.3	81.4
70 to 74 years.....	3 270	23	152	317	504	171	191	181	985	98	188	63	222	176	12.1	53.0
75 years and over.....	4 061	103	292	585	730	218	229	154	960	94	153	54	257	235	10.5	43.2
18 years and over.....	84 734	560	1 412	3 440	3 811	2 838	3 771	4 147	31 091	5 521	7 131	2 790	10 316	7 905	12.7	78.4
25 years and over.....	71 911	509	1 343	3 268	3 581	2 389	3 058	2 800	25 638	3 987	5 942	2 128	9 526	7 742	12.7	78.4
65 years and over.....	11 798	154	614	1 297	1 667	819	673	549	3 470	352	592	212	863	735	12.1	52.8
<b>Female</b>																
Total, 15 years and over.....	98 225	625	1 314	3 710	5 464	4 665	6 029	5 095	39 189	6 495	8 046	3 009	9 300	5 285	12.8	72.8
15 to 17 years.....	5 271	14	3	195	906	1 503	1 626	939	82	3	-	-	-	-	10.0	1.8
18 and 19 years.....	3 640	3	-	30	51	140	244	771	1 845	498	48	13	-	-	12.3	68.0
20 to 24 years.....	9 589	33	24	131	160	251	360	357	3 958	1 104	1 417	729	952	112	12.9	86.3
25 to 29 years.....	10 858	40	55	118	177	257	382	381	4 728	852	1 107	387	1 740	634	12.9	87.0
30 to 34 years.....	10 817	33	85	187	175	213	314	322	4 590	840	1 200	415	1 605	858	12.9	87.9
35 to 39 years.....	9 550	43	80	202	139	194	333	293	3 900	782	996	342	1 278	969	12.9	86.6
40 to 44 years.....	8 077	37	78	183	175	189	310	229	3 469	622	787	244	988	787	12.8	85.1
45 to 49 years.....	6 572	28	70	193	190	237	319	279	2 935	411	525	189	668	547	12.7	80.0
50 to 54 years.....	5 709	48	78	230	235	261	348	242	2 645	292	418	121	487	305	12.5	74.7
55 to 59 years.....	5 879	48	117	277	350	261	362	291	2 538	250	388	121	389	287	12.4	70.0
60 to 64 years.....	5 771	57	132	314	471	248	394	304	2 556	301	319	124	321	232	12.4	66.8
65 to 69 years.....	5 390	65	139	398	531	278	279	264	2 341	197	296	148	269	189	12.3	63.8
70 to 74 years.....	4 375	44	118	422	549	262	328	168	1 643	149	224	81	228	160	12.2	56.8
75 years and over.....	8 924	132	355	832	1 355	375	430	255	1 956	195	343	115	374	206	11.0	48.1
18 years and over.....	92 954	611	1 311	3 514	4 558	3 162	4 403	4 156	39 106	6 492	8 046	3 009	9 300	5 285	12.8	78.0
25 years and over.....	79 724	575	1 287	3 353	4 347	2 771	3 800	3 028	33 303	4 892	6 582	2 267	8 348	5 173	12.8	78.0
65 years and over.....	18 689	242	612	1 651	2 435	915	1 037	687	5 940	542	683	342	870	555	12.1	54.6

See footnote at end of table.





**Table 1. Years of School Completed by Persons 15 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989 and 1988—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent high school graduates
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		
<b>1988-NUMBER</b>																
<b>BLACK</b>																
<b>Both Sexes</b>																
Total, 15 years and over.....	21 301	209	613	1 373	1 264	1 440	1 924	1 713	7 627	1 165	1 431	578	1 245	699	12.3	59.8
15 to 17 years.....	1 670	3	2	134	346	491	458	215	19	-	-	-	-	-	9.7	1.2
18 and 19 years.....	1 043	1	7	7	30	69	147	272	435	65	6	3	-	-	12.0	48.9
20 to 24 years.....	2 591	24	7	17	55	88	172	171	1 201	301	267	142	137	9	12.6	79.4
25 to 29 years.....	2 744	4	5	18	45	88	164	207	1 293	205	248	132	257	78	12.7	80.7
30 to 34 years.....	2 547	11	8	53	37	77	144	172	1 168	174	247	102	243	111	12.7	80.3
35 to 39 years.....	2 131	9	14	48	38	71	128	135	948	150	205	75	196	115	12.7	79.2
40 to 44 years.....	1 579	6	14	54	51	63	140	72	633	82	169	40	122	134	12.6	74.7
45 to 49 years.....	1 333	13	14	73	70	71	96	105	585	56	90	22	66	55	12.4	66.7
50 to 54 years.....	1 199	25	23	102	66	94	123	101	391	41	65	26	69	74	12.2	55.5
55 to 59 years.....	1 072	7	46	140	96	82	102	70	326	39	58	11	51	43	11.9	49.3
60 to 64 years.....	1 006	26	81	159	110	63	121	66	262	25	32	11	27	24	10.5	37.9
65 to 69 years.....	932	22	130	164	110	86	61	70	176	13	10	10	28	33	9.2	29.0
70 to 74 years.....	592	8	74	164	92	45	39	33	98	3	14	5	7	10	8.6	23.3
75 years and over.....	863	54	188	220	137	52	26	25	90	12	16	-	27	13	7.6	18.7
18 years and over.....	19 631	206	611	1 238	937	948	1 466	1 496	7 608	1 165	1 431	578	1 245	699	12.4	64.8
25 years and over.....	15 998	181	597	1 214	853	791	1 146	1 055	5 972	799	1 158	433	1 109	689	12.4	63.5
65 years and over.....	2 387	82	392	567	339	183	126	128	365	28	42	15	63	56	6.4	23.9
<b>Male</b>																
Total, 15 years and over.....	9 668	113	322	671	559	678	840	781	3 400	513	656	283	526	327	12.3	59.0
15 to 17 years.....	844	-	2	60	183	270	206	91	9	-	-	-	-	-	9.6	1.1
18 and 19 years.....	501	-	7	2	20	38	87	145	174	27	2	-	-	-	11.7	40.4
20 to 24 years.....	1 206	15	-	3	26	45	82	74	573	139	117	67	56	8	12.6	79.7
25 to 29 years.....	1 279	4	4	8	15	44	77	98	590	107	110	74	117	44	12.7	80.6
30 to 34 years.....	1 147	4	3	31	7	31	68	80	536	67	110	45	106	55	12.7	80.6
35 to 39 years.....	962	4	9	21	21	42	47	49	434	71	86	38	83	45	12.7	80.0
40 to 44 years.....	708	2	6	25	16	30	57	30	280	32	84	22	46	66	12.7	75.3
45 to 49 years.....	593	10	7	35	35	32	35	44	256	31	36	10	40	22	12.4	66.6
50 to 54 years.....	548	11	18	63	38	31	42	55	171	19	28	13	23	34	12.1	52.6
55 to 59 years.....	468	1	20	72	38	38	42	25	138	12	36	3	18	26	11.9	49.5
60 to 64 years.....	450	22	45	90	35	25	54	29	107	3	13	2	14	12	10.2	33.5
65 to 69 years.....	391	8	69	86	35	33	20	34	67	6	3	7	12	11	6.9	27.1
70 to 74 years.....	237	1	42	82	37	7	13	17	44	-	6	2	2	4	8.4	24.2
75 years and over.....	335	30	90	94	53	12	9	8	28	-	3	-	6	2	6.5	11.5
18 years and over.....	8 825	113	320	591	376	406	631	690	3 390	513	656	283	526	327	12.4	64.6
25 years and over.....	7 118	97	313	566	330	326	463	470	2 644	348	537	216	468	320	12.4	63.7
65 years and over.....	963	40	202	241	125	52	42	60	139	6	12	9	19	16	8.0	21.0
<b>Female</b>																
Total, 15 years and over.....	11 633	97	291	702	724	762	1 065	933	4 228	652	775	298	719	371	12.3	60.5
15 to 17 years.....	826	3	-	54	163	222	250	124	10	-	-	-	-	-	9.9	1.2
18 and 19 years.....	542	1	-	5	10	32	61	127	262	38	4	3	-	-	12.1	56.7
20 to 24 years.....	1 385	9	7	15	29	43	91	97	628	182	150	75	78	2	12.6	79.1
25 to 29 years.....	1 464	-	1	11	30	44	87	109	714	99	138	58	139	34	12.6	80.7
30 to 34 years.....	1 400	7	5	22	30	46	77	93	629	107	137	57	135	56	12.7	80.0
35 to 39 years.....	1 170	4	5	27	18	29	81	86	514	79	107	37	112	70	12.7	78.6
40 to 44 years.....	871	4	8	29	33	33	63	42	353	50	75	19	76	67	12.6	73.4
45 to 49 years.....	740	2	8	38	35	39	63	61	328	25	55	11	42	33	12.4	66.8
50 to 54 years.....	653	14	5	39	28	63	81	46	220	22	37	13	46	40	12.2	57.8
55 to 59 years.....	603	6	27	68	58	44	61	44	188	26	23	6	33	17	11.9	49.1
60 to 64 years.....	555	4	36	69	75	37	67	37	155	22	19	9	13	12	10.6	41.4
65 to 69 years.....	541	14	61	97	75	53	41	35	109	7	6	3	16	22	9.4	30.3
70 to 74 years.....	355	5	32	102	56	37	26	16	54	3	8	6	6	6	6.7	22.7
75 years and over.....	528	24	98	126	83	40	17	16	62	12	15	-	22	12	8.2	23.3
18 years and over.....	10 807	93	291	647	582	540	835	808	4 216	652	775	298	719	371	12.4	65.0
25 years and over.....	8 880	84	285	628	523	468	683	585	3 328	451	621	217	641	369	12.4	63.4
65 years and over.....	1 424	42	191	325	214	131	64	68	226	23	30	6	44	39	8.7	25.8

See footnote at end of table.

Table 1. Years of School Completed by Persons 15 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989 and 1988—Con.

[Numbers in thousands. Noninstitutional population]

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent high school graduates
			1 - 4 years	5 - 7 years	6 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		
<b>1988-NUMBER</b>																
<b>HISPANIC ORIGIN<sup>1</sup></b>																
<b>Both Sexes</b>																
Total, 15 years and over	13 803	362	921	1 881	1 021	1 040	882	861	3 869	660	766	253	718	370	11.8	48.8
15 to 17 years	1 000	1	2	101	216	273	247	149	11	-	-	-	-	-	9.7	1.1
18 and 19 years	891	2	7	36	34	58	69	154	261	46	3	-	-	-	11.8	44.9
20 to 24 years	1 950	13	48	178	89	155	112	119	775	174	162	49	66	12	12.3	63.5
25 to 29 years	2 105	35	87	218	94	124	112	132	720	136	159	51	173	67	12.4	62.0
30 to 34 years	1 674	22	88	232	72	98	87	72	517	104	151	41	142	87	12.4	61.1
35 to 39 years	1 543	25	110	235	70	90	64	63	485	94	103	29	107	89	12.2	57.5
40 to 44 years	1 066	13	98	179	62	65	41	49	330	37	65	34	65	48	12.1	53.2
45 to 49 years	798	25	78	137	63	41	40	31	236	24	35	17	45	29	11.8	48.4
50 to 54 years	713	31	82	137	70	48	22	28	162	13	24	6	56	33	9.8	41.5
55 to 59 years	631	48	93	121	62	28	28	26	142	9	31	10	19	18	8.9	36.1
60 to 64 years	527	40	83	97	55	28	30	21	104	9	17	7	22	13	8.8	32.8
65 to 69 years	333	25	55	62	41	20	14	8	53	7	11	6	9	4	8.1	28.9
70 to 74 years	223	18	37	55	40	10	6	6	38	5	2	-	2	3	8.0	22.8
75 years and over	329	66	58	78	52	4	10	3	35	3	6	-	12	6	8.7	18.5
18 years and over	12 603	361	919	1 780	805	787	635	712	3 857	660	766	253	718	370	12.1	52.8
25 years and over	9 962	348	865	1 588	682	553	434	438	2 821	441	601	204	651	358	12.0	51.0
65 years and over	885	109	148	215	133	33	31	15	125	15	18	6	23	13	7.8	22.7
<b>Male</b>																
Total, 15 years and over	8 768	157	487	987	489	500	470	418	1 831	342	371	127	414	233	11.8	49.0
15 to 17 years	496	-	-	80	113	132	123	63	5	-	-	-	-	-	9.8	1.0
18 and 19 years	353	-	6	18	23	36	48	83	119	19	3	-	-	-	11.8	39.9
20 to 24 years	1 009	8	40	102	34	84	68	52	375	98	83	21	35	10	12.3	61.7
25 to 29 years	1 122	17	47	136	48	69	67	72	370	63	71	28	94	42	12.3	59.4
30 to 34 years	872	15	43	122	28	51	32	38	266	56	62	23	80	36	12.4	62.4
35 to 39 years	738	11	60	123	29	30	35	29	208	54	45	11	63	39	12.2	56.9
40 to 44 years	545	7	47	94	30	29	25	24	144	19	34	24	38	31	12.1	53.2
45 to 49 years	384	10	40	58	31	17	20	18	111	8	15	6	29	20	12.0	49.6
50 to 54 years	358	18	38	66	32	14	10	13	83	7	11	6	35	22	10.8	45.9
55 to 59 years	290	24	36	55	28	8	17	12	63	3	15	2	13	12	9.1	37.5
60 to 64 years	223	9	37	48	16	10	13	6	44	4	5	3	12	10	8.9	35.2
65 to 69 years	149	7	29	35	16	9	6	3	20	5	7	1	6	3	8.2	28.0
70 to 74 years	97	5	21	19	19	7	3	3	13	4	1	-	3	3	8.2	22.8
75 years and over	135	27	23	32	21	-	4	2	10	3	-	-	8	5	6.8	18.9
18 years and over	8 272	157	487	907	358	368	348	355	1 827	342	371	127	414	233	12.1	52.8
25 years and over	4 909	149	421	789	300	249	232	220	1 332	225	286	108	378	224	12.1	52.0
65 years and over	381	39	74	86	55	18	14	6	43	12	6	1	13	12	7.7	23.4
<b>Female</b>																
Total, 15 years and over	8 835	205	454	914	552	540	412	443	2 037	318	394	128	304	137	11.8	48.5
15 to 17 years	504	1	1	41	104	141	124	86	7	-	-	-	-	-	9.7	1.3
18 and 19 years	338	2	1	20	12	22	41	71	142	27	-	-	-	-	12.0	50.0
20 to 24 years	940	5	6	74	55	72	44	68	400	78	79	28	31	2	12.4	65.4
25 to 29 years	984	18	40	80	47	55	45	60	350	74	88	24	78	25	12.4	65.0
30 to 34 years	803	7	45	110	44	47	35	34	251	48	66	18	62	31	12.3	59.7
35 to 39 years	805	14	51	112	41	59	29	33	277	40	58	18	44	30	12.2	58.0
40 to 44 years	541	8	51	86	32	36	17	25	188	17	31	10	26	17	12.1	53.2
45 to 49 years	414	15	36	79	31	23	20	15	125	16	20	9	18	10	11.2	47.1
50 to 54 years	357	15	45	71	38	29	12	16	79	6	13	2	21	10	9.4	37.1
55 to 59 years	342	21	56	65	34	20	11	14	78	6	16	6	6	6	8.8	34.9
60 to 64 years	304	31	45	49	37	18	17	13	60	5	12	4	10	4	8.7	31.1
65 to 69 years	184	18	28	47	25	11	6	3	33	2	4	5	4	1	8.0	26.1
70 to 74 years	126	14	18	36	21	3	5	3	25	1	1	-	2	1	7.8	22.8
75 years and over	194	39	33	45	31	4	8	1	24	-	6	-	4	1	6.7	18.2
18 years and over	8 331	205	453	873	449	398	288	357	2 031	318	394	128	304	137	12.1	52.3
25 years and over	5 053	197	444	778	383	305	203	218	1 489	218	315	98	273	135	12.0	50.0
65 years and over	604	71	74	128	78	17	17	7	82	3	10	5	10	2	7.5	22.1

<sup>1</sup>Persons of Hispanic origin may be of any race.













**Table 2. Years of School Completed by Persons 15 Years Old and Over, by Single Year of Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

(Numbers in thousands, Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent completed—				
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		4 years of high school or more	1 or more years of college	4 or more years of college		
<b>WHITE—Con.</b>																				
<b>Both Sexes—Con.</b>																				
<b>30 to 34 years</b> .....	16 298	79	113	326	247	383	520	482	7 563	1 277	1 953	645	2 987	1 741	12.9	68.4	47.0	25.6		
30 years.....	3 716	21	27	36	63	85	106	111	1 522	275	404	128	649	290	12.9	67.9	47.0	25.3		
31 years.....	3 722	8	24	77	58	73	101	97	1 578	257	403	121	602	323	12.9	68.2	45.6	24.8		
32 years.....	3 845	17	19	88	45	94	128	96	1 539	257	413	162	619	367	12.9	67.3	47.3	25.6		
33 years.....	3 487	17	21	60	48	64	98	83	1 381	256	368	128	552	322	13.0	68.6	49.0	27.2		
34 years.....	3 547	16	22	65	35	67	87	74	1 544	231	368	106	565	389	12.9	69.7	46.1	26.3		
<b>35 to 39 years</b> .....	18 437	60	175	273	255	282	425	376	6 057	1 336	1 771	664	2 648	2 115	13.2	68.6	51.9	29.0		
35 years.....	3 582	15	34	63	58	67	103	78	1 375	324	404	121	560	383	13.0	68.4	50.0	26.3		
36 years.....	3 509	8	29	57	53	58	80	65	1 269	261	406	149	578	457	13.4	68.5	52.8	29.4		
37 years.....	3 130	8	33	53	55	59	68	66	1 096	242	312	169	530	440	13.5	68.1	54.1	31.0		
38 years.....	3 102	17	38	51	47	59	82	75	1 152	245	320	136	482	419	13.1	68.1	51.0	28.4		
39 years.....	3 115	16	41	50	42	39	91	74	1 145	266	327	88	520	416	13.2	68.7	51.9	30.1		
<b>40 to 44 years</b> .....	14 250	66	123	295	297	283	404	390	5 375	966	1 410	549	2 064	2 008	13.0	67.0	49.2	26.6		
40 years.....	3 110	9	20	61	37	57	78	60	1 178	167	308	165	483	441	13.2	68.1	51.2	29.7		
41 years.....	3 102	18	27	41	48	65	95	100	1 135	236	322	117	457	442	13.1	67.4	50.6	29.0		
42 years.....	3 144	-	24	64	62	60	96	74	1 153	241	326	111	495	445	13.2	68.2	51.8	29.9		
43 years.....	2 505	28	24	71	63	65	77	68	986	149	229	82	303	361	12.9	64.2	44.6	26.5		
44 years.....	2 389	13	27	58	66	38	70	66	925	164	223	75	326	317	12.9	65.0	46.2	26.9		
<b>45 to 49 years</b> .....	11 458	55	146	309	345	336	459	322	4 734	672	973	330	1 404	1 372	12.6	62.8	41.5	24.2		
45 years.....	2 397	12	27	62	75	67	75	55	964	159	234	60	316	291	12.9	64.5	44.3	25.4		
46 years.....	2 589	13	29	63	78	60	113	56	996	171	247	83	321	357	12.9	64.0	45.6	26.2		
47 years.....	2 313	5	34	61	57	78	100	78	960	101	182	66	266	327	12.6	62.2	40.7	25.6		
48 years.....	2 116	9	20	53	75	69	92	77	923	113	155	65	268	199	12.7	61.4	37.6	22.0		
49 years.....	2 041	16	36	71	60	64	79	56	892	128	156	55	231	198	12.7	61.4	37.7	21.0		
<b>50 to 54 years</b> .....	9 769	49	115	353	429	351	442	373	4 068	562	710	234	1 040	944	12.7	78.2	36.1	20.5		
50 years.....	2 100	7	30	45	90	79	113	69	888	116	166	58	229	211	12.7	79.4	37.1	21.0		
51 years.....	1 915	13	21	66	73	50	91	75	821	111	126	41	238	198	12.7	80.2	37.3	22.6		
52 years.....	1 836	6	15	62	66	77	87	71	815	107	118	36	185	170	12.6	78.0	33.6	19.3		
53 years.....	1 973	13	26	79	82	80	99	82	817	114	152	50	205	174	12.8	78.6	35.2	19.2		
54 years.....	1 845	9	23	60	98	65	83	76	726	114	147	49	163	190	12.7	76.4	37.0	20.2		
<b>55 to 59 years</b> .....	9 307	54	154	395	557	322	516	381	3 895	431	623	207	868	904	12.6	74.4	32.6	19.0		
55 years.....	1 779	12	30	52	116	69	97	82	706	79	119	37	201	176	12.6	74.2	34.4	21.2		
56 years.....	1 946	7	38	80	116	72	103	52	858	93	127	54	170	174	12.6	75.9	31.8	17.7		
57 years.....	1 803	9	21	91	107	73	122	73	754	83	141	28	153	149	12.5	72.5	30.7	16.7		
58 years.....	1 634	18	36	80	96	50	120	78	741	97	126	44	158	190	12.6	73.9	33.5	19.0		
59 years.....	1 945	7	30	92	121	58	73	94	836	76	111	44	185	215	12.6	75.5	32.5	20.5		
<b>60 to 64 years</b> .....	9 510	66	225	485	680	425	614	418	3 834	438	637	237	801	651	12.5	69.4	29.1	15.3		
60 years.....	1 977	7	41	94	138	89	91	80	855	82	132	48	172	149	12.5	72.7	29.5	18.2		
61 years.....	1 907	13	30	86	140	71	134	63	782	101	117	47	202	121	12.5	71.9	30.9	18.9		
62 years.....	1 842	14	46	103	134	93	123	89	701	75	131	55	135	144	12.5	67.4	29.3	15.2		
63 years.....	1 850	10	51	86	127	84	135	83	752	85	122	48	169	99	12.5	68.8	26.2	14.5		
64 years.....	1 834	22	57	117	142	88	132	102	744	95	138	41	123	136	12.4	65.9	27.4	13.4		
<b>65 years and over</b> .....	26 001	244	784	2 172	3 625	1 371	1 605	1 150	9 078	1 006	1 411	509	1 763	1 283	12.2	57.9	23.0	11.7		

See footnote at end of table.







Table 2. Years of School Completed by Persons 15 Years Old and Over, by Single Year of Age, Sex, Race, and Hispanic Origin: March 1989—Con.

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent completed—				
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		4 years of high school or more	1 or more years of college	4 or more years of college		
<b>WHITE—Con.</b>																				
<b>Male—Con.</b>																				
55 to 59 years	4 469	32	93	193	289	137	210	161	1 672	201	268	99	504	590	12.7	75.0	37.8	24.5		
55 years	897	12	23	26	58	22	35	30	314	38	61	20	123	126	12.6	76.9	41.5	28.0		
56 years	898	3	15	36	64	35	39	29	369	44	49	12	92	111	12.6	75.4	34.3	22.8		
57 years	834	6	12	50	48	35	62	26	305	31	60	17	61	99	12.6	71.2	34.6	21.6		
58 years	907	7	24	40	57	22	42	33	338	51	65	22	98	107	12.7	75.2	37.9	22.8		
59 years	944	2	19	41	62	23	32	45	346	36	52	26	110	147	12.7	76.3	39.6	27.3		
60 to 64 years	4 481	26	130	268	389	211	281	168	1 430	202	330	115	518	417	12.5	67.5	35.4	20.9		
60 years	936	6	20	58	76	35	42	31	325	44	75	25	103	86	12.6	71.2	36.5	21.2		
61 years	960	3	18	47	74	27	75	21	304	45	57	26	117	78	12.6	70.3	36.2	21.6		
62 years	672	7	24	60	69	40	60	37	261	37	72	25	90	81	12.5	64.9	34.9	19.6		
63 years	836	-	27	35	63	44	51	45	263	34	66	21	122	64	12.6	68.3	36.8	22.3		
64 years	925	10	41	68	86	54	53	35	277	42	60	17	64	99	12.4	62.6	32.7	18.6		
65 years and over	10 798	105	389	989	1 472	555	654	513	3 321	382	622	205	678	714	12.2	56.7	25.9	14.7		
<b>Female</b>																				
Total, 15 years and over	64 036	374	964	2 725	4 411	3 941	4 679	3 983	33 997	5 702	6 902	2 592	6 705	5 060	12.6	74.9	34.5	18.4		
15 to 17 years	4 020	5	2	136	594	1 359	1 187	671	52	7	3	-	-	-	9.9	74.9	1.6	-		
15 years	1 279	-	-	95	453	686	34	3	1	-	-	-	-	-	9.1	-	.1	-		
16 years	1 325	-	-	23	84	533	632	34	10	-	-	-	-	-	10.0	-	.7	-		
17 years	1 416	5	-	20	47	138	521	634	42	6	3	-	-	-	11.0	3.6	.6	-		
18 years and over	60 015	369	962	2 587	3 817	2 582	3 492	3 311	33 945	5 695	6 899	2 592	6 705	5 060	12.7	76.6	36.2	17.2		
18 and 19 years	3 033	2	2	31	40	105	166	686	1 525	430	41	2	-	-	12.3	65.9	15.6	-		
18 years	1 491	2	2	19	21	58	107	556	694	22	9	-	-	-	12.0	46.6	2.1	-		
19 years	1 541	-	-	12	19	47	60	132	830	408	32	2	-	-	12.6	82.5	26.7	-		
20 years and over	76 982	367	959	2 555	3 777	2 477	3 325	2 623	32 420	5 265	6 858	2 590	6 705	5 060	12.7	79.1	37.0	17.9		
20 to 24 years	7 658	17	31	110	141	190	254	234	3 080	929	1 123	615	625	110	12.9	67.2	47.0	12.2		
20 years	1 482	4	4	23	26	37	54	67	571	345	332	15	4	-	12.9	85.5	48.9	.2		
21 years	1 532	5	7	12	36	44	51	40	623	161	323	175	25	9	12.9	67.3	46.6	2.2		
22 years	1 508	4	1	16	32	32	48	44	608	140	155	203	213	11	12.9	68.2	47.9	14.9		
23 years	1 526	4	6	35	21	42	55	46	662	113	122	125	247	47	12.6	66.1	42.6	19.2		
24 years	1 606	-	11	21	26	34	46	37	616	146	191	97	336	43	13.1	68.9	50.6	23.5		
25 years and over	69 325	350	926	2 446	3 637	2 287	3 071	2 389	29 340	4 337	5 736	1 975	7 860	4 950	12.7	76.2	35.9	18.5		
25 to 29 years	6 947	17	53	138	149	229	279	267	3 782	634	837	293	1 583	566	12.9	67.1	44.9	24.0		
25 years	1 739	3	14	26	47	27	53	64	730	126	169	75	302	102	12.9	66.5	44.6	23.3		
26 years	1 752	2	7	9	14	63	71	74	731	116	201	62	305	97	12.9	66.3	44.5	22.9		
27 years	1 834	3	11	40	27	42	49	51	767	143	175	42	372	112	12.9	67.9	46.1	26.4		
28 years	1 834	7	6	22	24	45	59	54	775	131	192	58	321	139	12.9	66.1	45.9	25.1		
29 years	1 788	2	14	41	36	52	46	44	779	117	201	54	264	115	12.6	66.7	43.1	22.3		
30 to 34 years	9 117	31	45	132	129	187	243	216	3 682	679	896	309	1 468	777	12.9	69.2	46.6	24.6		
30 years	1 851	3	7	12	35	37	47	55	794	138	222	60	308	134	12.9	69.4	46.5	23.9		
31 years	1 865	7	9	31	36	41	47	43	798	147	189	70	312	135	12.9	68.5	45.7	24.0		
32 years	1 898	6	9	37	22	43	58	45	803	151	206	65	296	164	12.9	68.4	46.1	23.7		
33 years	1 671	4	12	33	19	29	51	32	703	112	174	55	295	163	12.9	69.2	47.2	26.6		
34 years	1 932	9	8	20	16	37	40	43	764	132	205	59	297	181	12.9	90.5	47.6	26.1		
35 to 39 years	6 201	30	87	111	110	128	229	191	3 345	718	855	302	1 233	862	13.0	69.2	46.4	25.6		
35 years	1 793	9	15	27	31	22	58	29	739	169	206	62	267	158	13.0	69.4	46.2	23.7		
36 years	1 703	-	16	17	26	26	32	46	679	121	227	78	233	203	13.1	90.4	50.6	25.6		
37 years	1 551	3	19	24	17	30	42	34	566	148	154	72	255	156	13.1	69.2	50.6	26.5		
38 years	1 565	6	17	23	18	29	39	36	669	143	147	55	210	166	12.9	69.0	46.2	24.1		
39 years	1 589	10	21	20	19	22	56	44	661	137	118	36	268	178	12.9	67.9	46.4	26.1		

See footnote at end of table.

**Table 2. Years of School Completed by Persons 15 Years Old and Over, by Single Year of Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent completed—		
			1-4 years	5-7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		4 years of high school or more	1 or more years of college	4 or more years of college
<b>WHITE—Con.</b>																		
<b>Female—Con.</b>																		
40 to 44 years .....	7 200	28	81	134	145	73	235	196	3 030	555	682	257	839	765	12.9	86.5	44.4	23.7
40 years .....	1 599	1	10	27	17	39	54	45	637	106	154	79	229	196	13.0	87.9	48.1	26.7
41 years .....	1 472	6	17	21	14	30	41	64	628	139	129	43	176	160	12.9	86.7	44.1	22.9
42 years .....	1 563	-	13	23	27	39	48	32	680	133	164	45	203	158	12.9	86.4	44.9	23.1
43 years .....	1 308	12	12	35	41	39	54	27	554	88	111	48	163	124	12.8	83.2	40.8	22.0
44 years .....	1 257	8	8	28	46	26	37	30	531	87	124	41	166	125	12.6	85.4	43.2	23.1
45 to 49 years .....	5 823	16	73	144	173	173	253	189	2 819	340	474	189	651	549	12.7	82.5	37.5	20.6
45 years .....	1 195	3	16	25	36	29	47	25	516	63	112	35	148	119	12.6	84.8	41.5	22.2
46 years .....	1 269	2	19	32	39	32	63	30	557	73	115	41	136	151	12.8	83.3	40.1	22.4
47 years .....	1 186	5	9	31	36	43	58	48	532	59	87	31	134	112	12.7	80.8	36.7	20.6
48 years .....	1 110	3	7	20	35	43	51	51	514	63	76	36	122	88	12.7	81.1	34.8	18.9
49 years .....	1 042	3	23	36	26	25	35	35	496	62	85	25	110	79	12.7	82.4	34.6	18.1
50 to 54 years .....	4 946	26	57	184	200	182	243	201	2 297	320	359	111	452	315	12.6	77.9	31.5	15.5
50 years .....	1 016	5	14	20	40	44	55	35	485	58	73	30	88	68	12.6	79.1	31.3	15.4
51 years .....	965	4	12	36	34	22	44	47	454	54	76	18	98	65	12.6	79.2	32.1	16.6
52 years .....	958	2	4	46	34	33	42	28	486	72	61	14	89	66	12.6	80.3	31.6	16.3
53 years .....	1 019	10	15	43	34	40	51	45	487	70	70	26	93	55	12.6	76.7	30.9	14.5
54 years .....	968	5	12	37	56	43	51	46	424	65	79	23	84	61	12.6	74.4	31.5	14.6
55 to 59 years .....	4 838	22	61	202	267	185	306	220	2 223	230	335	108	363	314	12.5	73.9	27.9	14.0
55 years .....	991	-	7	27	58	47	82	53	382	41	58	17	78	51	12.5	71.5	27.4	14.5
56 years .....	1 048	5	23	44	52	36	84	24	486	50	77	43	79	63	12.6	76.3	29.7	13.5
57 years .....	999	2	9	40	59	37	80	48	449	52	80	11	72	50	12.5	73.7	27.4	12.5
58 years .....	928	11	12	41	39	28	78	45	403	46	61	22	60	63	12.5	72.7	29.2	15.4
59 years .....	1 002	5	11	51	60	35	41	50	490	42	59	16	74	67	12.5	74.8	26.6	14.2
60 to 64 years .....	5 049	40	95	216	311	214	333	249	2 405	236	307	122	265	234	12.4	71.1	23.4	10.3
60 years .....	1 039	1	21	35	60	54	49	49	530	38	57	23	69	53	12.5	74.1	23.1	11.7
61 years .....	1 017	9	12	40	66	44	59	42	479	57	61	21	85	44	12.5	73.3	26.2	12.7
62 years .....	970	7	22	43	65	43	63	52	440	39	59	30	45	64	12.4	69.8	24.3	11.2
63 years .....	1 015	10	24	51	65	40	84	38	489	51	55	25	47	36	12.4	69.2	21.1	8.1
64 years .....	1 009	13	16	49	56	34	78	67	487	53	75	24	39	36	12.4	68.9	22.6	7.6
65 years and over .....	15 204	139	396	1 183	2 153	618	951	637	5 757	625	788	304	885	569	12.2	58.7	20.9	9.6
<b>BLACK</b>																		
<b>Both Sexes</b>																		
Total, 15 years and over .....	21 595	172	713	1 368	1 200	1 486	1 798	1 667	7 879	1 271	1 651	518	1 347	728	12.3	81.1	25.5	9.6
15 to 17 years .....	1 812	4	-	159	331	469	403	224	17	4	-	-	-	-	9.7	1.3	.2	-
15 years .....	506	1	-	118	195	178	17	-	3	-	-	-	-	-	6.7	.8	-	-
16 years .....	502	-	-	40	92	181	161	6	-	4	-	-	-	-	9.7	.7	.7	-
17 years .....	601	3	-	4	44	113	206	218	14	-	-	-	-	-	10.7	2.4	-	-
18 years and over .....	19 984	168	713	1 208	869	1 016	1 395	1 443	7 662	1 267	1 651	518	1 347	728	12.4	65.9	27.6	10.4
18 and 19 years .....	1 072	-	-	16	18	77	119	291	426	110	13	-	-	-	12.0	51.2	11.4	-
18 years .....	598	-	-	13	2	62	63	221	205	9	3	-	-	-	11.6	36.3	2.0	-
19 years .....	474	-	-	5	16	15	36	70	221	100	10	-	-	-	12.4	70.1	23.4	-
20 years and over .....	18 912	168	713	1 191	851	939	1 278	1 153	7 235	1 158	1 638	518	1 347	728	12.4	66.7	28.5	11.0
20 to 24 years .....	2 517	11	6	21	44	90	141	178	1 247	274	251	110	143	3	12.6	80.5	31.0	5.6
20 years .....	471	-	-	5	14	22	41	38	229	71	49	2	-	-	12.5	74.8	28.0	-
21 years .....	430	-	-	-	-	17	21	22	239	67	31	24	9	-	12.6	66.0	30.3	2.0
22 years .....	477	2	-	3	7	11	16	44	219	48	63	39	26	-	12.7	62.8	36.9	5.5
23 years .....	565	-	6	9	5	22	39	34	294	37	56	13	49	-	12.6	79.7	27.8	8.6
24 years .....	575	9	-	4	19	17	25	39	266	50	52	32	59	3	12.7	80.2	33.9	10.7

See footnote at end of table.

Table 2. Years of School Completed by Persons 15 Years Old and Over, by Single Year of Age, Sex, Race, and Hispanic Origin: March 1989—Con.

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent completed—		
			1-4 years	5-7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		4 years of high school or more	1 or more years of college	4 or more years of college
<b>BLACK—Con.</b>																		
<b>Both Sexes—Con.</b>																		
25 years and over	16 395	157	706	1 189	807	649	1 134	976	5 988	894	1 387	408	1 204	725	12.4	64.6	26.1	11.6
25 to 29 years	2 726	12	2	14	50	101	130	178	1 298	200	307	90	272	74	12.7	62.2	34.6	12.7
25 years	514	2	-	-	19	30	28	43	235	36	55	13	49	4	12.6	76.2	30.5	10.2
26 years	552	-	2	5	6	26	32	16	274	30	71	11	61	11	12.7	83.1	33.3	13.0
27 years	544	-	-	5	14	9	28	30	250	39	70	17	51	26	12.7	83.9	37.9	14.6
28 years	579	5	-	1	8	24	22	40	268	52	46	25	71	19	12.7	82.9	36.7	15.5
29 years	537	5	-	2	1	10	20	45	270	43	65	24	41	12	12.7	84.6	34.3	9.6
30 to 34 years	2 662	9	12	24	38	102	135	132	1 173	214	368	64	262	89	12.7	63.0	39.0	14.0
30 years	528	2	-	2	6	13	23	33	229	53	65	12	56	12	12.6	64.5	41.2	12.9
31 years	585	4	3	1	7	24	32	27	271	45	76	11	59	22	12.7	63.2	36.6	13.1
32 years	524	3	1	9	5	26	22	23	226	33	76	21	49	29	12.6	62.7	39.6	14.6
33 years	499	-	3	2	2	13	34	28	205	42	67	22	51	6	12.6	63.2	42.2	11.9
34 years	527	-	4	9	16	24	24	21	243	42	42	16	67	19	12.7	61.5	35.5	16.3
35 to 39 years	2 201	2	11	46	40	74	132	129	938	154	227	65	235	147	12.7	60.3	37.6	17.4
35 years	442	-	3	10	2	13	33	23	195	34	52	6	36	32	12.7	61.1	37.1	15.6
36 years	477	-	6	5	11	11	16	26	229	38	35	6	56	33	12.7	64.0	35.9	16.7
37 years	410	-	-	1	6	11	25	35	173	31	60	17	28	22	12.7	60.9	36.6	12.3
38 years	432	2	-	13	7	22	37	24	160	29	46	6	52	33	12.7	75.7	36.7	19.6
39 years	440	-	3	16	14	16	21	21	162	21	33	24	63	26	12.7	79.4	38.1	20.2
40 to 44 years	1 699	5	6	73	54	63	116	97	671	96	183	66	142	127	12.6	75.6	36.1	15.6
40 years	371	1	-	11	7	25	19	13	169	19	46	8	25	26	12.6	79.5	34.0	13.6
41 years	374	-	-	7	9	12	27	23	144	29	59	19	24	22	12.6	79.4	41.0	12.2
42 years	306	-	-	15	5	4	22	26	104	13	31	24	45	16	12.6	76.2	41.4	20.4
43 years	285	2	-	10	6	12	31	19	124	20	24	11	12	13	12.5	71.7	26.3	6.6
44 years	361	2	6	30	25	11	17	16	131	15	21	3	36	46	12.6	70.3	34.2	23.3
45 to 49 years	1 349	2	15	80	64	75	129	62	507	54	65	37	111	69	12.4	65.5	27.9	14.8
45 years	254	-	8	4	16	6	16	14	93	13	17	16	16	34	12.7	73.9	37.5	19.7
46 years	273	2	-	6	12	19	20	22	115	9	21	7	30	6	12.5	69.7	27.4	13.9
47 years	267	-	2	23	16	6	21	23	119	12	12	9	21	20	12.4	67.3	25.7	14.4
48 years	211	-	-	20	15	19	31	7	73	6	9	2	14	15	12.2	66.7	22.1	13.9
49 years	324	-	4	24	24	25	39	16	107	15	26	3	30	12	12.3	59.3	26.4	12.6
50 to 54 years	1 216	12	45	128	70	73	138	91	414	61	45	35	40	64	12.1	54.2	20.1	6.5
50 years	235	-	1	20	15	2	20	26	67	17	9	12	6	18	12.4	64.0	27.0	11.1
51 years	270	5	6	30	10	10	43	11	94	15	15	5	6	16	12.2	57.4	22.6	9.7
52 years	246	-	10	26	16	17	29	24	65	12	5	3	7	11	12.0	49.7	15.2	6.9
53 years	254	-	7	21	23	37	27	13	76	10	9	6	11	11	11.9	49.4	16.6	6.6
54 years	210	7	21	30	4	6	20	17	69	6	7	9	6	5	12.0	50.1	17.0	5.4
55 to 59 years	1 066	16	75	116	74	61	99	75	345	42	57	12	45	50	12.0	50.5	16.9	6.7
55 years	191	6	16	20	6	7	19	4	70	5	9	4	14	7	12.2	56.9	20.1	10.9
56 years	249	4	16	22	11	13	16	12	100	15	14	6	8	8	12.3	61.4	21.2	6.6
57 years	206	4	16	23	23	16	20	16	50	6	9	1	4	13	11.0	41.1	16.6	6.0
58 years	214	2	21	30	12	17	19	16	62	7	9	-	6	9	11.3	44.0	15.0	7.3
59 years	226	-	4	22	19	27	24	22	62	7	15	-	12	13	11.6	46.1	20.6	11.0
60 to 64 years	1 016	23	63	154	69	111	99	77	255	28	58	9	26	24	10.7	39.4	14.3	5.0
60 years	209	3	5	33	11	24	29	17	60	10	9	-	2	6	11.0	41.4	12.9	3.7
61 years	236	16	26	27	21	26	26	23	53	-	11	3	4	3	10.2	31.1	6.9	3.0
62 years	196	3	16	30	5	16	20	10	48	7	11	3	13	9	11.4	46.6	21.9	11.2
63 years	196	1	16	45	13	26	11	9	46	9	9	3	4	6	9.9	36.7	15.6	5.0
64 years	177	-	19	20	19	16	12	16	49	1	17	1	3	-	11.1	41.1	13.4	2.0
65 years and over	2 436	74	458	535	329	169	155	117	366	35	57	9	51	62	6.5	24.6	6.7	4.6

See footnote at end of table



Table 2. Years of School Completed by Persons 15 Years Old and Over, by Single Year of Age, Sex, Race, and Hispanic Origin: March 1989—Con.

[Numbers in thousands. Noninstitutional population]

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent completed—			
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		4 years of high school or more	1 or more years of college	4 or more years of college	
<b>BLACK—Con.</b>																			
<b>Male—Con.</b>																			
55 to 59 years	484	8	37	48	40	30	37	29	165	10	31	2	23	27	12.1	53.5	19.4	10.3	
55 years	83	-	8	10	8	3	10	2	32	1	6	-	3	1	12.1	52.0	13.6	5.7	
56 years	110	4	8	10	7	2	10	-	49	5	7	1	1	7	12.3	63.6	18.9	7.3	
57 years	99	-	12	14	9	5	6	13	22	2	6	1	2	7	11.3	41.1	16.6	9.4	
58 years	96	2	8	9	11	6	9	4	32	2	6	-	4	4	11.9	49.6	16.9	8.7	
59 years	94	-	2	2	7	14	2	10	30	-	7	-	12	7	12.3	60.0	28.3	20.4	
60 to 64 years	458	18	49	61	27	60	21	25	130	18	13	4	21	10	10.6	42.6	14.4	6.8	
60 years	95	3	5	16	7	6	7	5	31	7	3	-	1	4	11.7	48.3	15.6	5.6	
61 years	113	16	17	8	11	13	7	-	35	-	1	-	4	-	9.3	35.7	4.7	3.4	
62 years	95	-	12	11	-	16	4	9	7	3	5	-	11	2	11.5	45.5	21.7	13.7	
63 years	81	-	10	15	2	14	1	4	20	7	-	3	2	4	9.9	43.3	16.7	7.0	
64 years	74	-	4	11	6	11	3	7	21	1	4	1	3	-	(B)	(B)	(B)	(B)	
65 years and over	961	33	223	225	122	57	47	57	145	8	24	5	12	23	8.1	22.1	7.3	3.6	
<b>Female</b>																			
Total, 15 years and over	11 766	78	344	711	567	802	1 079	865	4 258	732	907	276	768	402	12.3	62.3	26.2	9.9	
15 to 17 years	793	4	-	56	114	233	235	135	15	-	-	-	-	-	10.0	1.9	-	-	
15 years	245	1	-	47	75	107	12	-	3	-	-	-	-	-	9.0	1.3	-	-	
16 years	230	-	-	10	33	79	105	4	-	-	-	-	-	-	9.9	-	-	-	
17 years	316	3	-	-	5	48	118	132	12	-	-	-	-	-	10.9	3.7	-	-	
18 years and over	10 994	72	344	855	453	569	644	729	4 243	732	907	276	768	402	12.4	66.7	28.1	10.6	
18 and 19 years	555	-	-	8	13	23	42	149	254	58	8	-	-	-	12.2	57.6	11.9	-	
18 years	303	-	-	3	-	17	28	122	132	2	-	-	-	-	11.9	44.0	.5	-	
19 years	252	-	-	5	13	6	15	27	122	57	8	-	-	-	12.5	73.8	25.6	-	
20 years and over	10 438	72	344	647	440	545	602	580	3 999	674	899	276	768	402	12.4	67.1	26.9	11.2	
20 to 24 years	1 359	2	-	11	12	49	100	79	657	144	143	69	90	2	12.6	61.4	33.0	6.8	
20 years	241	-	-	2	6	17	31	9	107	38	28	2	-	-	12.5	72.4	28.2	-	
21 years	247	-	-	-	-	10	20	6	137	37	21	14	4	-	12.8	65.8	30.5	1.6	
22 years	273	-	-	-	3	6	10	22	123	30	35	29	15	-	12.8	85.0	40.0	5.5	
23 years	284	-	-	4	-	8	21	21	147	18	30	4	33	-	12.6	81.1	29.2	11.7	
24 years	313	2	-	4	2	8	18	22	144	23	29	21	38	2	12.7	81.9	36.1	12.8	
25 years and over	9 080	70	344	637	428	496	702	501	3 332	530	756	208	676	399	12.4	65.0	28.3	11.9	
25 to 26 years	1 468	2	2	10	18	52	75	84	712	118	181	42	153	42	12.7	63.8	35.1	13.3	
25 years	266	2	-	-	8	17	17	23	117	27	26	8	24	2	12.8	75.9	31.7	9.8	
26 years	291	-	2	5	4	16	15	4	149	18	31	10	32	6	12.7	64.2	32.9	12.8	
27 years	310	-	-	1	4	4	21	19	141	22	41	6	37	14	12.7	84.1	38.6	16.5	
28 years	298	-	-	1	2	7	15	17	141	26	23	12	40	14	12.6	85.9	38.7	18.3	
29 years	303	-	-	2	-	8	8	21	184	25	41	8	21	8	12.7	87.1	33.2	8.7	
30 to 34 years	1 434	5	9	13	20	54	73	47	812	122	207	42	189	60	12.8	64.6	41.9	16.0	
30 years	248	2	-	-	6	10	8	7	99	20	52	7	33	6	12.9	67.0	47.3	15.8	
31 years	343	3	3	1	7	15	18	11	133	29	50	4	48	21	12.8	63.0	44.2	19.9	
32 years	273	-	1	-	3	11	14	5	113	19	49	11	29	17	12.9	67.3	45.6	17.1	
33 years	273	-	3	2	-	5	14	14	131	26	37	16	19	8	12.8	66.1	38.3	9.7	
34 years	296	-	1	9	4	14	18	10	136	30	19	4	41	8	12.7	60.3	34.5	16.5	
35 to 39 years	1 207	-	4	20	16	36	83	68	515	97	119	34	134	82	12.7	61.3	36.6	17.9	
35 years	232	-	3	5	2	10	18	11	96	25	29	5	12	16	12.7	78.6	37.4	12.0	
36 years	251	-	-	3	8	1	10	18	114	24	19	6	34	17	12.6	85.0	39.8	20.4	
37 years	232	-	-	-	1	7	19	13	105	19	26	9	21	12	12.7	82.9	37.7	14.2	
38 years	257	-	-	7	-	13	22	14	96	16	36	-	33	21	12.8	78.4	41.3	21.0	
39 years	235	-	1	5	5	6	13	15	105	12	10	15	34	18	12.7	61.1	36.5	21.1	

See footnote at end of table.

**Table 2. Years of School Completed by Persons 15 Years Old and Over, by Single Year of Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent completed—			
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		4 years of high school or more	1 or more years of college	4 or more years of college	
<b>BLACK—Con.</b>																			
<b>Female—Con.</b>																			
40 to 44 years .....	923	2	5	36	24	46	71	50	385	56	103	18	75	53	12.6	74.8	33.1	13.9	
40 years .....	212	-	-	7	3	17	11	9	108	12	24	2	13	5	12.5	77.8	26.8	8.8	
41 years .....	193	-	-	5	2	10	14	5	77	13	39	6	12	9	12.8	80.6	41.1	10.9	
42 years .....	167	-	-	7	4	3	15	16	69	6	13	5	15	11	12.6	73.5	32.2	17.7	
43 years .....	166	2	-	3	-	8	19	10	74	15	13	4	11	6	12.5	74.4	29.5	10.4	
44 years .....	186	-	5	14	14	7	12	10	57	11	13	1	20	22	12.5	66.7	35.6	22.6	
45 to 49 years .....	760	2	8	43	38	42	77	48	308	27	36	28	50	52	12.4	66.1	25.6	13.5	
45 years .....	145	-	3	3	-	-	14	11	57	7	6	13	7	24	12.7	78.4	39.4	21.1	
46 years .....	153	-	2	4	6	7	14	13	64	3	10	4	25	1	12.5	70.2	28.5	17.0	
47 years .....	169	-	2	17	16	5	18	10	61	9	6	8	8	6	12.3	63.5	20.5	8.5	
48 years .....	115	-	-	9	8	12	24	3	40	2	3	2	2	10	12.1	51.6	17.0	10.3	
49 years .....	158	-	3	10	9	16	7	10	66	6	11	1	9	9	12.3	64.4	22.4	11.5	
50 to 54 years .....	670	2	9	43	32	52	75	46	254	42	27	23	31	35	12.3	61.3	23.4	9.7	
50 years .....	130	-	-	11	9	2	10	14	49	3	9	9	3	9	12.4	63.7	25.6	9.3	
51 years .....	149	2	2	10	5	3	29	3	56	13	5	5	5	11	12.4	64.2	26.2	10.7	
52 years .....	141	-	3	3	7	17	13	12	57	10	4	2	6	7	12.3	60.6	20.5	9.1	
53 years .....	145	-	-	11	9	24	14	7	47	9	2	3	11	7	12.1	54.2	22.0	12.4	
54 years .....	105	-	2	7	2	6	9	10	45	7	7	4	6	-	12.4	65.3	22.8	5.7	
55 to 59 years .....	604	11	38	70	35	51	62	46	180	31	26	10	22	23	11.6	48.2	18.5	7.4	
55 years .....	106	6	8	8	2	4	9	2	39	4	3	4	11	5	12.3	60.6	25.0	14.8	
56 years .....	139	-	9	11	4	11	6	12	51	10	7	6	7	1	12.3	59.7	23.0	6.0	
57 years .....	106	4	7	9	15	11	14	5	26	5	4	-	1	6	10.7	41.0	15.2	6.7	
58 years .....	116	-	13	20	2	12	11	14	30	5	3	-	2	5	11.1	39.3	13.4	6.2	
59 years .....	133	-	2	20	12	13	21	12	32	7	6	-	-	6	10.9	39.7	15.5	4.3	
60 to 64 years .....	560	5	35	93	41	51	78	52	126	10	45	6	5	14	10.7	36.7	14.2	3.5	
60 years .....	114	-	-	17	4	18	23	12	28	3	7	-	-	2	10.6	35.6	10.7	2.2	
61 years .....	125	-	6	16	10	12	19	23	18	-	10	3	-	3	10.7	26.9	12.6	2.6	
62 years .....	101	3	7	19	4	1	17	1	26	4	6	3	2	7	10.9	47.7	22.1	6.9	
63 years .....	117	1	6	30	11	12	10	5	26	2	9	-	2	2	9.9	35.5	13.4	3.6	
64 years .....	103	-	14	9	12	7	9	10	28	-	13	-	-	-	11.0	40.4	13.1	.5	
65 years and over .....	1 455	41	235	310	208	111	106	60	241	27	32	4	39	36	6.7	26.3	9.7	5.3	
<b>HISPANIC ORIGIN<sup>1</sup></b>																			
<b>Both Sexes</b>																			
Total, 15 years and over .....	14 057	376	996	1 912	1 104	1 031	1 006	672	3 689	627	797	362	696	387	11.7	46.1	20.4	7.7	
15 to 17 years .....	995	4	7	101	219	266	256	111	10	-	-	-	-	-	9.6	1.0	-	-	
15 years .....	338	-	5	67	138	113	9	3	1	-	-	-	-	-	6.7	.4	-	-	
16 years .....	313	-	-	15	57	118	119	4	2	-	-	-	-	-	9.7	.6	-	-	
17 years .....	344	4	1	19	24	58	128	104	6	-	-	-	-	-	10.5	1.7	-	-	
18 years and over .....	13 061	371	989	1 811	885	743	752	762	3 679	627	797	362	696	387	12.1	51.7	22.0	8.3	
18 and 19 years .....	730	2	6	59	35	54	89	196	245	40	1	-	-	-	11.6	39.8	6.1	-	
18 years .....	367	2	2	30	15	26	56	125	103	7	-	-	-	-	11.4	30.0	1.8	-	
19 years .....	363	-	-	29	20	28	34	71	142	33	4	-	-	-	12.0	49.3	10.3	-	
20 years and over .....	12 331	369	983	1 752	850	690	663	566	3 634	587	793	362	696	387	12.1	52.4	22.9	8.8	
20 to 24 years .....	1 893	12	68	181	104	138	139	102	727	178	125	65	48	6	12.3	60.7	22.3	2.8	
20 years .....	354	4	7	35	15	34	23	29	141	44	22	1	-	-	12.2	58.8	16.9	-	
21 years .....	297	-	19	14	16	15	26	18	112	42	24	9	-	-	12.4	63.2	25.4	-	
22 years .....	400	5	15	41	13	37	33	21	155	37	26	10	6	-	12.2	58.9	20.0	1.6	
23 years .....	467	2	14	65	38	33	35	19	168	32	20	19	20	4	12.2	56.4	20.4	5.3	
24 years .....	376	3	13	26	26	18	21	14	151	23	34	25	21	1	12.4	67.9	27.7	6.0	

See footnote at end of table.

**Table 2. Years of School Completed by Persons 15 Years Old and Over, by Single Year of Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, and Hispanic origin	Total	None	Elementary			High school				College					Median years of school completed	Percent completed—		
			1 - 4 years	5 - 7 years	8 years	1 year	2 years	3 years	4 years	1 year	2 years	3 years	4 years	5 or more years		4 years of high school or more	1 or more years of college	4 or more years of college
<b>HISPANIC ORIGIN<sup>1</sup>—Con.</b>																		
<b>Both Sexes—( n.</b>																		
25 years and over .....	10 438	357	815	1 571	746	551	524	464	2 907	409	667	297	648	382	12.0	50.9	23.0	9.9
25 to 29 years .....	2 152	27	89	234	94	148	130	119	731	123	161	82	152	65	12.3	61.0	27.0	10.1
25 years .....	482	1	19	36	30	23	41	26	157	37	30	25	26	11	12.3	61.9	27.8	7.9
26 years .....	455	9	14	44	9	30	36	28	167	21	41	5	42	7	12.3	62.3	25.6	10.7
27 years .....	393	6	16	43	15	21	19	21	146	18	32	23	22	9	12.4	63.7	26.6	8.0
28 years .....	427	7	6	55	16	26	22	30	122	34	33	20	26	27	12.4	61.7	33.2	12.9
29 years .....	416	4	30	57	24	46	13	13	139	13	25	6	34	11	12.2	65.4	21.9	10.8
30 to 34 years .....	1 816	32	93	255	103	100	80	88	530	104	150	66	140	75	12.3	58.6	29.4	11.8
30 years .....	406	8	25	38	44	22	11	17	115	35	33	14	33	13	12.3	59.9	31.6	11.4
31 years .....	392	2	20	70	20	17	15	17	117	21	35	17	30	11	12.3	58.7	28.6	10.3
32 years .....	399	7	15	63	13	29	33	19	102	19	35	19	27	17	12.2	54.9	29.4	11.0
33 years .....	322	6	17	50	10	14	9	22	97	10	24	11	29	20	12.3	59.7	29.5	15.3
34 years .....	297	7	16	36	15	16	12	13	98	19	23	4	21	15	12.3	60.5	27.4	11.8
35 to 39 years .....	1 476	23	136	185	89	68	55	53	465	83	128	36	88	70	12.3	58.9	27.4	10.7
35 years .....	314	5	28	45	13	20	12	13	88	20	29	4	19	17	12.2	58.6	26.5	11.7
36 years .....	307	5	24	45	17	8	9	13	90	20	40	6	15	16	12.4	60.5	31.4	10.1
37 years .....	291	2	19	36	19	14	6	6	100	19	27	9	20	13	12.4	64.4	30.1	11.4
38 years .....	310	7	30	33	20	17	17	8	107	10	15	4	19	12	12.2	57.4	22.8	10.1
39 years .....	254	5	34	25	20	9	9	13	80	14	18	3	15	11	12.2	55.2	23.8	10.1
40 to 44 years .....	1 192	30	100	192	75	67	53	49	340	34	79	39	83	51	12.1	52.6	24.0	11.3
40 years .....	277	3	16	39	11	20	16	5	94	14	24	15	10	9	12.3	59.8	25.8	8.6
41 years .....	219	7	26	37	12	10	6	6	64	9	14	7	15	9	12.1	54.0	24.6	11.0
42 years .....	256	-	17	34	13	16	12	17	67	9	19	11	31	7	12.3	56.7	30.4	15.0
43 years .....	238	10	17	50	21	11	10	14	65	2	9	4	9	17	11.0	44.3	17.0	10.9
44 years .....	200	11	23	37	16	6	6	6	49	-	13	2	16	9	10.6	45.6	21.2	13.3
45 to 49 years .....	915	25	103	148	69	48	58	35	243	30	48	18	64	26	11.2	46.8	20.3	9.9
45 years .....	199	5	16	32	24	13	6	6	57	6	8	7	15	5	11.5	48.7	20.0	8.8
46 years .....	176	7	16	20	12	12	13	3	48	3	16	3	16	5	12.1	51.8	24.6	12.1
47 years .....	162	2	30	26	7	7	7	4	42	7	13	1	12	4	11.5	49.0	23.2	10.2
48 years .....	197	5	18	41	15	10	10	17	43	10	3	4	15	7	11.0	41.3	19.6	11.0
49 years .....	181	7	24	28	10	6	21	5	54	4	6	2	6	5	10.7	44.1	14.3	6.0
50 to 54 years .....	730	36	73	135	51	38	47	44	167	18	27	19	37	37	10.7	41.6	18.9	10.1
50 years .....	162	5	15	23	18	13	6	5	39	4	9	4	14	9	11.2	47.8	24.0	14.1
51 years .....	164	11	20	33	10	7	11	7	29	6	8	5	10	7	10.1	39.6	21.9	10.3
52 years .....	124	2	9	31	8	7	10	12	22	3	3	8	5	6	10.5	36.3	18.5	6.7
53 years .....	140	13	17	21	12	6	8	10	38	1	3	-	7	2	9.9	36.5	9.1	6.4
54 years .....	139	5	12	29	5	3	10	10	39	4	4	4	2	13	11.7	47.5	19.5	10.4
55 to 59 years .....	619	37	61	103	70	28	28	29	137	5	32	19	32	19	9.7	39.5	17.3	8.2
55 years .....	119	10	16	16	13	7	4	7	26	2	4	3	6	4	9.6	38.3	16.3	8.9
56 years .....	114	5	18	13	10	7	3	5	25	-	8	5	7	7	11.2	46.2	23.9	12.8
57 years .....	136	7	14	29	18	3	5	7	26	1	5	5	10	2	9.3	36.4	17.5	9.0
58 years .....	106	10	16	21	14	2	4	5	22	1	8	2	1	1	8.4	31.9	11.5	2.1
59 years .....	145	5	16	23	16	7	8	4	38	1	7	5	6	4	10.4	43.5	17.0	7.9
60 to 64 years .....	532	32	79	95	52	28	36	32	118	2	12	15	17	15	9.3	33.7	11.5	6.0
60 years .....	107	-	11	25	16	3	6	4	31	-	3	4	3	-	9.5	38.9	9.5	3.3
61 years .....	99	6	11	12	10	8	4	5	30	2	3	2	6	-	10.5	43.0	12.7	6.0
62 years .....	121	4	26	22	8	4	6	9	14	-	2	8	8	10	8.8	33.2	21.7	13.2
63 years .....	101	7	14	20	9	8	7	6	23	1	2	-	2	3	9.0	29.4	7.0	4.2
64 years .....	104	14	15	17	9	3	14	7	20	-	2	-	-	2	6.7	24.5	4.9	2.1
65 years and over .....	1 005	114	161	223	144	32	38	14	175	10	30	4	35	24	8.0	27.7	10.3	5.9

<sup>1</sup>Persons of Hispanic origin may be of any race.









**Table 3. Years of School Completed by Persons 15 Years Old and Over, by Marital Status, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Marital status, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>WHITE—Con.</b>											
<b>Female—Con.</b>											
65 years and over .....	15 204	535	1 183	2 153	2 404	5 757	1 717	685	569	58.7	9.6
Never married .....	3 413	45	51	79	108	243	64	94	69	63.4	23.7
Married, spouse present .....	6 270	105	388	710	884	2 732	807	424	241	67.0	10.6
Married, spouse absent .....	181	9	21	18	29	76	14	2	10	57.0	7.0
Separated .....	85	4	11	6	10	43	4	2	4	63.2	7.4
Widowed .....	7 311	358	683	1 251	1 302	2 461	733	328	194	50.8	7.1
Divorced .....	668	17	39	95	101	245	98	37	34	62.2	10.7
<b>BLACK</b>											
<b>Male</b>											
18 years and over .....	8 990	484	554	418	1 712	3 419	1 520	579	328	65.0	10.1
Never married .....	3 413	71	80	98	808	1 459	658	184	58	69.1	7.1
Married, spouse present .....	3 835	220	268	201	622	1 351	649	318	208	65.8	13.7
Married, spouse absent .....	584	51	73	40	98	196	67	23	16	53.4	6.6
Separated .....	488	35	63	34	97	179	51	18	9	53.1	5.7
Widowed .....	327	77	71	34	62	67	7	5	3	25.1	2.5
Divorced .....	851	45	61	45	123	346	140	49	42	67.8	10.7
18 to 24 years .....	1 675	16	21	37	451	783	335	53	-	68.7	3.2
Never married .....	1 492	9	21	29	440	663	288	41	-	68.6	2.6
Married, spouse present .....	143	6	-	6	10	70	39	11	-	84.6	7.9
Married, spouse absent .....	25	-	-	2	2	13	7	-	-	(B)	(B)
Separated .....	18	-	-	2	2	9	5	-	-	(B)	(B)
Widowed .....	-	-	-	-	-	-	-	-	-	(B)	(B)
Divorced .....	16	-	-	-	-	16	-	-	-	(B)	(B)
25 years and over .....	7 315	449	533	379	1 261	2 656	1 185	527	328	64.2	11.7
Never married .....	1 922	92	59	67	368	795	370	142	58	71.0	10.4
Married, spouse present .....	3 692	214	268	195	612	1 280	609	307	208	65.1	13.9
Married, spouse absent .....	540	51	73	38	98	183	60	23	16	52.1	7.1
Separated .....	468	35	63	32	95	170	48	18	9	52.2	5.9
Widowed .....	327	77	71	34	62	67	7	5	3	25.1	2.5
Divorced .....	835	45	61	45	123	330	140	49	42	67.2	10.9
25 to 34 years .....	2 487	17	15	52	390	1 147	572	232	61	60.9	11.8
Never married .....	1 247	14	8	37	234	524	296	110	23	76.5	10.7
Married, spouse present .....	948	3	5	11	120	446	217	111	35	65.5	15.5
Married, spouse absent .....	127	-	2	2	31	65	17	8	2	71.9	7.2
Separated .....	111	-	2	-	31	58	11	7	1	69.4	7.0
Widowed .....	7	-	-	-	-	7	-	-	-	(B)	(B)
Divorced .....	158	-	-	2	5	104	41	3	2	95.2	3.1
35 to 44 years .....	1 770	13	83	54	259	710	364	188	139	76.0	17.4
Never married .....	374	3	23	11	59	189	44	26	19	74.8	12.2
Married, spouse present .....	984	6	21	21	131	375	228	109	91	81.7	20.3
Married, spouse absent .....	145	4	13	4	24	51	25	12	11	68.5	15.9
Separated .....	118	-	12	4	23	44	20	8	7	67.0	12.7
Widowed .....	13	-	-	2	5	2	3	1	-	(B)	(B)
Divorced .....	255	-	7	15	40	93	63	20	18	75.6	14.8
45 to 54 years .....	1 135	53	121	84	248	359	134	70	65	55.4	12.0
Never married .....	167	14	14	16	56	37	16	6	7	39.9	7.8
Married, spouse present .....	635	23	61	41	133	208	84	48	38	59.3	13.3
Married, spouse absent .....	101	4	27	10	17	27	11	2	3	42.5	4.8
Separated .....	67	2	18	10	17	27	10	2	1	47.0	4.2
Widowed .....	39	-	12	5	10	12	-	-	-	(B)	(B)
Divorced .....	194	12	7	10	33	75	22	16	17	67.7	17.5
55 to 64 years .....	941	110	107	67	203	295	79	44	36	46.3	8.6
Never married .....	90	15	9	-	13	37	13	-	4	59.5	4.7
Married, spouse present .....	578	52	54	48	145	167	53	32	27	48.8	10.3
Married, spouse absent .....	98	24	15	3	10	26	6	1	-	36.3	1.1
Separated .....	79	18	15	1	10	26	6	1	-	41.9	1.2
Widowed .....	58	5	2	5	13	27	2	2	2	(B)	(B)
Divorced .....	131	14	27	13	22	38	5	10	3	42.5	9.7
65 years and over .....	981	258	225	122	161	145	37	12	23	22.1	3.6
Never married .....	44	6	1	1	9	8	-	-	4	(B)	(B)
Married, spouse present .....	550	130	127	76	82	63	26	9	16	24.5	4.5
Married, spouse absent .....	81	19	15	19	13	15	-	-	-	16.5	.5
Separated .....	74	15	15	16	13	15	-	-	-	(B)	(B)
Widowed .....	210	72	57	22	34	19	2	2	1	11.6	1.6
Divorced .....	98	19	20	5	23	20	6	-	2	30.8	1.8

See footnote at end of table.

**Table 3. Years of School Completed by Persons 15 Years Old and Over, by Marital Status, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Marital status, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>BLACK—Con.</b>											
<b>Female</b>											
18 years and over	10 994	418	855	453	2 142	4 243	1 918	768	402	66.7	10.8
Never married	3 508	42	79	94	740	1 555	687	253	59	72.8	8.9
Married, spouse present	3 741	115	181	123	591	1 501	688	333	210	73.0	14.5
Married, spouse absent	1 122	53	84	47	250	441	189	46	31	81.2	8.9
Separated	940	51	70	39	228	390	109	29	24	58.8	5.7
Widowed	1 431	201	278	147	348	291	92	50	27	32.1	5.4
Divorced	1 192	5	33	42	215	454	282	87	74	75.3	13.8
18 to 24 years	1 914	2	18	15	443	911	422	90	2	74.5	4.8
Never married	1 590	2	12	25	388	740	351	69	2	73.1	4.5
Married, spouse present	245	-	1	-	41	122	62	18	-	82.9	7.5
Married, spouse absent	60	-	2	-	13	36	9	-	-	(B)	(B)
Separated	44	-	2	-	9	29	4	-	-	(B)	(B)
Widowed	3	-	3	-	-	-	-	-	-	(B)	(B)
Divorced	17	-	-	-	2	12	-	3	-	(B)	(B)
25 years and over	9 080	414	637	428	1 899	3 332	1 494	878	399	85.0	11.9
Never married	1 919	40	87	68	352	815	335	184	58	72.5	12.5
Married, spouse present	3 486	115	180	123	550	1 379	824	314	210	72.3	15.0
Married, spouse absent	1 062	53	83	47	238	404	181	48	31	60.4	7.2
Separated	696	51	68	39	219	382	105	29	24	58.0	5.9
Widowed	1 428	201	275	147	348	291	92	50	27	32.2	5.4
Divorced	1 175	5	33	42	213	442	282	84	74	75.1	13.5
25 to 34 years	2 902	18	22	36	385	1 324	892	322	102	84.1	14.8
Never married	1 235	3	19	29	196	549	268	135	35	80.0	13.8
Married, spouse present	1 035	9	2	3	88	500	248	137	48	90.1	17.8
Married, spouse absent	340	5	1	4	71	159	89	27	4	78.0	9.1
Separated	269	3	1	4	59	141	44	14	2	74.8	8.0
Widowed	22	-	-	-	5	9	7	1	-	(B)	(B)
Divorced	270	1	-	-	25	107	100	22	15	90.4	13.8
35 to 44 years	2 130	10	55	39	354	900	427	209	135	78.5	18.1
Never married	392	1	15	18	79	192	46	27	13	71.7	10.2
Married, spouse present	933	4	17	12	123	391	201	106	79	83.2	19.8
Married, spouse absent	283	4	18	7	81	118	50	8	19	89.1	9.5
Separated	254	4	11	7	57	112	40	7	15	68.9	9.0
Widowed	95	-	3	-	21	39	13	18	-	74.1	19.0
Divorced	427	-	4	5	70	159	115	50	24	81.5	17.4
45 to 54 years	1 430	21	86	70	340	561	184	81	87	63.6	11.7
Never married	153	-	7	11	47	48	18	8	8	57.2	15.4
Married, spouse present	671	6	36	25	137	273	92	49	54	89.8	15.2
Married, spouse absent	212	8	12	19	48	93	27	8	3	60.9	4.0
Separated	187	8	12	14	48	74	8	8	3	53.2	5.1
Widowed	158	8	18	10	58	53	7	5	4	43.3	5.8
Divorced	236	1	14	8	54	97	40	3	21	68.1	10.3
55 to 64 years	1 164	88	163	78	340	305	127	27	37	42.7	5.5
Never married	74	20	11	1	21	18	-	3	1	(B)	(B)
Married, spouse present	450	24	50	29	115	133	63	15	20	51.4	7.9
Married, spouse absent	143	13	25	9	52	24	12	5	3	30.8	5.7
Separated	125	12	15	9	49	24	12	2	2	31.4	2.7
Widowed	349	32	70	27	112	74	31	13	4	31.2	1.4
Divorced	147	-	7	9	40	57	22	3	9	61.9	8.2
65 years and over	1 455	278	310	206	280	241	63	39	38	26.3	5.3
Never married	65	18	14	11	10	10	1	1	2	(B)	(B)
Married, spouse present	406	71	75	54	87	82	20	8	9	29.4	4.2
Married, spouse absent	84	25	28	8	8	10	3	-	2	17.8	2.7
Separated	80	25	28	5	8	10	3	-	2	18.8	2.9
Widowed	804	181	186	110	151	117	35	25	19	24.4	5.5
Divorced	94	3	7	22	24	22	5	5	5	40.4	11.2
<b>HISPANIC ORIGIN<sup>1</sup></b>											
<b>Male</b>											
18 years and over	6 481	689	922	425	1 155	1 792	914	369	215	50.8	9.0
Never married	2 048	133	222	108	473	820	329	114	48	54.3	7.9
Married, spouse present	3 560	413	529	248	548	985	484	218	135	51.2	9.9
Married, spouse absent	420	78	115	34	66	78	33	8	8	30.2	3.9
Separated	196	25	34	14	45	52	20	1	4	39.8	2.9
Widowed	108	41	21	8	19	9	8	-	5	18.1	4.2
Divorced	347	23	35	2	49	101	61	30	19	60.7	14.1
18 to 24 years	1 354	56	142	75	406	455	199	18	2	49.8	1.5
Never married	1 008	33	97	47	311	351	156	11	2	51.8	1.3
Married, spouse present	308	21	33	28	80	98	41	7	-	47.5	2.2
Married, spouse absent	35	1	12	-	13	8	2	-	-	(B)	(B)
Separated	13	1	3	-	8	2	-	-	-	(B)	(B)
Widowed	-	-	-	-	-	-	-	-	-	(B)	(B)
Divorced	3	1	-	-	2	-	-	-	-	(B)	(B)
25 years and over	5 128	633	780	350	749	1 337	714	351	213	51.0	11.0
Never married	1 038	100	125	80	182	270	173	103	48	57.0	14.3
Married, spouse present	3 252	392	497	220	468	886	443	211	135	51.5	10.8
Married, spouse absent	386	77	103	34	53	71	31	8	8	30.8	4.2
Separated	182	24	31	14	37	49	20	1	4	41.3	3.1
Widowed	108	41	21	8	19	9	8	-	5	18.1	4.2
Divorced	344	22	35	29	47	101	81	30	19	61.3	14.2

See footnote at end of table.

**Table 3. Years of School Completed by Persons 15 Years Old and Over, by Marital Status, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Marital status, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>HISPANIC ORIGIN<sup>1</sup>—Con.</b>											
<b>Male—Con.</b>											
25 to 34 years.....	2 083	143	276	88	347	631	359	148	70	58.6	10.6
Never married.....	739	64	74	32	122	200	141	85	22	60.5	14.5
Married, spouse present.....	1 090	63	186	47	181	362	174	56	42	58.1	9.0
Married, spouse absent.....	136	17	24	6	26	41	18	1	3	46.3	3.0
Separated.....	67	5	4	3	18	26	9	-	2	(B)	(B)
Widowed.....	2	-	-	-	1	-	-	-	-	(B)	(B)
Divorced.....	96	-	11	3	17	29	25	7	3	67.0	10.4
35 to 44 years.....	1 303	142	206	62	156	350	195	100	72	55.0	13.1
Never married.....	195	21	40	5	26	43	22	14	23	52.3	16.6
Married, spouse present.....	863	80	119	56	109	244	139	74	41	57.7	13.3
Married, spouse absent.....	117	28	39	7	11	19	8	1	4	27.7	4.7
Separated.....	46	3	9	3	5	16	6	1	3	(B)	(B)
Widowed.....	2	-	-	-	-	-	-	-	-	(B)	(B)
Divorced.....	126	13	7	14	9	43	24	11	4	65.4	11.8
45 to 54 years.....	801	115	126	57	120	194	86	61	39	47.6	12.6
Never married.....	46	6	3	9	3	17	4	3	2	(B)	(B)
Married, spouse present.....	589	90	89	29	67	150	74	45	26	50.1	12.1
Married, spouse absent.....	77	11	24	18	11	3	5	3	1	16.4	5.3
Separated.....	32	3	3	7	11	2	5	-	-	(B)	(B)
Widowed.....	17	1	6	1	6	1	-	-	-	(B)	(B)
Divorced.....	73	6	6	1	11	22	4	10	11	(B)	(B)
55 to 64 years.....	514	106	80	61	74	104	48	23	19	37.6	6.2
Never married.....	29	4	3	8	4	9	2	-	-	(B)	(B)
Married, spouse present.....	417	84	66	46	60	64	40	21	16	38.6	8.6
Married, spouse absent.....	22	9	3	-	3	6	-	1	-	(B)	(B)
Separated.....	13	5	3	-	2	3	-	-	-	(B)	(B)
Widowed.....	20	10	3	1	2	-	1	-	3	(B)	(B)
Divorced.....	26	-	4	6	5	5	4	1	-	(B)	(B)
65 years and over.....	447	127	91	61	63	57	26	19	12	25.7	7.1
Never married.....	29	6	4	6	7	-	5	1	-	(B)	(B)
Married, spouse present.....	293	76	56	42	32	47	15	16	10	29.9	6.7
Married, spouse absent.....	34	13	13	2	2	2	-	2	-	(B)	(B)
Separated.....	24	8	12	1	1	2	-	-	-	(B)	(B)
Widowed.....	88	30	12	6	9	7	2	-	1	(B)	(B)
Divorced.....	22	1	5	6	4	-	4	1	1	(B)	(B)
<b>Female</b>											
18 years and over.....	6 580	671	889	480	1 102	2 087	872	326	172	52.6	7.6
Never married.....	1 389	65	115	66	301	460	270	71	43	60.7	6.2
Married, spouse present.....	3 891	350	552	269	542	1 229	460	192	97	53.6	7.8
Married, spouse absent.....	463	71	71	32	93	133	37	17	7	42.1	5.3
Separated.....	367	53	58	25	76	114	32	6	2	42.4	2.5
Widowed.....	482	144	86	48	52	92	15	13	12	28.5	5.3
Divorced.....	576	41	65	45	114	173	90	34	13	53.9	6.1
18 to 24 years.....	1 270	32	97	64	312	517	213	30	4	60.1	2.6
Never married.....	745	13	33	32	184	292	159	19	2	63.5	2.9
Married, spouse present.....	483	15	60	27	99	201	51	9	1	56.5	2.2
Married, spouse absent.....	45	4	2	5	14	17	3	-	-	(B)	(B)
Separated.....	33	4	2	4	9	11	3	-	-	(B)	(B)
Widowed.....	1	-	-	-	-	1	-	-	-	(B)	(B)
Divorced.....	17	-	2	1	5	7	-	2	-	(B)	(B)
25 years and over.....	5 310	639	791	396	790	1 570	669	297	169	50.7	6.6
Never married.....	844	51	81	35	107	168	110	52	40	57.4	14.3
Married, spouse present.....	3 226	335	492	242	443	1 026	410	183	96	53.2	6.6
Married, spouse absent.....	418	67	69	27	80	116	34	17	7	41.8	5.9
Separated.....	334	49	57	21	67	103	29	6	2	42.3	2.8
Widowed.....	461	144	86	46	52	91	15	13	12	28.4	5.3
Divorced.....	559	41	63	44	109	167	90	32	13	54.0	6.1
25 to 34 years.....	1 905	98	214	109	317	629	326	143	70	61.3	11.2
Never married.....	419	9	41	30	86	110	78	42	22	60.3	15.4
Married, spouse present.....	1 163	75	153	62	154	405	194	80	40	61.9	10.3
Married, spouse absent.....	158	9	12	12	31	58	18	11	6	59.0	10.9
Separated.....	130	8	12	9	30	51	16	4	-	54.9	2.9
Widowed.....	13	-	-	-	5	4	3	-	-	(B)	(B)
Divorced.....	152	5	7	4	41	51	33	9	2	62.7	7.2
35 to 44 years.....	1 366	147	171	61	188	455	204	71	49	57.1	6.6
Never married.....	91	6	13	2	6	32	15	6	10	69.3	17.0
Married, spouse present.....	942	100	124	58	116	318	142	48	36	57.6	9.0
Married, spouse absent.....	135	25	16	5	32	41	13	3	-	42.4	2.5
Separated.....	109	21	12	4	25	36	9	1	-	42.6	1.3
Widowed.....	31	6	5	2	4	11	2	-	-	(B)	(B)
Divorced.....	167	10	12	14	30	53	31	14	3	60.5	10.4
45 to 54 years.....	844	122	155	63	150	216	73	40	24	41.8	7.5
Never married.....	57	11	14	1	7	10	8	1	5	(B)	(B)
Married, spouse present.....	538	64	65	45	100	158	49	31	7	45.4	7.1
Married, spouse absent.....	65	19	26	3	8	5	1	1	2	(B)	(B)
Separated.....	43	9	19	-	6	5	1	1	2	(B)	(B)
Widowed.....	57	22	9	1	11	7	3	-	5	(B)	(B)
Divorced.....	127	6	22	13	25	38	12	7	4	47.7	6.6

See footnote at end of table.

**Table 3. Years of School Completed by Persons 15 Years Old and Over, by Marital Status, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Marital status, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>HISPANIC ORIGIN<sup>1</sup>—Con.</b>											
<b>Female—Con.</b>											
55 to 64 years.....	637	123	118	61	103	152	37	27	14	38.2	6.4
Never married.....	32	11	6	-	5	3	5	-	1	(A)	(B)
Married, spouse present.....	375	64	73	41	63	109	14	17	5	35.8	5.9
Married, spouse absent.....	46	10	9	7	7	10	2	1	-	(B)	(B)
Separated.....	42	9	9	7	5	9	2	1	-	(B)	(B)
Widowed.....	117	29	19	12	19	22	5	9	4	33.0	10.4
Divorced.....	68	9	12	2	10	19	12	-	4	(B)	(B)
65 years and over.....	558	148	133	83	31	118	18	16	11	29.3	4.9
Never married.....	46	14	7	1	2	12	3	4	1	(B)	(B)
Married, spouse present.....	210	32	57	37	10	49	11	7	7	35.2	6.6
Married, spouse absent.....	14	4	6	-	2	2	-	-	-	(B)	(B)
Separated.....	10	3	5	-	-	2	-	-	-	(B)	(B)
Widowed.....	243	87	54	33	13	48	2	4	3	23.5	2.8
Divorced.....	45	11	9	12	3	6	2	2	-	(B)	(B)

<sup>1</sup>Persons of Hispanic origin may be of any race.









**Table 4. Years of School Completed by Persons 15 Years Old and Over, by Household Relationship, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Household relationship, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>HISPANIC ORIGIN<sup>1</sup>—Con.</b>											
<b>Female</b>											
18 years and over.....	6 577	671	889	460	1 102	2 086	872	326	171	52.5	7.6
Householder.....	1 856	235	252	148	336	510	222	87	87	47.7	8.3
Family householder.....	1 392	152	192	120	285	393	161	57	32	46.2	8.4
Married, spouse present.....	286	35	23	23	42	92	32	19	10	53.8	10.1
Nonfamily householder.....	464	83	56	28	52	117	81	29	34	52.1	13.8
Living alone.....	399	82	56	27	43	87	47	28	28	47.8	14.0
Spouse.....	3 252	299	494	231	489	1 090	411	171	87	54.1	7.9
Other relative.....	1 238	113	118	74	245	409	207	81	11	55.8	5.8
Nonrelative.....	233	24	28	8	51	77	32	8	8	53.0	6.0
25 years and over.....	5 309	639	791	396	790	1 569	859	297	189	50.7	8.8
Householder.....	1 687	225	238	131	289	453	203	83	85	47.7	8.8
Family householder.....	1 260	143	185	103	244	346	152	55	32	48.4	7.0
Married, spouse present.....	252	26	29	20	39	79	29	19	10	54.2	11.4
Nonfamily householder.....	426	82	52	28	45	107	51	27	33	51.3	14.2
Living alone.....	380	81	49	27	40	85	43	27	27	47.9	14.2
Spouse.....	2 891	291	451	210	396	924	371	162	88	53.4	8.6
Other relative.....	583	102	83	52	74	152	64	45	11	48.7	9.5
Nonrelative.....	148	20	20	3	30	40	21	7	8	49.9	9.1

<sup>1</sup>Persons of Hispanic origin may be of any race.

**Table 5. Education of Husband, by Education of Wife for Married Couples, by Age of Husband, Race, and Hispanic Origin: March 1989**

[In thousands. Noninstitutional population]

Education of husband, age, race, and Hispanic origin	All wives	Education of wife									
		Not high school graduate					High school graduate				
		Total	Elementary school			1 - 3 years high school	Total	4 years high school	College		
			0 - 4 years	5 - 7 years	8 years				1 - 3 years	4 years	5 or more years
<b>ALL RACES</b>											
<b>18 Years and Over</b>											
All husbands .....	52 920	10 029	743	1 573	2 017	5 696	42 891	23 675	9 510	6 205	3 500
Not high school graduate .....	11 494	6 447	659	1 265	1 426	3 075	5 047	4 166	649	151	81
Elementary: 0 to 4 years .....	1 111	924	357	226	148	193	187	151	28	5	3
5 to 7 years .....	2 098	1 518	180	588	264	486	580	488	66	23	4
8 years .....	2 575	1 438	51	205	618	564	1 137	970	123	28	18
High school: 1 to 3 years .....	5 710	2 568	72	267	398	1 831	3 143	2 557	432	95	59
High school graduate .....	41 426	3 582	84	288	590	2 621	37 344	19 509	8 861	6 054	3 419
4 years .....	19 153	2 753	50	208	477	2 018	16 399	12 470	2 686	887	376
College: 1 to 3 years .....	9 200	603	23	54	77	448	8 597	4 107	2 989	1 073	429
4 years .....	7 044	183	6	23	28	125	6 861	1 891	1 929	2 323	717
5 or more years ..	6 029	43	3	3	6	29	5 966	1 040	1 277	1 771	1 698
<b>18 to 24 Years</b>											
All husbands .....	1 684	406	16	59	47	286	1 476	966	336	133	41
Not high school graduate .....	47	238	10	42	36	150	201	168	25	6	1
Elementary: 0 to 4 years .....	9	25	4	6	-	15	3	-	3	-	-
5 to 7 years .....	35	29	1	18	1	9	6	6	-	-	-
8 years .....	68	39	5	11	8	15	29	24	2	2	1
High school: 1 to 3 years .....	307	144	-	6	26	110	163	137	20	6	-
High school graduate .....	1 446	170	6	16	11	137	1 275	798	311	126	40
4 years .....	936	145	4	14	10	116	791	638	122	26	5
College: 1 to 3 years .....	363	22	-	-	1	21	341	147	148	41	5
4 years .....	126	4	2	2	-	-	122	10	39	53	20
5 or more years ..	21	-	-	-	-	-	21	3	2	6	10
<b>25 to 34 Years</b>											
All husbands .....	11 744	1 430	91	202	169	966	10 314	5 356	2 491	1 768	679
Not high school graduate .....	1 555	788	76	152	91	469	767	622	121	17	7
Elementary: 0 to 4 years .....	84	55	19	20	7	6	29	19	9	1	-
5 to 7 years .....	233	174	40	75	11	48	59	54	4	1	-
8 years .....	166	93	7	13	30	42	74	57	14	3	-
High school: 1 to 3 years .....	1 071	467	10	44	42	370	604	492	95	11	7
High school graduate .....	10 189	642	15	49	79	499	9 547	4 733	2 369	1 772	673
4 years .....	4 988	515	6	43	68	398	4 473	3 337	792	268	76
College: 1 to 3 years .....	2 380	108	6	5	11	87	2 272	910	900	369	94
4 years .....	1 792	16	1	1	-	14	1 775	356	474	761	164
5 or more years ..	1 028	2	1	-	-	1	1 026	130	203	354	339
<b>35 to 44 Years</b>											
All husbands .....	12 924	1 462	143	199	176	944	11 462	5 390	2 794	1 983	1 305
Not high school graduate .....	1 427	750	120	143	98	389	677	538	89	28	12
Elementary: 0 to 4 years .....	118	100	67	14	6	14	18	13	2	-	3
5 to 7 years .....	248	179	28	60	18	73	87	54	9	3	-
8 years .....	243	123	12	30	31	50	121	100	20	1	-
High school: 1 to 3 years .....	820	348	14	40	43	252	472	371	68	24	9
High school graduate .....	11 497	712	23	56	78	555	10 785	4 842	2 695	1 955	1 293
4 years .....	4 271	541	12	43	61	425	3 730	2 694	687	238	111
College: 1 to 3 years .....	2 799	116	7	13	8	90	2 661	1 246	943	345	147
4 years .....	2 240	42	2	-	6	35	2 196	585	604	749	259
5 or more years ..	2 186	11	1	-	4	6	2 176	317	481	622	775
<b>45 to 54 Years</b>											
All husbands .....	9 265	1 583	108	239	274	962	7 682	4 205	1 653	1 121	703
Not high school graduate .....	1 803	915	90	195	177	452	688	712	122	29	24
Elementary: 0 to 4 years .....	154	127	53	36	13	23	26	26	1	-	-
5 to 7 years .....	324	216	18	92	37	68	108	81	20	8	-
8 years .....	333	165	6	28	58	73	167	140	16	7	3
High school: 1 to 3 years .....	992	408	13	36	69	287	586	466	84	15	21
High school graduate .....	7 462	668	17	43	97	510	6 794	3 493	1 531	1 091	679
4 years .....	3 411	489	10	28	69	384	2 922	2 206	460	182	72
College: 1 to 3 years .....	1 509	136	6	6	20	101	1 373	716	436	145	74
4 years .....	1 243	37	-	6	6	21	1 205	349	357	385	135
5 or more years ..	1 300	6	-	-	1	4	1 294	220	276	400	399
<b>55 to 64 Years</b>											
All husbands .....	8 125	2 038	142	304	411	1 182	6 987	3 891	1 124	627	445
Not high school graduate .....	2 405	1 368	136	250	294	689	1 037	919	95	13	11
Elementary: 0 to 4 years .....	267	242	83	50	56	53	24	21	1	2	-
5 to 7 years .....	439	330	31	111	54	134	109	96	10	2	1
8 years .....	578	305	6	34	124	141	273	249	20	3	2
High school: 1 to 3 years .....	1 121	491	15	55	60	361	630	552	84	6	9
High school graduate .....	5 720	670	7	54	116	492	5 050	2 973	1 029	614	435
4 years .....	2 617	512	7	39	97	369	2 306	1 873	305	79	48
College: 1 to 3 years .....	1 100	102	-	10	14	76	998	559	307	75	57
4 years .....	917	43	-	4	4	35	674	331	248	217	77
5 or more years ..	885	13	-	-	2	11	873	209	170	242	252

See footnote at end of table.

**Table 5. Education of Husband, by Education of Wife for Married Couples, by Age of Husband, Race, and Hispanic Origin: March 1989--Con.**

[In thousands. Noninstitutional population]

Education of husband, age, race, and Hispanic origin	All wives	Education of wife									
		Not high school graduate					High school graduate				
		Total	Elementary school			1 - 3 years high school	Total	4 years high school	College		
			0 - 4 years	5 - 7 years	8 years				1 - 3 years	4 years	5 or more years
<b>ALL RACES--Con.</b>											
<b>65 Years and Over</b>											
All husbands .....	8 977	3 108	244	571	940	1 363	5 869	3 877	1 113	553	328
Not high school graduate .....	3 885	2 388	228	502	732	926	1 477	1 207	187	58	27
Elementary: 0 to 4 years .....	480	374	132	98	66	79	86	72	12	2	-
5 to 7 years .....	820	589	61	232	142	154	231	196	24	8	3
8 years .....	1 186	712	14	90	366	242	473	399	51	13	10
High school: 1 to 3 years .....	1 399	712	21	83	158	450	687	540	101	33	14
High school graduate .....	5 112	720	16	69	208	428	4 392	2 670	928	497	299
4 years .....	2 729	552	11	41	173	327	2 177	1 720	300	94	64
College: 1 to 3 years .....	1 048	117	2	18	24	73	931	530	253	98	51
4 years .....	727	40	2	7	10	20	687	259	207	158	62
5 or more years .....	608	12	-	3	1	8	597	161	168	148	122
<b>WHITE</b>											
<b>18 Years and Over</b>											
All husbands .....	47 479	8 643	525	1 308	1 844	4 986	38 838	21 582	8 610	5 526	3 119
Not high school graduate .....	9 865	5 433	469	1 080	1 297	2 587	4 432	3 697	550	123	62
Elementary: 0 to 4 years .....	820	672	237	188	111	136	148	122	20	3	3
5 to 7 years .....	1 759	1 259	141	483	237	399	500	421	59	17	3
8 years .....	2 308	1 282	39	173	581	499	1 016	872	103	25	16
High school: 1 to 3 years .....	4 978	2 210	52	236	389	1 553	2 768	2 282	387	78	41
High school graduate .....	37 614	3 210	56	229	547	2 379	34 404	17 886	8 060	5 402	3 057
4 years .....	17 415	2 604	38	165	452	1 849	14 910	11 414	2 372	768	336
College: 1 to 3 years .....	8 281	519	11	42	66	400	7 782	3 754	2 692	947	389
4 years .....	6 409	149	5	18	24	101	6 280	1 772	1 801	2 042	645
5 or more years .....	5 510	37	1	3	4	29	5 472	946	1 195	1 625	1 707
<b>18 to 44 Years</b>											
All husbands .....	23 573	2 879	198	404	389	1 909	20 693	10 425	5 033	3 447	1 788
Not high school graduate .....	2 955	1 536	168	306	215	847	1 419	1 154	208	37	20
Elementary: 0 to 4 years .....	193	146	85	40	12	30	47	29	14	1	3
5 to 7 years .....	484	343	64	137	31	112	121	104	13	5	-
8 years .....	406	219	16	44	65	92	167	155	28	3	1
High school: 1 to 3 years .....	1 892	828	22	85	107	614	1 084	868	153	29	16
High school graduate .....	20 618	1 343	29	88	154	1 061	19 274	9 271	4 825	3 410	1 769
4 years .....	9 103	1 064	18	79	131	858	8 019	5 983	1 419	470	166
College: 1 to 3 years .....	4 684	203	4	16	18	185	4 681	2 048	1 767	862	204
4 years .....	3 722	48	5	3	6	34	3 674	874	1 028	1 377	397
5 or more years .....	2 909	8	1	-	-	7	2 901	388	613	900	1 002
<b>45 Years and Over</b>											
All husbands .....	23 906	5 764	327	904	1 475	3 057	18 143	11 157	3 576	2 079	1 331
Not high school graduate .....	6 910	3 897	301	774	1 083	1 739	3 013	2 542	342	86	43
Elementary: 0 to 4 years .....	627	526	173	148	99	106	101	92	7	2	-
5 to 7 years .....	1 296	916	77	345	206	287	379	317	46	12	3
8 years .....	1 902	1 073	21	129	516	407	829	717	75	22	15
High school: 1 to 3 years .....	3 086	1 382	30	151	261	940	1 704	1 416	214	49	25
High school graduate .....	16 997	1 867	26	131	392	1 316	15 130	8 615	3 235	1 893	1 288
4 years .....	8 311	1 420	19	86	321	993	6 891	5 451	953	318	170
College: 1 to 3 years .....	3 397	316	7	28	48	235	3 081	1 706	925	285	165
4 years .....	2 687	101	-	15	19	68	2 586	898	775	665	248
5 or more years .....	2 601	29	-	3	4	22	2 571	560	582	725	705
<b>BLACK</b>											
<b>18 Years and Over</b>											
All husbands .....	3 835	1 020	113	184	128	595	2 815	1 540	703	383	209
Not high school graduate .....	1 310	783	101	151	110	421	527	392	90	27	18
Elementary: 0 to 4 years .....	220	184	59	34	35	55	36	26	7	2	-
5 to 7 years .....	268	198	20	79	21	77	70	59	5	6	1
8 years .....	201	102	4	18	28	53	98	76	19	3	-
High school: 1 to 3 years .....	622	299	18	20	28	235	323	231	59	16	17
High school graduate .....	2 525	237	12	33	17	174	2 289	1 148	613	336	191
4 years .....	1 351	174	6	23	13	132	1 177	822	252	68	34
College: 1 to 3 years .....	849	48	3	10	4	31	801	233	230	95	44
4 years .....	318	14	2	-	-	11	304	57	86	119	42
5 or more years .....	208	1	1	-	-	-	207	36	45	54	71
<b>18 to 44 Years</b>											
All husbands .....	2 074	252	11	14	13	215	1 822	972	455	272	123
Not high school graduate .....	340	150	5	7	8	132	190	144	31	14	-
Elementary: 0 to 4 years .....	18	13	5	-	1	6	3	3	-	-	-
5 to 7 years .....	25	19	-	3	-	16	6	6	-	-	-
8 years .....	38	11	-	-	1	10	28	18	7	3	-
High school: 1 to 3 years .....	281	107	-	4	4	99	154	119	24	11	-
High school graduate .....	1 734	102	5	6	7	83	1 632	827	424	258	123
4 years .....	892	77	1	6	7	62	815	582	183	47	22
College: 1 to 3 years .....	485	20	3	-	-	17	465	161	171	80	33
4 years .....	232	5	-	-	-	5	227	37	86	98	25
5 or more years .....	128	1	1	-	-	-	125	27	23	33	43

See footnote at end of table.

**Table 5. Education of Husband, by Education of Wife for Married Couples, by Age of Husband, Race, and Hispanic Origin: March 1989—Con.**

[In thousands. Noninstitutional population]

Education of husband, age, race, and Hispanic origin	All wives	Education of wife									
		Not high school graduate					High school graduate				
		Total	Elementary school			1 - 3 years high school	Total	4 years high school	College		
			0 - 4 years	5 - 7 years	8 years				1 - 3 years	4 years	5 or more years
<b>BLACK—Con.</b>											
<b>45 Years and Over</b>											
All husbands .....	1 761	768	102	171	114	380	993	569	248	91	65
Not high school graduate .....	970	633	96	144	105	289	337	248	58	13	18
Elementary: 0 to 4 years .....	204	171	54	34	34	49	33	23	7	2	-
5 to 7 years .....	243	179	20	76	21	61	63	52	5	6	1
8 years .....	163	91	4	18	27	43	72	60	12	-	-
High school: 1 to 3 years .....	360	192	16	16	22	136	189	112	34	5	17
High school graduate .....	791	135	7	27	10	91	656	321	190	78	68
4 years .....	459	97	4	17	6	70	362	239	89	21	12
College: 1 to 3 years .....	164	28	-	10	4	14	135	52	59	15	10
4 years .....	87	9	2	-	-	7	78	20	20	21	17
5 or more years .....	62	-	-	-	-	-	62	10	22	21	29
<b>HISPANIC ORIGIN<sup>1</sup></b>											
<b>18 Years and Over</b>											
All husbands .....	3 560	1 723	349	552	250	573	1 836	1 177	391	200	68
Not high school graduate .....	1 739	1 362	331	473	182	376	377	293	70	11	4
Elementary: 0 to 4 years .....	413	354	176	105	25	49	59	46	10	-	3
5 to 7 years .....	529	454	95	226	44	89	75	58	13	4	-
8 years .....	248	190	29	54	68	39	58	45	10	2	1
High school: 1 to 3 years .....	548	364	31	89	46	198	185	144	36	4	-
High school graduate .....	1 621	361	18	78	68	197	1 460	884	321	190	64
4 years .....	965	269	12	59	53	146	716	576	87	44	8
College: 1 to 3 years .....	484	69	1	13	11	43	415	214	136	52	14
4 years .....	216	20	3	7	3	7	198	68	68	55	7
5 or more years .....	135	4	1	-	1	1	131	26	31	39	35
<b>18 to 44 Years</b>											
All husbands .....	2 261	964	167	305	119	373	1 297	626	293	125	51
Not high school graduate .....	983	738	152	257	87	243	245	184	50	7	4
Elementary: 0 to 4 years .....	164	128	54	39	6	26	37	25	9	-	3
5 to 7 years .....	318	272	62	128	16	67	46	38	6	2	-
8 years .....	131	97	18	33	28	20	34	27	5	1	1
High school: 1 to 3 years .....	370	242	20	58	34	130	128	95	30	3	-
High school graduate .....	1 278	226	15	48	33	131	1 052	643	243	118	47
4 years .....	704	177	9	39	28	101	527	436	62	25	3
College: 1 to 3 years .....	355	37	1	7	3	27	316	154	115	35	13
4 years .....	136	10	3	2	2	4	126	39	49	32	6
5 or more years .....	83	1	1	-	-	-	82	14	18	26	24
<b>45 Years and Over</b>											
All husbands .....	1 299	759	182	247	131	199	540	349	98	75	17
Not high school graduate .....	756	624	179	218	96	133	132	108	20	4	-
Elementary: 0 to 4 years .....	249	227	122	66	16	22	22	21	1	-	-
5 to 7 years .....	211	183	33	98	28	23	29	20	7	2	-
8 years .....	117	93	13	21	40	19	24	18	5	1	-
High school: 1 to 3 years .....	178	122	11	31	11	68	57	50	7	1	-
High school graduate .....	543	135	3	31	35	66	408	241	78	72	17
4 years .....	280	92	3	20	24	45	189	140	25	19	5
College: 1 to 3 years .....	130	32	-	6	9	17	98	60	21	17	1
4 years .....	61	9	-	5	1	3	72	30	19	23	1
5 or more years .....	52	2	-	-	1	1	49	12	13	14	11

<sup>1</sup>Persons of Hispanic origin may be of any race.











**Table 7. Years of School Completed by Persons 18 to 64 Years Old, by Occupation of Employed Persons, Age, Sex, Race, and Hispanic Origin: March 1989**

(Numbers in thousands. Noninstitutional population)

Occupation, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>ALL RACES</b>											
<b>Male</b>											
18 to 24 years.....	8 752	66	146	149	1 494	4 017	2 216	568	97	78.8	7.6
Executive, administrative, and managerial.....	423	7	-	-	31	102	150	122	10	90.9	31.3
Professional specialty.....	435	-	-	-	13	65	149	156	52	97.0	47.9
Technicians and related support.....	208	-	-	3	5	58	110	27	6	96.4	15.8
Sales.....	1 001	2	2	2	111	417	360	100	7	88.3	10.7
Administrative support, including clerical.....	745	-	-	-	74	266	322	46	7	90.0	7.1
Private household.....	13	-	-	-	-	5	8	-	-	(B)	(B)
Other service.....	1 434	27	35	39	326	573	383	45	5	70.2	3.6
Farming, forestry, and fishing.....	374	8	34	17	74	158	76	5	2	64.4	2.0
Precision production, craft, and repair.....	1 502	5	16	30	262	922	246	16	4	79.1	1.3
Machine operators, assemblers, and inspectors.....	911	6	33	23	203	519	117	8	2	70.8	1.0
Transportation and material moving.....	532	3	-	12	94	304	102	16	2	79.6	3.3
Handlers, equipment cleaners, helpers, and laborers.....	1 174	7	27	22	300	597	194	27	-	69.7	2.3
25 to 64 years.....	51 129	642	1 249	1 280	4 458	18 739	9 983	6 122	6 657	85.1	28.9
Executive, administrative, and managerial.....	8 066	10	47	70	248	1 758	1 743	2 527	1 663	95.3	51.9
Professional specialty.....	7 097	5	7	10	49	503	927	1 922	3 675	99.0	78.9
Technicians and related support.....	1 855	1	3	-	31	408	545	410	205	97.8	38.3
Sales.....	5 450	17	31	48	238	1 780	1 354	1 472	510	93.9	36.4
Administrative support, including clerical.....	2 652	24	12	36	141	1 047	779	442	172	92.0	23.1
Private household.....	7	-	2	-	-	4	2	-	-	(B)	(B)
Other service.....	3 981	77	201	158	463	1 749	866	356	111	77.4	11.7
Farming, forestry, and fishing.....	1 797	138	149	105	260	738	247	110	50	63.7	6.9
Precision production, craft, and repair.....	10 522	107	280	372	1 379	5 599	2 112	506	166	79.7	6.4
Machine operators, assemblers, and inspectors.....	3 943	120	215	188	589	2 086	575	142	49	72.3	4.8
Transportation and material moving.....	3 609	55	154	176	651	1 892	501	144	37	71.3	5.0
Handlers, equipment cleaners, helpers, and laborers.....	2 402	87	147	118	430	1 175	333	91	20	67.4	4.6
25 to 34 years.....	18 569	160	300	228	1 649	7 431	3 880	3 228	1 693	87.4	26.5
Executive, administrative, and managerial.....	2 151	1	12	9	67	428	490	807	338	95.8	53.2
Professional specialty.....	2 307	-	-	5	5	185	318	875	939	99.6	78.6
Technicians and related support.....	729	1	-	-	7	174	256	196	95	96.9	39.9
Sales.....	1 888	2	2	5	65	622	447	620	124	96.0	39.4
Administrative support, including clerical.....	1 028	4	-	7	37	377	344	192	67	95.2	25.2
Private household.....	2	-	-	-	-	-	2	-	-	(B)	(B)
Other service.....	1 680	26	65	30	170	767	413	167	42	82.6	12.4
Farming, forestry, and fishing.....	646	43	38	17	112	299	91	35	10	67.4	7.0
Precision production, craft, and repair.....	3 959	19	75	64	495	2 237	884	161	55	83.6	5.4
Machine operators, assemblers, and inspectors.....	1 637	29	57	34	245	941	255	62	14	77.7	4.6
Transportation and material moving.....	1 310	3	10	25	228	783	194	61	6	79.7	5.1
Handlers, equipment cleaners, helpers, and laborers.....	1 202	30	41	30	219	638	189	51	5	73.4	4.6
35 to 44 years.....	15 650	160	327	274	985	5 174	3 449	2 687	2 594	88.8	33.7
Executive, administrative, and managerial.....	2 763	4	11	5	51	470	617	911	693	97.4	58.1
Professional specialty.....	2 399	2	3	3	15	140	315	524	1 397	99.0	80.1
Technicians and related support.....	519	-	3	-	12	121	170	142	70	97.1	41.0
Sales.....	1 585	7	7	7	44	429	456	424	212	95.9	40.1
Administrative support, including clerical.....	746	7	-	13	33	267	222	144	62	92.9	27.6
Private household.....	6	-	2	-	-	4	-	-	-	(B)	(B)
Other service.....	1 076	16	61	29	109	435	265	126	36	80.0	15.0
Farming, forestry, and fishing.....	458	26	47	18	52	173	64	38	18	68.6	12.2
Precision production, craft, and repair.....	3 265	34	61	83	308	1 660	603	243	74	85.1	9.7
Machine operators, assemblers, and inspectors.....	1 150	34	60	58	121	616	202	44	14	76.2	5.1
Transportation and material moving.....	1 072	14	31	39	143	506	207	61	11	78.8	6.8
Handlers, equipment cleaners, helpers, and laborers.....	611	16	41	19	97	293	109	30	5	71.6	5.7
45 to 64 years.....	16 910	322	621	779	1 824	6 134	2 654	2 206	2 371	79.0	27.1
Executive, administrative, and managerial.....	3 152	5	24	56	131	660	636	609	632	93.2	45.7
Professional specialty.....	2 392	2	4	2	29	168	295	523	1 340	98.4	77.9
Technicians and related support.....	358	-	-	-	12	113	119	72	40	96.4	31.3
Sales.....	1 876	8	21	36	126	728	452	428	175	90.2	30.5
Administrative support, including clerical.....	876	12	12	15	71	403	213	106	43	87.4	17.0
Private household.....	-	-	-	-	-	-	-	-	-	(B)	(B)
Other service.....	1 224	35	75	98	184	547	188	64	33	68.0	7.9
Farming, forestry, and fishing.....	695	69	64	73	96	266	72	36	22	57.0	6.4
Precision production, craft, and repair.....	3 267	55	144	225	576	1 702	425	102	37	69.4	4.3
Machine operators, assemblers, and inspectors.....	1 158	56	99	96	202	526	116	36	21	60.8	4.9
Transportation and material moving.....	1 226	37	113	111	280	544	100	21	19	55.8	3.3

See foot note at end of table.

**Table 7. Years of School Completed by Persons 18 to 64 Years Old, by Occupation of Employed Persons, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Occupation, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>ALL RACES—Con.</b>											
<b>Male—Con.</b>											
Handlers, equipment cleaners, helpers, and laborers.....	590	42	65	69	114	245	35	10	10	50.9	3.4
<b>Female</b>											
18 to 24 years.....	7 953	16	48	56	901	3 559	2 452	638	63	67.2	11.8
Executive, administrative, and managerial.....	487	-	-	3	15	151	136	175	6	96.4	37.5
Professional specialty.....	632	-	-	-	17	87	202	285	42	97.3	51.6
Technicians and related support.....	207	-	-	-	8	60	77	50	11	98.0	29.5
Sales.....	1 637	-	2	19	251	762	469	104	10	83.4	7.0
Administrative support, including clerical.....	2 395	1	-	5	141	1 168	918	153	9	93.9	6.8
Private household.....	125	1	4	-	43	44	32	2	-	61.6	1.3
Other service.....	1 636	6	18	14	277	798	473	50	2	60.9	3.2
Farming, forestry, and fishing.....	85	-	-	-	15	41	23	5	-	62.4	6.1
Precision production, craft, and repair.....	122	1	6	-	9	76	27	3	-	66.6	2.5
Machine operators, assemblers, and inspectors.....	408	7	19	14	75	245	41	4	2	71.8	1.4
Transportation and material moving.....	48	-	-	-	7	19	17	5	-	(B)	(B)
Handlers, equipment cleaners, helpers, and laborers.....	171	-	2	1	43	88	36	2	-	73.2	1.1
25 to 64 years.....	41 887	367	606	628	3 189	17 930	6 773	6 276	4 116	68.6	24.8
Executive, administrative, and managerial.....	5 313	2	13	10	139	1 796	1 416	1 244	893	96.9	36.4
Professional specialty.....	6 963	2	1	6	62	610	1 132	2 495	2 674	99.0	74.0
Technicians and related support.....	1 524	-	-	2	39	487	585	310	140	97.3	29.5
Sales.....	4 465	15	28	39	385	2 168	973	648	227	69.6	19.5
Administrative support, including clerical.....	11 673	16	15	44	434	6 630	3 168	1 110	258	95.8	11.7
Private household.....	583	35	75	41	136	213	51	23	7	50.4	5.0
Other service.....	6 047	109	218	228	1 003	3 198	950	269	72	74.2	5.6
Farming, forestry, and fishing.....	359	12	17	12	52	135	45	27	9	74.0	9.8
Precision production, craft, and repair.....	1 004	28	43	31	130	562	132	63	16	76.9	7.9
Machine operators, assemblers, and inspectors.....	2 966	127	180	186	655	1 494	248	61	15	61.3	2.6
Transportation and material moving.....	377	-	2	12	60	246	39	16	-	60.3	4.1
Handlers, equipment cleaners, helpers, and laborers.....	572	21	13	17	92	357	53	13	6	75.0	3.3
25 to 34 years.....	14 956	74	124	115	610	6 179	3 482	2 690	1 302	92.5	26.0
Executive, administrative, and managerial.....	1 668	-	4	4	45	516	502	577	216	97.2	42.6
Professional specialty.....	2 488	-	-	1	10	207	387	1 073	609	99.6	75.7
Technicians and related support.....	675	-	-	-	12	146	241	194	61	98.2	40.8
Sales.....	1 858	-	8	4	96	746	367	342	71	93.4	24.9
Administrative support, including clerical.....	4 215	1	5	4	100	2 314	1 238	475	78	97.4	13.1
Private household.....	152	4	8	6	39	60	24	9	1	62.9	7.0
Other service.....	2 164	19	21	41	265	1 165	477	146	26	84.0	6.1
Farming, forestry, and fishing.....	126	6	6	5	13	68	24	6	-	76.0	4.4
Precision production, craft, and repair.....	309	13	9	6	27	169	54	29	2	62.2	10.0
Machine operators, assemblers, and inspectors.....	963	26	61	34	155	557	94	23	11	71.1	3.5
Transportation and material moving.....	109	-	-	3	19	68	12	7	-	60.3	6.8
Handlers, equipment cleaners, helpers, and laborers.....	229	3	3	8	25	160	21	7	3	62.9	4.4
35 to 44 years.....	13 294	127	131	135	652	5 505	2 976	2 016	1 549	90.6	26.6
Executive, administrative, and managerial.....	1 774	2	-	2	32	581	526	393	238	96.0	35.6
Professional specialty.....	2 582	-	-	2	24	166	437	676	1 055	99.0	74.8
Technicians and related support.....	465	-	-	-	1	163	212	71	37	99.7	22.4
Sales.....	1 234	2	5	6	92	657	263	136	73	91.5	16.9
Administrative support, including clerical.....	3 606	4	2	13	130	1 939	1 052	370	97	95.8	12.9
Private household.....	145	12	13	10	34	57	9	6	4	52.3	7.2
Other service.....	1 754	27	36	47	249	994	293	74	33	79.0	6.1
Farming, forestry, and fishing.....	101	-	3	2	15	50	13	16	3	60.6	16.7
Precision production, craft, and repair.....	367	13	11	7	37	227	37	27	6	61.4	9.5
Machine operators, assemblers, and inspectors.....	920	60	59	42	163	443	97	35	1	62.7	3.9
Transportation and material moving.....	145	-	1	-	18	96	23	7	-	67.0	4.7
Handlers, equipment cleaners, helpers, and laborers.....	180	8	1	4	38	113	13	4	-	72.4	2.7
45 to 64 years.....	13 637	166	351	377	1 526	6 246	2 335	1 370	1 265	62.2	19.3
Executive, administrative, and managerial.....	1 672	-	10	5	62	696	368	273	237	95.4	30.5
Professional specialty.....	1 913	2	1	3	26	217	306	544	611	96.2	70.8
Technicians and related support.....	364	-	-	2	26	158	112	45	21	92.2	18.1
Sales.....	1 595	13	16	26	196	785	323	170	84	84.2	15.9
Administrative support, including clerical.....	3 851	10	6	26	203	2 377	676	226	61	93.5	9.0
Private household.....	286	19	55	24	66	96	16	7	1	42.6	2.9
Other service.....	2 129	63	161	140	489	1 039	179	47	11	60.0	2.7
Farming, forestry, and fishing.....	130	5	9	5	24	68	6	5	6	66.7	8.4

See footnote at end of table.

**Table 7. Years of School Completed by Persons 18 to 64 Years Old, by Occupation of Employed Persons, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Occupation, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>ALL RACES—Con.</b>											
<b>Female—Con.</b>											
Precision production, craft, and repair .....	328	2	23	18	66	166	40	7	7	66.9	4.1
Machine operators, assemblers, and inspectors .....	1 083	39	59	110	317	494	57	3	3	51.5	.6
Transportation and material moving .....	123	-	1	9	24	84	3	1	-	72.4	1.2
Handlers, equipment cleaners, helpers, and laborers .....	162	13	8	5	28	84	20	2	2	66.8	2.6
<b>WHITE</b>											
<b>Male</b>											
25 to 64 years .....	44 934	543	1 033	1 083	709	16 465	8 777	7 274	6 049	85.8	29.7
Executive, administrative, and managerial .....	7 543	10	43	66	229	1 696	1 580	2 350	1 569	95.4	52.0
Professional specialty .....	6 367	5	6	10	38	456	836	1 711	3 304	93.1	78.8
Technicians and related support .....	1 414	1	3	-	28	387	483	348	166	97.8	36.4
Sales .....	5 089	13	29	43	220	1 667	1 277	1 346	474	94.0	35.9
Administrative support, including clerical .....	2 154	21	10	21	106	864	621	361	150	92.7	23.8
Private household .....	4	-	2	-	-	-	2	-	-	(B)	(B)
Other service .....	3 158	66	176	119	346	1 389	702	281	99	77.6	12.0
Farming, forestry, and fishing .....	1 601	115	118	89	209	682	241	100	48	66.8	9.2
Precision production, craft, and repair .....	9 471	100	245	332	1 225	5 067	1 910	449	143	79.9	6.3
Machine operators, assemblers, and inspectors .....	3 291	95	179	165	435	1 775	478	120	44	73.4	5.0
Transportation and material moving .....	3 052	47	104	141	559	1 636	398	134	34	72.1	5.5
Handlers, equipment cleaners, helpers, and laborers .....	1 810	69	117	98	317	869	250	71	19	66.8	5.0
<b>Female</b>											
25 to 64 years .....	35 576	265	428	533	2 489	15 396	7 489	5 386	3 591	89.6	25.2
Executive, administrative, and managerial .....	4 734	2	9	8	124	1 653	1 294	1 063	583	97.0	34.8
Professional specialty .....	6 161	-	6	6	38	542	1 008	2 174	2 392	99.3	74.1
Technicians and related support .....	1 227	-	2	2	29	366	464	246	99	97.4	28.2
Sales .....	4 004	7	26	39	334	1 973	854	581	191	89.9	19.3
Administrative support, including clerical .....	10 182	13	15	44	385	5 941	2 639	933	212	95.5	11.2
Private household .....	384	30	30	29	81	159	28	23	6	55.9	7.4
Other service .....	4 690	74	143	186	715	2 511	775	220	67	76.2	6.1
Farming, forestry, and fishing .....	332	7	16	11	47	173	43	27	9	75.7	10.6
Precision production, craft, and repair .....	827	17	34	20	112	463	118	46	16	77.8	7.5
Machine operators, assemblers, and inspectors .....	2 280	107	142	159	498	1 142	171	47	13	60.3	2.6
Transportation and material moving .....	313	-	2	12	49	201	33	16	-	79.8	5.0
Handlers, equipment cleaners, helpers, and laborers .....	442	9	10	17	78	272	43	11	3	74.2	3.1
<b>BLACK</b>											
<b>Male</b>											
25 to 64 years .....	4 542	71	174	151	663	1 863	940	431	250	76.7	15.0
Executive, administrative, and managerial .....	314	-	4	4	15	28	112	100	50	92.6	47.9
Professional specialty .....	354	-	-	-	11	43	57	107	136	96.9	68.5
Technicians and related support .....	102	-	-	-	4	15	42	28	14	95.9	40.8
Sales .....	196	3	2	6	3	69	47	49	18	93.3	34.4
Administrative support, including clerical .....	374	2	2	11	28	152	122	49	8	88.5	15.3
Private household .....	4	-	-	-	-	4	-	-	-	(B)	(B)
Other service .....	650	10	17	23	96	312	145	46	3	77.7	7.5
Farming, forestry, and fishing .....	157	18	27	16	44	39	6	6	2	33.6	4.8
Precision production, craft, and repair .....	816	6	27	23	139	432	156	16	17	76.1	4.0
Machine operators, assemblers, and inspectors .....	543	12	29	17	129	262	83	12	-	65.8	2.2
Transportation and material moving .....	502	8	43	34	84	233	94	3	3	66.4	1.2
Handlers, equipment cleaners, helpers, and laborers .....	532	13	24	19	111	274	77	15	-	68.8	2.9

See footnote at end of table.

**Table 7. Years of School Completed by Persons 18 to 64 Years Old, by Occupation of Employed Persons, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Occupation, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>BLACK—Con.</b>											
<b>Female</b>											
25 to 64 years.....	4 861	53	126	60	619	2 112	1 034	544	312	82.3	17.6
Executive, administrative, and managerial.....	400	-	-	2	10	107	97	112	71	96.9	45.7
Professional specialty.....	577	1	1	-	12	51	102	229	182	97.7	71.2
Technicians and related support.....	222	-	-	-	9	97	62	37	17	95.9	24.2
Sales.....	334	6	-	-	38	150	97	35	8	86.6	12.8
Administrative support, including clerical.....	1 186	2	1	-	41	589	427	102	24	96.3	10.8
Private household.....	175	6	35	9	55	53	18	-	-	40.5	-
Other service.....	1 129	26	67	35	269	571	142	14	5	64.8	1.7
Farming, forestry, and fishing.....	19	4	1	-	3	8	2	-	-	(B)	(B)
Precision production, craft, and repair.....	106	-	3	-	18	74	7	8	-	82.7	7.8
Machine operators, assemblers, and inspectors.....	542	1	16	14	143	295	64	7	2	67.8	1.6
Transportation and material moving.....	64	-	-	-	10	47	6	-	-	(B)	(B)
Handlers, equipment cleaners, helpers, and laborers.....	105	8	2	-	12	89	10	1	3	78.9	3.8
<b>HISPANIC ORIGIN<sup>1</sup></b>											
<b>Male</b>											
25 to 64 years.....	3 854	384	567	227	535	1 069	596	297	180	55.8	12.4
Executive, administrative, and managerial.....	312	8	13	12	15	71	77	79	36	64.5	37.0
Professional specialty.....	247	2	1	2	5	30	53	62	92	95.7	62.0
Technicians and related support.....	69	-	3	-	1	16	35	5	9	(B)	(B)
Sales.....	271	13	5	4	34	102	82	32	16	76.2	16.6
Administrative support, including clerical.....	196	9	6	15	19	64	46	35	4	75.2	19.5
Private household.....	-	-	-	-	-	-	-	-	-	(B)	(B)
Other service.....	614	53	143	32	89	171	81	35	10	48.4	7.4
Farming, forestry, and fishing.....	290	97	84	9	39	40	20	-	-	20.9	-
Precision production, craft, and repair.....	800	63	118	57	152	273	116	13	9	51.4	2.7
Machine operators, assemblers, and inspectors.....	482	63	100	50	80	124	54	12	-	39.4	2.5
Transportation and material moving.....	241	25	22	21	45	84	31	14	-	53.3	5.7
Handlers, equipment cleaners, helpers, and laborers.....	331	51	72	24	57	93	22	10	2	38.3	3.6
<b>Female</b>											
25 to 64 years.....	2 617	180	266	133	336	903	448	220	130	65.0	13.4
Executive, administrative, and managerial.....	190	1	5	-	12	54	64	40	14	90.2	28.2
Professional specialty.....	244	-	-	1	2	30	52	79	80	98.9	65.2
Technicians and related support.....	61	-	-	-	2	19	22	16	2	(B)	(B)
Sales.....	244	7	13	7	26	115	40	23	10	77.4	13.5
Administrative support, including clerical.....	600	3	10	11	44	306	163	33	9	88.5	7.0
Private household.....	115	25	23	8	25	24	5	5	2	30.7	5.6
Other service.....	526	58	67	45	117	171	51	13	6	45.6	3.4
Farming, forestry, and fishing.....	33	4	10	5	5	7	3	-	-	(B)	(B)
Precision production, craft, and repair.....	66	13	16	2	6	33	6	5	-	51.5	6.1
Machine operators, assemblers, and inspectors.....	450	66	114	44	83	115	16	5	7	31.8	2.7
Transportation and material moving.....	28	-	2	3	5	11	6	-	-	(B)	(B)
Handlers, equipment cleaners, helpers, and laborers.....	40	3	3	7	6	18	-	1	2	(B)	(B)

<sup>1</sup>Persons of Hispanic origin may be of any race.







Table 8. income by Years of School Completed for Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989—Con.

[Numbers in thousands except for medians and means. Non institutional population]

Table with 14 columns: Income, standard error, age, sex, race, and Hispanic origin; Total; Less than 4 years of high school (Elementary: 0-4 years, 5-7 years, 8 years; High school 1-3 years); 4 years of high school or more (High school 4 years, College 1-3 years); 4 or more years of college (Total, 4 years, 5 or more years). Rows include categories like WHITE, Both Sexes, Male, and various age groups (18 years and over, 25 years and over, etc.) with income, median income, and mean income data.

See footnote at end of table.





Table 8. Income by Years of School Completed for Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989—Con.

[Numbers in thousands except for medians and means. Non institutional population]

Table with 13 columns: Income, standard error, age, sex, race, and Hispanic origin; Total; Less than 4 years of high school (Elementary: 0-4, 5-7, 8 years; High school: 1-3 years); 4 years of high school or more (High school: 4 years; College: 1-3 years; 4 or more years of college: Total, 4 years, 5 or more years). Rows include categories like BLACK-Con, Female-Con, and HISPANIC ORIGIN' with various income and standard error metrics.

See footnote at end of table.





**Table 8. Income by Years of School Completed for Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

[Numbers in thousands except for medians and means. Non institutional population]

Income, standard error, age, sex, race, and Hispanic origin	Total	Less than 4 years of high school				4 years of high school or more						
		Total	Elementary			High school 1-3 years	Total	High school 4 years	College 1-3 years	4 or more years of college		
			0-4 years	5-7 years	6 years					Total	4 years	5 or more years
<b>HISPANIC ORIGIN<sup>1</sup>—Con.</b>												
<b>Female—Con.</b>												
25 years and over, with income	4 410	2 015	456	603	323	634	2 394	1 336	614	444	284	161
Median income	7 822	5 606	4 931	5 399	5 479	6 466	11 516	9 472	13 027	19 560	17 639	22 667
Standard error	316	290	440	532	708	534	472	647	1 352	1 769	1 838	2 647
Mean income	10 663	6 763	5 652	6 470	6 776	7 832	13 946	10 970	15 211	21 149	16 943	25 046
Standard error	307	249	406	407	611	533	492	466	682	1 719	1 414	3 065
Year-round, full-time workers	1 705	507	89	159	82	178	1 197	597	340	260	158	102
Median income	15 728	11 066	9 800	10 440	11 228	12 362	16 519	15 774	21 533	24 826	23 956	26 322
Standard error	493	372	695	608	1 747	831	811	601	1 321	1 254	1 386	1 995
Mean income	16 042	12 047	9 782	11 044	11 622	14 261	20 583	16 798	22 353	26 959	24 650	30 203
Standard error	562	536	653	727	1 197	1 161	727	670	989	2 462	1 748	5 647
25 to 34 years, with income	1 575	559	63	145	90	260	1 016	507	302	207	142	65
Median income	8 463	5 914	(B)	6 819	5 670	6 036	11 384	9 262	12 284	16 976	19 844	(B)
Standard error	471	549	(B)	1 026	1 205	832	746	909	1 579	2 096	2 810	(B)
Mean income	10 610	6 367	(B)	6 275	6 834	6 730	12 943	9 976	13 636	19 194	19 643	(B)
Standard error	439	393	(B)	621	1 257	599	605	624	1 152	1 632	1 926	(B)
Year-round, full-time workers	656	144	10	49	32	53	512	232	154	126	84	42
Median income	15 576	10 098	(B)	(B)	(B)	(B)	17 445	15 003	20 354	23 312	25 160	(B)
Standard error	697	679	(B)	(B)	(B)	(B)	971	905	2 591	2 047	2 060	(B)
Mean income	17 422	10 661	(B)	(B)	(B)	(B)	19 318	15 219	21 247	24 528	26 064	(B)
Standard error	677	786	(B)	(B)	(B)	(B)	772	723	1 332	1 940	2 150	(B)
35 to 44 years, with income	1 137	435	95	132	65	143	702	393	194	116	66	49
Median income	9 711	7 413	6 257	6 924	(B)	6 929	12 151	10 456	12 954	24 342	(B)	(B)
Standard error	576	650	919	1 198	(B)	1 222	1 161	1 126	3 150	1 902	(B)	(B)
Mean income	12 608	7 881	7 951	7 123	(B)	6 486	15 536	12 206	16 586	25 103	(B)	(B)
Standard error	672	656	1 339	791	(B)	1 491	956	1 000	1 700	3 199	(B)	(B)
Year-round, full-time workers	556	159	45	47	20	46	396	197	120	80	43	37
Median income	16 213	10 902	(B)	(B)	(B)	(B)	19 692	16 574	22 408	25 675	(B)	(B)
Standard error	697	493	(B)	(B)	(B)	(B)	1 411	1 146	2 734	1 654	(B)	(B)
Mean income	19 176	11 647	(B)	(B)	(B)	(B)	22 126	18 111	23 807	29 536	(B)	(B)
Standard error	1 021	1 126	(B)	(B)	(B)	(B)	1 259	1 449	1 631	3 631	(B)	(B)
45 to 54 years, with income	683	312	63	124	50	116	310	165	64	62	39	23
Median income	6 957	6 472	6 543	5 555	(B)	6 319	13 246	11 373	(B)	(B)	(B)	(B)
Standard error	788	762	1 633	1 153	(B)	2 322	1 459	1 584	(B)	(B)	(B)	(B)
Mean income	11 566	7 731	6 943	6 803	(B)	9 725	16 164	13 071	(B)	(B)	(B)	(B)
Standard error	1 027	835	1 025	993	(B)	1 378	2 025	1 411	(B)	(B)	(B)	(B)
Year-round, full-time workers	320	134	27	41	14	52	186	112	43	31	19	11
Median income	14 908	12 104	(B)	(B)	(B)	(B)	16 017	15 674	(B)	(B)	(B)	(B)
Standard error	1 067	951	(B)	(B)	(B)	(B)	1 742	1 749	(B)	(B)	(B)	(B)
Mean income	17 996	13 184	(B)	(B)	(B)	(B)	21 454	17 640	(B)	(B)	(B)	(B)
Standard error	1 861	1 014	(B)	(B)	(B)	(B)	3 031	1 726	(B)	(B)	(B)	(B)
55 to 64 years, with income	498	292	85	61	40	86	206	135	36	35	23	13
Median income	6 577	4 712	3 721	4 603	(B)	6 471	11 976	6 440	(B)	(B)	(B)	(B)
Standard error	701	564	681	1 313	(B)	1 458	2 006	2 056	(B)	(B)	(B)	(B)
Mean income	9 314	6 439	4 281	6 531	(B)	6 056	13 395	10 305	(B)	(B)	(B)	(B)
Standard error	724	633	716	1 196	(B)	1 362	1 341	1 357	(B)	(B)	(B)	(B)
Year-round, full-time workers	156	69	7	22	16	25	89	49	21	19	10	6
Median income	15 804	(B)	(B)	(B)	(B)	(B)	20 233	(B)	(B)	(B)	(B)	(B)
Standard error	2 224	(B)	(B)	(B)	(B)	(B)	2 364	(B)	(B)	(B)	(B)	(B)
Mean income	16 487	(B)	(B)	(B)	(B)	(B)	19 134	(B)	(B)	(B)	(B)	(B)
Standard error	1 241	(B)	(B)	(B)	(B)	(B)	1 776	(B)	(B)	(B)	(B)	(B)
65 years and over, with income	517	357	129	121	76	29	160	117	16	25	14	11
Median income	4 775	4 351	4 393	4 264	4 351	(B)	6 437	6 369	(B)	(B)	(B)	(B)
Standard error	261	255	445	374	657	(B)	656	719	(B)	(B)	(B)	(B)
Mean income	6 650	5 272	4 636	5 615	5 440	(B)	9 729	8 557	(B)	(B)	(B)	(B)
Standard error	596	459	354	1 050	967	(B)	1 549	1 317	(B)	(B)	(B)	(B)
Year-round, full-time workers	15	1	-	1	-	-	14	7	3	5	2	3
Median income	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Standard error	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Mean income	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Standard error	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)

<sup>1</sup>Persons of Hispanic origin may be of any race.



Table 9. Earnings, by Years of School Completed for Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989—Con.

[Numbers in thousands except for medians and means. Noninstitutional population]

Table with columns for Age, Sex, Race, and Hispanic Origin, and rows for Earnings, standard error, age, sex, race, and Hispanic origin. The table is divided into sections for ALL RACES—Con., Male—Con., and Female, with further breakdowns by age groups (18 years and over, 18 to 24 years, 25 years and over, 25 to 34 years, 35 to 44 years, 45 to 54 years, 55 to 64 years) and education levels (Less than 4 years of high school, 4 years of high school or more). Education levels are further categorized into Elementary (0-4 years, 5-7 years, 8 years) and High school (1-3 years), and College (1-3 years, 4 or more years of college).

See footnote at end of table.





Table 9. Earnings, by Years of School Completed for Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989--Con.

[Numbers in thousands except for medians and means. Noninstitutional population]

Table with columns for Earnings, standard error, age, sex, race, and Hispanic origin. Rows include categories like WHITE--Con., Male--Con., and Female, with sub-rows for various age groups (45 to 54, 55 to 64, 65 and over, 18 years and over, 18 to 24, 25 and over, 25 to 34, 35 to 44) and their corresponding earnings and standard errors. Columns are categorized by years of high school completed (Less than 4 years, 4 years, 4 or more years) and further subdivided into Elementary, High school, and College levels.

See footnote at end of table.

Table 9. Earnings, by Years of School Completed for Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin: March 1989—Con.

(Numbers in thousands except for medians and means. Noninstitutional population)

Table with columns for Age, Sex, Race, Hispanic Origin, and Years of School Completed (Less than 4 years of high school, 4 years of high school or more). Rows include earnings, median earnings, mean earnings, and standard error for various demographic groups like WHITE—Con. Female—Con. and BLACK Both Sexes.

See footnote at end of table.



























**Table 10. Years of School Completed by Persons 18 Years Old and Over, by Metropolitan and Nonmetropolitan Residence, Age, Sex, Race, and Hispanic Origin: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Metropolitan status, age, sex, race, and Hispanic origin	Total	Elementary			High school		College			Percent completed—	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>HISPANIC ORIGIN<sup>1</sup>—Con.</b>											
<b>Male—Con.</b>											
45 to 64 years .....	1 315	221	207	119	184	298	134	84	59	43.7	10.8
Metropolitan areas .....	1 221	194	188	108	179	284	130	83	58	45.4	11.5
Metropolitan areas 1,000,000+ ..	907	126	137	83	134	217	103	65	42	47.0	11.6
Central city .....	550	91	94	67	91	105	49	37	16	37.6	8.7
Balance of MSA .....	357	35	43	16	43	112	54	28	26	61.5	15.1
Metropolitan areas < 1,000,000 ..	314	68	48	25	45	67	27	18	16	40.7	10.8
Central city .....	165	35	24	14	32	39	18	11	12	42.8	12.0
Balance of MSA .....	129	34	24	10	13	28	9	7	4	37.5	9.0
Nonmetropolitan area .....	94	27	22	11	14	14	5	1	1	21.6	1.9
Farm .....	12	6	2	3	-	1	-	-	-	(B)	(B)
65 years and over .....	447	127	91	61	53	57	26	19	12	25.7	7.1
Metropolitan areas .....	403	113	76	55	50	54	24	19	12	27.2	7.7
Metropolitan areas 1,000,000+ ..	294	72	58	41	38	41	21	13	6	28.4	7.1
Central city .....	173	40	39	22	26	15	7	5	5	25.3	7.0
Balance of MSA .....	122	32	20	19	11	26	5	6	3	32.8	7.3
Metropolitan areas < 1,000,000 ..	109	40	18	13	11	13	3	6	5	24.0	9.3
Central city .....	74	26	15	7	9	10	3	2	3	(B)	(B)
Balance of MSA .....	35	14	3	6	3	3	-	4	1	(B)	(B)
Nonmetropolitan area .....	44	14	14	7	4	3	2	1	-	(B)	(B)
Farm .....	3	2	1	-	-	-	-	-	-	(B)	(B)
<b>Female</b>											
18 years and over .....	6 580	871	889	460	1 102	2 087	672	326	172	52.6	7.8
Metropolitan areas .....	6 116	608	629	425	1 027	1 925	623	316	160	52.6	7.8
Metropolitan areas 1,000,000+ ..	4 312	425	640	291	729	1 324	573	222	108	51.8	7.8
Central city .....	2 579	287	456	194	470	736	279	100	57	45.4	6.1
Balance of MSA .....	1 734	138	184	97	259	588	295	122	51	60.9	10.0
Metropolitan areas < 1,000,000 ..	1 804	181	189	134	298	601	250	97	53	55.5	6.3
Central city .....	892	102	98	77	162	336	129	52	36	55.8	9.0
Balance of MSA .....	611	80	90	57	136	265	121	45	16	55.2	7.5
Nonmetropolitan area .....	484	65	60	35	74	182	49	7	12	49.5	4.1
Farm .....	41	13	6	6	3	11	2	-	-	(B)	(B)
25 years and over .....	5 310	639	791	398	790	1 570	659	297	169	50.7	8.8
Metropolitan areas .....	4 927	576	740	364	732	1 448	620	290	157	51.0	9.1
Metropolitan areas 1,000,000+ ..	3 514	408	572	258	525	1 013	437	196	106	49.9	6.6
Central city .....	2 060	277	402	164	329	539	207	88	58	43.1	6.9
Balance of MSA .....	1 454	128	170	94	195	475	230	110	51	59.6	11.1
Metropolitan areas < 1,000,000 ..	1 413	172	168	106	208	433	183	93	51	53.7	10.2
Central city .....	780	97	87	64	116	244	91	49	34	53.4	10.6
Balance of MSA .....	633	75	61	42	92	189	92	45	16	54.1	9.6
Nonmetropolitan area .....	383	61	51	32	58	124	38	7	12	47.3	4.9
Farm .....	30	9	6	6	-	6	-	-	-	(B)	(B)
25 to 44 years .....	3 271	245	385	189	505	1 084	630	214	120	59.5	10.2
Metropolitan areas .....	3 047	228	359	178	478	994	498	209	111	59.5	10.5
Metropolitan areas 1,000,000+ ..	2 132	171	268	126	338	675	344	133	76	57.8	9.8
Central city .....	1 238	124	194	61	215	364	160	59	40	50.3	6.0
Balance of MSA .....	894	47	74	45	122	311	184	74	35	67.7	12.3
Metropolitan areas < 1,000,000 ..	915	56	91	52	132	318	154	76	35	63.8	12.2
Central city .....	474	27	34	32	70	175	76	37	23	65.7	12.7
Balance of MSA .....	441	29	57	20	62	143	78	39	12	61.6	11.6
Nonmetropolitan area .....	224	17	26	11	35	90	32	5	9	60.4	6.0
Farm .....	15	4	4	1	-	6	-	-	-	(B)	(B)
45 to 64 years .....	1 481	246	274	124	254	369	110	67	38	39.4	7.0
Metropolitan areas .....	1 370	222	258	108	234	343	104	64	36	40.0	7.3
Metropolitan areas 1,000,000+ ..	995	147	203	77	170	248	76	52	22	40.0	7.4
Central city .....	595	100	141	45	105	131	37	24	12	34.3	6.0
Balance of MSA .....	400	48	62	33	65	117	39	28	10	48.4	9.4
Metropolitan areas < 1,000,000 ..	375	74	55	31	64	85	28	13	14	40.0	7.1
Central city .....	226	43	38	21	38	56	14	10	10	39.7	6.6
Balance of MSA .....	150	31	20	10	26	39	14	3	5	40.4	5.0
Nonmetropolitan area .....	111	24	16	8	20	26	6	2	2	31.9	3.6
Farm .....	10	4	2	3	-	1	-	-	-	(B)	(B)
65 years and over .....	558	148	133	63	31	118	18	16	11	29.3	4.9
Metropolitan areas .....	510	128	123	76	29	110	18	16	10	30.0	5.1
Metropolitan areas 1,000,000+ ..	387	67	101	55	17	90	17	12	9	32.9	5.2
Central city .....	227	53	67	38	9	44	9	3	4	26.3	3.0
Balance of MSA .....	159	33	34	16	6	47	7	6	5	42.3	8.4
Metropolitan areas < 1,000,000 ..	124	42	21	23	12	19	1	4	1	21.0	4.6
Central city .....	61	27	17	11	10	13	-	2	1	19.9	4.0
Balance of MSA .....	43	15	4	12	2	7	1	2	-	(B)	(B)
Nonmetropolitan area .....	48	20	10	5	3	6	1	-	1	(B)	(B)
Farm .....	5	1	-	1	-	1	-	-	-	(B)	(B)

<sup>1</sup>Persons of Hispanic origin may be of any race.

**Table 11. Years of School Completed by Persons 18 Years Old and Over, by Metropolitan and Nonmetropolitan Residence and Region: March 1989**

(Numbers in thousands. Noninstitutional population)

Residence and region	Total	Elementary			High school		College			Percent completed -	
		0 - 4 years	5 - 7 years	8 years	1 - 3 years	4 years	1 - 3 years	4 years	5 or more years	4 years of high school or more	4 or more years of college
<b>NORTHEAST</b>											
18 years and over .....	38 251	647	1 215	1 864	4 544	15 503	6 368	4 680	3 430	78.4	21.2
Metropolitan areas .....	33 763	614	1 080	1 575	3 938	13 506	5 698	4 267	3 085	78.7	21.8
Metropolitan areas 1,000,000 + ..	18 226	411	660	795	2 037	7 032	3 089	2 415	1 787	78.8	23.1
Central city .....	7 867	294	457	456	1 113	2 825	1 235	801	686	70.5	18.9
Balance of MSA .....	10 359	117	203	338	924	4 206	1 854	1 614	1 101	84.7	26.2
Metropolitan areas < 1,000,000 ..	15 537	204	420	781	1 901	6 475	2 608	1 852	1 297	78.7	20.3
Central city .....	4 344	82	167	267	665	1 779	651	461	271	72.8	16.8
Balance of MSA .....	11 193	122	253	514	1 236	4 695	1 957	1 391	1 026	81.0	21.6
Nonmetropolitan area .....	4 487	32	136	289	606	1 996	670	412	346	76.3	16.9
Farm .....	179	2	5	24	23	80	21	18	7	70.3	14.0
<b>MIDWEST</b>											
18 years and over .....	43 575	481	919	2 343	5 327	18 881	8 107	4 478	3 039	79.2	17.3
Metropolitan areas .....	31 260	335	629	1 407	3 815	12 800	6 190	3 652	2 433	80.2	19.5
Metropolitan areas 1,000,000 + ..	17 464	210	406	760	2 078	6 703	3 565	2 225	1 517	80.2	21.4
Central city .....	6 644	114	225	388	1 062	2 363	1 293	710	489	73.1	18.1
Balance of MSA .....	10 819	96	181	373	1 016	4 339	2 272	1 515	1 027	84.0	23.5
Metropolitan areas < 1,000,000 ..	13 796	124	224	646	1 736	6 098	2 625	1 427	916	80.2	17.0
Central city .....	5 718	63	103	269	800	2 283	1 142	648	409	78.4	18.5
Balance of MSA .....	8 078	61	121	377	937	3 814	1 483	779	506	81.5	15.9
Nonmetropolitan area .....	12 315	147	290	937	1 512	6 080	1 917	626	607	76.6	11.6
Farm .....	1 722	9	34	170	170	891	284	106	57	77.7	9.5
<b>SOUTH</b>											
18 years and over .....	61 585	1 871	3 285	2 823	8 717	23 229	10 840	6 622	4 198	72.9	17.6
Metropolitan areas .....	44 235	1 056	2 042	1 653	5 626	16 365	8 467	5 540	3 487	76.5	20.4
Metropolitan areas 1,000,000 + ..	19 853	419	895	597	2 344	6 985	3 892	2 908	1 812	78.6	23.8
Central city .....	7 343	268	481	280	970	2 471	1 381	911	581	72.8	20.3
Balance of MSA .....	12 509	151	414	316	1 374	4 514	2 511	1 998	1 231	82.0	25.8
Metropolitan areas < 1,000,000 ..	24 382	637	1 147	1 056	3 282	9 380	4 575	2 632	1 674	74.9	17.7
Central city .....	10 428	307	484	448	1 322	3 767	2 025	1 230	844	75.4	19.5
Balance of MSA .....	13 954	330	662	608	1 960	5 612	2 550	1 401	830	74.5	16.0
Nonmetropolitan area .....	17 351	815	1 243	1 170	3 091	6 864	2 373	1 082	711	63.6	10.3
Farm .....	1 030	33	84	56	193	401	149	76	38	64.5	11.1
<b>WEST</b>											
18 years and over .....	36 373	1 035	1 287	1 142	3 806	12 729	8 362	4 744	3 267	80.0	22.0
Metropolitan areas .....	31 022	917	1 129	896	3 088	10 540	7 236	4 295	2 920	80.6	23.3
Metropolitan areas 1,000,000 + ..	21 840	683	883	605	2 080	7 103	5 089	3 256	2 182	80.6	24.9
Central city .....	9 004	385	569	303	863	2 596	2 024	1 352	912	76.5	25.1
Balance of MSA .....	12 836	278	314	302	1 216	4 508	3 045	1 904	1 270	83.6	24.7
Metropolitan areas < 1,000,000 ..	9 181	254	246	291	1 008	3 437	2 168	1 039	738	80.4	19.4
Central city .....	4 374	91	108	113	503	1 581	1 028	557	393	81.4	21.7
Balance of MSA .....	4 808	164	138	178	505	1 856	1 140	482	345	79.5	17.2
Nonmetropolitan area .....	5 351	118	159	246	718	2 188	1 126	449	347	76.8	14.9
Farm .....	506	41	24	31	52	212	85	37	24	70.8	12.0



**Table 12. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for Regions and Divisions: March 1989**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, Hispanic origin, region, and division	Total	Elementary, 0 to 8 years	High school		College		Percent completed—		
			1 to 3 years	4 years	1 to 3 years	4 or more years	4 years of high school or more	1 or more years of college	4 or more years of college
<b>NORTHEAST</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	38 251	3 726	4 544	15 500	6 368	8 110	78.4	37.8	21.2
18 to 24 years .....	5 186	121	858	2 249	1 470	488	81.1	37.8	9.4
25 years and over .....	33 064	3 605	3 687	13 254	4 898	7 622	77.9	37.9	23.1
25 to 34 years .....	8 997	226	640	3 812	1 779	2 540	90.4	48.0	28.2
35 to 44 years .....	7 367	345	478	2 907	1 371	2 268	88.9	49.4	30.8
45 to 54 years .....	5 212	445	598	2 199	689	1 290	80.2	38.0	24.7
55 to 64 years .....	4 896	677	853	2 027	498	640	68.7	27.3	17.2
65 years and over .....	8 593	1 912	1 129	2 308	560	684	53.9	18.9	10.4
<b>Male, 18 years and over .....</b>									
18 to 24 years .....	17 877	1 656	2 147	6 817	2 947	4 310	78.7	40.6	24.1
25 years and over .....	2 538	83	458	1 110	687	219	79.5	35.7	8.6
25 to 34 years .....	15 340	1 594	1 689	5 707	2 260	4 091	78.6	41.4	26.7
35 to 44 years .....	4 382	122	330	1 847	835	1 248	89.7	47.5	26.5
45 to 54 years .....	3 598	180	237	1 274	675	1 233	88.4	53.0	34.3
55 to 64 years .....	2 526	241	291	974	312	709	79.0	40.4	28.1
65 years and over .....	2 249	292	373	821	223	540	70.4	33.9	24.0
65 years and over .....	2 585	759	458	793	215	360	52.9	22.3	13.9
<b>Female, 18 years and over .....</b>									
18 to 24 years .....	20 373	2 070	2 397	8 685	3 421	3 800	78.1	35.4	18.7
25 years and over .....	2 849	59	399	1 139	783	269	82.7	39.7	10.1
25 to 34 years .....	17 724	2 011	1 998	7 547	2 638	3 531	77.4	34.8	19.9
35 to 44 years .....	4 815	104	310	1 966	945	1 292	91.0	48.4	28.0
45 to 54 years .....	3 769	165	239	1 633	696	1 036	89.3	45.9	27.5
55 to 64 years .....	2 685	205	297	1 226	378	580	81.3	35.7	21.6
65 years and over .....	2 847	385	480	1 207	275	300	67.3	21.7	11.3
65 years and over .....	4 008	1 152	671	1 513	345	324	54.5	16.7	8.1
<b>White</b>									
Both sexes, 18 years and over...	33 720	3 095	3 609	13 858	5 645	7 313	79.5	38.4	21.7
18 to 24 years .....	4 464	101	668	1 987	1 279	429	82.8	38.3	9.6
25 years and over .....	29 256	2 994	3 142	11 871	4 365	6 884	79.0	38.5	23.5
25 to 34 years .....	7 646	178	514	3 352	1 518	2 285	91.2	48.5	29.1
35 to 44 years .....	6 478	271	376	2 545	1 253	2 031	90.0	50.7	31.4
45 to 54 years .....	4 543	349	466	1 962	613	1 151	82.1	38.9	25.3
55 to 64 years .....	4 355	537	744	1 853	448	773	70.6	28.0	17.7
65 years and over .....	8 036	1 660	1 041	2 158	533	644	55.3	19.5	10.7
<b>Black</b>									
Both sexes, 18 years and over...	3 538	481	636	1 398	594	430	66.4	28.9	12.2
18 to 24 years .....	580	15	153	228	146	38	71.0	31.7	6.5
25 years and over .....	2 959	466	483	1 170	448	393	67.9	28.4	13.3
25 to 34 years .....	872	33	114	388	212	125	83.2	38.7	14.4
35 to 44 years .....	642	37	64	293	97	130	81.0	35.4	20.3
45 to 54 years .....	509	69	108	201	63	68	65.3	25.7	13.3
55 to 64 years .....	471	123	97	162	48	41	53.3	18.9	8.7
65 years and over .....	485	204	80	126	28	28	39.0	12.0	6.1
<b>Hispanic origin<sup>1</sup></b>									
Both sexes, 18 years and over...	2 231	579	394	737	319	203	56.4	23.4	9.1
18 to 24 years .....	417	47	112	187	81	10	61.7	21.7	2.4
25 years and over .....	1 815	532	282	570	238	193	55.2	23.8	10.6
25 to 34 years .....	669	79	101	260	138	82	73.1	34.3	13.7
35 to 44 years .....	436	128	51	159	50	48	58.9	22.5	11.1
45 to 54 years .....	333	137	78	89	25	26	36.3	15.4	7.9
55 to 64 years .....	231	103	42	60	18	10	37.1	11.1	4.1
65 years and over .....	146	85	13	22	9	17	33.2	17.9	11.6
<b>MIDWEST</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	43 575	3 744	5 327	18 881	8 107	7 517	79.2	35.9	17.3
18 to 24 years .....	6 357	129	1 061	2 808	1 870	490	81.3	37.1	7.7
25 years and over .....	37 217	3 615	4 266	18 073	6 237	7 027	78.8	35.6	18.9
25 to 34 years .....	10 355	247	885	4 732	2 111	2 380	89.1	43.4	23.0
35 to 44 years .....	8 645	215	668	3 895	1 892	2 176	89.8	47.0	25.2
45 to 54 years .....	5 919	406	609	2 681	932	1 092	79.5	34.2	18.5
55 to 64 years .....	5 258	897	788	2 386	853	754	72.1	26.8	14.3
65 years and over .....	7 040	2 050	1 138	2 579	650	625	54.7	18.1	8.9
<b>Male, 18 years and over .....</b>									
18 to 24 years .....	20 868	1 607	2 526	8 468	3 878	4 189	79.2	38.7	20.1
25 years and over .....	3 089	64	566	1 318	900	223	79.5	36.6	7.3
25 to 34 years .....	17 799	1 743	1 961	7 152	2 978	3 966	79.2	39.0	22.3
35 to 44 years .....	5 168	131	482	2 277	1 019	1 258	88.1	44.1	24.3
45 to 54 years .....	4 323	103	301	1 688	944	1 287	90.7	51.6	29.8
55 to 64 years .....	2 878	211	385	1 195	451	657	80.0	38.5	22.8
65 years and over .....	2 524	414	368	1 001	287	453	69.0	29.4	18.0
65 years and over .....	2 906	884	444	991	276	311	54.3	20.2	10.7
<b>Female, 18 years and over .....</b>									
18 to 24 years .....	22 707	1 937	2 800	10 412	4 229	3 328	79.1	33.3	14.7
25 years and over .....	3 288	65	495	1 492	870	267	83.0	37.6	8.1
25 to 34 years .....	19 418	1 872	2 305	8 921	3 259	3 061	78.5	32.5	16.8
35 to 44 years .....	5 187	118	403	2 454	1 091	1 122	90.0	42.7	21.8
45 to 54 years .....	4 322	112	367	2 007	947	88	88.9	42.5	20.6
55 to 64 years .....	3 041	195	444	1 486	481	436	79.0	30.1	14.3
65 years and over .....	2 735	283	400	1 386	365	301	75.0	24.4	11.0
65 years and over .....	4 134	1 166	692	1 588	374	313	55.1	16.6	7.6

See footnote at end of table.

**Table 12. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for Regions and Divisions: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, region, and division	Total	Elementary, 0 to 8 years	High school		College		Percent completed—		
			1 to 3 years	4 years	1 to 3 years	4 or more years	4 years of high school or more	1 or more years of college	4 or more years of college
<b>MIDWEST—Con.</b>									
<b>White</b>									
Both sexes, 18 years and over ..	39 130	3 292	4 493	17 222	7 224	6 899	80.1	36.1	17.8
18 to 24 years .....	5 552	90	295	2 426	1 661	480	82.3	38.6	8.3
25 years and over .....	33 577	3 202	3 598	14 796	5 542	6 439	79.7	35.7	19.2
25 to 34 years .....	9 153	216	726	4 228	1 824	2 159	89.7	43.5	23.8
35 to 44 years .....	7 738	183	520	3 370	1 666	1 999	90.9	47.4	25.8
45 to 54 years .....	5 278	352	668	2 446	838	974	80.7	34.3	18.5
55 to 64 years .....	4 810	601	838	2 258	595	717	74.2	27.3	14.9
65 years and over .....	8 599	1 850	1 048	2 495	818	590	56.1	16.3	6.9
<b>Black</b>									
Both sexes, 18 years and over ..	3 680	361	782	1 449	728	360	88.9	29.8	9.8
18 to 24 years .....	669	33	148	334	137	18	73.2	23.2	2.7
25 years and over .....	3 011	328	636	1 115	591	341	68.0	31.0	11.3
25 to 34 years .....	968	12	149	443	240	125	83.4	37.7	12.9
35 to 44 years .....	782	21	145	291	193	111	78.2	40.0	14.8
45 to 54 years .....	501	41	131	192	80	57	85.5	27.2	11.3
55 to 64 years .....	390	79	125	113	55	18	47.8	18.8	4.7
65 years and over .....	390	175	86	78	24	29	33.1	13.7	7.5
<b>Hispanic origin<sup>1</sup></b>									
Both sexes, 18 years and over ..	926	263	151	277	138	97	55.3	25.4	10.5
18 to 24 years .....	199	35	48	75	35	8	59.4	22.0	4.1
25 years and over .....	727	229	105	202	103	89	54.2	26.4	12.3
25 to 34 years .....	313	78	53	85	56	43	58.7	31.8	13.8
35 to 44 years .....	194	50	20	66	28	30	63.9	29.8	15.2
45 to 54 years .....	114	45	19	24	13	14	44.4	23.8	12.2
55 to 64 years .....	64	31	12	15	3	3	(B)	(B)	(B)
65 years and over .....	41	27	1	12	2	-	(B)	(B)	(B)
<b>SOUTH</b>									
<b>All Races</b>									
Both sexes, 18 years and over ..	81 585	7 980	8 717	23 229	10 840	10 820	72.9	35.2	17.6
18 to 24 years .....	9 026	432	1 813	3 880	2 233	669	75.1	32.1	7.4
25 years and over .....	52 559	7 548	8 904	19 349	8 608	10 151	72.5	35.7	22.3
25 to 34 years .....	14 814	669	1 690	8 115	2 832	3 308	83.9	42.0	19.8
35 to 44 years .....	11 960	841	1 177	4 452	2 445	3 045	83.1	45.9	25.5
45 to 54 years .....	8 643	1 107	1 185	3 364	1 341	1 645	73.5	34.5	19.0
55 to 64 years .....	7 339	1 517	1 201	2 595	931	1 094	63.0	27.8	14.9
65 years and over .....	10 004	3 413	1 650	2 823	1 059	1 058	49.4	21.2	10.8
<b>Male, 18 years and over .....</b>									
18 to 24 years .....	29 197	3 954	4 022	10 266	5 147	5 808	72.7	37.5	19.9
25 years and over .....	4 367	245	946	1 838	1 073	669	72.7	30.7	8.1
25 to 34 years .....	24 830	3 709	3 077	8 430	4 074	5 540	72.7	38.7	22.3
35 to 44 years .....	7 250	360	913	2 948	1 361	1 669	82.4	41.8	23.0
45 to 54 years .....	5 857	487	522	1 956	1 188	1 723	83.1	49.7	29.4
55 to 64 years .....	4 152	579	515	1 462	648	948	73.7	38.4	22.8
65 years and over .....	3 418	789	471	1 032	481	685	63.1	32.9	19.4
<b>Female, 18 years and over .....</b>									
18 to 24 years .....	32 388	4 026	4 895	12 953	5 693	5 012	73.1	33.1	15.5
25 years and over .....	4 659	187	867	2 044	1 139	401	77.4	33.5	8.8
25 to 34 years .....	27 729	3 827	3 827	10 919	4 534	4 811	72.4	33.0	18.6
35 to 44 years .....	7 364	309	777	3 188	1 471	1 639	85.3	42.2	22.3
45 to 54 years .....	6 104	374	855	2 486	1 257	1 322	83.1	42.3	21.7
55 to 64 years .....	4 490	528	870	1 902	692	897	73.3	30.9	15.5
65 years and over .....	3 921	728	730	1 563	470	429	62.6	22.9	11.0
65 years and over .....	5 851	1 899	995	1 789	643	524	50.5	19.9	9.0
<b>White</b>									
Both sexes, 18 years and over ..	49 834	5 841	6 357	18 838	9 037	9 561	75.4	37.5	19.3
18 to 24 years .....	6 831	351	1 248	2 861	1 802	569	76.6	34.7	8.3
25 years and over .....	42 803	5 490	5 109	15 977	7 235	8 992	75.2	37.9	21.0
25 to 34 years .....	11 417	549	1 191	4 829	2 203	2 844	84.6	44.2	24.9
35 to 44 years .....	9 600	629	786	3 493	2 017	2 675	85.3	48.9	27.9
45 to 54 years .....	7 128	771	829	2 880	1 187	1 461	77.6	37.1	20.5
55 to 64 years .....	6 140	1 091	910	2 318	817	1 005	67.4	29.7	18.4
65 years and over .....	8 518	2 449	1 393	2 659	1 011	1 007	54.9	23.7	11.8
<b>Black</b>									
Both sexes, 18 years and over ..	1 017	1 998	2 260	4 095	1 661	1 003	81.4	24.2	9.1
18 to 24 years .....	2 045	70	538	962	399	78	70.4	23.3	3.8
25 years and over .....	8 972	1 928	1 724	3 133	1 263	925	59.3	24.4	10.3
25 to 34 years .....	2 911	101	470	1 383	592	365	80.4	32.9	12.5
35 to 44 years .....	2 122	177	377	884	389	295	73.9	32.3	13.9
45 to 54 years .....	1 399	319	339	453	144	144	52.9	20.6	10.3
55 to 64 years .....	1 128	403	281	266	97	81	39.3	15.7	7.2
65 years and over .....	1 412	928	257	146	41	41	16.1	5.8	2.9
<b>Hispanic origin<sup>1</sup></b>									
Both sexes, 18 years and over ..	4 202	1 334	623	1 287	550	428	53.4	23.3	10.2
18 to 24 years .....	810	140	210	317	121	21	56.8	17.6	2.8
25 years and over .....	3 393	1 195	413	950	428	406	52.6	24.6	12.0
25 to 34 years .....	1 214	258	195	400	197	164	82.7	29.8	13.5
35 to 44 years .....	848	255	90	269	125	119	60.5	28.8	14.0
45 to 54 years .....	536	201	70	144	81	60	49.3	22.5	11.2
55 to 64 years .....	378	209	40	67	27	35	34.1	18.3	9.2
65 years and over .....	417	271	28	70	19	28	28.2	11.3	6.8

See footnote at end of table.

**Table 12. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for Regions and Divisions: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, region, and division	Total	Elementary, 0 to 8 years	High school		College		Percent complet <sup>1</sup> —		
			1 to 3 years	4 years	1 to 3 years	4 or more years	4 years of high school or more	1 or more years of college	4 or more years of college
<b>WEST</b>									
<b>All Races</b>									
Both sexes, 18 years and over ..	36 373	3 465	3 808	12 729	6 362	6 011	80.0	45.0	22.0
16 to 24 years .....	5 058	310	843	2 088	1 491	246	75.2	34.3	4.9
25 years and over .....	31 315	3 154	2 863	10 641	6 872	7 765	80.8	48.7	24.6
25 to 34 years .....	9 274	658	798	3 242	2 349	2 226	84.3	49.3	24.0
35 to 44 years .....	7 901	541	529	2 311	2 003	2 516	86.5	57.2	31.6
45 to 54 years .....	4 848	415	388	1 725	955	1 385	83.8	48.3	28.6
55 to 64 years .....	3 906	444	458	1 458	785	781	78.9	39.8	20.0
65 years and over .....	5 386	1 096	710	1 925	799	856	66.5	30.7	15.9
Male, 18 years and over .....	17 656	1 745	1 893	5 656	4 137	4 426	79.8	48.0	24.6
16 to 24 years .....	2 600	175	543	1 048	724	110	72.4	32.1	4.2
25 years and over .....	15 256	1 570	1 350	4 608	3 413	4 318	80.9	50.7	28.3
25 to 34 years .....	4 682	336	403	1 588	1 175	1 180	84.2	50.1	24.9
35 to 44 years .....	3 903	278	246	976	1 015	1 387	86.6	61.5	35.5
45 to 54 years .....	2 359	208	152	709	486	604	84.7	54.7	34.1
55 to 64 years .....	1 698	234	182	609	376	497	78.1	48.0	26.2
65 years and over .....	2 434	514	368	724	362	468	63.8	34.1	19.2
Female, 18 years and over .....	18 518	1 720	1 913	7 073	4 225	3 585	80.4	42.2	19.4
16 to 24 years .....	2 458	135	400	1 020	767	136	78.2	36.7	5.5
25 years and over .....	16 058	1 585	1 513	6 053	3 458	3 448	80.7	43.0	21.5
25 to 34 years .....	4 611	322	395	1 854	1 174	1 066	84.5	48.6	23.1
35 to 44 years .....	3 998	263	284	1 333	969	1 129	86.3	53.0	28.2
45 to 54 years .....	2 489	207	216	1 016	469	581	83.0	42.2	23.3
55 to 64 years .....	2 009	211	275	650	389	294	75.8	33.5	14.1
65 years and over .....	2 952	582	343	1 201	437	388	68.6	28.0	13.1
<b>White</b>									
Both sexes, 18 years and over ..	31 549	2 891	3 361	11 114	7 319	6 684	80.2	45.0	21.8
16 to 24 years .....	4 282	281	821	1 748	1 228	203	74.2	33.4	4.7
25 years and over .....	27 267	2 609	2 540	9 365	6 092	6 681	81.1	46.8	24.4
25 to 34 years .....	7 655	568	713	2 780	1 988	1 828	83.7	48.6	23.3
35 to 44 years .....	6 872	480	478	2 024	1 782	2 128	86.3	56.9	31.0
45 to 54 years .....	4 178	330	320	1 513	842	1 173	84.5	48.2	28.1
55 to 64 years .....	3 513	388	383	1 302	714	727	78.1	41.0	20.7
65 years and over .....	4 849	866	646	1 766	766	605	68.6	32.4	16.6
<b>Black</b>									
Both sexes, 18 years and over ..	1 748	118	177	720	452	282	83.1	42.0	18.1
16 to 24 years .....	296	-	59	149	75	12	79.9	29.4	3.9
25 years and over .....	1 452	118	116	570	377	270	83.6	44.5	18.6
25 to 34 years .....	637	16	42	257	220	103	90.6	50.8	18.1
35 to 44 years .....	374	-	7	141	111	114	98.1	60.3	30.6
45 to 54 years .....	156	5	10	75	31	35	90.3	42.4	22.4
55 to 64 years .....	118	7	39	58	7	5	80.1	9.8	4.0
65 years and over .....	169	90	19	39	8	14	35.9	12.8	6.0
<b>Hispanic origin<sup>1</sup></b>									
Both sexes, 18 years and over ..	5 702	1 880	1 088	1 599	779	355	47.9	19.9	8.2
16 to 24 years .....	1 198	246	349	414	175	15	50.3	15.8	1.2
25 years and over .....	4 503	1 634	740	1 185	604	341	47.3	21.0	7.6
25 to 34 years .....	1 772	514	315	517	294	133	53.2	24.1	7.5
35 to 44 years .....	1 191	395	193	311	198	95	50.8	24.4	6.0
45 to 54 years .....	662	258	106	174	80	64	45.0	18.8	9.6
55 to 64 years .....	478	207	83	113	39	35	39.3	15.7	7.4
65 years and over .....	401	280	43	70	15	14	24.6	7.1	3.4
<b>NEW ENGLAND</b>									
<b>All Races</b>									
Both sexes, 18 years and over ..	9 822	838	1 100	3 774	1 773	2 337	80.3	41.8	23.6
16 to 24 years .....	8 482	802	899	3 174	1 385	2 201	79.9	42.4	28.0
25 years and over .....	2 416	62	138	970	477	771	91.8	51.8	31.9
25 to 34 years .....	1 949	105	126	650	365	684	88.2	54.8	35.1
35 to 44 years .....	2 506	275	340	977	358	556	75.5	36.5	22.2
45 to 54 years .....	1 591	360	298	578	166	189	58.6	22.3	11.9
Male, 18 years and over .....	4 635	383	541	1 684	794	1 234	80.1	43.7	26.6
16 to 24 years .....	3 977	368	430	1 395	608	1 176	79.9	44.9	29.6
25 years and over .....	1 185	37	73	484	216	375	90.7	48.9	31.6
25 to 34 years .....	993	44	73	298	185	393	88.2	58.2	39.6
35 to 44 years .....	1 181	143	156	414	152	316	74.7	39.7	26.6
45 to 54 years .....	618	144	126	198	55	91	55.8	23.7	14.8
Female, 18 years and over .....	5 187	455	559	2 090	980	1 103	80.5	40.2	21.3
16 to 24 years .....	4 485	434	469	1 780	777	1 025	79.9	40.2	22.9
25 years and over .....	1 231	25	64	486	261	396	92.8	53.3	32.2
25 to 34 years .....	957	61	52	352	200	292	88.1	51.4	30.5
35 to 44 years .....	1 325	132	184	563	206	240	78.1	33.7	18.1
45 to 54 years .....	973	216	169	360	110	98	60.4	21.4	10.1
Persons 25 years and over .....	8 482	602	699	3 174	1 385	2 201	79.9	42.4	26.0
White .....	8 040	751	850	3 009	1 326	2 104	80.1	42.7	28.2
Black .....	278	15	43	128	45	49	79.1	33.8	17.6
Hispanic origin <sup>1</sup> .....	217	58	24	72	35	28	62.0	29.0	12.6

See footnote at end of table.

**Table 12. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for Regions and Divisions: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, Hispanic origin, region, and division	Total	Elementary, 0 to 6 years	High school		College		Percent completed—		
			1 to 3 years	4 years	1 to 3 years	4 or more years	4 years of high school or more	1 or more years of college	4 or more years of college
<b>MIDDLE ATLANTIC</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	28 426	2 688	3 444	11 726	4 595	5 773	77.7	36.5	20.3
25 years and over .....	24 602	2 802	2 787	10 079	3 513	5 421	77.3	36.3	22.0
25 to 34 years .....	6 581	164	504	2 842	1 303	1 789	89.9	48.7	26.9
35 to 44 years .....	5 417	239	351	2 257	866	1 584	89.1	47.4	29.2
45 to 64 years .....	7 601	848	1 101	3 249	830	1 573	74.4	31.6	20.7
65 years and over .....	5 002	1 551	831	1 730	394	495	52.4	17.8	9.9
Male, 18 years and over .....	13 242	1 273	1 606	5 133	2 153	3 078	78.3	39.5	23.2
25 years and over .....	11 383	1 225	1 259	4 312	1 652	2 915	78.1	40.2	25.7
25 to 34 years .....	3 197	85	258	1 363	619	873	89.3	48.7	27.3
35 to 44 years .....	2 605	136	164	978	490	840	88.5	51.1	32.2
45 to 64 years .....	3 594	390	508	1 380	383	933	75.0	36.6	26.0
65 years and over .....	1 967	615	329	594	160	269	52.0	21.8	13.7
Female, 18 years and over .....	15 186	1 615	1 838	6 595	2 441	2 696	77.3	33.8	17.8
25 years and over .....	13 239	1 577	1 529	5 767	1 861	2 506	76.5	33.0	18.9
25 to 34 years .....	3 385	79	248	1 480	684	896	90.4	48.7	26.5
35 to 44 years .....	2 612	104	187	1 282	496	744	89.7	44.1	26.5
45 to 64 years .....	4 007	458	593	1 869	448	640	73.8	27.1	16.0
65 years and over .....	3 035	937	502	1 136	234	226	52.8	15.2	7.4
Persons 25 years and over .....	24 602	2 802	2 787	10 079	3 513	5 421	77.3	36.3	22.0
White .....	21 216	2 243	2 292	8 662	3 039	4 780	78.8	36.9	22.5
Black .....	2 681	450	440	1 044	403	344	66.8	27.9	12.8
Hispanic origin <sup>1</sup> .....	1 597	474	258	498	203	185	54.2	23.0	10.3
<b>EAST NORTH CENTRAL</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	30 722	2 601	4 064	13 262	5 895	5 010	78.3	35.1	16.5
25 years and over .....	26 070	2 480	3 267	11 192	4 379	4 722	77.8	34.9	18.1
25 to 34 years .....	7 135	183	681	3 234	1 463	1 571	87.9	42.6	22.1
35 to 44 years .....	6 153	177	530	2 636	1 341	1 480	88.5	45.7	23.9
45 to 64 years .....	8 061	777	1 275	3 582	1 160	1 261	74.5	30.1	15.7
65 years and over .....	4 720	1 353	801	1 740	414	412	54.4	17.5	6.7
Male, 18 years and over .....	14 731	1 242	1 915	6 955	2 756	2 662	78.8	38.1	19.4
25 years and over .....	12 501	1 184	1 469	4 981	2 138	2 708	78.8	38.8	21.7
25 to 34 years .....	3 557	105	389	1 540	709	835	96.7	43.4	23.5
35 to 44 years .....	3 071	64	227	1 200	686	871	89.9	50.8	28.4
45 to 64 years .....	3 883	430	582	1 583	553	715	73.9	33.7	19.4
65 years and over .....	1 990	565	311	879	191	240	56.0	21.9	12.3
Female, 18 years and over .....	15 991	1 359	2 149	7 327	2 939	2 217	78.1	32.2	13.9
25 years and over .....	13 569	1 306	1 798	6 211	2 240	2 014	77.1	31.4	14.6
25 to 34 years .....	3 578	78	312	1 694	754	740	89.1	41.8	20.7
35 to 44 years .....	3 083	93	303	1 436	655	595	87.2	40.6	19.3
45 to 64 years .....	4 179	347	683	2 020	607	511	75.1	26.8	12.2
65 years and over .....	2 730	788	490	1 061	224	187	53.2	14.3	6.1
Persons 25 years and over .....	26 070	2 480	3 267	11 192	4 379	4 722	77.8	34.9	18.1
White .....	23 123	2 167	2 718	10 170	3 822	4 245	78.9	34.9	18.4
Black .....	2 544	268	557	924	501	294	67.8	31.2	11.8
Hispanic origin <sup>1</sup> .....	620	205	83	169	87	76	53.5	26.3	12.3
<b>WEST NORTH CENTRAL</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	12 653	1 143	1 262	5 599	2 412	2 437	81.3	37.7	19.0
25 years and over .....	11 147	1 124	979	4 880	1 858	2 006	81.1	37.3	20.7
25 to 34 years .....	3 220	64	204	1 498	648	805	91.7	45.1	25.0
35 to 44 years .....	2 492	38	138	1 059	551	707	93.0	50.5	28.4
45 to 64 years .....	3 118	325	302	1 485	424	581	79.9	32.2	18.8
65 years and over .....	2 319	697	335	839	236	213	55.5	19.4	9.2
Male, 18 years and over .....	6 138	565	812	2 513	1 122	1 326	80.8	39.9	21.6
25 years and over .....	5 286	559	471	2 170	839	1 258	80.6	39.6	23.7
25 to 34 years .....	1 811	26	114	738	311	423	91.4	45.5	26.3
35 to 44 years .....	1 262	19	74	488	259	413	92.8	53.7	33.0
45 to 64 years .....	1 519	195	151	633	185	355	77.2	35.5	23.4
65 years and over .....	916	319	133	312	85	66	50.6	18.6	7.3
Female, 18 years and over .....	6 715	578	651	3 086	1 290	1 111	81.7	35.8	18.5
25 years and over .....	5 649	566	508	2 710	1 019	1 048	81.7	35.3	17.9
25 to 34 years .....	1 609	39	81	760	337	382	92.0	44.7	23.8
35 to 44 years .....	1 239	19	64	571	292	293	93.3	47.2	23.7
45 to 64 years .....	1 597	130	151	652	239	225	82.4	29.1	14.1
65 years and over .....	1 404	378	202	527	151	147	58.7	21.2	10.4
Persons 25 years and over .....	11 147	1 124	979	4 880	1 858	2 006	81.1	37.3	20.7
White .....	10 456	1 035	880	4 626	1 720	2 194	81.7	37.4	21.0
Black .....	487	60	78	191	91	47	70.3	28.5	10.1
Hispanic origin <sup>1</sup> .....	107	23	22	33	16	13	57.9	27.1	12.2

See footnote at end of table.

Table 12. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for Regions and Divisions: March 1989—Con.

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, region, and division	Total	Elementary, 0 to 6 years	High school		College		Percent completed—		
			1 to 3 years	4 years	1 to 3 years	4 or more years	4 years of high school or more	1 or more years of college	4 or more years of college
<b>SOUTH ATLANTIC</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	31 641	3 499	4 449	12 196	5 632	6 064	75.0	36.7	19.0
25 years and over .....	27 470	3 363	3 602	10 291	4 495	5 719	74.6	37.2	20.8
25 to 34 years .....	7 452	201	634	3 143	1 446	1 626	86.1	43.9	24.5
35 to 44 years .....	6 197	296	627	2 287	1 249	1 738	85.1	48.2	28.0
45 to 64 years .....	8 352	1 227	1 273	3 155	1 185	1 512	70.1	32.3	16.1
65 years and over .....	5 469	1 639	668	1 706	615	641	54.1	23.0	11.7
Male, 18 years and over .....	15 095	1 748	2 072	5 466	2 611	3 196	74.7	38.5	21.2
25 years and over .....	12 996	1 666	1 630	4 542	2 081	3 076	74.6	39.7	23.7
25 to 34 years .....	3 737	110	462	1 549	683	933	64.7	43.2	25.0
35 to 44 years .....	3 010	156	277	1 016	604	955	65.6	51.6	31.7
45 to 64 years .....	3 991	690	530	1 340	570	661	69.4	35.9	21.6
65 years and over .....	2 260	711	362	635	224	329	52.6	24.5	14.6
Female, 18 years and over .....	16 746	1 751	2 376	6 730	3 021	2 667	75.4	35.2	17.1
25 years and over .....	14 472	1 697	1 972	5 749	2 414	2 641	74.7	34.9	16.2
25 to 34 years .....	3 715	90	372	1 594	763	695	67.6	44.6	24.1
35 to 44 years .....	3 187	141	350	1 269	645	783	64.6	44.6	24.6
45 to 64 years .....	4 361	538	743	1 615	615	651	70.6	29.0	14.9
65 years and over .....	3 209	926	507	1 071	391	311	55.3	21.9	9.7
Persons 25 years and over .....	27 470	3 363	3 602	10 291	4 495	5 719	74.6	37.2	20.8
White .....	21 759	2 167	2 526	6 319	3 720	5 027	76.4	40.2	23.1
Black .....	5 302	1 127	1 041	1 848	724	561	59.1	24.2	10.6
Hispanic origin <sup>1</sup> .....	1 220	311	124	361	209	215	64.3	34.6	17.7
<b>EAST SOUTH CENTRAL</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	11 069	1 961	1 734	4 210	1 699	1 486	66.7	26.7	13.4
25 years and over .....	9 414	1 688	1 404	3 463	1 303	1 355	65.0	26.2	14.4
25 to 34 years .....	2 426	150	321	1 080	422	456	60.6	36.1	16.8
35 to 44 years .....	2 114	194	266	908	361	396	76.7	35.6	16.7
45 to 64 years .....	2 929	649	495	1 066	362	362	60.9	24.7	12.3
65 years and over .....	1 942	694	332	415	158	142	36.9	15.5	7.3
Male, 18 years and over .....	5 206	946	771	1 676	625	786	67.0	30.9	15.1
25 years and over .....	4 403	909	607	1 524	630	734	65.6	31.0	16.7
25 to 34 years .....	1 177	79	166	507	192	233	79.2	36.1	19.8
35 to 44 years .....	1 072	121	110	427	163	232	76.5	36.7	21.6
45 to 64 years .....	1 369	316	212	446	190	203	61.3	26.7	14.6
65 years and over .....	784	392	119	144	64	66	34.9	16.6	6.4
Female, 18 years and over .....	5 864	1 015	963	2 534	674	700	66.4	26.7	11.9
25 years and over .....	5 011	979	798	1 939	674	622	64.6	25.9	12.4
25 to 34 years .....	1 251	71	155	573	230	223	62.0	36.2	17.6
35 to 44 years .....	1 042	74	146	481	176	163	79.0	32.6	15.7
45 to 64 years .....	1 560	332	264	614	172	158	60.6	21.2	10.2
65 years and over .....	1 158	502	214	271	94	77	36.2	14.6	6.6
Persons 25 years and over .....	9 414	1 688	1 404	3 463	1 303	1 355	65.0	26.2	14.4
White .....	7 776	1 464	1 137	2 889	1 107	1 161	66.6	29.4	15.2
Black .....	1 602	420	266	565	192	159	57.2	21.9	9.9
Hispanic origin <sup>1</sup> .....	26	2	1	10	7	5	(B)	(B)	(B)
<b>WEST SOUTH CENTRAL</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	16 656	2 520	2 534	6 623	3 509	3 270	72.9	36.3	17.5
25 years and over .....	15 675	2 297	1 698	5 595	2 809	3 077	73.2	37.5	19.6
25 to 34 years .....	4 734	316	535	1 692	964	1 024	62.0	42.0	21.6
35 to 44 years .....	3 646	350	294	1 257	635	912	62.3	47.9	25.0
45 to 64 years .....	4 700	746	619	1 744	724	666	70.9	33.6	16.4
65 years and over .....	2 593	680	450	702	266	275	46.7	21.6	10.6
Male, 18 years and over .....	6 697	1 260	1 180	2 922	1 711	1 624	72.6	39.7	20.5
25 years and over .....	7 430	1 134	840	2 364	1 364	1 726	73.4	41.6	23.3
25 to 34 years .....	2 336	171	265	690	486	503	60.4	42.4	21.6
35 to 44 years .....	1 774	190	135	511	402	536	61.7	52.9	30.2
45 to 64 years .....	2 210	360	245	706	349	49	72.6	40.6	24.6
65 years and over .....	1 109	412	175	255	126	40	47.1	24.1	12.6
Female, 18 years and over .....	9 759	1 259	1 355	3 901	1 797	1 446	73.2	33.2	14.6
25 years and over .....	6 245	1 163	1 058	3 231	1 445	1 348	73.1	33.9	16.4
25 to 34 years .....	2 366	147	250	1 002	479	521	63.4	41.7	21.7
35 to 44 years .....	1 674	160	159	746	433	376	63.0	43.2	20.0
45 to 64 years .....	2 489	367	374	1 036	375	317	69.4	27.6	12.7
65 years and over .....	1 484	468	275	447	156	135	49.9	19.6	9.1
Persons 25 years and over .....	15 675	2 297	1 698	5 595	2 809	3 077	73.2	37.5	19.6
White .....	13 266	1 659	1 446	4 770	2 408	2 763	75.1	39.1	21.0
Black .....	2 068	361	416	719	347	205	61.4	26.7	9.9
Hispanic origin <sup>1</sup> .....	2 147	681	266	579	213	166	45.5	16.6	6.6

See footnote at end of table.

**Table 12. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for Regions and Divisions: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, region, and division	Total	Elementary, 0 to 8 years	High school		College		Percent completed—		
			1 to 3 years	4 years	1 to 3 years	4 or more years	4 years of high school or more	1 or more years of college	4 or more years of college
<b>MOUNTAIN</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	9 392	692	1 067	3 594	2 149	1 891	61.3	43.0	20.1
25 years and over	8 147	666	813	3 021	1 808	1 640	61.9	44.6	22.6
25 to 34 years	2 406	86	220	953	627	520	67.3	47.7	21.6
35 to 44 years	1 904	72	133	618	541	542	66.2	56.9	20.5
45 to 64 years	2 312	197	239	911	419	547	61.1	41.7	23.6
65 years and over	1 525	311	221	541	221	231	65.1	29.7	15.1
Male, 18 years and over	4 560	360	542	1 592	1 034	1 032	60.2	45.3	22.6
25 years and over	3 905	346	394	1 292	859	1 014	61.1	48.0	26.0
25 to 34 years	1 188	51	118	460	302	257	65.6	47.0	21.6
35 to 44 years	940	36	57	264	263	320	90.1	62.0	34.0
45 to 64 years	1 112	101	121	366	203	322	60.1	47.2	29.0
65 years and over	664	158	96	202	91	114	61.4	31.0	17.2
Female, 18 years and over	4 832	333	524	2 001	1 115	859	62.3	40.9	17.8
25 years and over	4 243	320	418	1 729	949	827	62.6	41.6	19.5
25 to 34 years	1 218	34	102	493	325	264	66.6	48.3	21.6
35 to 44 years	964	36	75	352	278	222	66.4	51.9	23.1
45 to 64 years	1 199	96	116	545	216	224	62.1	36.7	16.7
65 years and over	662	153	123	336	130	117	67.9	28.6	13.5
Persons 25 years and over	6 147	666	613	3 021	1 808	1 640	61.9	44.8	22.6
White	7 663	583	753	2 860	1 706	1 761	62.6	45.2	23.0
Black	204	21	21	80	45	37	79.6	40.2	16.4
Hispanic origin <sup>1</sup>	1 014	306	169	337	119	63	51.2	17.9	6.2
<b>PACIFIC</b>									
<b>All Races</b>									
Both sexes, 18 years and over...	26 981	2 772	2 740	9 135	6 214	6 120	79.6	45.7	22.7
25 years and over	23 167	2 488	2 050	7 640	5 064	5 924	80.4	47.4	25.6
25 to 34 years	6 667	572	578	2 269	1 723	1 706	83.3	49.9	24.6
35 to 44 years	5 997	489	397	1 695	1 462	1 974	65.6	57.3	32.9
45 to 64 years	8 443	662	588	2 272	1 302	1 620	60.6	45.3	25.1
65 years and over	3 660	765	488	1 384	577	625	67.0	31.2	16.2
Male, 18 years and over	13 296	1 385	1 350	4 063	3 103	3 394	79.4	46.9	25.5
25 years and over	11 352	1 224	956	3 318	2 554	3 303	80.6	51.6	29.1
25 to 34 years	3 474	265	285	1 128	873	903	83.6	51.1	26.0
35 to 44 years	2 963	242	188	715	751	1 067	65.5	61.4	36.0
45 to 64 years	3 145	341	214	951	659	979	62.3	52.1	31.1
65 years and over	1 770	356	268	521	271	354	64.7	35.3	20.0
Female, 18 years and over	13 684	1 388	1 389	5 072	3 110	2 726	79.7	42.6	19.9
25 years and over	11 615	1 264	1 095	4 325	2 510	2 622	80.0	43.4	22.2
25 to 34 years	3 393	268	293	1 161	850	803	82.9	48.7	23.7
35 to 44 years	3 034	227	206	961	711	907	65.7	53.3	29.9
45 to 64 years	3 296	321	373	1 320	642	641	76.9	38.9	19.4
65 years and over	2 090	429	220	863	307	272	66.9	27.7	13.0
Persons 25 years and over	23 167	2 488	2 050	7 640	5 064	5 924	80.4	47.4	25.6
White	19 604	2 027	1 767	6 505	4 386	4 699	80.5	47.4	25.0
Black	1 246	97	97	490	332	232	84.5	45.2	16.6
Hispanic origin <sup>1</sup>	3 489	1 326	550	848	485	278	48.2	21.9	6.0

<sup>1</sup>Persons of Hispanic origin may be of any race.

**Table 13. Years of School Completed by Persons 25 Years Old and Over, for States: March 1989**

[Numbers in thousands. Noninstitutional population]

State	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
Alabama	2 524	63.2	2.7	11.6	1.6
Alaska	282	86.9	2.0	23.4	2.5
Arizona	2 214	80.6	2.2	22.2	2.3
Arkansas	1 477	67.6	2.6	14.6	2.0
California	17 546	76.6	1.1	26.4	1.2
Colorado	2 091	83.2	2.2	27.0	2.6
Connecticut	2 145	73.6	2.4	27.5	2.7
Delaware	416	80.7	2.3	19.4	2.3
Dist. of Columbia	392	72.9	2.6	35.2	2.8
Florida	8 361	77.9	1.1	19.6	1.0
Georgia	3 698	71.1	2.4	16.2	2.0
Hawaii	667	82.3	2.1	23.9	2.4
Idaho	682	77.3	2.3	17.1	2.1
Illinois	7 063	77.2	1.2	21.1	1.2
Indiana	3 554	78.0	2.3	13.6	1.9
Iowa	1 766	83.4	2.0	17.1	2.0
Kansas	1 525	82.2	2.1	22.3	2.3
Kentucky	2 253	64.7	2.7	14.9	2.0
Louisiana	2 565	70.9	2.7	16.6	2.2
Maine	759	76.9	2.3	16.5	2.1
Maryland	3 034	80.7	2.3	27.4	2.6
Massachusetts	3 839	80.7	1.2	28.1	1.3
Michigan	5 748	77.0	1.2	17.3	1.1
Minnesota	2 688	85.5	2.0	21.5	2.3
Mississippi	1 515	67.7	2.6	15.6	2.0
Missouri	3 297	75.9	2.4	21.6	2.3
Montana	497	83.6	2.0	21.1	2.2
Nebraska	1 016	82.2	2.0	19.7	2.1
Nevada	723	84.0	2.1	17.2	2.2
New Hampshire	705	82.2	2.3	23.5	2.5
New Jersey	5 044	79.4	1.1	25.7	1.2
New Mexico	866	74.6	2.4	20.6	2.2
New York	11 501	76.7	1.1	22.6	1.1
North Carolina	4 124	71.3	1.3	16.3	1.1
North Dakota	402	61.1	2.1	22.2	2.2
Ohio	6 661	77.6	1.2	17.6	1.1
Oklahoma	2 004	75.4	2.4	17.1	2.1
Oregon	1 721	83.9	2.2	20.2	2.4
Pennsylvania	6 057	76.8	1.2	16.6	1.1
Rhode Island	843	72.7	2.7	20.2	2.4
South Carolina	2 212	69.6	2.3	16.6	1.6
South Dakota	433	78.3	2.0	16.4	1.9
Tennessee	3 123	65.4	2.5	15.7	1.9
Texas	9 630	74.3	1.3	21.7	1.2
Utah	681	86.2	1.9	24.2	2.5
Vermont	342	81.6	2.3	26.7	2.7
Virginia	3 840	74.3	2.1	27.3	2.2
Washington	2 932	88.2	1.6	24.1	2.4
West Virginia	1 192	66.0	2.6	11.1	1.7
Wisconsin	3 025	61.1	2.0	18.9	2.0
Wyoming	275	65.6	2.3	21.9	2.7

Note: Population values shown in this table are derived from the CPS sample, and may not match independently-derived estimates of the population. See "State and Metropolitan Area Populations," in appendix A for more information.

<sup>1</sup>The value of 1.6 times the standard error [1.6\*(s.e.)], added to and subtracted from the estimated percentage, yields the 90-percent confidence interval. For further details of calculation and interpretation, see appendix B, Source and Accuracy of the Estimates.

**Table 14. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for the 25 Largest States: March 1989**

(Numbers in thousands. Noninstitutional population)

Age, sex, race, Hispanic origin, and State	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
<b>Alabama</b>					
18 years and over .....	2 957	63.9	2.4	11.1	1.8
18 to 24 years .....	433	67.6	6.2	8.3	3.7
25 to 44 years .....	1 166	76.8	3.4	14.0	2.8
45 to 64 years .....	813	62.9	4.7	11.2	3.1
65 years and over .....	544	34.6	5.6	7.2	3.1
25 years and over .....	2 524	63.2	2.7	11.6	1.8
Male .....	1 207	63.4	3.6	13.8	2.7
Female .....	1 317	63.1	3.7	9.8	2.2
White .....	1 953	65.9	3.0	12.5	2.1
Black .....	571	54.2	6.7	8.3	3.7
Hispanic origin <sup>2</sup> .....	0	(B)	(B)	(B)	(B)
<b>Arizona</b>					
18 years and over .....	2 548	81.0	2.1	20.2	2.1
18 to 24 years .....	335	83.3	5.4	6.9	3.7
25 to 44 years .....	1 134	85.1	2.8	23.0	3.3
45 to 64 years .....	642	78.9	4.3	23.7	4.5
65 years and over .....	438	71.8	5.7	17.8	4.9
25 years and over .....	2 214	80.6	2.2	22.2	2.3
Male .....	1 076	79.9	3.2	25.9	3.5
Female .....	1 137	81.3	3.1	18.8	3.1
White .....	2 101	80.9	2.3	22.4	2.4
Black .....	50	(B)	(B)	(B)	(B)
Hispanic origin <sup>2</sup> .....	341	43.6	9.0	4.4	3.7
<b>California</b>					
18 years and over .....	20 479	77.7	1.1	23.5	1.1
18 to 24 years .....	2 933	72.6	3.0	5.8	1.8
25 to 44 years .....	9 751	82.0	1.4	29.3	1.7
45 to 64 years .....	4 645	78.6	2.2	26.0	2.3
65 years and over .....	2 949	67.2	3.2	17.7	2.8
25 years and over .....	17 548	78.6	1.1	26.4	1.2
Male .....	8 558	79.1	1.6	30.0	1.8
Female .....	8 988	78.1	1.8	23.0	1.8
White .....	14 752	78.2	1.3	25.8	1.3
Black .....	1 155	64.3	4.8	19.0	5.0
Hispanic origin <sup>2</sup> .....	3 391	45.6	4.0	7.9	2.2
<b>Florida</b>					
18 years and over .....	9 585	77.8	1.0	18.2	.9
18 to 24 years .....	1 224	77.4	2.8	7.4	1.8
25 to 44 years .....	3 784	86.2	1.3	23.8	1.8
45 to 64 years .....	2 499	75.2	2.0	18.5	1.8
65 years and over .....	2 078	66.0	2.4	13.9	1.8
25 years and over .....	8 361	77.9	1.1	19.8	1.0
Male .....	4 002	77.9	1.5	23.0	1.6
Female .....	4 359	77.9	1.5	18.8	1.3
White .....	7 172	80.8	1.1	20.9	1.1
Black .....	1 066	58.0	4.1	10.9	2.8
Hispanic origin <sup>2</sup> .....	1 021	62.0	4.5	18.7	3.4
<b>Georgia</b>					
18 years and over .....	4 627	71.2	2.2	18.3	1.8
18 to 24 years .....	729	72.0	5.5	6.1	2.9
25 to 44 years .....	2 018	82.4	2.8	23.3	3.1
45 to 64 years .....	1 218	84.8	4.5	13.8	3.2
65 years and over .....	666	48.6	6.4	11.3	4.0
25 years and over .....	3 898	71.1	2.4	18.2	2.0
Male .....	1 811	71.3	3.5	19.4	3.1
Female .....	2 088	70.9	3.3	17.2	2.7
White .....	2 670	77.7	2.7	21.9	2.6
Black .....	1 198	56.7	5.5	9.9	3.3
Hispanic origin <sup>2</sup> .....	30	(B)	(B)	(B)	(B)
<b>Illinois</b>					
18 years and over .....	8 377	77.8	1.1	19.1	1.1
18 to 24 years .....	1 314	80.5	2.7	8.2	1.9
25 to 44 years .....	3 637	86.3	1.4	26.4	1.8
45 to 64 years .....	2 168	75.7	2.3	19.0	2.1
65 years and over .....	1 258	53.7	3.5	9.2	2.0
25 years and over .....	7 063	77.2	1.2	21.1	1.2
Male .....	3 392	76.4	1.8	23.8	1.8
Female .....	3 671	76.2	1.8	18.5	1.6
White .....	6 031	77.9	1.3	21.1	1.3
Black .....	847	70.5	4.6	13.9	3.4
Hispanic origin <sup>2</sup> .....	408	47.6	7.8	11.0	4.9

See footnote 1 at end of table.



**Table 14. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for the 25 Largest States: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, and State	Total population	Completed 4 years of high school or more			Completed 4 years of college or more		
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>		
<b>Indiana</b>							
18 years and over .....	4 135	78.7	2.1	12.9	1.7		
18 to 24 years .....	582	83.4	5.2	6.8	3.5		
25 to 44 years .....	1 835	87.7	2.6	18.3	3.0		
45 to 64 years .....	1 037	74.8	4.5	11.5	3.3		
65 years and over .....	682	56.5	6.4	5.5	2.9		
25 years and over .....	3 554	78.0	2.3	13.8	1.9		
Male .....	1 708	78.7	3.3	18.9	3.0		
Female .....	1 846	77.3	3.3	11.0	2.4		
White .....	3 270	77.9	2.4	13.9	2.0		
Black .....	257	76.3	10.0	9.6	7.2		
Hispanic origin <sup>2</sup> .....	59	(B)	(B)	(B)	(B)		
<b>Kentucky</b>							
18 years and over .....	2 691	66.7	2.5	13.9	1.8		
18 to 24 years .....	438	76.6	5.4	8.4	3.6		
25 to 44 years .....	1 123	80.5	3.2	19.0	3.2		
45 to 64 years .....	641	57.4	5.3	13.7	3.7		
65 years and over .....	489	37.8	5.9	7.1	3.1		
25 years and over .....	2 253	64.7	2.7	14.9	2.0		
Male .....	1 033	63.7	4.0	17.1	3.2		
Female .....	1 220	65.6	3.7	13.1	2.6		
White .....	2 134	65.1	2.8	15.3	2.1		
Black .....	115	58.1	14.5	4.9	6.3		
Hispanic origin <sup>2</sup> .....	7	(B)	(B)	(B)	(B)		
<b>Louisiana</b>							
18 years and over .....	2 998	71.1	2.5	15.1	2.0		
18 to 24 years .....	433	72.3	6.4	6.1	3.4		
25 to 44 years .....	1 302	80.6	3.3	18.0	3.2		
45 to 64 years .....	856	68.0	4.8	17.5	3.9		
65 years and over .....	407	52.2	7.4	10.8	4.6		
25 years and over .....	2 565	70.9	2.7	18.6	2.2		
Male .....	1 174	71.1	3.9	20.8	3.5		
Female .....	1 391	70.7	3.6	13.3	2.7		
White .....	1 916	77.3	2.9	19.3	2.7		
Black .....	633	52.0	6.9	8.3	3.6		
Hispanic origin <sup>2</sup> .....	53	(B)	(B)	(B)	(B)		
<b>Maryland</b>							
18 years and over .....	3 541	80.6	2.1	24.5	2.3		
18 to 24 years .....	507	81.5	5.5	6.9	3.6		
25 to 44 years .....	1 675	89.8	2.3	32.7	3.6		
45 to 64 years .....	882	74.7	4.7	24.9	4.7		
65 years and over .....	497	60.3	6.9	14.3	5.0		
25 years and over .....	3 034	80.7	2.3	27.4	2.6		
Male .....	1 452	80.3	3.3	31.8	3.9		
Female .....	1 582	81.0	3.1	23.5	3.4		
White .....	2 313	83.6	2.4	31.4	3.1		
Black .....	660	68.9	6.6	12.8	4.8		
Hispanic origin <sup>2</sup> .....	59	(B)	(B)	(B)	(B)		
<b>Massachusetts</b>							
18 years and over .....	4 483	80.6	1.1	25.4	1.2		
18 to 24 years .....	644	81.3	2.8	9.8	2.1		
25 to 44 years .....	2 021	90.4	1.2	36.1	1.9		
45 to 64 years .....	1 112	78.6	2.3	23.6	2.3		
65 years and over .....	706	59.4	3.3	12.0	2.2		
25 years and over .....	3 839	80.7	1.2	28.1	1.3		
Male .....	1 823	81.5	1.8	31.8	2.0		
Female .....	2 016	80.0	1.8	24.7	1.7		
White .....	3 613	81.3	1.2	26.5	1.4		
Black .....	120	73.6	6.4	14.9	6.8		
Hispanic origin <sup>2</sup> .....	107	57.6	10.9	12.2	7.2		
<b>Michigan</b>							
18 years and over .....	6 786	77.3	1.1	15.6	1.0		
18 to 24 years .....	1 039	78.6	2.6	6.5	1.7		
25 to 44 years .....	2 871	88.0	1.3	22.4	1.7		
45 to 64 years .....	1 845	72.9	2.3	14.3	1.6		
65 years and over .....	1 032	53.6	3.4	8.1	1.9		
25 years and over .....	5 748	77.0	1.2	17.3	1.1		
Male .....	2 746	76.7	1.8	21.1	1.7		
Female .....	3 002	77.3	1.7	13.6	1.4		
White .....	4 917	79.5	1.3	17.8	1.2		
Black .....	726	59.2	4.7	9.7	2.6		
Hispanic origin <sup>2</sup> .....	54	(B)	(B)	(B)	(B)		

See footnotes at end of table.

**Table 14. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for the 25 Largest States: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, and State	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
<b>Minnesota</b>					
18 years and over .....	3 137	85.1	1.9	19.4	2.1
18 to 24 years.....	449	83.0	5.2	6.8	3.5
25 to 44 years.....	1 548	91.7	2.0	24.3	3.2
45 to 64 years.....	826	87.7	3.8	22.1	4.0
65 years and over .....	513	64.0	6.2	11.5	4.1
25 years and over .....	2 688	85.5	2.0	21.5	2.3
Male .....	1 277	85.1	2.9	23.7	3.5
Female .....	1 411	85.9	2.7	19.5	3.1
White .....	2 573	85.9	2.0	21.8	2.4
Black .....	35	(B)	(B)	(B)	(B)
Hispanic origin <sup>2</sup> .....	23	(B)	(B)	(B)	(B)
<b>Missouri</b>					
18 years and over .....	3 752	76.4	2.2	19.7	2.1
18 to 24 years.....	455	79.9	6.1	6.3	3.7
25 to 44 years.....	1 613	90.2	2.4	28.8	3.6
45 to 64 years.....	999	71.7	4.6	18.5	4.0
65 years and over .....	685	48.4	6.2	9.2	3.6
25 years and over .....	3 297	75.9	2.4	21.6	2.3
Male .....	1 563	75.3	3.5	25.6	3.6
Female .....	1 734	76.5	3.3	17.9	3.0
White .....	2 963	76.7	2.5	22.6	2.5
Black .....	290	68.3	10.3	6.9	6.3
Hispanic origin <sup>2</sup> .....	30	(B)	(B)	(B)	(B)
<b>New Jersey</b>					
18 years and over .....	5 857	79.8	1.0	23.6	1.1
18 to 24 years.....	812	82.5	2.7	10.0	2.1
25 to 44 years.....	2 553	89.9	1.2	32.5	1.9
45 to 64 years.....	1 489	78.8	2.1	24.3	2.2
65 years and over .....	1 002	54.0	3.2	10.7	2.0
25 years and over .....	5 044	79.4	1.1	25.7	1.2
Male .....	2 388	79.6	1.7	29.4	1.9
Female .....	2 657	79.2	1.6	22.4	1.8
White .....	4 365	80.7	1.2	26.1	1.3
Black .....	578	66.6	4.8	13.7	3.5
Hispanic origin <sup>2</sup> .....	75	63.3	6.3	16.3	4.8
<b>New York</b>					
18 years and over .....	13 407	76.9	1.1	20.9	1.0
18 to 24 years.....	1 906	78.1	2.7	9.8	2.0
25 to 44 years.....	5 546	88.8	1.2	27.8	1.7
45 to 64 years.....	3 675	73.1	2.1	22.1	2.0
65 years and over .....	2 279	53.6	3.0	11.6	1.9
25 years and over .....	11 501	76.7	1.1	22.8	1.1
Male .....	5 253	77.8	1.7	26.5	1.8
Female .....	6 248	75.9	1.6	19.6	1.5
White .....	9 542	78.5	1.2	23.6	1.3
Black .....	1 519	66.1	4.1	12.7	2.9
Hispanic origin <sup>2</sup> .....	1 140	50.1	5.4	7.8	2.9
<b>North Carolina</b>					
18 years and over .....	4 797	71.8	1.2	16.8	1.0
18 to 24 years.....	673	74.5	3.0	7.3	1.8
25 to 44 years.....	2 073	83.9	1.5	24.4	1.7
45 to 64 years.....	1 313	66.7	2.4	14.6	1.8
65 years and over .....	738	44.1	3.3	7.8	1.8
25 years and over .....	2 124	71.3	1.3	18.3	1.1
Male .....	1 935	70.9	1.9	21.2	1.7
Female .....	2 189	71.7	1.7	15.8	1.4
White .....	3 270	74.6	1.4	20.5	1.3
Black .....	798	58.8	3.7	9.5	2.2
Hispanic origin <sup>2</sup> .....	23	(B)	(B)	(B)	(B)
<b>Ohio</b>					
18 years and over .....	7 879	78.1	1.1	16.2	1.0
18 to 24 years.....	1 198	81.0	2.7	8.3	1.9
25 to 44 years.....	3 379	88.7	1.3	21.7	1.7
45 to 64 years.....	2 112	72.6	2.3	15.0	1.8
65 years and over .....	1 190	55.2	3.4	10.7	2.1
25 years and over .....	6 681	77.8	1.2	17.6	1.1
Male .....	3 174	79.0	1.7	21.9	1.7
Female .....	3 507	76.4	1.7	13.8	1.4
White .....	5 994	78.6	1.2	18.1	1.2
Black .....	650	68.7	5.0	11.7	3.4
Hispanic origin <sup>2</sup> .....	89	(B)	(B)	(B)	(B)

See footnotes at end of table.

**Table 14. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for the 25 Largest States: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, and State	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
<b>Pennsylvania</b>					
18 years and over .....	9 185	77.6	1.1	17.3	1.0
18 to 24 years .....	1 108	83.5	2.7	7.6	2.0
25 to 44 years .....	3 900	90.6	1.1	25.1	1.7
45 to 64 years .....	2 437	73.7	2.2	16.4	1.8
65 years and over .....	1 721	49.8	3.0	7.1	1.5
25 years and over .....	6 057	76.6	1.2	18.8	1.1
Male .....	3 722	77.9	1.7	22.0	1.7
Female .....	4 335	75.3	1.6	15.8	1.4
White .....	7 309	77.5	1.2	19.0	1.1
Black .....	644	68.6	5.2	12.3	3.7
Hispanic origin <sup>2</sup> .....	83	70.0	15.5	18.8	13.2
<b>South Carolina</b>					
18 years and over .....	2 527	71.0	2.1	15.4	1.7
18 to 24 years .....	316	79.6	5.2	7.1	3.7
25 to 44 years .....	1 099	84.1	2.6	20.5	2.8
45 to 64 years .....	673	64.4	4.3	14.7	3.2
65 years and over .....	439	42.3	5.4	9.8	3.3
25 years and over .....	2 212	69.8	2.3	16.6	1.6
Male .....	1 053	71.1	3.2	16.2	2.7
Female .....	1 158	68.5	3.2	15.2	2.4
White .....	1 657	72.9	2.5	19.8	2.3
Black .....	532	59.0	5.7	6.8	2.9
Hispanic origin <sup>2</sup> .....	14	(B)	(B)	(B)	(B)
<b>Tennessee</b>					
18 years and over .....	3 613	67.6	2.3	14.8	1.7
18 to 24 years .....	490	81.1	5.2	8.9	3.8
25 to 44 years .....	1 539	80.7	3.0	21.6	3.1
45 to 64 years .....	982	60.2	4.6	11.7	3.0
65 years and over .....	601	35.1	5.7	7.0	3.1
25 years and over .....	3 123	65.4	2.5	15.7	1.9
Male .....	1 452	67.0	3.6	16.0	3.0
Female .....	1 671	64.1	3.5	13.7	2.5
White .....	2 642	64.7	2.7	15.7	2.1
Black .....	483	68.6	7.4	14.0	5.5
Hispanic origin <sup>2</sup> .....	5	(B)	(B)	(B)	(B)
<b>Texas</b>					
18 years and over .....	11 594	73.7	1.2	19.2	1.1
18 to 24 years .....	1 904	70.6	3.0	7.1	1.7
25 to 44 years .....	5 362	82.2	1.5	25.0	1.7
45 to 64 years .....	2 783	72.2	2.5	20.9	2.2
65 years and over .....	1 485	49.4	3.6	11.3	2.4
25 years and over .....	9 630	74.3	1.3	21.7	1.2
Male .....	4 604	74.7	1.9	25.7	1.9
Female .....	5 026	73.9	1.6	18.0	1.6
White .....	8 336	74.9	1.4	22.9	1.3
Black .....	1 121	69.8	4.6	10.9	3.1
Hispanic origin <sup>2</sup> .....	2 036	45.2	4.0	6.3	2.2
<b>Virginia</b>					
18 years and over .....	4 429	75.4	2.0	25.2	2.0
18 to 24 years .....	589	82.0	4.8	11.6	4.0
25 to 44 years .....	1 978	67.5	2.2	34.6	3.2
45 to 64 years .....	1 204	68.7	4.0	24.4	3.7
65 years and over .....	658	45.1	5.9	10.9	3.7
25 years and over .....	3 640	74.3	2.1	27.3	2.2
Male .....	1 822	73.6	3.1	31.0	3.3
Female .....	2 018	75.0	2.9	24.0	2.9
White .....	3 069	79.1	2.2	30.2	2.5
Black .....	673	53.2	6.6	11.9	4.4
Hispanic origin <sup>2</sup> .....	46	(B)	(B)	(B)	(B)
<b>Washington</b>					
18 years and over .....	3 391	67.4	1.7	21.3	2.1
18 to 24 years .....	458	61.8	5.4	2.8	2.3
25 to 44 years .....	1 637	92.2	2.0	26.2	3.4
45 to 64 years .....	848	69.6	3.2	21.8	4.3
65 years and over .....	447	70.9	6.5	13.6	4.9
25 years and over .....	2 932	69.2	1.6	24.1	2.4
Male .....	1 477	68.5	2.5	27.8	3.5
Female .....	1 455	67.9	2.6	20.5	3.2
White .....	2 756	69.3	1.8	24.3	2.5
Black .....	57	(B)	(B)	(B)	(B)
Hispanic origin <sup>2</sup> .....	46	(B)	(B)	(B)	(B)

See footnotes at end of table.

**Table 14. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin, for the 25 Largest States: March 1989—Con.**

[Numbers in thousands. Noninstitutional population]

Age, sex, race, Hispanic origin, and State	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
<b>Wisconsin</b>					
18 years and over .....	3 545	81.5	1.9	17.3	1.8
18 to 24 years .....	520	83.6	4.6	8.3	3.5
25 to 44 years .....	1 567	92.3	1.9	23.7	3.1
45 to 64 years .....	900	79.4	3.9	17.0	3.6
65 years and over .....	559	52.5	6.0	6.4	3.4
25 years and over .....	3 025	61.1	2.0	18.9	2.0
Male .....	1 483	81.8	2.9	22.7	3.1
Female .....	1 543	60.5	2.9	15.2	2.6
White .....	2 911	81.5	2.1	19.2	2.1
Black .....	65	(B)	(B)	(B)	(B)
Hispanic origin <sup>2</sup> .....	31	(B)	(B)	(B)	(B)

Note: Based on population estimates of States as of July 1, 1986. Population values shown in this table are derived from the CPS sample, and may not match independently derived estimates of the population. See "State and Metropolitan Area Populations," in appendix A for more information.

<sup>1</sup>The value of 1.6 times the standard error [1.6\*(s.e.)], added to and subtracted from the estimated percentage, yields the 90-percent confidence interval. For further details of calculation and interpretation, see appendix B, Source and Accuracy of the Estimates.

<sup>2</sup>Persons of Hispanic origin may be of any race.

**Table 15. Years of School Completed by Persons 25 Years Old and Over, for Large Metropolitan Statistical Areas: March 1989**

[Numbers in thousands. Noninstitutional population]

Metropolitan area	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
Atlanta, GA MSA	1 792	81.3	3.0	24.4	3.2
Baltimore, MD MSA	1 594	77.8	3.4	24.9	3.5
Boston-Lawrence-Salem, MA-NH CMSA	2 619	84.5	1.3	31.1	1.8
Boston, MA PMSA	1 808	84.4	1.5	32.3	2.0
Buffalo-Niagara Falls, NY CMSA	817	78.3	4.4	18.7	4.0
Charlotte-Gastonia-Rock Hill, NC-SC MSA	788	71.3	2.9	21.4	2.6
Chicago-Gary-Lake County, IL-IN-WI CMSA	4 899	79.7	1.4	24.7	1.5
Chicago, IL PMSA	3 612	77.8	1.7	26.0	1.8
Cincinnati-Hamilton, OH-KY-IN CMSA	967	73.8	3.3	22.8	3.2
Cincinnati, OH-KY-IN PMSA	834	74.2	3.8	23.6	3.5
Cleveland-Akron-Lorain, OH CMSA	1 735	81.0	2.2	18.7	2.2
Cleveland, OH PMSA	1 214	81.8	2.6	18.6	2.6
Columbus, OH MSA	808	84.8	3.0	28.0	3.8
Dallas-Fort Worth, TX CMSA	2 184	82.8	2.3	28.8	2.8
Dallas, TX PMSA	1 447	81.8	2.9	28.9	3.4
Forth Worth-Arlington, TX PMSA	717	84.7	3.8	28.2	4.8
Denver-Boulder, CO CMSA	1 209	84.8	2.7	31.7	3.5
Denver, CO PMSA	1 040	83.8	3.0	27.8	3.8
Detroit-Ann Arbor, MI CMSA	2 990	78.5	1.7	19.3	1.8
Detroit, MI PMSA	2 862	75.8	1.7	17.7	1.8
Hartford-New Britain-Middletown, CT CMSA	870	78.8	5.0	18.3	4.4
Houston-Galveston-Brazoria, TX CMSA	2 249	78.2	2.5	29.0	2.7
Houston, TX PMSA	2 058	79.1	2.6	29.3	2.9
Indianapolis, IN MSA	795	85.3	5.3	19.8	6.0
Kansas City, MO-KS MSA	1 069	81.8	4.1	23.2	4.4
Los Angeles-Anaheim-Riverside, CA CMSA	6 465	78.1	1.8	25.4	1.8
Los Angeles-Long Beach, CA	5 470	75.4	2.2	25.8	2.2
Anaheim-Santa Ana, CA PMSA	1 358	79.4	4.2	32.3	4.8
Riverside-San Bernardino, CA PMSA	1 329	78.2	4.4	18.3	3.8
Miami-Fort Lauderdale, FL CMSA	2 145	71.2	2.3	19.7	2.0
Miami-Hialeah, FL PMSA	1 315	65.5	3.1	18.5	2.5
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	830	80.2	3.2	21.5	3.3
Milwaukee-Racine, WI CMSA	1 158	81.8	3.1	23.3	3.4
Milwaukee, WI PMSA	841	82.0	3.5	22.9	3.8
Minneapolis-St. Paul, MN-WI MSA	1 540	89.1	2.3	27.8	3.3
New Orleans, LA MSA	768	78.3	4.3	25.9	4.8
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	11 899	77.4	1.2	25.0	1.2
New York, NY PMSA	5 313	71.8	1.8	22.9	1.7
Nassau-Suffolk, NY PMSA	1 751	88.9	2.4	24.3	3.0
Newark, NJ PMSA	1 210	81.1	2.3	31.4	2.7
Bergen-Passaic, NJ PMSA	910	79.8	2.7	26.2	2.9
Norfolk-Virginia Beach-Newsport News, VA MSA	837	74.4	4.4	19.9	4.1
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	3 958	78.4	1.8	23.3	1.8
Philadelphia, PA-NJ PMSA	3 305	78.2	1.8	23.7	1.8
Phoenix, AZ MSA	1 318	83.7	2.7	24.4	3.1
Pittsburgh-Beaver Valley, PA CMSA	1 579	79.2	2.5	20.4	2.5
Pittsburgh, PA PMSA	1 418	80.5	2.8	21.4	2.7
Portland-Vancouver, OR-WA CMSA	910	87.8	2.7	20.3	3.3
Portland, OR PMSA	794	87.7	2.9	22.8	3.7
Providence-Pawtucket-Fall River, RI-MA CMSA	745	70.5	2.5	18.1	2.1
Sacramento, CA MSA	885	88.7	4.1	27.0	5.7
St. Louis, MO-IL MSA	1 530	78.3	3.8	27.0	3.9
Salt Lake City-Ogden, UT MSA	590	88.7	2.2	25.9	3.1
San Antonio, TX MSA	702	88.5	4.1	15.2	3.2
San Diego, CA MSA	1 431	85.7	3.5	28.3	4.5
San Francisco-Oakland-San Jose, CA CMSA	3 883	82.8	2.3	34.3	2.9
Oakland, CA PMSA	1 181	83.0	4.1	31.7	5.1
San Francisco, CA PMSA	1 183	81.1	4.3	38.2	5.4
San Jose, CA PMSA	944	85.3	4.4	39.3	6.0
Seattle-Tacoma, WA CMSA	1 585	90.3	2.2	29.4	3.4
Seattle, WA PMSA	1 252	91.8	2.3	32.5	3.9
Tampa-St. Petersburg-Clearwater, FL MSA	1 388	82.0	2.4	19.8	2.5
Washington, DC-MD-VA MSA	2 492	88.5	2.2	41.2	3.2

Note: Based on population estimates of metropolitan areas as of July 1, 1988. Population values shown in this table are derived from the CPS sample, and may not match independently-derived estimates of the population. See "State and Metropolitan Area Populations," in appendix A for more information.

<sup>1</sup>The value of 1.6 times the standard error [1.6\*(s.e.)], added to and subtracted from the estimated percentage, yields the 90-percent confidence interval. For further details of calculation and interpretation, see appendix B, Source and Accuracy of the Estimates.

**Table 16. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin for the 15 Largest Metropolitan Statistical Areas: March 1989**

[Numbers in thousands. Noninstitutional population]

Metropolitan area	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.8* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
<b>Atlanta, GA MSA</b>					
18 years and over .....	2 077	81.2	2.7	22.2	2.9
18 to 24 years .....	285	80.6	7.5	8.9	5.4
25 to 44 years .....	1 010	92.0	2.7	30.6	4.6
45 to 64 years .....	501	73.2	6.3	17.7	5.5
65 years and over .....	281	57.0	9.5	13.8	6.6
25 years and over .....	1 792	81.3	3.0	24.4	3.2
Male .....	841	81.0	4.3	25.3	4.6
Female .....	950	81.5	4.0	23.5	4.4
White .....	1 318	84.8	3.2	27.5	3.9
Black .....	452	72.7	7.8	14.7	6.2
Hispanic origin <sup>2</sup> .....	27	(B)	(B)	(B)	(B)
<b>Boston-Lawrence-Salem, MA-NH CMSA</b>					
18 years and over .....	3 070	84.1	1.2	28.5	1.5
18 to 24 years .....	451	81.9	3.3	12.9	2.9
25 to 44 years .....	1 415	92.7	1.2	40.2	2.4
45 to 64 years .....	749	81.4	2.8	25.9	2.9
65 years and over .....	455	64.0	4.1	11.7	2.7
25 years and over .....	2 619	84.5	1.3	31.1	1.6
Male .....	1 261	84.0	1.9	34.8	2.4
Female .....	1 358	84.9	1.6	27.8	2.2
White .....	2 425	85.7	1.3	31.8	1.7
Black .....	96	73.9	9.4	15.8	7.6
Hispanic origin <sup>2</sup> .....	65	(B)	(B)	(B)	(B)
<b>Chicago-Gary-Lake County, IL-IN-WI CMSA</b>					
18 years and over .....	5 960	79.7	1.3	22.0	1.3
18 to 24 years .....	961	80.1	3.2	8.3	2.2
25 to 44 years .....	2 752	85.7	1.8	28.8	2.1
45 to 64 years .....	1 507	78.0	2.6	23.3	2.7
65 years and over .....	740	60.6	4.4	11.9	2.9
25 years and over .....	4 999	79.7	1.4	24.7	1.5
Male .....	2 442	80.7	2.0	27.1	2.2
Female .....	2 557	78.7	2.0	22.3	2.0
White .....	3 958	80.9	1.5	28.0	1.7
Black .....	876	73.5	4.3	13.8	3.3
Hispanic origin <sup>2</sup> .....	433	50.3	7.5	10.8	4.6
<b>Cleveland-Akron-Lorain, OH CMSA</b>					
18 years and over .....	2 029	80.9	2.0	18.1	2.0
18 to 24 years .....	294	80.3	5.4	14.2	4.6
25 to 44 years .....	866	92.4	2.1	25.7	3.5
45 to 64 years .....	579	72.9	4.3	14.1	3.4
65 years and over .....	291	63.2	6.8	7.1	3.5
25 years and over .....	1 735	81.0	2.2	18.7	2.2
Male .....	821	81.6	3.2	24.4	3.5
Female .....	914	80.4	3.1	13.8	2.7
White .....	1 463	83.5	2.3	20.4	2.5
Black .....	257	66.4	8.0	8.3	4.1
Hispanic origin <sup>2</sup> .....	26	(B)	(B)	(B)	(B)
<b>Dallas-Fort Worth, TX CMSA</b>					
18 years and over .....	2 643	80.9	2.2	25.3	2.4
18 to 24 years .....	479	72.5	5.8	10.1	3.9
25 to 44 years .....	1 352	86.8	2.8	32.6	3.6
45 to 64 years .....	559	82.0	4.8	25.5	5.2
65 years and over .....	254	63.5	8.8	14.5	6.3
25 years and over .....	2 164	82.8	2.3	28.6	2.6
Male .....	1 042	81.8	3.4	35.8	4.2
Female .....	1 123	83.9	3.1	22.2	3.5
White .....	1 806	84.8	2.4	31.4	3.1
Black .....	318	72.1	6.4	13.0	6.3
Hispanic origin <sup>2</sup> .....	202	41.2	12.4	7.2	6.5
<b>Detroit-Ann Arbor, MI CMSA</b>					
18 years and over .....	3 574	77.0	1.5	17.3	1.4
18 to 24 years .....	584	79.7	3.6	7.1	2.3
25 to 44 years .....	1 507	87.0	1.9	25.0	2.4
45 to 64 years .....	980	74.0	3.1	18.2	2.6
65 years and over .....	503	49.7	4.9	6.3	2.7
25 years and over .....	2 990	78.5	1.7	19.3	1.6
Male .....	1 419	77.0	2.4	24.0	2.5
Female .....	1 570	75.9	2.4	15.1	2.0
White .....	2 373	80.5	1.8	20.5	1.8
Black .....	548	58.4	5.3	10.5	3.3
Hispanic origin <sup>2</sup> .....	28	(B)	(B)	(B)	(B)

See footnotes at end of table.

**Table 16. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin for the 15 Largest Metropolitan Statistical Areas: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Metropolitan area	Total population	Completed 4 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
<b>Houston-Galveston-Brazoria, TX CMSA</b>					
18 years and over .....	2 701	77.2	2.3	25.6	2.4
18 to 24 years .....	451	72.0	6.0	8.9	3.8
25 to 44 years .....	1 305	81.9	3.0	29.1	3.8
45 to 64 years .....	731	80.4	4.2	33.5	5.0
65 years and over .....	213	48.2	9.7	12.3	6.4
25 years and over .....	2 249	78.2	2.5	29.0	2.7
Male .....	1 088	78.8	3.5	35.3	4.1
Female .....	1 161	77.7	3.5	23.1	3.5
White .....	1 827	78.3	2.7	31.7	3.1
Black .....	350	76.6	7.5	12.8	5.9
Hispanic origin <sup>2</sup> .....	371	49.9	9.3	10.4	5.7
<b>Los Angeles-Anaheim-Riverside, CA CMSA</b>					
18 years and over .....	9 870	75.4	1.6	22.4	1.6
18 to 24 years .....	1 405	71.2	4.8	4.8	2.1
25 to 44 years .....	4 778	78.7	2.2	27.7	2.5
45 to 64 years .....	2 291	78.2	3.4	26.4	3.5
65 years and over .....	1 396	66.9	4.8	15.6	3.7
25 years and over .....	8 485	78.1	1.8	25.4	1.8
Male .....	4 202	78.6	2.5	28.1	2.6
Female .....	4 283	75.5	2.5	22.7	2.4
White .....	6 911	73.9	2.0	23.6	1.9
Black .....	787	86.0	5.5	19.9	6.3
Hispanic origin <sup>2</sup> .....	2 226	43.4	5.0	6.8	2.5
<b>Miami-Fort Lauderdale, FL CMSA</b>					
18 years and over .....	2 466	71.5	2.1	18.0	1.8
18 to 24 years .....	321	73.4	5.7	6.7	3.3
25 to 44 years .....	972	79.1	3.0	23.1	3.1
45 to 64 years .....	635	68.5	4.3	20.6	3.7
65 years and over .....	538	60.0	4.9	12.3	3.3
25 years and over .....	2 145	71.2	2.3	19.7	2.0
Male .....	1 006	71.5	3.3	23.0	3.1
Female .....	1 139	70.8	3.1	16.7	2.6
White .....	1 799	74.3	2.4	21.0	2.2
Black .....	304	53.2	7.7	9.8	4.6
Hispanic origin <sup>2</sup> .....	754	60.8	5.2	15.6	3.9
<b>New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA</b>					
18 years and over .....	13 608	77.8	1.1	23.0	1.1
18 to 24 years .....	1 907	80.0	2.7	11.2	2.2
25 to 44 years .....	5 683	88.3	1.3	30.4	1.8
45 to 64 years .....	3 735	75.0	2.1	24.4	2.1
65 years and over .....	2 301	54.8	3.1	12.4	2.1
25 years and over .....	11 699	77.4	1.2	25.0	1.2
Male .....	5 351	78.9	1.7	28.4	1.8
Female .....	6 349	76.2	1.6	22.0	1.6
White .....	9 437	79.1	1.2	26.1	1.3
Black .....	1 754	68.9	3.8	13.7	2.9
Hispanic origin <sup>2</sup> .....	1 454	53.0	4.9	9.6	2.9
<b>Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA</b>					
18 years and over .....	4 593	79.0	1.5	21.0	1.5
18 to 24 years .....	635	83.3	3.6	6.7	2.4
25 to 44 years .....	1 930	90.2	1.7	31.1	2.6
45 to 64 years .....	1 267	77.0	2.9	20.1	2.7
65 years and over .....	761	50.8	4.4	8.7	2.5
25 years and over .....	3 958	78.4	1.6	23.3	1.6
Male .....	1 841	79.7	2.3	26.4	2.5
Female .....	2 117	77.2	2.2	20.6	2.1
White .....	3 208	81.0	1.7	25.3	1.9
Black .....	661	66.0	5.2	12.0	3.6
Hispanic origin <sup>2</sup> .....	61	(B)	(B)	(B)	(B)
<b>Pittsburgh-Beaver Valley, PA CMSA</b>					
18 years and over .....	1 773	79.3	2.3	19.2	2.3
18 to 24 years .....	194	80.5	6.9	9.4	5.1
25 to 44 years .....	739	93.5	2.2	27.5	4.0
45 to 64 years .....	490	78.6	4.5	20.2	4.4
65 years and over .....	349	49.7	6.5	5.7	3.0
25 years and over .....	1 579	78.2	2.5	20.4	2.5
Male .....	714	81.3	3.6	26.3	4.0
Female .....	865	77.4	3.5	15.5	3.0
White .....	1 485	79.4	2.6	20.4	2.5
Black .....	82	73.0	13.9	15.4	11.3
Hispanic origin <sup>2</sup> .....	1	(B)	(B)	(B)	(B)

See footnotes at end of table.

**Table 16. Years of School Completed by Persons 18 Years Old and Over, by Age, Sex, Race, and Hispanic Origin for the 15 Largest Metropolitan Statistical Areas: March 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Metropolitan area	Total population	Completed 3 years of high school or more		Completed 4 years of college or more	
		Percent	1.6* (s.e.) <sup>1</sup>	Percent	1.6* (s.e.) <sup>1</sup>
<b>San Francisco-Oakland-San Jose, CA CMSA</b>					
18 years and over .....	4 812	82.1	2.1	30.5	2.8
18 to 24 years .....	729	78.7	5.7	10.3	4.3
25 to 44 years .....	2 108	86.9	2.8	37.7	4.0
45 to 64 years .....	1 121	83.8	4.2	35.6	5.4
65 years and over .....	857	87.8	6.9	21.1	6.0
25 years and over .....	3 883	82.8	2.3	34.3	2.9
Male .....	1 858	84.2	3.2	40.5	4.3
Female .....	2 025	81.5	3.3	28.8	3.8
White .....	3 108	85.9	2.4	34.8	3.2
Black .....	200	71.4	14.1	20.0	12.5
Hispanic origin <sup>2</sup> .....	446	58.9	11.1	11.7	7.2
<b>St. Louis, MO-IL MSA</b>					
18 years and over .....	1 752	78.9	3.3	25.1	3.5
18 to 24 years .....	222	82.7	6.7	11.8	7.4
25 to 44 years .....	804	94.2	2.8	35.2	5.8
45 to 64 years .....	408	77.0	7.1	23.7	7.2
65 years and over .....	320	40.3	9.4	10.8	5.9
25 years and over .....	1 530	78.3	3.8	27.0	3.9
Male .....	655	79.9	5.3	31.2	6.2
Female .....	875	77.2	4.8	23.9	4.9
White .....	1 289	79.9	3.8	29.6	4.3
Black .....	223	67.4	12.5	10.7	8.2
Hispanic origin <sup>2</sup> .....	7	(B)	(B)	(B)	(B)
<b>Washington, DC-MD-VA MSA</b>					
18 years and over .....	2 917	85.7	2.1	37.2	2.9
18 to 24 years .....	425	80.8	6.2	13.8	5.3
25 to 44 years .....	1 488	91.9	2.3	44.9	4.1
45 to 64 years .....	662	84.0	4.6	41.6	6.2
65 years and over .....	342	68.1	8.1	24.4	7.5
25 years and over .....	2 492	86.5	2.2	41.2	3.2
Male .....	1 208	86.0	3.2	48.1	4.8
Female .....	1 285	87.1	3.0	34.8	4.3
White .....	1 930	89.6	2.2	48.8	3.6
Black .....	486	74.4	7.6	17.4	6.6
Hispanic origin <sup>2</sup> .....	91	74.9	18.4	39.6	20.8

Note: Based on population estimates of metropolitan areas as of July 1, 1986. Population values shown in this table are derived from the CPS sample, and may not match independently-derived estimates of the population. See "State and Metropolitan Area Populations," in appendix A for more information.

<sup>1</sup>The value of 1.6 times the standard error [1.6\*(s.e.)], added to and subtracted from the estimated percentage, yields the 90-percent confidence interval. For further details of calculation and interpretation, see appendix B, Source and Accuracy of the Estimates.

<sup>2</sup>Persons of Hispanic origin may be of any race.



**Table 17. Years of School Completed by Persons 25 Years Old and Over, by Age and Sex: Selected Years 1940 to 1989**

(Numbers in thousands. Noninstitutional population)

Years of school completed, sex and age	1989	1988 <sup>1</sup>	1988	1987	1986	1985	1984	1983	1982	1981	1980 <sup>2</sup>	1980 <sup>3</sup>	1975	1970	1960	1950	1940
<b>25 YEARS OLD AND OVER</b>																	
<b>Both Sexes</b>																	
Total .....	154,155	151,635	151,816	149,144	148,606	143,524	140,794	138,020	135,526	132,899	130,409	127,882	118,897	109,310	99,465	<sup>4</sup> 87,554	<sup>4</sup> 74,776
Elementary: 0 to 4 years .....	3,861	3,714	3,709	3,640	3,694	3,673	3,684	4,119	4,119	4,359	4,390	4,287	4,912	5,747	6,303	9,491	10,105
5 to 7 years .....	6,345	6,822	6,833	6,713	6,862	6,827	7,016	7,273	7,562	7,663	7,791	7,595	6,907	9,924	13,754	13,951	13,656
6 years .....	7,718	7,928	7,959	8,588	8,810	9,193	9,241	9,441	9,680	10,205	10,635	10,489	12,026	14,595	17,464	17,725	20,757
High school: 1 to 3 years .....	17,719	17,847	17,813	17,417	17,484	17,553	17,434	17,681	18,006	18,041	18,066	17,793	18,237	18,682	19,140	14,817	11,182
4 years .....	59,336	58,940	58,940	57,689	56,338	54,966	54,073	52,080	51,426	49,915	47,934	47,117	42,353	37,134	24,440	17,825	10,552
College: 1 to 3 years .....	26,814	25,799	25,783	25,479	24,729	23,405	22,282	21,531	20,692	20,043	19,379	18,924	14,516	11,194	6,747	6,246	4,075
4 years or more .....	32,565	30,767	30,779	29,637	28,489	27,906	26,862	25,915	24,050	22,874	22,193	21,697	16,244	12,062	7,617	5,272	3,407
Median .....	13.0	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.3	12.2	10.8	9.3	8.6
<b>Male</b>																	
Total .....	73,225	71,911	71,941	70,877	69,503	67,756	66,350	65,004	63,784	62,509	61,389	60,257	55,036	51,784	47,997	<sup>4</sup> 42,627	<sup>4</sup> 37,483
Elementary: 0 to 4 years .....	1,956	1,852	1,855	1,794	1,978	1,947	1,945	2,103	2,073	2,142	2,212	2,175	2,568	3,031	4,522	5,074	5,550
5 to 7 years .....	3,114	3,268	3,272	3,261	3,266	3,391	3,368	3,402	3,575	3,607	3,683	3,588	4,148	4,684	7,022	7,004	7,006
6 years .....	3,545	3,581	3,600	3,998	4,160	4,238	4,320	4,348	4,412	4,715	4,964	4,906	5,612	7,041	6,540	6,848	10,631
High school: 1 to 3 years .....	8,078	8,247	8,217	7,909	7,872	7,783	7,837	7,867	7,960	8,065	8,046	7,926	7,965	8,355	6,968	6,974	5,333
4 years .....	25,897	25,938	25,874	24,908	24,260	23,552	22,990	22,048	21,749	21,019	20,080	19,743	17,769	15,571	10,175	7,511	4,507
College: 1 to 3 years .....	12,725	12,057	12,052	12,082	11,856	11,164	10,679	10,310	10,020	9,734	9,593	9,362	7,274	5,580	4,127	2,888	1,824
4 years or more .....	17,913	17,268	17,269	16,654	16,091	15,682	15,211	14,926	13,974	13,206	12,832	12,555	9,679	7,321	4,626	3,008	2,021
Median .....	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.4	12.2	10.3	9.0	6.6
<b>Female</b>																	
Total .....	80,930	79,724	79,876	78,487	77,102	75,768	74,444	73,016	71,762	70,390	69,020	67,624	61,861	57,527	51,468	<sup>4</sup> 44,857	<sup>4</sup> 37,313
Elementary: 0 to 4 years .....	1,904	1,862	1,855	1,846	1,916	1,926	1,939	2,016	2,045	2,217	2,178	2,113	2,344	2,716	3,761	4,417	4,554
5 to 7 years .....	3,231	3,363	3,361	3,452	3,576	3,435	3,650	3,871	3,977	4,056	4,129	4,007	4,458	5,041	6,732	6,947	6,848
6 years .....	4,171	4,347	4,359	4,590	4,650	4,955	4,921	5,093	5,266	5,490	5,671	5,560	6,413	7,554	6,924	6,677	10,125
High school: 1 to 3 years .....	9,643	9,599	9,596	9,508	9,612	9,770	9,596	9,814	10,046	9,957	10,040	9,865	10,252	10,327	10,151	7,843	5,849
4 years .....	33,440	33,303	33,296	32,671	32,078	31,314	31,083	30,012	29,677	28,896	27,854	27,375	24,684	21,583	14,267	10,114	6,044
College: 1 to 3 years .....	13,888	13,741	13,730	13,417	12,874	12,242	11,603	11,220	10,872	10,306	9,796	9,582	7,243	5,584	4,620	3,358	2,251
4 years or more .....	14,852	13,519	13,510	12,983	12,399	12,126	11,651	10,990	10,076	9,466	9,362	9,144	6,565	4,743	2,991	2,264	1,366
Median .....	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.4	12.4	12.3	12.1	10.9	9.6	6.7
<b>25 to 34 YEARS OLD</b>																	
<b>Both Sexes</b>																	
Total .....	43,240	42,953	42,970	42,635	42,053	40,858	40,173	39,342	38,703	37,828	36,815	35,264	30,092	24,065	22,621	<sup>4</sup> 23,826	<sup>4</sup> 21,339
Elementary: 0 to 4 years .....	446	430	442	390	387	362	404	376	336	336	362	339	313	329	709	1,147	1,377
5 to 7 years .....	712	689	697	720	696	614	624	626	684	689	705	660	755	800	1,689	2,385	3,123
6 years .....	640	619	619	640	661	714	748	696	677	740	719	686	889	1,137	2,049	2,923	4,553
High school: 1 to 3 years .....	4,013	4,095	4,078	3,995	3,797	3,703	3,640	3,664	3,596	3,666	3,571	3,415	3,743	4,251	5,135	5,060	4,553
4 years .....	17,901	17,887	17,889	17,539	17,311	16,748	16,431	15,804	15,893	15,419	14,481	13,996	12,544	10,929	8,166	7,660	4,702
College: 1 to 3 years .....	9,072	9,076	9,069	9,157	9,104	8,980	8,555	8,569	8,304	8,197	7,942	7,651	5,403	3,491	2,572	2,198	1,554
4 years or more .....	10,454	10,155	10,174	10,196	10,094	9,737	9,771	9,605	9,200	8,762	8,636	8,515	6,443	3,926	2,499	1,252	1,266
Median .....	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.7	12.5	12.2	11.9	10.0
<b>Male</b>																	
Total .....	21,461	21,277	21,320	21,142	20,956	20,184	19,676	19,438	19,090	18,625	18,051	17,346	14,776	12,236	11,184	<sup>4</sup> 11,454	<sup>4</sup> 10,521
Elementary: 0 to 4 years .....	251	237	244	223	227	194	232	213	183	178	198	184	177	189	420	631	779
5 to 7 years .....	388	385	392	372	354	324	335	324	339	359	342	317	343	468	926	1,207	1,579
6 years .....	310	266	269	326	361	376	387	334	319	373	357	338	472	595	1,100	1,496	2,363
High school: 1 to 3 years .....	2,129	2,227	2,217	2,030	1,887	1,823	1,737	1,723	1,655	1,679	1,639	1,558	1,605	1,696	2,441	2,426	2,220
4 years .....	6,659	6,569	6,594	6,544	6,359	7,955	7,796	7,351	7,380	6,991	6,393	6,158	5,508	4,833	3,358	3,250	2,049
College: 1 to 3 years .....	4,391	4,273	4,278	4,384	4,488	4,433	4,237	4,284	4,162	4,185	4,166	4,010	2,915	1,842	1,316	1,117	692
4 years or more .....	5,335	5,319	5,326	5,263	5,279	5,080	5,150	5,207	5,053	4,883	4,957	4,781	3,757	2,412	1,624	538	744
Median .....	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.0	13.0	13.0	13.1	13.1	12.9	12.6	12.2	11.5	9.7

**Table 17. Years of School Completed by Persons 25 Years Old and Over, by Age and Sex: Selected Years 1940 to 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Years of school completed, sex and age	1989	1988 <sup>1</sup>	1988	1987	1986	1985	1984	1983	1982	1981	1980 <sup>2</sup>	1980 <sup>3</sup>	1975	1970	1960	1950	1940
<b>Female</b>																	
Total .....	21,777	21,675	21,849	21,494	21,097	20,673	20,297	19,903	19,614	19,203	18,565	17,916	15,316	12,629	11,637	<sup>4</sup> 12,172	<sup>4</sup> 10,816
Elementary: 0 to 4 years .....	195	193	199	168	180	168	171	162	156	160	164	155	135	140	289	516	598
5 to 7 years .....	324	305	306	348	344	289	290	304	356	330	363	343	414	334	763	1,178	1,544
8 years .....	330	352	349	314	300	338	360	361	357	368	362	348	419	542	949	1,425	2,200
High school: 1 to 3 years .....	1,885	1,869	1,862	1,965	1,910	1,880	1,903	1,941	1,943	1,968	1,932	1,857	2,139	2,355	2,694	2,624	2,333
4 years .....	9,242	9,319	9,295	8,995	8,952	8,794	8,634	8,452	8,512	8,427	8,087	7,840	7,037	6,096	4,810	4,410	2,653
College: 1 to 3 years .....	4,681	4,801	4,790	4,772	4,616	4,547	4,319	4,285	4,142	4,013	3,777	3,640	2,489	1,648	1,256	1,061	662
4 years or more .....	5,119	4,836	4,850	4,932	4,813	4,657	4,621	4,398	4,148	3,918	3,879	3,733	2,666	1,512	875	714	544
Median .....	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.9	12.8	12.8	12.8	12.6	12.5	12.2	12.1	10.3
<b>35 TO 54 YEARS OLD</b>																	
<b>Both sexes</b>																	
Total .....	60,494	58,555	56,477	56,650	55,170	53,697	52,298	50,955	49,721	48,679	48,124	47,971	48,193	48,319	44,742	<sup>4</sup> 38,432	<sup>4</sup> 33,845
Elementary: 0 to 4 years .....	999	958	947	842	896	899	893	973	962	1,039	1,034	1,006	1,296	1,481	2,424	3,404	4,549
5 to 7 years .....	1,659	1,708	1,704	1,826	1,714	1,683	1,750	1,977	2,045	2,004	2,006	1,984	2,556	3,220	5,430	6,828	8,429
8 years .....	1,556	1,564	1,554	1,772	1,800	1,956	2,005	2,065	2,275	2,526	2,666	2,660	3,386	4,715	7,106	8,145	9,841
High school: 1 to 3 years .....	5,800	5,899	5,868	5,856	5,799	5,978	6,159	6,313	6,657	6,774	7,063	7,066	7,765	8,555	9,502	6,976	4,972
4 years .....	23,334	23,049	23,060	22,820	22,151	21,600	21,290	20,787	20,444	20,032	19,584	19,575	19,010	18,200	12,517	7,262	4,217
College: 1 to 3 years .....	11,827	11,017	11,007	10,523	10,110	9,217	8,700	8,045	7,581	7,124	6,843	6,811	5,673	4,875	4,123	2,878	1,836
4 years or more .....	15,417	14,399	14,340	13,409	12,629	12,363	11,500	10,795	9,755	9,181	8,822	8,769	6,506	5,294	3,639	2,516	1,540
Median .....	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.8	12.8	12.8	12.8	12.4	12.3	11.3	9.7	8.6
<b>Male</b>																	
Total .....	29,597	28,645	28,597	27,680	26,925	26,181	25,460	24,796	24,165	23,645	23,373	23,259	22,358	22,475	21,919	<sup>4</sup> 18,696	<sup>4</sup> 17,127
Elementary: 0 to 4 years .....	504	498	495	412	475	501	503	547	529	572	590	570	763	834	1,397	1,834	2,480
5 to 7 years .....	884	901	892	858	913	922	930	1,023	1,079	1,050	1,072	1,064	1,361	1,707	2,831	1,727	3,321
8 years .....	878	824	822	943	1,006	1,006	1,065	1,083	1,223	1,374	1,420	1,415	1,739	2,501	3,584	4,164	5,137
High school: 1 to 3 years .....	2,828	2,854	2,639	2,617	2,899	2,726	2,830	2,962	2,991	3,112	3,202	3,206	3,510	3,676	4,579	3,339	2,388
4 years .....	10,235	10,100	10,112	9,781	9,393	9,210	8,926	8,795	8,811	8,432	8,278	8,280	7,952	7,612	5,364	3,151	1,798
College: 1 to 3 years .....	5,719	5,327	5,315	5,173	5,013	4,502	4,257	3,884	3,756	3,516	3,442	3,416	2,879	2,555	1,957	1,271	819
4 years or more .....	6,749	6,340	6,321	7,695	7,426	7,314	6,929	6,802	5,976	5,588	5,370	5,328	4,153	3,390	2,206	1,403	917
Median .....	13.0	12.9	12.9	12.9	12.9	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.5	12.3	11.1	9.6	8.5
<b>Female</b>																	
Total .....	30,898	29,908	29,881	28,969	28,244	27,516	26,837	26,159	25,557	25,034	24,751	24,712	23,835	23,845	22,623	<sup>4</sup> 19,536	<sup>4</sup> 16,176
Elementary: 0 to 4 years .....	498	462	453	430	420	398	389	426	433	467	444	436	533	629	1,027	1,570	2,070
5 to 7 years .....	774	808	812	768	801	781	821	955	966	954	938	921	1,195	1,513	2,599	3,101	3,108
8 years .....	778	739	731	830	893	949	920	981	1,052	1,151	1,248	1,245	1,647	2,215	3,522	3,981	4,704
High school: 1 to 3 years .....	3,171	3,234	3,227	3,039	3,071	3,252	3,331	3,451	3,667	3,663	3,662	3,660	4,256	4,679	4,923	3,637	2,584
4 years .....	13,099	12,949	12,948	13,038	12,759	12,391	12,364	11,992	11,834	11,600	11,307	11,315	11,058	10,588	7,153	4,111	2,419
College: 1 to 3 years .....	5,908	5,689	5,691	5,349	5,098	4,715	4,443	4,161	3,826	3,805	3,501	3,495	2,793	2,318	1,666	1,017	685
4 years or more .....	6,689	6,029	6,019	5,513	5,202	5,049	4,571	4,193	3,778	3,593	3,452	3,441	2,352	1,903	1,433	1,113	623
Median .....	12.6	12.7	12.6	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.5	12.5	12.4	12.3	11.6	9.7	8.7
<b>55 YEARS AND OVER</b>																	
<b>Both sexes</b>																	
Total .....	50,421	50,128	50,169	49,658	49,393	48,969	48,324	47,723	47,101	46,391	45,670	44,647	40,813	38,126	31,902	<sup>4</sup> 25,427	<sup>4</sup> 19,592
Elementary: 0 to 4 years .....	2,412	2,325	2,320	2,408	2,811	2,612	2,587	2,770	2,818	2,983	2,994	2,943	3,303	3,957	5,189	4,940	4,178
5 to 7 years .....	3,974	4,224	4,232	4,368	4,449	4,529	4,643	4,668	4,812	4,969	5,076	4,950	5,298	5,904	6,635	5,290	4,104
8 years .....	5,421	5,745	5,796	6,178	6,250	6,523	6,488	6,680	6,728	6,940	7,248	7,123	7,749	8,747	6,309	6,657	6,363
High school: 1 to 3 years .....	7,907	7,860	7,869	7,766	7,917	7,872	7,634	7,704	7,751	7,602	7,451	7,312	6,730	5,877	4,503	2,791	1,858
4 years .....	18,102	18,004	17,992	17,310	16,876	16,516	16,353	15,469	15,089	14,465	13,869	13,546	10,798	6,005	3,757	2,704	1,633
College: 1 to 3 years .....	5,914	5,705	5,706	5,799	5,515	5,208	5,027	4,916	4,808	4,721	4,494	4,362	3,442	2,797	2,051	1,170	685
4 years or more .....	6,693	6,263	6,264	6,033	5,767	5,706	5,592	5,514	5,095	4,711	4,535	4,412	3,295	2,643	1,479	1,005	579
Median .....	12.3	12.3	12.3	12.2	12.2	12.2	12.2	12.1	12.1	12.0	12.0	12.0	10.8	9.2	8.5	6.3	6.2

**Table 17. Years of School Completed by Persons 25 Years Old and Over, by Age and Sex: Selected Years 1940 to 1989—Con.**

(Numbers in thousands. Noninstitutional population)

Years of school completed, sex and age	1989	1988 <sup>1</sup>	1988	1987	1986	1985	1984	1983	1982	1981	1980 <sup>2</sup>	1980 <sup>3</sup>	1975	1970	1960	1950	1940
<b>Male</b>																	
Total	22,187	21,989	22,023	21,855	21,822	21,391	21,014	20,789	20,509	20,239	19,967	19,853	17,903	17,074	14,895	<sup>4</sup> 12,277	<sup>4</sup> 9,815
Elementary: 0 to 4 years	1,202	1,117	1,115	1,160	1,275	1,252	1,209	1,342	1,361	1,393	1,424	1,421	1,628	2,011	2,704	2,609	2,293
5 to 7 years	1,842	1,982	1,988	2,032	2,020	2,145	2,104	2,055	2,157	2,198	2,250	2,208	2,444	2,710	3,265	2,822	2,108
8 years	2,356	2,489	2,509	2,730	2,793	2,856	2,848	2,930	2,871	2,968	3,186	3,156	3,401	3,945	3,856	3,186	3,141
High school: 1 to 3 years	3,317	3,366	3,362	3,281	3,286	3,234	3,271	3,281	3,314	3,294	3,208	3,164	2,871	2,583	1,969	1,209	724
4 years	7,000	6,968	6,968	6,873	6,509	6,387	6,266	5,902	5,759	5,596	5,409	5,325	4,308	3,127	1,453	1,111	660
College: 1 to 3 years	2,818	2,455	2,459	2,504	2,355	2,229	2,185	2,142	2,101	2,031	1,986	1,935	1,480	1,182	853	500	313
4 years or more	3,829	3,809	3,822	3,496	3,385	3,289	3,132	3,117	2,946	2,758	2,508	2,444	1,768	1,516	796	569	361
Median	12.3	12.3	12.3	12.3	12.2	12.2	12.2	12.1	12.1	12.0	11.9	11.9	10.5	9.0	6.4	6.2	6.1
<b>Female</b>																	
Total	28,255	28,139	28,147	28,004	27,782	27,576	27,309	26,954	26,583	26,153	25,703	24,984	22,710	21,052	17,007	<sup>4</sup> 13,150	<sup>4</sup> 9,777
Elementary: 0 to 4 years	1,211	1,208	1,205	1,248	1,336	1,360	1,377	1,428	1,457	1,590	1,571	1,522	1,875	1,946	2,485	2,331	1,886
5 to 7 years	2,132	2,242	2,243	2,336	2,430	2,395	2,539	2,613	2,655	2,771	2,828	2,743	2,850	3,195	3,370	2,688	1,996
8 years	3,063	3,256	3,279	3,446	3,456	3,667	3,640	3,750	3,858	3,971	4,061	3,967	4,348	4,798	4,453	3,471	3,221
High school: 1 to 3 years	4,587	4,495	4,507	4,504	4,630	4,638	4,383	4,423	4,436	4,308	4,245	4,148	3,858	3,292	2,534	1,582	932
4 years	11,099	11,034	11,023	10,837	10,367	10,129	10,087	9,587	9,331	8,868	8,460	8,220	6,490	4,879	2,304	1,593	973
College: 1 to 3 years	3,300	3,250	3,249	3,284	3,160	2,979	2,842	2,775	2,705	2,691	2,509	2,427	1,962	1,615	1,198	870	372
4 years or more	2,863	2,855	2,641	2,539	2,382	2,420	2,460	2,389	2,150	1,953	2,030	1,968	1,527	1,327	683	436	219
Median	12.3	12.3	12.3	12.2	12.2	12.2	12.2	12.1	12.1	12.0	12.0	12.1	10.9	9.5	6.8	6.4	6.3

<sup>1</sup>Revised. Beginning with data for 1988, a new edit and tabulation package has been introduced.

<sup>2</sup>Controlled to 1980 Census base.

<sup>3</sup>Controlled to 1970 Census base.

<sup>4</sup>Total includes persons who did not report on years of school completed.

Source: 1970, 1975, and 1980 to 1985 March Current Population Survey, (noninstitutional population, excluding members of the Armed Forces living in Barracks); 1960 Census of Population, 1950 Census Population, and 1940 Census of Population (resident population).



**Table 18. Percent of Persons 25 Years Old and Over Who Have Completed High School or College, by Race, Hispanic Origin and Sex: Selected Years 1940 to 1990—Con.**

(Noninstitutional population. For meaning of symbols, see text)

Year and age	All races			White			Black <sup>1</sup>			Hispanic origin <sup>2</sup>		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
1990 <sup>5</sup>	85.6	85.6	85.6	87.0	86.9	87.1	76.9	75.7	77.9	58.0	57.0	58.9
1979	85.6	86.3	84.9	87.0	87.7	86.4	74.6	73.9	75.4	57.0	55.5	58.5
1978	85.3	86.0	84.6	86.3	86.6	85.8	77.3	76.5	78.3	56.6	58.5	54.7
1977	85.4	86.6	84.2	86.6	87.6	86.0	74.4	77.5	72.0	58.1	62.1	54.8
1976	84.7	86.0	83.5	85.9	87.3	84.6	73.6	72.5	74.9	58.1	57.6	58.4
1975	83.1	84.5	81.6	84.4	85.7	83.2	71.0	72.2	70.1	51.7	51.1	52.1
1974	81.9	83.1	80.6	83.4	84.1	82.7	66.2	71.1	66.0	52.5	55.1	49.9
1973	80.2	80.6	79.8	82.0	82.4	81.6	64.2	63.1	64.9	(NA)	(NA)	(NA)
1972	79.6	80.5	79.2	81.5	82.3	80.6	64.1	61.6	66.2	(NA)	(NA)	(NA)
1971	77.2	78.1	76.4	78.5	80.6	78.3	57.5	54.1	60.7	(NA)	(NA)	(NA)
1970	75.4	76.6	74.2	77.6	79.2	78.4	56.2	54.5	57.9	(NA)	(NA)	(NA)
1969	74.7	75.6	73.6	77.0	77.5	76.6	55.6	59.6	52.3	(NA)	(NA)	(NA)
1968	73.2	73.7	72.7	75.3	75.5	75.0	55.6	58.1	53.6	(NA)	(NA)	(NA)
1967	72.5	72.1	72.9	74.6	74.3	75.3	53.4	51.7	55.0	(NA)	(NA)	(NA)
1966	71.0	70.9	71.2	73.6	73.2	74.4	47.9	48.9	47.0	(NA)	(NA)	(NA)
1965	70.3	70.5	70.1	72.6	72.7	72.6	50.3	50.3	50.4	(NA)	(NA)	(NA)
1964	69.2	68.6	69.5	72.1	71.6	72.4	45.0	41.6	47.9	(NA)	(NA)	(NA)
1962	65.9	65.6	66.1	69.2	69.2	69.3	41.6	38.9	43.6	(NA)	(NA)	(NA)
1959	63.9	63.9	64.0	67.2	66.9	67.4	39.5	40.6	38.6	(NA)	(NA)	(NA)
1957	60.2	57.9	62.4	63.3	60.7	65.7	31.6	27.4	35.2	(NA)	(NA)	(NA)
1952	57.1	55.3	58.7	(NA)	(NA)	(NA)	28.1	27.9	26.3	(NA)	(NA)	(NA)
1950	52.6	50.6	55.0	(NA)	(NA)	(NA)	23.6	21.3	25.5	(NA)	(NA)	(NA)
1947	51.4	49.4	53.3	54.9	52.9	56.6	22.3	19.6	24.7	(NA)	(NA)	(NA)
1940	38.1	36.0	40.1	41.2	38.9	43.4	12.3	10.6	13.6	(NA)	(NA)	(NA)
1940 <sup>6</sup>	(x)	(x)	(x)	(x)	(x)	(x)	11.6	9.6	13.2	(NA)	(NA)	(NA)
<b>Completed 4 Years of College or More</b>												
1989	23.4	23.9	22.9	24.4	24.6	24.0	12.7	12.0	13.3	10.1	9.6	10.6
1988	22.5	23.2	21.9	23.5	24.0	22.9	12.2	12.6	11.3	11.4	12.1	10.6
1986	22.7	23.4	21.9	23.5	24.1	23.0	12.3	12.8	11.6	11.3	11.9	10.6
1987	22.0	22.3	21.7	23.0	23.3	22.6	11.4	11.6	11.1	8.7	9.2	6.2
1986	22.4	22.9	21.9	23.5	24.1	22.9	11.8	10.1	13.3	9.0	6.9	9.1
1985	22.2	23.1	21.3	23.2	24.2	22.2	11.5	10.3	12.6	11.1	10.9	11.2
1984	21.9	23.2	20.7	23.1	24.3	21.9	11.8	12.9	10.5	10.8	9.6	11.6
1983	22.5	23.9	21.1	23.4	25.0	21.6	12.9	13.1	12.6	10.4	9.6	11.1
1982	21.7	23.3	20.2	22.7	24.5	20.9	12.6	11.8	13.2	9.7	10.7	6.7
1981	21.3	23.1	19.6	22.4	24.3	20.5	11.6	12.1	11.1	7.5	6.6	6.6
1980	22.5	24.0	21.0	23.7	25.5	22.0	11.6	10.5	12.5	7.7	6.4	6.9
1980 <sup>5</sup>	22.5	24.1	20.9	23.7	25.5	21.9	11.7	10.7	12.5	7.7	6.4	6.9
1979	23.1	25.6	20.5	24.3	27.1	21.5	12.4	13.3	11.7	7.3	7.9	6.6
1978	23.3	26.0	20.8	24.5	27.8	21.4	11.6	10.7	12.6	9.6	9.6	9.7
1977	24.0	27.0	21.1	25.3	28.5	22.1	12.6	12.6	12.4	6.7	7.2	6.4
1976	23.7	27.5	20.1	24.6	26.7	20.6	13.0	13.6	13.6	7.4	10.3	4.8
1975	21.9	25.1	16.7	22.8	26.3	19.4	10.7	11.4	10.1	6.6	10.0	7.3
1974	20.7	23.9	17.8	22.0	25.3	16.6	7.9	6.8	7.2	5.7	7.2	4.6
1973	19.0	21.6	16.4	19.9	22.6	17.0	6.1	7.1	6.6	(NA)	(NA)	(NA)
1972	19.0	22.0	16.0	19.9	23.1	16.7	6.3	7.1	9.4	(NA)	(NA)	(NA)
1971	16.9	20.1	13.6	17.9	21.3	14.6	6.4	6.4	6.5	(NA)	(NA)	(NA)
1970	16.4	20.0	12.9	17.3	21.3	13.3	7.3	6.7	6.0	(NA)	(NA)	(NA)
1968	16.0	19.4	12.8	17.0	20.6	13.4	6.7	6.1	5.5	(NA)	(NA)	(NA)
1966	14.7	16.0	11.6	15.6	19.1	12.3	5.3	5.3	5.3	(NA)	(NA)	(NA)
1967	14.6	17.2	12.1	15.5	18.3	12.7	5.4	4.2	6.3	(NA)	(NA)	(NA)
1966	14.0	16.6	11.3	14.7	17.9	11.6	5.9	5.4	6.4	(NA)	(NA)	(NA)
1965	12.4	15.6	9.5	13.0	16.4	9.6	6.6	7.3	6.6	(NA)	(NA)	(NA)
1964	12.6	16.6	9.2	13.6	17.5	9.9	5.5	7.5	3.9	(NA)	(NA)	(NA)
1962	13.1	17.2	9.2	14.3	16.7	10.0	4.2	5.7	3.0	(NA)	(NA)	(NA)
1959	11.1	14.8	7.8	11.9	15.9	8.1	4.6	5.6	3.7	(NA)	(NA)	(NA)
1957	10.4	13.5	7.5	11.1	14.5	7.6	4.1	3.3	5.0	(NA)	(NA)	(NA)
1952	10.1	13.6	6.7	(NA)	(NA)	(NA)	4.6	3.2	5.8	(NA)	(NA)	(NA)
1950	7.7	9.6	5.9	(NA)	(NA)	(NA)	2.9	2.4	3.2	(NA)	(NA)	(NA)
1947	5.8	5.8	5.4	5.9	6.2	5.7	2.6	2.6	2.9	(NA)	(NA)	(NA)
1940	5.9	6.9	4.9	6.4	7.5	5.3	1.6	1.5	1.7	(NA)	(NA)	(NA)
1940 <sup>6</sup>	(x)	(x)	(x)	(x)	(x)	(x)	1.6	1.5	1.7	(NA)	(NA)	(NA)

<sup>1</sup>Data are for Black and other races for 1940 to 1962; for 1963 to 1986, data are for Black persons only.

<sup>2</sup>Persons of Hispanic origin may be of any race.

<sup>3</sup>Revised. Beginning with 1986, a new edit and tabulation package has been introduced.

<sup>4</sup>Controlled to 1980 Census base.

<sup>5</sup>Controlled to 1970 Census base.

<sup>6</sup>Black only.

Source: 1947, and 1952 to 1989 March Current Population Survey, (noninstitutional population, excluding members of the Armed Forces living in barracks) 1950 Census of Population and 1940 Census of Population (resident population).

## Appendix A. Definitions and Explanations

**Population coverage.** The figures in this report for March 1988 and March 1989 are sample survey data and relate to the noninstitutional population of the 50 States and the District of Columbia. Members of the Armed Forces living off post or with their families on post are included; all other members of the Armed Forces are excluded.

Population figures shown for States and SMSA's are based on weighted results of the Current Population Survey and have not been adjusted to independent Census Bureau estimates.

The estimation procedure used for this survey involves the inflation of the weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, race, and sex. These independent estimates are based on civilian noninstitutional population counts from the decennial censuses and are updated with statistics on births, deaths, immigration, and emigration and statistics on the strength of the Armed Forces. Data published in this series for 1972 through 1979 were based on independent population estimates derived by updating the 1970 decennial census counts. Starting with the data collected in March 1980 Current Population Survey (CPS), independent estimates were based on civilian noninstitutional population controls for age, race, and sex established by the 1980 decennial census.

The April 1980 census population count differed somewhat from the independent estimates for April 1980 derived by updating 1970 census population figures. The April 1980 census count of the civilian noninstitutional population was 222,420,441, compared with the 1970 census based figure of 217,400,244 used for the CPS. Basically, this difference had little impact on summary or proportional measures, such as medians and percent distributions; however, use of the new controls could have significant effect on the absolute numbers.

**Undocumented immigrants.** The 1980 census counted about 2 million undocumented immigrants according to Census Bureau estimates. Beginning in January 1986, the independent population controls included an allowance for growth in the undocumented population for every year since 1980. This methodological change was partially offset by another change that increased the allowance for emigration of legal residents. Data shown

Current Population Surveys with controls based on

pre-1986 methods have not been revised to take into account these methodological changes. Consequently, direct comparisons of CPS figures for months before January 1986 with later months will not be consistent. Series P-25, No. 985, reviews the postcensal population estimates methodology currently in use.

**Age.** The age classification is based on the age of the person at his/her last birthday.

**Race.** The population is divided into three groups on the basis of race: White, Black, and "other races." The last category includes Indians, Japanese, Chinese, and any other race except White and Black. In this report, "other races" is not shown separately.

**Spanish origin.** Information on origin or descent was obtained by asking, "What is (this person's) origin or descent?" Responses generally refer to a person's perceived national or ethnic lineage and do not necessarily indicate the country of birth of himself/herself or his/her parents.

Persons of Spanish origin are persons who reported themselves as Mexican American, Chicano, Mexican, Mexicano, Puerto Rican, Cuban, Central or South American, or other Spanish origin. However, all persons who reported themselves as Mexican American, Chicano, Mexican, or Mexicano were combined into the one category: Mexican. Persons of Spanish origin may be of any race.

**Years of school completed.** Data on years of school completed in this report were derived from the combination of answers to two questions: (a) "What is the highest grade of school he has ever attended?" and (b) "Did he finish this grade?"

The questions on educational attainment apply only to progress in "regular" schools. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior high), colleges, universities, and professional schools, whether day schools or night schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate or high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools was counted only if the credits obtained were regarded as transferable to a school in the regular school system.

The median years of school completed is defined as the value which divides the population into two equal parts one-half having completed more schooling and one-half having completed less schooling than the median. This median was computed after the statistics on years of school completed had been converted to a continuous series of numbers (e.g., completion of the first year of high school was treated as completion of the 9th year and the completion of the first year of college as completion of the 13th year). The persons completing a given school year were assumed to be distributed evenly within the interval from .0 to .9 of the year (for example, persons completing the 12th year were assumed to be distributed evenly between 12.0 and 12.9). In fact, at the time of the March survey, most of the enrolled persons had completed about three-fourths of a school year beyond the highest grade completed, whereas a large majority of persons who were not enrolled had not attended any part of a grade beyond the highest one completed. The effect of the assumption is to place the median for younger persons slightly below, and for older persons slightly above, the true median. Because of the inexact assumption as to the distribution within an interval, this median is more appropriately used for comparing groups and the same group at different dates than as an absolute measure of educational attainment.

**Marital status.** The marital status classification identifies four major categories: single (never married), married, widowed, and divorced. These terms refer to the marital status at the time of the enumeration.

The category "married" is further divided into "married spouse present," "separated," and "other married, spouse absent." Only the first is shown separately in this report. A person was classified as "married, spouse present" if the husband or wife was reported as a member of the household, even though he or she may have been temporarily absent on business or on vacation, visiting, in a hospital, etc., at the time of the enumeration. Persons reported as separated included those with legal separations and other persons permanently or temporarily separated because of marital discord. The remainder includes married persons living apart because either the husband or wife was employed and living at a considerable distance from home, was serving away from home in the Armed Forces, had moved to another area, or had a different place of residence for any other reason except separation as defined above.

**Household.** A household consists of all the persons who occupy a housing unit. A house, an apartment or other group of rooms, or a single room, is regarded as a housing unit when it is occupied or intended for occupancy as separate living quarters; that is, when the occupants do not live and eat with any other persons in the structure and there is direct access from the outside through a common hall.

A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone in a housing unit, or a group of unrelated persons sharing a housing unit, as partners, is also counted as a household. The count of households excludes group quarters.

**Householder.** The householder refers to the person (or one of the persons) in whose name the housing unit is owned or rented (maintained) or, if there is no such person, any adult member, excluding roomers, boarders, or paid employees. If the house is owned or rented jointly by a married couple, the householder may be either the husband or the wife. The person designated as the householder is the "reference person" to whom the relationship of all other household members, if any, is recorded.

Prior to 1980, the husband was always considered the householder in married-couple households. The number of householders is equal to the number of households. Also, the number of family householders is equal to the number of families.

**Head versus householder.** Beginning with the 1980 CPS, the Bureau of the Census discontinued the use of the terms "head of household" and "head of family." Instead, the terms "householder" and "family householder" are used. Recent social changes resulted in greater sharing of household responsibilities among the adult members and, therefore, have made the term "head" increasingly inappropriate in the analysis of household and family data. Specifically, the Census Bureau has discontinued its longtime practice of always classifying the husband as the reference person (head) when he and his wife are living together.

In this report, the term "householder" is used in the presentation of data that had previously been presented with the designation "head."

**Family.** A family is a group of two persons or more (one of whom is the householder) related by birth, marriage, or adoption and residing together; all such persons (including related subfamily members) are considered as members of one family.

**Family household.** A family household is a household maintained by a family (as defined above). The family householder is a designated householder of such a household. Prior to 1980 this person was referred to as the "family head."

**Employed.** Employed persons comprise those civilians who, during the survey week, were either (1) "at work"—those who did any work for pay or profit, or worked without pay for 15 hours or more on a family farm or business; or (2) "with a job but not at

work"—those who did not work and were not looking for work but had a job or business from which they were temporarily absent because of vacation, illness, labor-management dispute, bad weather, or because they were taking the week off for various other reasons.

**Occupation.** Data on occupation are shown for the employed and relate to the job held during the survey week. Persons employed at two jobs or more were reported in the job at which they worked the greatest number of hours during the week. The major groups used here are generally the major groups used in the 1980 Census of Population, Vol. 1, Characteristics of the Population, U.S. Summary.

**State and Metropolitan Area Populations.** As part of the weighting procedure for the CPS, independent estimates of the civilian non-institutional population ages 16 and older for each state are used as one control factor. This control is used in an overall weighting procedure which also includes controls for age, race, sex and Hispanic/non-Hispanic categories. Use of the CPS sample to compute population estimates for specific states and metropolitan areas may be less precise than estimates which are independently derived, and which are not influenced by the weighting control factors, the interaction of these factors, and factors related to the specific design and sample selected. Current official (independently derived) estimates of the population are available in the Current Population Reports P-25 Series, or from the Population Estimates Branch, U.S. Bureau of the Census.

**Metropolitan-nonmetropolitan residence.** The population residing in metropolitan statistical areas (MSA's) constitutes the metropolitan population. MSA's are defined by the Office of Management and Budget for use in the presentation of statistics by agencies of the Federal Government. An MSA is a geographic area consisting of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with the nucleus. The definitions specify a boundary around each large city so as to include most of all its suburbs. Entire counties form the MSA building blocks, except in New England where cities and towns are used. The former term SMSA was changed to MSA in 1983.

An area qualifies for recognition as an MSA if (1) it includes a city of at least 50,000 population, or (2) it includes a Census Bureau-defined urbanized area of at least 50,000 with a total metropolitan population of at least 100,000 (75,000 in New England). In addition to the county containing the main city or urbanized area, an MSA may include other counties having strong commuting ties to the central county. If specific conditions are met, certain large MSA's are designated as consolidated MSA's (CMSA's) and divided into component primary MSA's (PMSA's).

**Central cities.** The largest city in each MSA is always designated a central city. There may be additional central cities if specified requirements, designed to identify places of central character within the MSA, are met. Although the largest central cities are generally included in the title of the MSA, there may be central cities that are not part of the title. The balance of the MSA outside the central city or cities often is regarded as equivalent to "suburbs."

**Note to users.** In July 1985, the CPS began carrying the metropolitan statistical area definitions announced by the Office of Management and Budget on June 30, 1984. Figures published from the CPS in the early 1980's and throughout most of the 1970's referred to metropolitan areas as defined on the basis of the 1970 census. Since there are important differences in the population classified as metropolitan using the 1970 and 1984 definitions, comparisons should be avoided.

The new CPS metropolitan estimates have consistently been higher than independent estimates of the metropolitan population prepared by the Census Bureau; the new CPS nonmetropolitan estimates have been lower than the independent estimates. For example, between July 1985 and August 1986, the magnitude of the monthly differences varied from 900,000 to 2.5 million persons, so that the proportion of the population living in metropolitan areas according to the CPS has ranged from 0.4 to 1.0 percentage points higher than the independent estimate. The difference in level between the two sets of estimates is partially attributable to the basic CPS sample design, which, because of sampling variability, includes an oversample of metropolitan households and an undersample of nonmetropolitan households. The monthly variations result from the exit and entrance of rotation groups, each with slightly different metropolitan-nonmetropolitan proportions, into the sample. The apparent overestimation of metropolitan and underestimation of nonmetropolitan population in the CPS relative to the Bureau's independent estimates should be taken into account when using the data.

**Farm-nonfarm residence.** The farm population refers to rural residents living on farms. The definition of a farm was changed in the mid-1970's, and the new definition was introduced into this data series beginning with the report for March 1980 and 1981.

According to the current definition, the farm population consists of all persons living in rural territory on places from which \$1,000 or more of agricultural products were sold during the preceding 12 months. Rural persons in institutions, motels, and tourist camps are not classified as farm population.

The nonfarm population comprises persons living in urban areas and all rural persons not on farms.



**Geographic regions.** The four major regions of the United States, for which data are presented in this report, represent groups of States, as follows:

*Northeast:* Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

*Midwest:* Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

*South:* Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

*West:* Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

**Symbols.** A dash (-) represents zero or rounds to zero, and the symbol "B" means that the base for the derived figure is less than 75,000. An "X" means not applicable, and "NA" means not available.

**Rounding of estimates.** Individual figures are rounded to the nearest thousand without being adjusted to group totals which are independently rounded. With few exceptions, percentages are based on the rounded absolute numbers.

## Appendix B. Source and Accuracy of the Estimates

### SOURCE OF DATA

Most estimates in this report come from data obtained in March 1988 and 1989 from the Current Population Survey (CPS). Some estimates are based on data obtained from the CPS in earlier years and from decennial censuses. The Bureau of the Census conducts the survey every month, although this report uses only March data for its estimates. The March survey uses two sets of questions, the basic CPS and the supplement.

**Basic CPS.** The basic CPS collects primarily labor force data about the civilian noninstitutional population. Interviewers ask questions concerning labor force participation about each member 15 years old and over in every sample household.

The March 1989 CPS sample was selected from the 1980 Decennial Census files with coverage in all 50 states and the District of Columbia. The sample is continually updated to account for new residential construction. It is located in 729 areas comprising 1,973 counties, independent cities, and minor civil divisions. About 56,100 occupied households are eligible for interview every month. Interviewers are unable to obtain interviews at about 2,500 of these units because the occupants are not home after repeated calls or are unavailable for some other reason.

Since the introduction of the CPS, the Bureau of the Census has redesigned the CPS sample several times to improve the quality and reliability of the data and to satisfy changing data needs. The most recent changes were completely implemented in July 1985.

The following table summarizes changes in the CPS designs for the years for which data appear in this report.

**March Supplement.** In addition to the basic CPS questions, interviewers asked supplementary questions in March about educational attainment.

To obtain more reliable data for the Hispanic origin population, the March CPS sample was increased by about 2,500 eligible housing units, interviewed the previous November, that contained at least one sample person of Hispanic origin. In addition, the sample included persons in the Armed Forces living off post or with their families on post.

### Description of the March Current Population Survey

Time Period	Number of Sample Areas	Housing Units Eligible <sup>1</sup>	
		Interviewed	Not Interviewed
1989.....	729	53,600	2,500
1986 to 1988 .....	729	57,000	2,500
1985.....	<sup>2</sup> 629/729	57,000	2,500
1982 to 1984 .....	629	59,000	2,500
1980 to 1981 .....	629	65,500	3,000
1977 to 1979 .....	614	55,000	3,000
1973 to 1976 .....	461	46,500	2,500
1972.....	449	45,000	2,000
1967 to 1971 .....	449	48,000	2,000
1963 to 1966 .....	357	33,500	1,500
1960 to 1962 .....	333	33,500	1,500
1957 to 1959 .....	330	33,500	1,500
1954 to 1956 .....	230	21,000	500-1,000
1947 to 1953 .....	68	21,000	500-1,000

<sup>1</sup>Excludes about 2,500 Hispanic households added from the previous November sample. (See "March Supplement.")

<sup>2</sup>The CPS was redesigned following the 1980 Decennial Census of Population and Housing. During phase-in of the new design, housing units from the new and old designs were in the sample.

**Estimation Procedure.** This survey's estimation procedure inflates weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, sex, race and Hispanic/non-Hispanic categories. The independent estimates were based on statistics from decennial censuses of population; statistics on births, deaths, immigration and emigration; and statistics on the size of the Armed Forces. The independent population estimates used for 1981 (1980 for income estimates) to present were based on updates to controls established by the 1980 Decennial Census. Data previous to 1981 were based on independent population estimates from the most recent decennial census. For more details on the change in independent estimates, see the section entitled "Introduction of 1980 Census Population Controls" in an earlier report (Series P60, No. 133). The estimation procedure for the March supplement included a further adjustment so husband and wife of a household received the same weight.

The estimates in this report for 1985 and later also employ a revised survey weighting procedure for persons of Hispanic origin. In previous years, weighted sample results were inflated to independent estimates of the noninstitutional population by age, sex, and race.

There was no specific control of the survey estimates for the Hispanic population. Since then, the Bureau of the Census developed independent population controls for the Hispanic population by sex and detailed age groups. Revised weighting procedures incorporate these new controls. The independent population estimates include some, but not all, undocumented immigrants.

## ACCURACY OF THE ESTIMATES

Since the CPS estimates come from a sample, they may differ from figures from a complete census using the same questionnaires, instructions, and enumerators. A sample survey estimate has two possible types of errors: nonsampling and sampling. The accuracy of an estimate depends on both types of errors, but the full extent of the nonsampling error is unknown. Consequently, one should be particularly careful when interpreting results based on a relatively small number of cases or on small differences between estimates. The standard errors for CPS estimates primarily indicate the magnitude of sampling error. They also partially measure the effect of some nonsampling errors in responses and enumeration, but do not measure systematic biases in the data. (Bias is the average over all possible samples of the differences between the sample estimates and the desired value.)

**Nonsampling Variability.** Nonsampling errors can be attributed to many sources. These sources include the inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, respondents' inability or unwillingness to provide correct information or to recall information, errors made in data collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

CPS undercoverage results from missed housing units and missed persons within sample households. Compared to the level of the 1980 Decennial Census, overall CPS undercoverage is about 7 percent. CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Blacks and other races combined than for Whites. As described previously, ratio estimation to independent age-sex-race-Hispanic population controls partially corrects for the bias due to undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics from those of interviewed persons in the same age-sex-race-Hispanic group. Furthermore, the independent population controls have not been adjusted for undercoverage in the 1980 census.

For additional information on nonsampling error including the possible impact on CPS data when known, refer to Statistical Policy Working Paper 3, An Error Profile: Employment as Measured by the Current Population Survey, Office of Federal Statistical Policy and Standards, U.S. Department of Commerce, 1978 and Technical Paper 40, The Current Population Survey: Design and Methodology, Bureau of the Census, U.S. Department of Commerce.

**Sampling Variability.** Sampling variability is variation that occurred by chance because a sample was surveyed rather than the entire population. Standard errors, as calculated by methods described later in "Standard Errors and Their Use," are primarily measures of sampling variability, although they may include some nonsampling error.

**Comparability of Data.** Data obtained from the CPS and other sources are not entirely comparable. This results from differences in interviewer training and experience and in differing survey processes. This is an example of nonsampling variability not reflected in the standard errors. Use caution when comparing results from different sources.

Caution should also be used when comparing estimates in this report, which reflect 1980 census-based population controls, with estimates for 1979 (from March 1980 CPS) and earlier years, which reflect 1970 census-based population controls. This change in population controls had relatively little impact on summary measures such as means, medians, and percentage distributions, but did have a significant impact on levels. For example, use of 1980 based population controls results in about a 2-percent increase in the civilian noninstitutional population and in the number of families and households. Thus, estimates of levels for data collected in 1981 and later years will differ from those for earlier years by more than what could be attributed to actual changes in the population. These differences could be disproportionately greater for certain subpopulation groups than for the total population.

Since no independent population control totals for persons of Hispanic origin were used before 1985, compare Hispanic estimates over time cautiously.

A number of changes were made in data collection and estimation procedures beginning with the March 1980 CPS. The major changes were the use of a more detailed income questionnaire, the use of the "householder" concept, the introduction of the new farm definition, and use of more detailed income intervals in the upper range of the income distribution. Due to these and other changes, one should use caution when comparing estimates for 1979 through 1989 with estimates for earlier years. A description of these changes and the effect they had on the data is given in the section "Modifications to the March 1980 CPS" of an earlier report (Series P-60, No. 130).

**Note When Using Small Estimates.** Summary measures (such as medians and percentage distributions) are shown only when the base is 75,000 or greater. Because of the large standard errors involved, summary measures would probably not reveal useful information when computed on a smaller base. However, estimated numbers are shown even though the relative standard errors of these numbers are larger than those for corresponding percentages. These smaller estimates permit combinations of the categories to suit data users' needs. Take care in the interpretation of small differences. For instance, even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

**Standard Errors and Their Use.** A number of approximations are required to derive, at a moderate cost, standard errors applicable to all the estimates in this report. Instead of providing an individual standard error for each estimate, generalized sets of standard errors are provided for various types of characteristics. Thus, the tables show levels of magnitude of standard errors rather than the precise standard errors.

The sample estimate and its standard error enable one to construct a confidence interval, a range that would include the average result of all possible samples with a known probability. For example, if all possible samples were surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

A particular confidence interval may or may not contain the average estimate derived from all possible samples. However, one can say with specified confidence that the interval includes the average estimate calculated from all possible samples.

Some statements in the report may contain estimates followed by a number in parentheses. This number can be added to and subtracted from the estimate to calculate upper and lower bounds of the 90-percent confidence interval. For example, if a statement contains the phrase "grew by 1.7 percent (1.0)," the 90 percent confidence interval for the estimate, 1.7 percent, is 0.7 percent to 2.7 percent.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common type of hypothesis appearing in this report is that the population parameters are different. An example of this would be comparing the educational attainment of Black persons to the educational attainment of White persons.

Tests may be performed at various levels of significance, where a significance level is the probability of concluding that the characteristics are different when, in fact, they are the same. All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better. This means that the absolute value of the estimated difference between characteristics is greater than or equal to 1.6 times the standard error of the difference.

**Standard Errors of Estimated Numbers.** There are two ways to compute the approximate standard error,  $s_x$ , of an estimated number shown in this report. The first uses the formula

$$s_x = f_1 f_2 s$$

where  $f_1$  is a factor from table B-4,  $f_2$  is the appropriate factor from table B-6 or B-7 and  $s$  is the standard error of the estimate obtained by interpolation from table B-1 or B-2. The second method uses formula (2), from which the standard errors in tables B-1 and B-2 were calculated. This formula will provide more accurate results than formula (1).

$$s_x = f_2 \sqrt{-(b/T)x^2 + bx}$$

Here  $x$  is the size of the estimate,  $T$  is the total number of persons in a specific age group,  $b$  is the parameter in table B-4 associated with the particular type of characteristic, and  $f_2$  is the appropriate factor from table B-6 or table B-7. If  $T$  is not known, for Total or White use 100,000,000; for Blacks and Hispanic use 10,000,000. When calculating standard errors for numbers from cross-tabulations involving different characteristics, use the factor or set of parameters for the characteristic which will give the largest standard error.

#### *Illustration*

Table 1 shows there were 5,021,000 young adults (ages 25 to 29 years) who completed four or more years of college and 21,478,000 total persons in that age group in 1989. Using formula (1) with  $f_1 = 1.0$  from table B-4,  $f_2 = 1.0$  from table B-6, and  $s = 100,000$  from table B-1, the approximate standard error on 5,021,000 is

$$s_x = (1.0) (1.0) (100,000) = 100,000$$

The value of  $s$  was obtained by linear interpolation in two directions. The first interpolation was between 10,000,000 and 25,000,000 total persons for both 5,000,000 and 7,500,000 estimated number of persons. The value for 5,000,000 estimated persons was 99.6 and for 7,500,000 estimated persons was 108.7. The second interpolation was between these two values to get the value corresponding to 5,021,000 persons.

**Table B-1. 1989 Standard Errors of Estimated Numbers: Total or White**

(Numbers in Thousands)

Size of Estimate	Total persons in age group									
	100	250	500	1,000	2,500	5,000	10,000	25,000	50,000	100,000
10	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
20	6.6	7.1	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4
30	7.6	8.5	8.8	8.9	9.0	9.0	9.1	9.1	9.1	9.1
40	8.1	9.6	10.0	10.3	10.4	10.4	10.5	10.5	10.5	10.5
50	8.3	10.5	11.1	11.4	11.6	11.7	11.7	11.7	11.7	11.7
75	7.2	12.0	13.2	13.8	14.1	14.2	14.3	14.3	14.3	14.3
100	(X)	12.8	14.8	15.7	16.2	16.4	16.5	16.5	16.5	16.6
200	(X)	10.5	18.1	20.9	22.5	22.9	23.2	23.3	23.4	23.4
300	(X)	(X)	18.1	24.0	26.9	27.8	28.3	28.5	28.6	28.6
400	(X)	(X)	14.8	25.7	30.4	31.8	32.5	32.9	33.0	33.1
500	(X)	(X)	(X)	28.2	33.1	35.1	36.1	36.7	36.8	36.9
750	(X)	(X)	(X)	22.7	37.9	41.8	43.6	44.7	45.0	45.2
1,000	(X)	(X)	(X)	(X)	40.6	46.8	49.7	51.3	51.8	52.1
2,000	(X)	(X)	(X)	(X)	33.1	57.4	66.2	71.0	72.6	73.3
3,000	(X)	(X)	(X)	(X)	(X)	57.4	75.9	85.1	88.0	89.3
4,000	(X)	(X)	(X)	(X)	(X)	46.8	81.1	96.0	100.5	102.6
5,000	(X)	(X)	(X)	(X)	(X)	(X)	82.8	104.7	111.1	114.1
7,500	(X)	(X)	(X)	(X)	(X)	(X)	71.7	120.0	132.2	137.9
10,000	(X)	(X)	(X)	(X)	(X)	(X)	(X)	128.3	148.1	157.1
20,000	(X)	(X)	(X)	(X)	(X)	(X)	(X)	104.7	181.4	209.5
30,000	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	181.4	240.0
40,000	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	148.1	256.6
50,000	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	261.9
75,000	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	226.8

(X) Not applicable.

NOTES: For a particular characteristic, see table B-4 for the appropriate factor to apply to the above standard errors. To estimate standard errors prior to 1989, multiply the above standard errors by the appropriate factor in table B-5.

**Table B-2. 1989 Standard Errors of Estimated Numbers: Black or Other Races and Hispanic**

(Numbers in Thousands)

Size Estimate	Total persons in age group						
	100	250	500	1,000	2,500	5,000	10,000
<b>Black or Other Races</b>							
10	5.8	6.0	6.0	6.1	6.1	6.1	6.1
20	7.7	8.3	8.4	8.5	8.6	8.6	8.6
30	8.8	9.9	10.2	10.4	10.5	10.5	10.5
40	9.4	11.2	11.7	11.9	12.1	12.1	12.2
50	9.6	12.2	12.9	13.3	13.5	13.6	13.6
75	8.3	14.0	15.4	16.0	16.4	16.6	16.6
100	(X)	14.9	17.2	18.3	18.9	19.1	19.2
200	(X)	12.2	21.1	24.4	26.1	26.7	27.0
300	(X)	(X)	21.1	27.9	31.3	32.3	32.9
400	(X)	(X)	17.2	29.8	35.3	37.0	37.7
500	(X)	(X)	(X)	30.5	38.5	40.9	42.0
750	(X)	(X)	(X)	26.4	44.1	48.6	50.7
1,000	(X)	(X)	(X)	(X)	47.2	54.5	57.8
2,000	(X)	(X)	(X)	(X)	38.5	66.7	77.1
3,000	(X)	(X)	(X)	(X)	(X)	66.7	88.3
4,000	(X)	(X)	(X)	(X)	(X)	54.5	94.4
5,000	(X)	(X)	(X)	(X)	(X)	(X)	96.3
7,500	(X)	(X)	(X)	(X)	(X)	(X)	83.4
<b>Hispanic</b>							
10	6.4	6.6	6.6	6.7	6.7	6.7	6.7
20	8.5	9.1	9.3	9.4	9.4	9.5	9.5
30	9.7	10.9	11.3	11.4	11.5	11.6	11.6
40	10.4	12.3	12.9	13.1	13.3	13.4	13.4
50	10.6	13.4	14.2	14.6	14.8	14.9	15.0
75	9.2	15.4	16.9	17.7	18.1	18.2	18.3
100	(X)	16.4	19.0	20.1	20.8	21.0	21.1
200	(X)	13.4	23.2	26.8	28.8	29.4	29.7
300	(X)	(X)	23.2	30.7	34.5	35.6	36.2
400	(X)	(X)	19.0	32.9	38.9	40.7	41.6
500	(X)	(X)	(X)	33.5	42.4	45.0	46.2
750	(X)	(X)	(X)	29.0	48.8	53.6	55.9
1,000	(X)	(X)	(X)	(X)	52.0	60.0	63.6
2,000	(X)	(X)	(X)	(X)	42.4	73.5	84.9
3,000	(X)	(X)	(X)	(X)	(X)	73.5	97.2
4,000	(X)	(X)	(X)	(X)	(X)	60.0	103.9
5,000	(X)	(X)	(X)	(X)	(X)	(X)	106.1
7,500	(X)	(X)	(X)	(X)	(X)	(X)	91.9

(X) Not applicable

NOTES: For a particular characteristic, see table B-4 for the appropriate factor to apply to the above standard errors. To estimate standard errors prior to 1989, multiply the above standard errors by the appropriate factor in table B-5.

Using the second method with  $b = 2,743$  from table B-4, and  $f_2 = 1.0$  from Table B-6, the approximate standard error is

$$s_x = (1.0) \sqrt{\frac{2,743}{21,478,000} (5,021,000)^2 + (2,743) (5,021,000)} = 103,000$$

This means that a 90-percent confidence interval for this estimate is from 4,856,000 to 5,186,000, i.e.,  $5,021,000 \pm 1.6 (103,000)$ . Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

**Standard Errors of Estimated Percentages.** The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on the size of the percentage and its base. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the factor or parameter from table B-4 indicated by the numerator.

The approximate standard error,  $s_{x,p}$ , of an estimated percentage can be obtained by use of the formula

$$s_{x,p} = f_1 f_2 s$$

In this formula,  $f_1$  is the appropriate factor from table B-4,  $f_2$  is the appropriate factor from table B-6 or B-7 and  $s$  is the standard error of the estimate obtained by interpolation from table B-3.

Alternatively, formula (4) will provide more accurate results. The standard errors in table B-3 were calculated with this formula.

$$s_{x,p} = f_2 \sqrt{\frac{b}{x} p (100-p)}$$

Here  $x$  is the total number of persons, families, households, or unrelated individuals in the base of the percentage,  $p$  is the percentage ( $0 \leq p \leq 100$ ), and  $b$  is the parameter in table B-4 associated with the characteristic in the numerator of the percentage.

#### Illustration

As shown in table 2, of the 2,726,000 Black persons aged 25 to 29, 2,241,000 or 82.2 percent were high school graduates in 1989. Using formula (3) with  $f_1 = 1.0$ , and  $f_2 = 1.0$  from Tables B-4 and B-6, respectively and  $s = 1.4$  from Table B-3, the approximate standard error is

$$s_{x,p} = (1.0) (1.0) (1.4) = 1.4$$

Using the alternate method with  $b = 3,711$  from table B-4, the approximate standard error on an estimate of 82.2 percent is

$$s_{x,p} = (1.0) \sqrt{\frac{3,711}{2,726,000} (82.2) (100.0 - 82.2)} = 1.4$$

This means that a 90-percent confidence interval for the estimated percentage of Black persons in 1989 who graduated from high school is from 80.0 to 84.4 percent, i.e.,  $82.2 \pm 1.6(1.4)$ .

**Standard Error of a Difference.** The standard error of the difference between two sample estimates is approximately equal to

$$s_{x-y} = \sqrt{s_x^2 + s_y^2}$$

where  $s_x$  and  $s_y$  are the standard errors of the estimates,  $x$  and  $y$ . The estimates can be numbers, percentages, ratios, etc. This will result in accurate estimates of the standard error of the same characteristic in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. However, if there is a high positive (negative) correlation between the two characteristics, the formula will overestimate (underestimate) the true standard error.

#### Illustration

Table 2 shows that in 1989 an estimated 87.1 percent of the 8,947,000 White women 25 to 29 years old graduated from high school as compared to 83.6 percent of the 1,468,000 Black women 25 to 29 years old. The apparent difference is 3.5 percent. Using formula (4) and  $b = 2,743$  from table B-4, the standard error on 87.1 percent is 0.6. Using formula (4) and  $b = 3,711$  from table B-4, the standard error on 83.6 percent is 1.9.

Therefore using formula (5) the standard error of the estimated difference of 3.5 percent is about

$$s_{x-y} = \sqrt{(0.6)^2 + (1.9)^2} = 2.0$$

This means that the 90-percent confidence interval around the difference is from 0.3 to 6.7 percent, i.e.,  $3.5 \pm 1.6(2.0)$ . Therefore a conclusion that the average estimate of the difference derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples. Since the interval does not contain zero, we can conclude with 90-percent confidence that White females ages 25 to 29 have a greater percentage of high school graduates than Black females of the same age group.

**Standard Error of a Median.** The sampling variability of an estimated median depends on the form of the distribution and the size of the base. One can approximate the reliability of an estimated median by determining a confidence interval about it. (See the section "Standard Errors and Their Use" for a general discussion of confidence intervals.)

Estimate the 68-percent confidence limits of a median based on sample data using the following procedure.

Table B-3. 1989 Standard Errors of Estimated Percentages

Base of percentage (thousands)	Estimated percentage				
	2 or 98	5 or 95	10 or 90	25 or 75	50
<b>Total or White</b>					
75 .....	2.7	4.2	5.7	8.3	9.6
100 .....	2.3	3.6	5.0	7.2	8.3
250 .....	1.5	2.3	3.1	4.5	5.2
500 .....	1.0	1.6	2.2	3.2	3.7
1,000 .....	0.7	1.1	1.6	2.3	2.6
2,500 .....	0.5	0.7	1.0	1.4	1.7
5,000 .....	0.3	0.5	0.7	1.0	1.2
10,000 .....	0.2	0.4	0.5	0.7	0.8
25,000 .....	0.15	0.2	0.3	0.5	0.5
50,000 .....	0.10	0.16	0.2	0.3	0.4
100,000 .....	0.07	0.11	0.2	0.2	0.3
<b>Black or Other Races</b>					
25 .....	5.4	8.4	11.6	16.7	19.3
50 .....	3.8	5.9	8.2	11.8	13.6
75 .....	3.1	4.9	6.7	9.6	11.2
100 .....	2.7	4.2	5.8	8.3	9.6
250 .....	1.7	2.7	3.7	5.3	6.1
500 .....	1.2	1.9	2.6	3.7	4.3
1,000 .....	0.9	1.3	1.8	2.6	3.1
2,500 .....	0.5	0.8	1.2	1.7	1.9
5,000 .....	0.4	0.6	0.8	1.2	1.4
10,000 .....	0.3	0.4	0.6	0.8	1.0
20,000 .....	0.2	0.3	0.4	0.6	0.7
<b>Hispanic</b>					
25 .....	5.9	9.3	12.7	18.4	21.2
50 .....	4.2	6.5	9.0	13.0	15.0
75 .....	3.4	5.3	7.4	10.6	12.3
100 .....	3.0	4.6	6.4	9.2	10.6
250 .....	1.9	2.9	4.0	5.8	6.7
500 .....	1.3	2.1	2.9	4.1	4.7
1,000 .....	0.9	1.5	2.0	2.9	3.4
2,500 .....	0.6	0.9	1.3	1.8	2.1
5,000 .....	0.4	0.7	0.9	1.3	1.5
10,000 .....	0.3	0.5	0.6	0.9	1.2
20,000 .....	0.2	0.3	0.5	0.7	0.8

NOTES: For a particular characteristic, see table B-4 for the appropriate factor to apply to the above standard errors. To estimate standard errors prior to 1989, multiply the above standard errors by the appropriate factor in table B-5.

1. Determine, using formula (4), the standard error of the estimate of 50 percent from the distribution.
2. Add to and subtract from 50 percent the standard error determined in step 1.
3. Using the distribution of the characteristic, determine upper and lower limits of the 68-percent confidence interval by calculating values corresponding to the two points established in step 2.

$$X_{pN} = \frac{pN - N_1}{N_2 - N_1} (A_2 - A_1) + A_1$$

where

$X_{pN}$  = estimated upper and lower bounds for the confidence interval ( $0 \leq p \leq 1$ ). For purposes of calculating the confidence interval,  $p$  takes on the values determined in step 2. Note that  $X_{pN}$  estimates the median when  $p = 0.50$ .

$N$  = for distribution of numbers: the total number of units (persons, households, etc.) for the characteristic in the distribution.

$N$  = for distribution of percentages: the value 1.0.

$p$  = the values obtained in step 2.

$A_1, A_2$  = the lower and upper bounds, respectively, of the interval containing  $X_{pN}$ .

$N_1, N_2$  = for distribution of numbers: the estimated number of units (persons, households, etc.) with values of the characteristic greater than or equal to  $A_1$  and  $A_2$ , respectively.

$N_1, N_2$  = for distribution of percentages: the estimated percentage of units (persons, households, etc.) having values of the characteristic greater than or equal to  $A_1$  and  $A_2$ , respectively.

4. Divide the difference between the two points determined in step 3 by two to obtain the standard error of the median.

Use of the above procedure could result in standard errors which differ from those given in the detailed tables. The reasons for this discrepancy are the use of a more detailed distribution than that given in the tables in determining the published standard errors, and the rounding of the numbers to thousands in the published tables. Linear interpolation was almost always used to compute the published medians and standard errors. Occasionally, a median may lie in an open-ended interval. To calculate its standard error the user must call Population Division of the Census Bureau to obtain the methodology.

**Illustration**

Table 1 shows that in 1989 the median years of school completed by Black persons 25 years old and over was 12.4. Table 1 also shows that the base of the distribution from which this median was determined was 16,395,000 persons.

1. Using formula (4) and  $b = 3,711$  from table B-4, the standard error of 50 percent on a base of 16,395,000 is about 0.8 percentage points.

2. Adding to and subtracting from 50 percent the standard error found in step 1 to obtain a 68-percent confidence interval on the estimated median yields limits of 49.2 percent and 50.8 percent.

3. From table 1, in 1989 35.4 percent of Black persons aged 25 years old and over completed less than 12 years of school and 71.8 had completed less than 13 years of school. Using formula (6), the lower limit for the confidence interval of the median is found to be about

$$\frac{(0.492)(1.0) - 0.354}{0.718 - 0.354} (13.0 - 12.0) + 12.0 = 12.38$$

Similarly, the upper limit is approximately

$$\frac{(0.508)(1.0) - 0.354}{0.718 - 0.354} (13.0 - 12.0) + 12.0 = 12.42$$

Thus, a 68-percent confidence interval for the median school years completed by Black persons 25 years old and over is from 12.38 to 12.42.

4. Finally, the standard error of the median is

$$(12.42 - 12.38) / 2 = 0.02$$

**Table B-4. 1989 Standard Error Parameters and Factors for Educational Attainment**

Characteristics	Total or White		Black		Hispanic	
	b	f <sub>1</sub>	b	f <sub>1</sub>	b	f <sub>1</sub>
Educational Attainment .....	2,743	1.0	3,711	1.0	4,500	1.0
Marital Status .....	4,651	1.3	6,672	1.3	8,093	1.3
Household Characteristics:						
Head, Wife, or Primary Individual .....	1,846	0.8	1,668	0.7	2,023	0.7
Child or Other Relative in Primary Family, Secondary Family Member .....	4,651	1.3	6,672	1.3	8,093	1.3
Income, Earnings .....	2,505	1.0	2,864	0.9	3,473	0.9
Employment Status, Occupation:						
Both Sexes .....	2,762	1.0	2,762	0.9	3,349	0.9
Male .....	2,390	0.9	2,390	0.8	2,899	0.8
Female .....	2,048	0.9	2,048	0.7	2,484	0.7

NOTES: To estimate standard errors for educational attainment prior to 1989, multiply the standard error for 1989 by the appropriate factor in table B-5. The b parameters should be multiplied by 1.5 for nonmetropolitan residence categories. The b parameters should be multiplied by 1.91 for farm parameters.

**Table B-5. Factors to Calculate Educational Attainment Standard Errors Prior to 1989**

Year	Total or White	Black	Hispanic
1985-1988 .....	0.92	0.92	0.83
1982-1984 .....	0.92	0.92	0.75
1977-1981 .....	0.87	0.87	0.71
1967-1976 .....	0.86	0.86	0.70
1957-1966 .....	1.06	1.06	(X)
before 1956 .....	1.30	1.30	(X)

(X) Not applicable.

NOTES: Apply the appropriate factor to the standard error calculated for 1989.



Table B-6. Regional Factors to Apply to 1989 Standard Errors

Type of Characteristic	$f_2$ factor
U.S. Totals:	1.00
Census Divisions:	
New England .....	0.75
East North Central .....	0.94
West North Central .....	0.96
South Atlantic .....	0.95
East South Central .....	1.00
West South Central .....	1.03
Mountain .....	0.81
Pacific .....	1.27
Regions:	
Northeast .....	0.90
Midwest .....	0.94
South .....	0.95
West .....	1.16

NOTES: Multiply standard errors obtained using tables B-1 through B-4 by these factors.

Table B-7. State Factors to Apply to 1989 Standard Errors

Type of Characteristic	$f_2$ factor	Type of Characteristic	$f_2$ factor
States:		States:	
Alabama .....	1.02	Montana .....	0.45
Alaska .....	0.35	Nebraska .....	0.61
Arizona .....	0.98	Nevada .....	0.57
Arkansas .....	0.78	New Hampshire .....	0.58
California .....	1.35	New Jersey .....	0.74
Colorado .....	0.98	New Mexico .....	0.59
Connecticut .....	1.04	New York .....	1.06
Delaware .....	0.43	North Carolina .....	0.66
District of Columbia .....	0.43	North Dakota .....	0.39
Florida .....	0.86	Ohio .....	0.86
Georgia .....	1.21	Oklahoma .....	0.90
Hawaii .....	0.54	Oregon .....	0.92
Idaho .....	0.54	Pennsylvania .....	0.90
Illinois .....	0.49	Rhode Island .....	0.56
Indiana .....	0.92	South Carolina .....	0.85
Iowa .....	1.23	South Dakota .....	0.38
Kansas .....	0.78	Tennessee .....	1.08
Kentucky .....	0.99	Texas .....	1.07
Louisiana .....	1.10	Utah .....	0.64
Maine .....	0.56	Vermont .....	0.41
Maryland .....	1.16	Virginia .....	1.11
Massachusetts .....	0.66	Washington .....	1.11
Michigan .....	0.81	West Virginia .....	0.69
Minnesota .....	1.07	Wisconsin .....	1.05
Mississippi .....	0.78	Wyoming .....	0.40
Missouri .....	1.19		

Notes: Multiply standard errors obtained using tables B-1 through B-4 by these factors.

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# Current Population Reports—Educational Attainment

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Series	Title
<b>Series P-10</b>	
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<b>Series P-19</b>	
No. 4	Educational Characteristics of the Population of the United States by Age: 1940
<b>Series P-46</b>	
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No. 182	Educational Attainment: March 1968
No. 194	Educational Attainment: March 1969
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No. 390	Educational Attainment in the United States: March 1981 and 1980
No. 415	Educational Attainment in the United States: March 1982 and 1985
No. 428	Educational Attainment in the United States: March 1987 and 1986
<b>Series P-23</b>	
No. 6	Estimates of Illiteracy by States: 1950
No. 8	Estimates of Illiteracy by States: 1960
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