

Americans Assess Their Health: United States, 1978

Statistics are presented on the proportions of persons assessed as being in fair or poor health by respondents in household interviews conducted by the U.S. Bureau of the Census during 1978 on a sample of the civilian noninstitutionalized population. Statistics on assessed health status are shown by age, sex, race, family income, years of completed education, marital status, usual activity, labor force and employment-related characteristics, geographic region, and place of residence.

Data from the National Health Survey Series 10, Number 142

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Cooperation of the U.S. Bureau of the Census

Under the legislation establishing the National Health Interview Survey, the Public Health Service is authorized to use, insofar as possible, the services or facilities of other Federal, State, or private agencies.

In accordance with specifications established by the Division of Health Interview Statistics, the U.S. Bureau of the Census, under a contractual arrangement, participated in planning the survey and collecting the data.

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Symbols

- --- Data not available
- ... Category not applicable
- Quantity zero
- 0.0 Quantity more than zero but less than 0.05
- Z Quantity more than zero but less than 500 where numbers are rounded to thousands
- Figure does not meet standards of reliability or precision (more than 30-percent relative standard error)
- # Figure suppressed to comply with confidentiality requirements

Americans Assess Their Health

by Peter W. Ries, Division of Health Interview Statistics

Introduction

The National Health Interview Survey has been a major source of national estimates of the health status of the civilian noninstitutionalized population of the United States for about 25 years. The variables most frequently used to measure health status have been disability days and limitation of activity due to chronic conditions. In 1972 an item was added to the survey questionnaire that simply asked the respondent to assess his or her health (or that of family members) in comparison with others of his or her age as excellent, good, fair, or poor.

Although this item has remained on the questionnaire since 1972, only one Series 10 report has either included this variable in any detailed tables or in the discussion of the results in the text. (A forthcoming report on hearing levels includes some data on respondentassessed health status.) Limited use has been made of the concept because respondent-assessed health status is a more subjective variable than more behaviorally observable variables, such as disability days and limitation of activity.³

Over the years, however, there has been a growing use of data on peoples' assessment of their own or family members' health status. Since its inception in 1975, each year's edition of *Health*, *United States* has included data on respondent-assessed health status.⁴ For two recent studies of self-assessed health status (which include discussions of the use of this concept) see references 5 and 6.^a Self-assessed health status has been found to be highly associated with an individual's actual health status and with his or her utilization of health-care services. For instance, the results of the 1978 National Health Interview Survey indicated that

persons assessed to be in excellent health spent 3.3 days in bed per person per year due to illness or injury and made 2.5 doctor visits per person per year, while the corresponding estimates for persons assessed to be in poor health were 64.2 bed days and 15.3 doctor visits per person per year.

Because assessed health status is highly associated with other more behaviorally oriented measures of health and the utilization of health services, it may be used as a type of summary statistic. In this context, it can serve at least three useful purposes: (1) to indicate the health status and utilization patterns for health services for various subgroups in the general population; (2) to show how various sociodemographic and other characteristics are associated with health-related characteristics; and (3) to serve as a control variable to make more meaningful comparisons between various subgroups in the population who differ in their overall health status.

To show as much detail as possible in this first Series 10 publication on respondent-assessed health status, the results are extensively cross-classified. Because of the vast number of estimates produced, the text highlighting these results can, at best, discuss only very limited aspects of the data. As such, the text is limited primarily to defining concepts where the meaning is not obvious, indicating limitations associated with specific concepts, and indicating associations between the percent of persons assessed in fair and poor health and the characteristics associated with each sociodemographic variable. These associations are highlighted mainly in relation to age, the reader being invited to consult the detailed tables to further interpret the data in terms of other control variables or for locating estimates for specific subgroups in the civilian noninstitutionalized population.

1

^aThe National Center for Health Statistics maintains a "Health Status Index Clearinghouse." For bibliographies or further information on this topic, contact Pennifer Erickson at the address shown on the back of this publication.

Summary

The following statements summarize the relationships between respondent-assessed health status and the selected sociodemographic characteristics included in this report:

- 1. In general, as age increases, the proportion of persons assessed as being in fair or poor health is higher. However, for persons with low family incomes and little education, the proportion of persons assessed in fair or poor health declines after the age of about 80 years.
- 2. A higher proportion of females than of males are assessed as being in fair or poor health.
- 3. Proportionately more black persons are assessed in fair or poor health than are persons of other races.
- 4. In general, the lower the family income, the higher the proportion of persons assessed in fair or poor health. However, for many groups at the lowest

- family income levels, the proportion is as high for persons in families earning \$3,000-\$4,999 as for persons with less than \$3,000 annual family income.
- 5. The greater the number of years of completed education, the lower the proportion of persons assessed in fair or poor health.
- 6. Widowed, divorced, and separated persons report a higher proportion of persons in fair or poor health than do persons in other marital status groups.
- 7. Higher proportions of persons assessed in fair or poor health are found among persons—
 - Not in the labor force.
 - Living in the South.
 - Living in the central cities of SMSA's or outside SMSA's.

Source and limitations of the data

The information from the National Health Interview Survey (NHIS) presented in this report is based on data collected in a continuing nationwide survey by household interview. Each week a probability sample of households was interviewed by the U.S. Bureau of the Census to obtain information about the health and other characteristics of each member of the household in the civilian noninstitutionalized population of the United States.

During the 52 weeks in 1978, the sample was composed of approximately 41,000 households containing about 110,000 persons living at the time of the interview. The total noninterview rate was about 3.8 percent—of which 2.1 percent was the result of respondent refusal, and the remainder was primarily the result of failure to locate an eligible respondent at home despite repeated calls.

A description of the design of the survey, the methods used in estimation, and general qualifications of the data obtained from this survey are presented in appendix I. Because the estimates shown in this report are based on a sample of the population, they are subject to sampling error. Therefore, particular attention should be paid to the section entitled "Reliability of Estimates." Charts of relative sampling errors and instructions for their use are shown in appendix I.

Key terms used in the survey are defined in appendix II. Appendix III contains the parts of the questionnaire used in the interview that are relevant to this report. Also shown are the cards used by the interviewer for asking certain questions.

The estimates shown in this report on respondent-assessed health status are derived from responses to the following question: "Compared to other persons——'s age, would you say his health is excellent, good, fair, or poor?" At least three things should be noted about these results. First, proxy responses are accepted from a family member meeting the NHIS eligible respondent rules for adult family members not at home at the time of interview, or for family members who are present but do not meet the eligibility requirements (such as a mentally

retarded family member). Responses for children and youths under 17 years of age are always sought from eligible adult family members (unless they are married or are not living with other family members). During 1978, proxy responses were accepted from about 36 percent of all persons in the sample 17 years of age and over.

Research related to self- and proxy responses for adults in the general population has shown that whereas there may be some significant difference between health status judgments of excellent and good, and between fair and poor, there are seldom significant differences in the distributions between self- and proxy responses when the categories excellent and good are combined and compared with the combined categories fair and poor. For this reason, although some data are shown in the detailed tables for each of the four categories, the discussion related to differences in assessed health status in the text is limited to comparisons for the combined category fair or poor.

Second, the question asks about a person's health and not about the possible effects of any impairments. Thus, it is entirely reasonable for a severely impaired person to state that his health is "excellent," while a person with no impairment may classify himself in "poor" health.

Third, as already noted, estimates based on respondent-assessed health status correlate very highly with other measures of health status and with measures of health services utilization. The results for some of these measures by respondent-assessed health status are shown in table A. Each of the measures in table A indicates a high association between respondent-assessed health status and other measures of health status and utilization of health services. These associations do not, of course, remove the limitations ordinarily related to nonclinical health status measures in relation to problems of lay evaluations of health and to the interpretation of the resulting data.

Finally, it should be noted that morbidity is only one measure of the somewhat ambiguous term "health."

	Northand		ted in activity nic condition	Short-stay hospital days per 10 persons per year	
Assessed health status	Number of bed days per person per year	Unable to carry out major activity	Limited in ability to carry out major activity		Doctor visits per person per year
	-	Per	cent	Num	ber
excellent	3.3	0.5	1.8	3.8	2.5
Good	5.7	2.0	7.1	9.1	3.9
air	14.9	12.3	25.4	26.0	7.5
Poor	64.2	46.1	35.5	76.2	15.3

Because mortality patterns for the many subgroups in this report are not considered together with assessed health status, at best only a partial picture of the sociodemographic characteristics associated with the health

of the civilian noninstitutionalized population of the United States can be derived from the data shown or discussed in this report.

Results

The results discussed in the report are presented in detail in tables 1-13. In the first five of these tables (age. sex, race, family income, and education) the estimates for each of the four health status categories, as well as for persons assessed in excellent and good health combined and fair and poor health combined, are presented. These basic sociodemographic variables serve as control variables for the rest of the characteristics shown in tables 6-13. Every variable in these tables is shown by age and education of the individuals for persons 17 years of age and over. For persons 17-64 years of age three educational groupings are used (under 12 years, 12 years, and more than 12 years of completed education). This classification of years of completed education did not produce a sufficient proportion of reliable results for persons 65 years of age and over (because of the size of this population and because they tend to have less education than persons under 65 years of age). These older persons were thus classified into two groups: "under 9 years" and "9 years and over" for years of completed education. In cases where even this reduction of educational groupings did not produce a sufficient proportion of reliable results, estimates are shown for these older persons without education included.

Years of completed education rather than family income was used as the basic sociodemographic control variable primarily for two reasons. First, whereas family income was not reported for 15.4 million persons (about 7.2 percent of the population), education was not reported for only about 2.9 million persons (1.9 percent of persons 17 years of age and over). Thus, using education rather than family income does not involve excluding nearly as many cases because of missing data.

Second, as indicated in table B (which summarizes the results shown in table 5), more variation of the estimates of persons assessed in fair or poor health is associated with education than with family income. The estimates of persons assessed in fair or poor health by education range from 46.4 percent for persons with no education to 5.9 percent for persons with 16 years or more education, while the range for family income is

only from 31.6 percent for persons in families with less than \$5,000 in income to 6.8 percent for persons in families with income of \$25,000 and over. On the other hand, the variations in the estimates by education and family income are only partially associated with one another. There remain significant differences by family income within each of the categories of years of completed education. For this reason, broad income categories—along with age, sex, and race—are also shown in tables 6–13 when sampling error is not a major problem.

The extensive cross-classification of the data included in this report has at least two implications. First, percents in these tables are accompanied only by population figures (that is, denominators) for the variable under consideration. To have included the number of persons for the assessed health statuses (that is, numerators) would have vastly increased the number of pages needed for all the variables shown and would have necessitated showing data for fewer variables. A close approximation of each of the numerators may be obtained by multiplying the percent of persons assessed in fair or poor health by the population figure for the corresponding cell. This procedure will be necessary for readers wishing to regroup cells into new aggregates.

Second, the extensive cross-classification of the data produces more than the usual proportion of unreliable estimates found in Series 10 reports. For instance, many of the results are highly associated with race. Because only about 12 percent of the population is of the black race, results for this group often contain a high proportion of unreliable estimates. However, because of the importance of race in relation to the variables contained in this report, many of the tables include estimates for both black and white races in lieu of suppressing this variable altogether or showing the results only for the white population. On the other hand, by comparison there are so few persons classified as "other" (that is, of neither white nor black race), that extensive cross-classification of this group produces an overwhelming proportion of unreliable estimates. For this

Table B. Percent of persons 17 years of age and over assessed in fair or poor health and number of persons by family income and years of completed education:

United States, 1978

	Family income										
Years of education	All incomes	Under \$5,000	\$5,000 <u>—</u> \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000 and over	Unknown				
	Percent of persons assessed in fair or poor health										
All years of education	15.4	31.6	26.8	12.6	9.4	6.8	19.5				
No education	46.4	52.7	45.9	50.5	*20.3	*42.9	40.3				
1–8 years	35.8	45.4	37.2	28.2	24.5	22.3	36.2				
9-11 years	19.6	32.9	24.7	17.2	13.1	8.8	20.9				
12 years	11.1	22.3	15.7	10.7	8.1	6.8	14.1				
13–15 years	8.2	13.7	11.8	8.7	6.8	5.4	9.0				
16 years and over	5.9	11.5	7.5	6.4	5.5	4.6	9.0				
Unknown	23.9	38.9	27.5	19.2	15.4	14.6	25.2				
			Numb	er of persons in t	housands						
All years of education	154,817	18,404	26,384	25,990	37,531	31,071	15,438				
No education	1,041	416	260	101	64	*28	171				
1-8 years	22,486	6,187	6,332	3,281	2,558	1,218	2.909				
9–11 years	25,742	3,885	5,608	4,589	5.661	3.379	2,620				
12 years	57,429	4,252	9,025	11,026	16,655	11,191	5,281				
13–15 years	24,235	2,432	3,055	3,826	6,618	6,422	1,882				
16 years and over	20,937	905	1,763	2,773	5,634	8,506	1,357				
Unknown	2,947	326	342	395	340	326	1,218				

reason, estimates for "others" are seldom shown separately.

Finally, it should be noted that in the discussion of the results, terms such as "similar" and "the same" mean that no statistically significant difference exists between the statistics being compared. Terms relating to difference (such as, "greater" or "less,") indicate that differences are statistically significant. The t-test with a critical value of 1.96 (0.05 level of significance) was used to test all comparisons that are discussed. Lack of comment regarding the difference between any two statistics does not mean the difference was tested and found to be not significant.

Respondent-assessed health status by selected characteristics

Age

The percent of persons assessed in excellent, good, fair, and poor health by 5-year age groups is shown in table 1. The percent of persons assessed in fair or poor health is shown in figure 1. The curve indicates that even though people are asked to assess their health only in comparison with persons of their own age, there is nevertheless a strong tendency for the proportion of persons assessed in fair or poor health to vary with age.

For those under 17 years of age, there is relatively little variation by 5-year age groups in the proportion of individuals assessed in fair or poor health. For persons 17 years of age and over, the proportion increases (especially in the age range from 35 to 64 years) until about the age of 82 years and then declines.

The decline in the percent of persons assessed in fair or poor health after about 80 years of age is accounted for to a large extent by three factors. First, a relatively large percent of very ill persons at this advanced age are

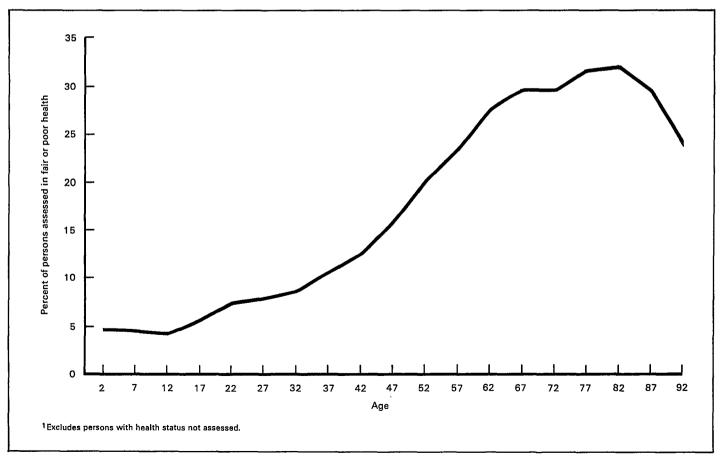


Figure 1. Percent¹ of persons assessed in fair or poor health by age: United States, 1978

in nursing homes or institutions and are therefore not included in the NHIS sample. Second, respondents are not instructed to exclude this institutionalized population when assessing the health of older persons in comparison with other persons their age. Finally, at an advanced age it is probable that most of a person's age cohort will have died. This consideration may enter into the frame of reference associated with a more favorable assessment of the health of very old persons who are still alive.

Sex

In table 1 the assessed health status for each sex by age is shown. For persons of all ages a higher proportion of females (13.5 percent) than of males (11.3 percent) were assessed in fair or poor health. From about 12 years of age until about 57 years of age the health of males is more positively assessed than that of females, as is shown in figure 2. This relationship is especially marked during the female's child-bearing years. However, after about 60 years of age, there is a tendency for the health of females to be assessed more positively than that of males. Differential patterns of mortality and institutionalization of each of the sexes undoubtedly affects to some degree the sex differences shown for these older persons.

Race

Interviewers conducting the NHIS interviews are instructed to classify each person in a household on the basis of observation as "white." "black." or "other." The distribution of assessed health status according to these three racial groups, age, and sex is shown in table 2. Observed race rather than the respondent's classification of race has been used in this report because all NHIS data were ratio-adjusted and weighted on the basis of observed race to correspond to official U.S. Census Bureau population estimates. Comparisons of estimates of the percent of persons assessed in fair or poor health for observed race and respondent-identified race indicate no statistically significant differences for whites or blacks. The percent of persons assessed in fair or poor health ranges from a low of 3.7 percent for white females under 17 years of age to a high of 47.5 percent for black males 65 years of age and over. For each of the age groups shown in figure 3, blacks have a higher proportion of persons assessed in fair or poor health than do persons classified as white or as other.

Family income

The percent of persons assessed in fair or poor health is generally higher for lower income groups and

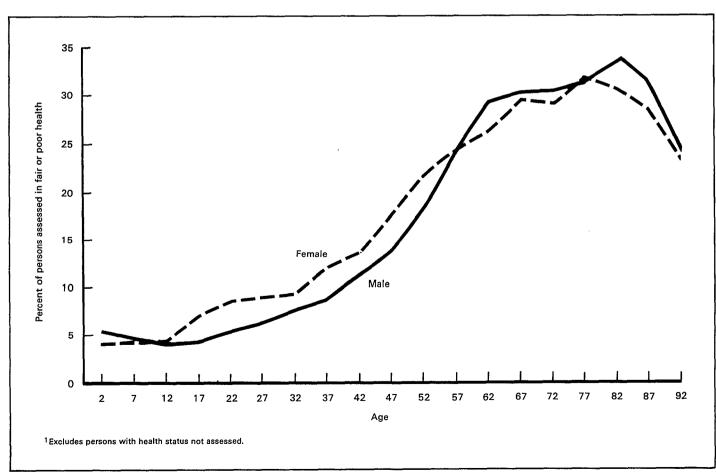


Figure 2. Percent¹ of persons assessed in fair or poor health by sex and age: United States, 1978

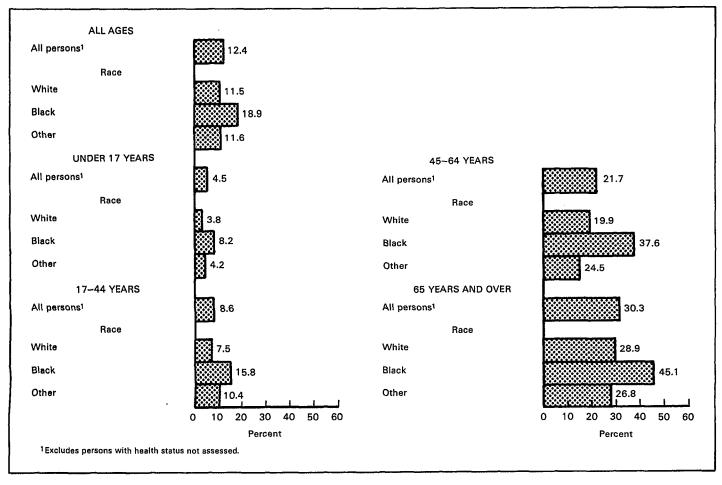


Figure 3. Percent¹ of persons assessed in fair or poor health by age and race: United States, 1978

lower for higher income groups. However, this relationship does not hold for very low family-income groups where, as is shown in table 3 and figure 4, the percents are similar for persons in families with under \$3,000 annual income and for those with a \$3,000-\$4,999 family income (26.6 percent and 27.0 percent, respectively).

The percent of persons assessed in fair or poor health by age and selected family income is shown in figure 5. As may be noted, the patterns for different family income groups by age are different. For persons in families with an annual income of \$25,000 and over, the proportion of persons in fair or poor health increases with increasing age. However, for persons in low familyincome groups, the highest proportion of persons assessed in fair or poor health are in the range from 50 to 60 years of age, with the proportion being lower for persons 65 years of age and over. The curves for the two low family-income groups also indicate two reasons why the assessed health of persons in the under \$3,000 annual family-income group is not significantly worse than that of the \$3,000-\$4,999 annual family-income group: First, there are no differences for persons under 17 years of age; and, second, for persons approximately in the 55-64 age range, a higher proportion in the \$3,000-\$4,999 than in the under \$3,000 annual family-income group are assessed to be in fair or poor health.

Educational level

The number of years of completed education is requested for all persons in the sample who are 17 years of age and over. There is a high negative association between years of completed education and the percent of persons assessed in fair or poor health, with this pattern appearing within each of the age groups (table 4 and figure 6).

Estimates of the percent of persons in fair or poor health range from 2.1 percent for persons 17–24 years of age who have completed 16 or more years of school to 55.1 percent for persons 45–54 years of age with no education.

The distribution of assessed health status according to family income and years of completed education is shown in table 5. These results were highlighted and discussed in a section entitled "Results."

As in the case of family income, the patterns for persons with little education and for those with a great deal of education differ significantly. The highest proportion of persons assessed in fair or poor health among

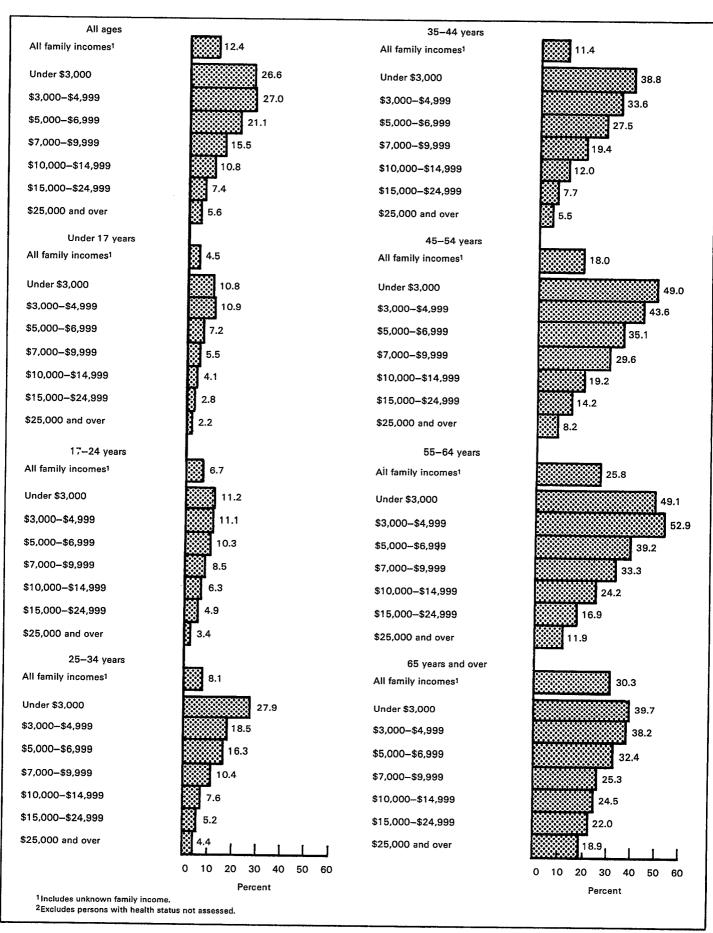


Figure 4. Percent² of persons assessed in fair or poor health by age and family income: United States, 1978

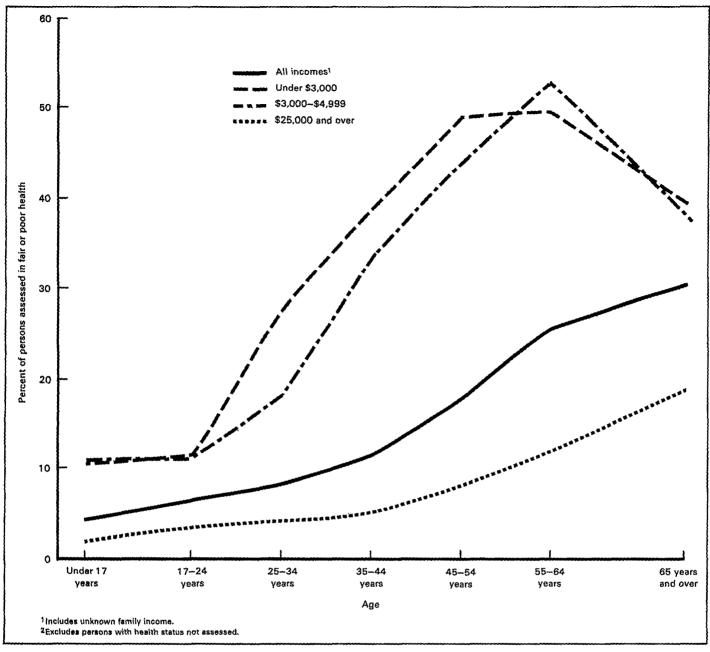


Figure 5. Percent² of persons assessed in fair or poor health by age and selected family income: United States, 1978

persons with from 1 to 8 years of education occurs at about the age of 60, while for persons with 16 or more years of education, the proportion increases continually as age increases, as is shown in figure 7.

Marital status

Regarding marital status, the highest proportion of persons assessed in fair or poor health is among widowed persons (29.0 percent), while the lowest proportion is among persons who have never been married (9.2 percent). However, the difference in the age distribution among the four marital status groups shown in table 6 accounts for much of the difference among the assessed health statuses of the marital status groups. Within the

age groups in figure 8, the estimates for widowed persons are similar to those of persons who are divorced or separated, and with one exception (married persons 65 years of age and over) these are consistently higher than those of married and never-married persons. Between married and never-married persons, the proportions assessed in fair or poor health are similar for persons 17–44 years of age, lower for married persons 45–64 years of age, and lower for never-married persons 65 years of age and over.

Usual activity

Usual activity refers to what a person was doing during most of the 12 months preceding the interview.

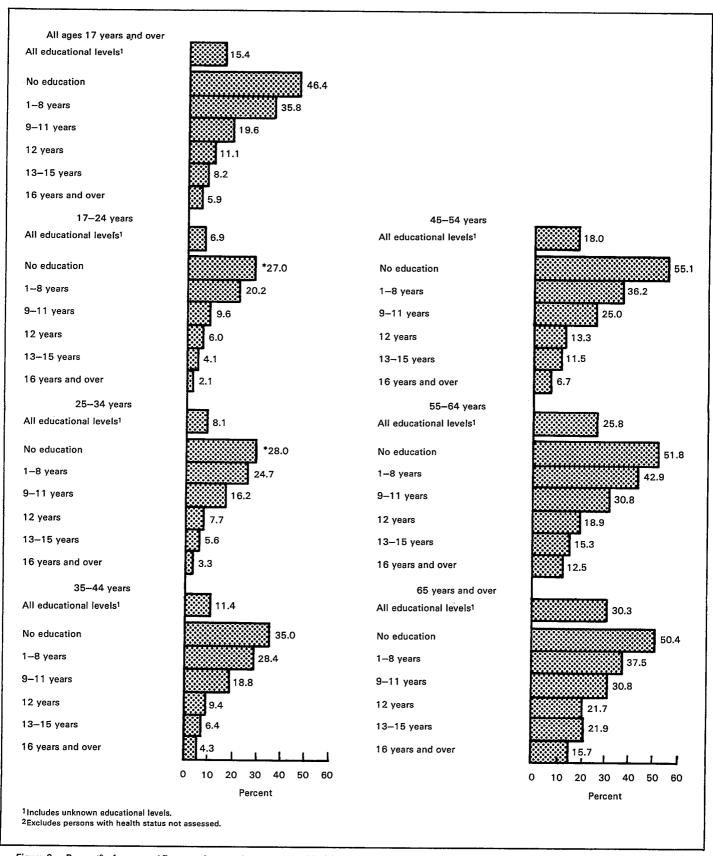


Figure 6. Percent² of persons 17 years of age and over assessed in fair or poor health by age and years of completed education: United States, 1978

Respondents are asked to classify usual activity from among the following categories for persons 17 years of age and over: working, keeping house (asked of women

only), going to school, retired (not asked of persons under 45 years of age), and "something else." In table 7 the results are shown for persons age 17 and over classi-

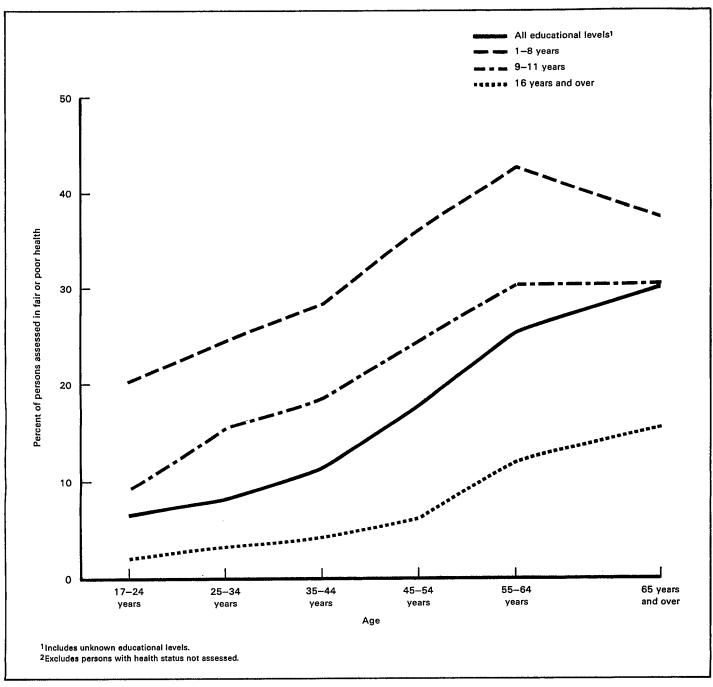


Figure 7. Percent² of persons assessed in fair or poor health by age and selected years of completed education: United States, 1978

fied as working, keeping house, going to school, and "other" (which combines retired and "something else" since neither group is large.

For each of the age groups the highest proportion of persons assessed in fair or poor health was for those classified as "other"; the lowest proportion was for people who were usually working, with the estimates for women keeping house falling between these two (figure 9). Going to school is not included in the comparison because the low rate associated with it (5.5 percent) merely reflects that almost all the persons included in this category are in their teens or early twenties. The

relationships described above are relatively consistent within all of the age, educational, sex, racial, and family income groups shown in table 7.

Labor force and employment status

Labor force and employment status refer to the person's status during the 2 weeks preceding interview. Persons in the labor force include those who were employed or unemployed during that 2-week period. All other persons 17 years of age and over are classified as "not in the labor force."

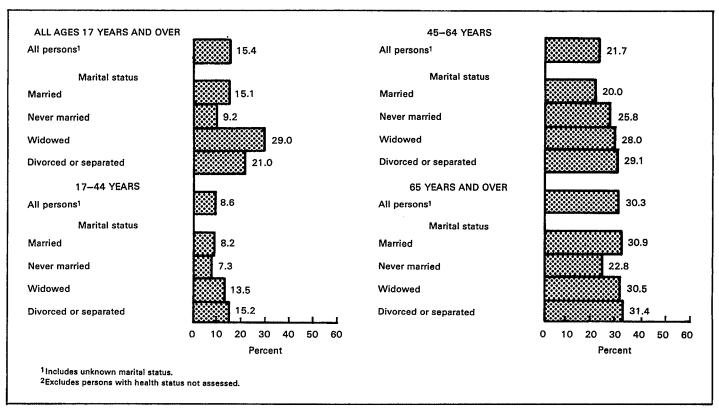


Figure 8. Percent² of persons 17 years of age and over assessed in fair or poor health by age and marital status: United States, 1978

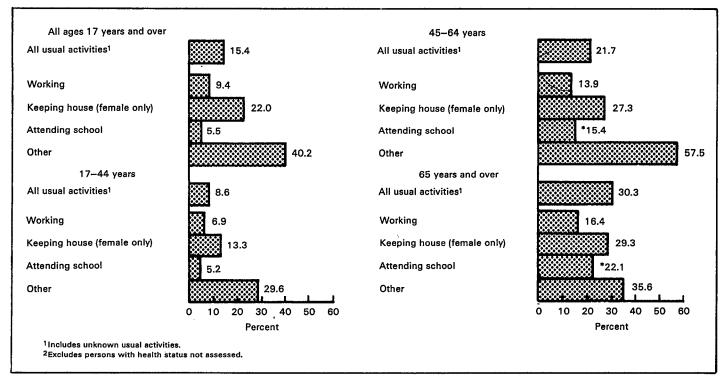


Figure 9. Percent² of persons 17 years of age and over assessed in fair or poor health by age and usual activity: United States, 1978

For each of the age groups, those not in the labor force had proportionately many more persons assessed in fair or poor health than did those in the labor force (figure 10). The currently employed had the lowest proportion of persons assessed in fair or poor health for persons 17–64 years of age, with the estimates for the unemployed falling between those currently employed and those not in the labor force. The results are incon-

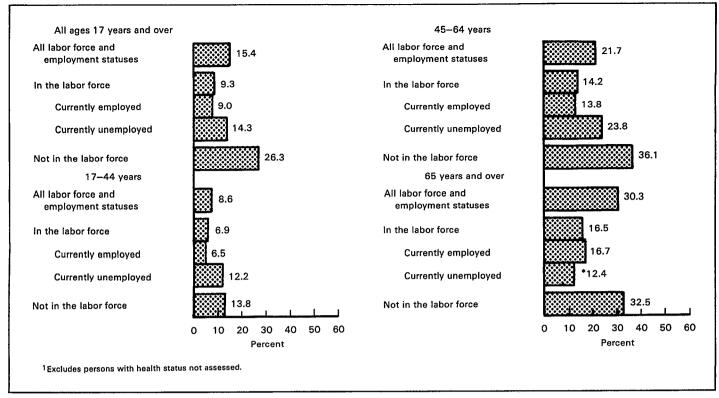


Figure 10. Percent¹ of persons 17 years of age and over assessed in fair or poor health by age and labor force and employment status: United States, 1978

clusive for persons 65 years of age and over because of the large sampling error for persons in this age group who were unemployed.

In table 8 a similar pattern holds for almost all the comparisons based on age, education, sex, race, and family income. The major exception is for persons 17–44 years of age with more than 12 years of education for whom the results are approximately the same for the unemployed and for those not in the labor force. To at least some degree, this exception results from the fact that this group of persons not in the labor force includes many college students. Because college students are, in general, very healthy, the proportion of persons in this group assessed in fair or poor health is relatively low (7.0 percent versus 7.8 percent for unemployed persons).

Employment-related characteristics of persons in the labor force

Information about occupation, type of employer, and industry is determined for all persons in the labor force. For the unemployed the questions are asked in terms of the last occupation they had before they became unemployed. While in a small proportion of the cases this may mean that the occupation named has not been pursued in many years (for example, for a woman who left the labor force to raise her children many years ago and is now attempting to reenter the labor force), in

most cases the occupation named by the unemployed person will have been held in the recent past.

Type of occupation

As shown in figure 11, the occupational group with the smallest proportion of persons assessed in fair or poor health is white collar workers (6.8 percent). Within the three age groups, the estimates for persons assessed in fair or poor health in blue collar, farm, and service work do not vary a great deal from one another, but they are consistently higher than the estimates for white collar workers.

The results in terms of 10 categories used in the standard U.S. Census Bureau classification of occupations are shown in table 9. The estimates of persons assessed in fair or poor health within these categories range from 5.7 percent for professional, technical, and kindred workers to 13.9 percent for all operatives aside from those in the transportation industry. However, the estimates for farmers and all types of farmworkers (13.5 percent) and for service workers (13.1 percent) do not differ significantly from the estimate for operatives.

Type of employer

The percent of persons assessed in fair or poor health by type of employer are 9.2 percent for private industry, 8.7 percent for Government, and 10.4 percent among persons who are self-employed (figure 11). The higher estimate for the self-employed, however, merely

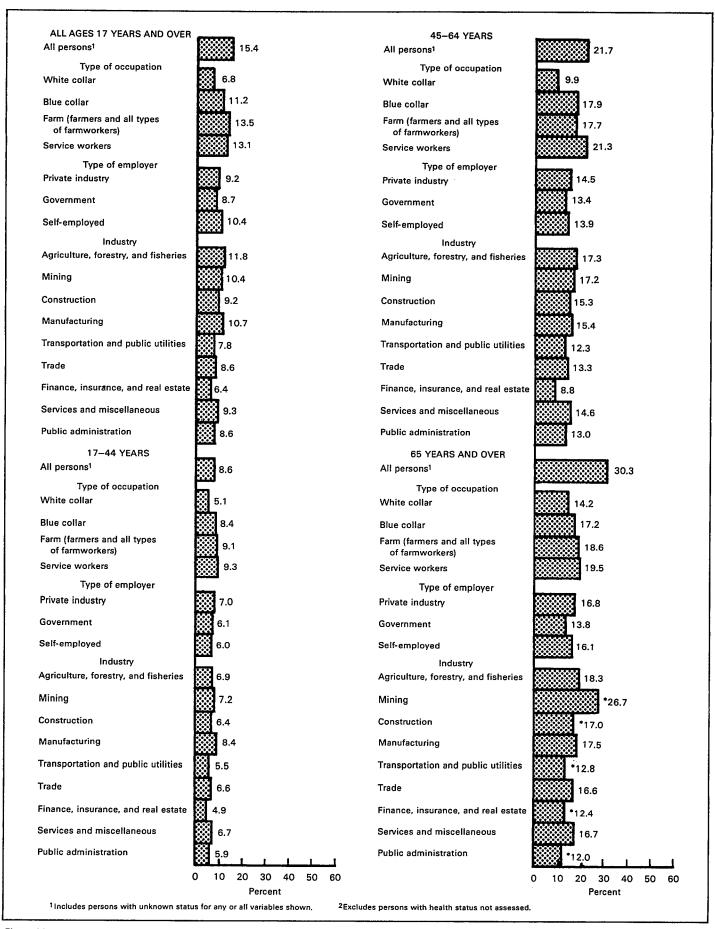


Figure 11. Percent² of persons 17 years of age and over assessed in fair or poor health by age and employment-related characteristics: United States, 1978

reflects the fact that they are disproportionately distributed among older persons.

While it may appear within age groups that a higher proportion of persons employed in private industry are in fair or poor health than are Government workers, when examined within educational levels the estimates for private industry are generally lower than for Government workers (table 10).

Type of industry

Persons working in finance, insurance, and real estate have proportionately fewer persons assessed in fair or poor health (6.4 percent) than in any of the other categories of the standard U.S. Census Bureau Industry Classification. The highest estimates of persons assessed in fair or poor health among persons 17–44 years of age are in manufacturing (8.4 percent) and among persons 45–64 years of age are in agriculture, forestry, and fisheries (17.3 percent) and in mining (17.2 percent) (figure 11). These estimates are not, however, statistically significantly higher than most of the estimates for the other industries.

The percent of persons assessed in fair or poor health for each of the industries shown in figure 11 is shown in table 11 separately for white and blue collar workers. The reliable estimates of persons assessed in fair or poor health range from 5.7 percent for white collar workers in finance, insurance, and real estate to 12.6 percent for blue collar workers in manufacturing.

Geographic region

Among the geographic regions of the country, the South contains the highest proportion of persons as-

sessed in fair or poor health (15.3 percent), and this relationship holds within each of the age groups (figure 12). The same relationship is indicated in table 12 for persons with different levels of education, for whites and blacks, and for persons with higher or lower family incomes. In general, the other three regions have a lower proportion of persons in fair or poor health, with no single region consistently having relatively fewer persons in fair or poor health for all of the variables shown in the table.

Place of residence

For persons of all ages and for each of the four age groups examined, the smallest proportion of persons assessed in fair or poor health live in standard metropolitan statistical areas (SMSA's) outside the central city (figure 12). This area is roughly comparable to what are often called "the suburbs." The proportions for persons assessed in fair or poor health living in central cities in SMSA's and for those living outside SMSA's are similar. In general, the same relationship holds within educational, racial, and family income segments of the civilian noninstitutionalized population (table 13).

In table 13, the proportion of persons assessed in fair or poor health living outside SMSA's is further classified into farm and nonfarm areas. According to these estimates, there seems to be a tendency for those living in nonfarm areas to be assessed in fair or poor health in slightly greater proportions (14.4 percent versus 13.3 percent for persons living on farms). However, this difference is not statistically significant.

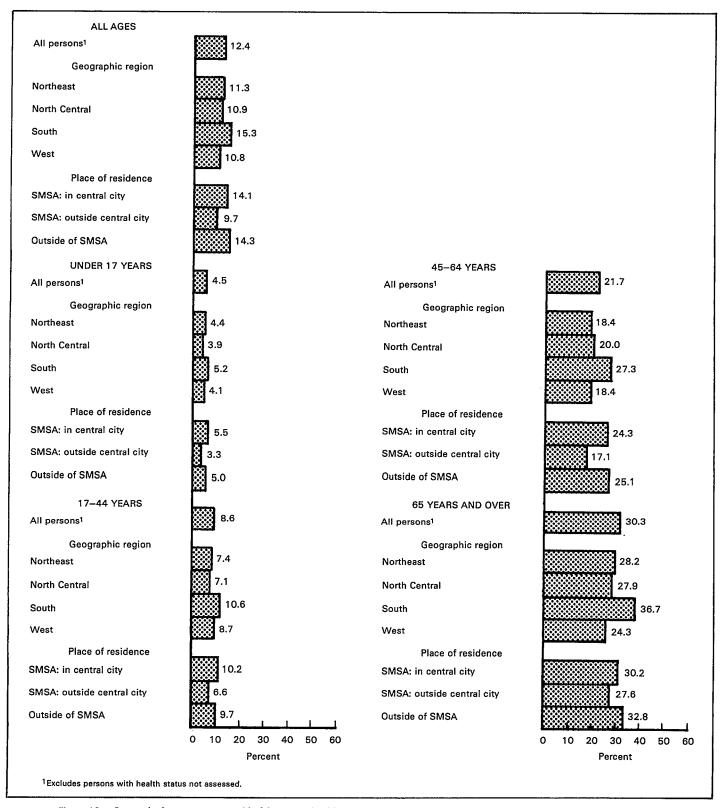


Figure 12. Percent¹ of persons assessed in fair or poor health, by age, geographic region, and place of residence: United States, 1978

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Table 1. Number of persons by sex and age and percent distribution of persons by respondent-assessed health status, according to sex and age:

United States, 1978

		Respondent-assessed health status							
Sex and age	All persons	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Paor	
Both sexes	Number in thousands	Perce	ent distributio	n ¹	Pe	rcent dist	tribution ²		
All ages	213,828	100.0	87.6	12.4	48.6	38.5	9.5	2.8	
Under 5 years	15,389	100.0	95.3	4.7	60.7	33.7	4.2	0.5	
5–9 years	16,860	100.0	95.5	4.5	60.0	34.8	4.0	0.5	
10-14 years	18,531	100.0	95.9	4.1	60.2	35.1	3.7	0.4	
15-19 years	20,550	100.0	94.4	5.7	56.7	37.2	5.0	0.6	
20-24 years	19,414	100.0	92.8	7.2	52.9	39.6	6.4	0.8	
25-29 years	17,487	100.0	92.3	7.7	53.5	38.5	6.7	1.0	
3034 years	15,526	100.0	91.5	8.5	53.3	37.9	6.8	1.7	
35-39 years	12,749	100.0	89.5	10.5	50.8	38.3	8.4	2.0	
40–44 years	11,134	100.0	87.5	12.5	47.1	40.1	9.8	2.7	
45-49 years	11,251	100.0	84.1	15.9	42.1	41.6	12.2	3.7	
50-54 years	11,720	100.0	80.0	20.0	38.2	41.5	14.4	5.5	
55-59 years	10,964	100.0	75.7	24.3	32.9	42.5	16.8	7.4	
60-64 years	9,468	100.0	72.4	27.6	30.7	41.3	19.6	7.8	
65-69 years	8,243	100.0	70.2	29.8	28.5	41.2	21.6	8.1	
7074 years	6,353	100.0 100.0	70.3 68.3	29.7 31.7	28.4 25.9	41.2 41.9	21.2 23.0	8.2 8.4	
80-84 years	4,297 2,429	100.0	68.0	32.0	26.7	41.0	22.0	9.8	
85-89 years	1,062	100.0	70.3	29.7	32.5	37.9	18.3	11.5	
90-94 years	311	100.0	76.4	23.6	35.4	39.2	16.4	*6.8	
95 years and over	93	100.0	67.7	*32.3	*29.0	38.7	*18.3	*14.0	
·			2			•••		. ,,,	
Male									
All ages	103,174	100.0	88.7	11.3	51.8	36.5	8.4	2.9	
Under 5 years	7,870	100.0	94.6	5.4	60.6	33.4	4.8	0.5	
5–9 years	8,602	100.0	95.4	4.6	59.6	35.0	4.0	0.6	
IO-14 years	9,436	100.0	96.0	4.0	60.8	34.6	3.6	0.4	
15-19 years	10,259	100.0	95.8	4.2	60.2	35.2	3.8	0.5	
20–24 years	9,373	100.0	94.5	5.5	57.1	37.2	4.8	0.7	
25–29 years	8,485	100.0	93.6	6.4	58.0	35.4	5.5	0.9	
30-34 years	7,542	100.0	92.4	7.6	57.9	34.4	5.9	1.7	
35–39 years	6,227	100.0	91.2	8.8	55.1	35.7	6.9	1.9	
40–44 years	5,252	100.0	88.7	11.3	51.7	36.7	8.4	2.8	
45–49 years	5,457	100.0	86.1	13.9	47.4	38.2	10.4	3.5	
50-54 years	5,630	100.0	81.9	18.1	41.7	39.6	12.3	5.7	
55-59 years	5,201	100.0	75.9	24.1	35.2	40.5	16.2	7.8	
60-64 years	4,446	100.0	70.7	29.3	31.4	38.8	19.5	9.5	
65–69 years	3,670 2.672	100.0 100.0	69.8 69.5	30.2	30.3 29.7	39.1	20.8 20.8	9.2 9.4	
7074 years				30.5		39.1		9.4	
75–79 years	1,659 908	100.0 100.0	68.7 65.9	31.2 34.1	26.3 24.7	42.1 41.0	21.7 21.8	12.1	
85–89 years	353	100.0	68.6	31.4	33.4	35.1	21.0	10.5	
90–94 years	115	100.0	75.9	*24.1	36.5	37.4	*15.7	*7.8	
95 years and over	*17	100.0	*88.2	*11.8	*41.2	47.1	*11.8	*-	
Female									
All ages	110,655	100.0	86.5	13.5	45.6	40.4	10.6	2.8	
Under 5 years	7,519	100.0	96.0	4.0	60.8	34.1	3.6	*0.4	
5–9 years	8,258	100.0	95.6	4.4	60.4	34.6	4.0	*0.4	
10-14 years	9.095	100.0	95.7	4.3	59.5	35.6	3.8	0.5	
15–19 years	10,291	100.0	92.9	7.1	53.2	39.2	6.3	0.7	
20–24 years	10,041	100.0	91.2	8.8	49.0	41.8	7.8	1.0	
2529 years	9,001	100.0	91.0	9.0	49.3	41.4	7.9	1.0	
30-34 years	7,983	100.0	90.6	9.4	49.0	41.3	7.7	1.7	
35–39 years	6,522	100.0	87.9	12.1	46.7	40.8	9.9	2.2	
40~44 years	5,882	100.0	86.5	13.5	42.9	43.1	10.9	2.5	
45-49 years	5,794	100.0	82.3	17.7	37.2	44.8	13.8	3.8	

Table 1. Number of persons by sex and age and percent distribution of persons by respondent-assessed health status, according to sex and age: United States, 1978—Con.

		Respondent-assessed health status								
Sex and age	All persons	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor		
Female—Con.	Number in thousands	Perce	ent distributio	on ¹	Pe	rcent dist	ribution ²			
55–59 years	5,764	100.0	75.4	24.6	30.8	44.2	17.3	7.1		
60-64 years	5,022	100.0	74.0	26.0	30.0	43.6	19.6	6.4		
65-69 years	4,573	100.0	70.4	29.6	27.0	42.9	22.2	7.2		
70-74 years	3,681	100.0	70.9	29.1	27.4	42.7	21.5	7.4		
75–79 years	2,638	100.0	68.0	32.0	25.6	41.8	23.8	7.8		
80-84 years	1,521	100.0	69.3	30.7	27.8	41.0	22.1	8.5		
85–89 years	709	100.0	71.2	28.9	32.0	39.2	16.9	12.0		
90–94 years	196	100.0	76.7	23.3	35.2	40.3	*16.8	*6.1		
95 years and over	76	100.0	63.2	*36.8	*26.3	*36.8	*19.7	*17.1		

NOTE: The appropriate relative standard errors of the estimates shown in this table are found in appendix I, figures I and II.

 $^{^{1}\,\}text{Excludes}$ persons with health status not assessed. $^{2}\,\text{Includes}$ persons with health status not assessed.

Table 2. Number of persons by age, sex, and race and percent distribution of persons by respondent-assessed health status, according to age, sex, and race:

United States, 1978

		Respondent-assessed health status							
Age, sex, and race	All persons	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor	
ALL AGES	Number in								
Both sexes	thousands	Perce	ent distributio	n ¹	Pe	rcent dist	ribution ²		
All races	213,828	100.0	87.6	12.4	48.6	38.5	9.5	2.8	
White	185,052	100.0	88.5	11.5	50.3	37.7	8.8	2.7	
Black	25,695	100.0	81.1	18.9	37.1	43.5	14.7	4.0	
Other	3,081	100.0	88.4	11.6	43.6	44.1	9.3	2.3	
Male									
All races	103,174	100.0	88.7	11.3	51.8	36.5	8.4	2.9	
White	89,717	100.0	89.4	10.6	53.4	35.6	7.8	2.8	
Black	11,871	100.0	83.7	16.3	40.8	42.3	12.6	3.6	
Other	1,586	100.0	89.1	10.9	46.0	42.4	8.3	2.5	
Female									
All races	110,655	100.0	86.5	13.5	45.6	40.4	10.6	2.8	
White	95,335	100.0	87.6	12.4	47.4	39.7	9.7	2.6	
Black	13,824	100.0	79.0	21.0	33.9	44.6	16.5	4.4	
Other	1,496	100.0	87.6	12.4	41.0	45.9	10.3	*2.1	
UNDER 17 YEARS OF AGE									
Both sexes									
All races	59,012	100.0	95.5	4.5	60.1	34.7	4.0	0.5	
White	48,945	100.0	96.2	3.8	63.0	32.5	3.3	0.4	
Black	9,148 919	100.0 100.0	91.8 95.8	8.2 4.2	45.6 47.1	45.5 47.6	7.5 *3.6	0.6 *0.5	
Outer	313	100.0	33.6	4.2	47.1	47.0	3.0	0.5	
Male									
All races	30,096	100.0	95.5	4.5	60.5	34.3	4.0	0.5	
White	25,027	100.0	96.1	3.9	63.3	32.2	3.4	0.5	
BlackOther	4,582 486	100.0 100.0	92.0 94.8	8.0 *5.2	46.6 48.8	44.7 44.2	7.4 *4.7	*0.6 *0.4	
	,,,,	, , , , ,	•					•••	
Female									
All races	28,916	100.0	95.6	4.4	59.6	35.2	4.0	0.4	
White	23,917	100.0	96.3	3.7 8.3	62.8 44.6	32.7 46.4	3.3 7.6	0.4 *0.6	
BlackOther	4,565 433	100.0 100.0	91.7 97.0	*3.2	45.3	51.0	*2.3	*0.9	
17–44 YEARS OF AGE									
Both sexes	20.007	400.0	04.4	0.0	FO.4	00.0	7.4		
All races	88,627	100.0	91.4	8.6	52.4	38.8	7.1	1.4	
White	76,738 10,377	100.0 100.0	92.5 84.2	7.5 15.8	54.4 38.5	37.8 45.4	6.3 12.8	1.2 2.9	
Other	1,511	100.0	89.6	10.4	45.7	43.8	8.7	*1.7	
Male									
All races	42,951	100.0	92.9	7.1	56.8	35.9	5.8	1.3	
White	37,627	100.0	93.5	6.5	58.3	34.9	5.3	1.1	
Black	4,559	100.0	87.6	12.4	44.7	42.6	9.7	2.6	
Other	765	100.0	92.7	7.3	50.1	42.5	5.4	*1.8	

Table 2. Number of persons by age, sex, and race and percent distribution of persons by respondent-assessed health status, according to age, sex, and race: United States, 1978—Con.

		Respondent-assessed health status							
Age, sex, and race	All persons	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor	
17-44 YEARS OF AGE-Con.	Number in								
Female	thousands	Perc	ent distributio	n ¹	Pe	ercent dist	ribution ²		
All races	45,676	100.0	90.1	9.9	48.3	41.5	8.4	1.5	
White	39,112 5,818 746	100.0 100.0 100.0	91.4 81.6 86.4	8.6 18.4 13.6	50.5 33.7 41.2	40.5 47.5 45.2	7.3 15.2 12.1	1.2 3.1 *1.5	
45-64 YEARS OF AGE									
Both sexes									
All races	43,403	100.0	78.3	21.7	36.2	41.7	15.5	6.0	
White	38,756	100.0	80.1	19.9	37.6	42.1	14.2	5.7	
BlackOther	4,156 491	100.0 100.0	62.4 75.5	37.6 24.5	23.3 36.3	38.5 38.5	27.9 18.7	9.4 *5.5	
	401	100.0	70.0	24.0	00.0	00.0		0.0	
Male	00.704	100.0	70.4	00.0	00.4	00.0	444		
All races	20,734	100.0	79.1	20.9	39.4	39.3	14.4	6.4	
White	18,599 1,888	100.0 100.0	80.3 67.8	19.7 32.2	40.6 27.6	39.3 39.5	13.3 24.2	6.3 7.7	
Other.	247	100.0	74.2	25.8	35.6	38.1	19.0	*6.5	
Female									
All races	22,668	100.0	77.6	22.4	33.3	43.9	16.6	5.6	
White	20,156	100.0	79.9	20.1	34.8	44.7	15.0	5.1	
Black	2,268	100.0	58.0	42.0	19.8	37.8	31.0	10.8	
Other	244	100.0	76.9	23.1	36.9	38.9	18.4	*4.5	
65 YEARS OF AGE AND OVER									
Both sexes									
All races	22,788	100.0	69.7	30.3	28.0	41.1	21.5	8.5	
White	20,613	100.0	71.1 EE 0	28.9	28.9 19.0	41.6	20.7 30.3	7.9 14.4	
Other.	2,015 160	100.0 100.0	55.0 73.2	45.1 26.8	26.3	35.4 45.0	*17.5	*8.8	
Mala									
Male All races	9,393	100.0	69.2	30.8	29.1	39.7	21,0	9.6	
White	8,463	100.0	70.9	29.1	30.3	40.1	20.0	8.9	
Black	8,463 843	100.0	70.9 52.5	47.5	17.2	34.9	31.0	16.1	
Other	88	100.0	68.2	*31.8	*25.0	43.2	*21.6	*10.2	
Female									
All races	13,394	100.0	70.0	30.0	27.3	42.1	21.9	7.8	
White	12,150	100.0	71.3	28.7	28.0	42.7	21.2	7.3	
Black	1,172	100.0	56.7	43.3	20.3	35.9 *47.2	29.8	13.1	
Other	72	100.0	79.7	*20.3	*29.2	*47.2	*12.5	*6.9	

 $^{^{1}\}textsc{Excludes}$ persons with health status not assessed. $^{2}\textsc{Includes}$ persons with health status not assessed.

NOTE: The appropriate relative standard errors of the estimates shown in this table are found in appendix I, figures I and II.

Table 3. Number of persons by age and family income and percent distribution of persons by respondent-assessed health status, according to age and family income: United States, 1978

		Respondent-assessed health status							
Age and family income	All persons	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor	
AU	Number in			1			2)	
All ages	thousands		ent distributio			rcent dis			
All family incomes ³	213,828	100.0	87.6	12.4	48.6	38.5	9.5	2.8	
Under \$3,000	10,300	100.0	73.4	26.6	33.5	39.4	18.5	8.0	
\$3,000-\$4,999	13,644	100.0	73.0	27.0	32.0	40.6	18.7	8.1	
\$5,000-\$6,999	15,637	100.0	78.9	21.1	35.9	42.6	15.9	5.1	
\$7,000~\$9,999 \$10.000~\$14.999	20,444	100.0	84.5	15.5	40.2	43.9	11.5	4.0	
\$15,000-\$24,999	36,882	100.0	89.2	10.8 7.4	48.9 54.8	39.9	8.6	2.1	
\$25,000 and over	53,894 42,336	100.0 100.0	92.6 94.4	7.4 5.6	62.4	37.4 31.6	6.2 4.7	1.1 0.9	
420,000 and 0ver	42,330	100.0	34.4	5.6	02.4	31.0	4.7	0.5	
Under 17 years of age									
All family incomes ³	59,012	100.0	95.5	4.5	60.1	34.7	4.0	0.5	
Under \$3,000	2,210	100.0	89.2	10.8	41.4	47.3	10.2	*0.5	
\$3,000-\$4,999	3,330	100.0	89.1	10.9	44.4	43.8	9.8	1.1	
\$5,000-\$6,999	3,976	100.0	92.8	7.2	47.3	45.1	6.4	*0.8	
\$7,000-\$9,999	5,721	100.0	94.5	5.5	51.0	42.5	4.8	0.7	
\$10,000-\$14,999	10,892	100.0	95.9.	4.1	60.2	35.0	3.6	0.4	
\$15,000–\$24,999\$25,000 and over	16,363 11,265	100.0 100.0	97.2 97.8	2.8 2.2	65.8 72.9	30.7 24.5	2.4 1.9	0.3 *0.3	
\$25,000 and 0ver	11,200	100.0	97.0	2.2	72.9	24.5	1.5	0.3	
17–24 years of age									
All family incomes ³	31,731	100.0	93.1	6.9	53.8	39.1	6.1	8.0	
Under \$3,000	2,627	100.0	88.8	11,2	47.5	41.0	9.6	1.5	
\$3,000-\$4,999	2,084	100.0	88.9	11.1	44.1	44.7	9.4	*1.6	
\$5,000–\$6,999	2,518	100.0	89.7	10.3	44.1	45.3	9.1	*1.1	
\$7,000-\$9,999	3,361	100.0	91.5	8.5	47.3	43.9	7.5	1.0	
\$10,000-\$14,999	.5,345	100.0	93.7	6.3	52.3	41.0	5.5	0.8	
\$15,000—\$24,999	6,781	100.0	95.1	4.9	57.5	37.4	4.5	*0.3	
\$25,000 and over	6,192	100.0	96.6	3.4	67.3	29.1	3.1	*0.3	
25-34 years of age									
All family incomes ³	33,012	100.0	91.9	8.1	53.4	38.2	6.8	1.3	
Under \$3,000	918	100.0	72.1	27.9	35.5	36.6	20.5	7.4	
\$3,000-\$4,999	1,330	100.0	81.5	18.5	36.3	44.7	14.2	4.2	
\$5,000-\$6,999	1,809	100.0	83.7	16.5	41.5	41.8	13.5	2.7	
\$7,000-\$9,999	2,950	100.0	89.6	10.4	45.3	44.2	8.9	1.5	
\$10,000-\$14,999	7,054	100.0	92.4	7.6	53.0	39.2	6.4	1.2	
\$15,000-\$24,999	10,783	100.0	94.8	5.2	57.5	37.2	4.6	0.6	
\$25,000 and over	6,019	100.0	95.6	4.4	63.7	31.8	3.9	*0.4	
35–44 years of age									
All family incomes ³	23,883	100.0	88.6	11.4	49.1	39.2	9.1	2.3	
Under \$3,000	511	100.0	61.2	38.8	25.2	35.6	26.2	12.3	
\$3,000-\$4,999	797	100.0	66.4	33.6	27.5	38.8	21.7	11.8	
\$5,000-\$6,999	1,004	100.0	72.5	27.5	29.1	42.7	18.5	8.8	
\$7,000-\$9,999 \$10,000\$14,888	1,692	100.0	80.6	19.4	32.8	47.6	15.2	4.1	
\$10,000—\$14,999 \$15,000—\$24,999	3,832	100.0	88.0	12.0	44.6 51.5	43.0	9.9	2.1	
\$15,000-\$24,999 \$25,000 and over	7,269 6 707	100.0	92.3	7.7 5.5	51.5 61.9	40.6	6.8	0.9	
#ZU,UUU and Over	6,797	100.0	94.5	5.5	61.8	32.4	4.8	0.6	

See footnotes at end of table.

Table 3. Number of persons by age and family income and percent distribution of persons by respondent-assessed health status, according to age and family income: United States, 1978-Con.

Age and family income		Respondent-assessed health status							
	All persons	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor	
4554 years of age	Number in thousands	Perce	ent distributio	nn1	Pe	rcent dis	tribution ²	<u> </u>	
All family incomes ³	22,970	100.0	82.0	18.0	40.1	41.5	13.3	4.6	
Under \$3,000	664	100.0	51.0	49.0	19.6	30.6	26.8	21.5	
\$3,000-\$4,999	798	100.0	56.4	43.6	20.2	35.8	29.4	13.9	
\$5,000-\$6,999	1,008	100.0	64.9	35.1	26.3	38.3	23.0	11.9	
\$7,000-\$9,999	1,531	100.0	70.4	29.6	28.3	41.9	19.0	10.5	
\$10,000-\$14,999	3,365	100.0	80.9	19.2	35.0	45.5	15.3	3.8	
\$15,000~\$24,999	6,118	100.0	85.8	14.2	40.8	44.8	11.6	2.5	
\$25,000 and over	6,929	100.0	91.8	8.2	52.4	39.0	6.9	1.2	
55-64 years of age									
All family incomes ³	20,432	100.0	74.2	25.8	31.9	41.9	18.1	7.6	
Under \$3,000	972	100.0	50.9	49.1	19.1	31.2	28.2	20.4	
\$3,000-\$4,999	1,330	100.0	47.1	52.9	16.3	30.5	31.1	21.6	
\$5,000-\$6,999	1,657	100.0	60.8	39.2	21.7	38.6	27.8	11.0	
\$7,000-\$9,999	2,088	100.0	66.7	33.3	23.3	43.2	22.6	10.7	
\$10,000-\$14,999	3,587	100.0	75.8	24.2	32.1	43.5	17.7	6.5	
\$15,000-\$24,999	4,579	100.0	83.1	16.9	36.5	46.4	13.7	3.2	
\$25,000 and over	3,649	100.0	88.1	11.9	47.7	40.2	9.4	2.5	
65 years of age and over									
All family incomes ³	22,788	100.0	69.7	30.3	28.0	41.1	21.5	8.5	
Under \$3,000	2,397	100.0	60.1	39.9	21.4	38.1	27.1	12.5	
\$3,000-\$4,999	3,975	100.0	61.8	38.2	22.4	39.0	25.5	12.4	
\$5,000-\$6,999	3,666	100.0	67.6	32.4	26.1	41.2	24.2	8.0	
\$7,000-\$9,999	3,101	100.0	74.7	25.3	29.0	45.4	17.6	7.6	
\$10,000-\$14,999	2,808	100.0	75.6	24.5	31.9	43.2	18.2	6.2	
\$15,000-\$24,999	2,001	100.0	78.1	22.0	37.5	40.1	16.9	4.9	
\$25,000 and over	1,485	100.0	81.2	18.9	43.8	37.0	13.9	4.9	

¹Excludes persons with health status not assessed.

NOTE: The appropriate relative standard errors of the estimates shown in this table are found in appendix I, figures I and II.

²Includes persons with health status not assessed. ³Includes persons with unknown family income.

Table 4. Number of persons 17 years of age and over by age and years of completed education and percent distribution of persons 17 years of age and over by respondent-assessed health status, according to age and years of completed education: United States, 1978

	All	Respondent-assessed health status							
Age and years of completed education	persons 17 years of age and over	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor	
All ages 17 years and over	Number in thousands	Perc	ent distributio	n ¹	Pe	ercent dist	ribution ²		
All educational levels ³	154,817	100.0	84.6	15,4	44.3	39.9	11.6	3.7	
No education	•	100.0	53.5	46.4	18.9	33.6	23.4	22.1	
1–8 years	1,041 22,486	100.0	64.2	35.8	22.7	41.2	24.7	10.9	
9–11 years	25,742	100.0	80.4	19.6	36.6	43.5	15.5	4.0	
12 years	57,429	100.0	88.9	11.1	46.3	42.3	8.9	2.2	
13-15 years	24,235	100.0	91.8	8.2	55.0	36.6	6.6	1.5	
16 years and over	20,937	100.0	94.1	5.9	61.7	32.0	4.7	1.2	
17-24 years of age									
All educational levels ³	31,731	100.0	93.1	6.9	53.8	39.1	6.1	0.8	
No education	63	100.0	73.0	*27.0	*27.0	*46.0	*12.7	*14.3	
1-8 years	1,100	100.0	79.8	20.2	28.4	51.3	17.5	*2.6	
911 years	8,144	100.0	90.4	9.6 6.0	49.1 54.2	41.0	8.3	1.3 0.6	
12 years	12,906 6,904	100.0 100.0	94.0 95.9	4.1	54.2 59.6	39.5 36.0	5.4 3.9	*0.2	
16 years and over	2,084	100.0	97.8	2.1	64.3	33.0	2.0	*0.1	
25–34 years of age									
All educational levels ³	33,012	100.0	91.9	8,1	53.4	38.2	6.8	1.3	
No education	82	100.0	72.0	*28.0	*30.5	*41.5	*14.6	*13.4	
1-8 years	1,554	100.0	75.4	24.7	28.1	46.5	17.2	7.2	
9-11 years	3,523	100.0	83.8	16.2	35.4	48.4	14.4	1.8	
12 years	13,116	100.0	92.3	7.7	51.1	41.0	6.5	1.1	
13–15 years	6,829	100.0	94.4	5.6	58.8	35.4	4.7	0.9	
16 years and over	7,526	100.0	96.7	3.3	67.2	29.2	2.9	0.5	
35-44 years of age									
All educational levels ³	23,883	100.0	88.6	11.4	49.1	39.2	9.1	2.3	
No education	106	100.0	66.0	35.0	*29.2	*32.1	*19.8	*13.2	
1-8 years	2,269	100.0	71.6	28.4	27.5	43.8	20.7	7.7	
9-11 years	3,566	100.0	81.2	18.8	34.2	46.6	15.4	3.3	
12 years	9,786	100.0	90.6	9.4	49.1	41.3	7.7	1.7	
13–15 years	3,551	100.0	93.6	6.4	59.3	34.0	5.0	1.5	
16 years and over	4,254	100.0	95.6	4.3	65.7	29.7	3.8	*0.5	
45–54 years of age									
All educational levels ³	22,970	100.0	82.0	18.0	40.1	41.5	13.3	4.6	
No education	131	100.0	44.9	55.1	*22.9	*20.6	35.1	*19.1	
1–8 years	3,497	100.0	63.8	36.2	23.0	40.5	25.1	10.9	
9-11 years	3,735	100.0	75.0	25.0	30.3	44.4	18.7	6.1	
12 years	9,250	100.0	86.7	13.3	42.3	44.0	10.2	3.0	
13–15 years	2,757 3,190	100.0 100.0	88.5 93.3	11.5 6.7	48.9 58.7	39.3 33.9	9.0 5.2	2.5 1.5	
To years and over the second s	3,130	100.0		0.7	30.7	33.3	5.2	1.5	
55-64 years of age									
All educational levels ³	20,432	100.0	74.2	25.8	31.9	41.9	18.1	7.6	
No education	170	100.0	48.2	51.8	*10.0	37.1	23.5	27.1	
1–8 years9–11 years	4,696 3,328	100.0 100.0	57.1 69.2	42.9 30.8	19.9 26.1	36.8 42.7	27.4 22.7	15.2 7.9	
12 years	3,326 7,498	100.0	81.1	18.9	33.7	42.7 47.2	14.4	4.5	
13-15 years	2,206	100.0	84.7	15.3	45.6	38.8	11.6	3.7	
16 years and over	2,075	100.0	87.5	12.5	50.0	37.1	9.1	3.4	

Table 4. Number of persons 17 years of age and over by age and years of completed education and percent distribution of persons 17 years of age and over by respondent-assessed health status, according to age and years of completed education: United States, 1978—Con.

	All	Respondent-assessed health status								
Age and years of completed education	persons 17 years of age and over	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor		
65 years of age and over	Number in thousands	Percent distribution ¹			Percent distribution ²					
All educational levels ³	22,788	100.0	69.7	30.3	28.0	41.1	21.5	8.5		
No education	489	100.0	49.6	50.4	15.7	33.3	24.1	25.8		
1-8 years	9,371	100.0	62.5	37.5	21.2	41.0	26.2	11.1		
9-11 years	3,446	100.0	69.2	30.8	27.3	41.4	23.6	7.0		
12 years	4,874	100.0	78.3	21.7	33.9	43.7	16.6	4.9		
13–15 years	1,989	100.0	78.1	21.9	36.7	41.0	17.1	4.7		
16 years and over	1,809	100.0	84.4	15.7	44.6	39.0	11.2	4.3		

¹ Excludes persons with health status not assessed.

NOTE: The appropriate relative standard errors of the estimates shown in this table are found in appendix I, figures I and II.

² Includes persons with health status not assessed.

³Includes persons with unknown years of completed education.

Table 5. Number of persons 17 years of age and over by family income and years of completed education and percent distribution of persons 17 years of age and over by respondent-assessed health status, according to family income and years of completed education: United States, 1978

[Data are based on household interviews of the civilian noninstitutionalized population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

	All persons 17 years of age and over	Respondent-assessed health status							
Family income and years of completed education		All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor	
	Number in						·		
All family incomes	thousands	Percent distribution ¹			Pe	rcent dist	ribution ²		
All educational levels	154,817	100.0	84.6	15.4	44.3	39.9	11.6	3.7	
No education	1,041	100.0	53.5	46.4	18.9	33.6	23.4	22.1	
I –8 years	22,486	100.0	64.2	35.8	22.7	41.2	24.7	10.9	
9–11 years	25,742	100.0	80.4	19.6	36.6	43.5	15.5	4.0	
2 years	57,429	100.0	88.9	11.1	46.3	42.3	8.9	2.2	
3-15 years	24,235	100.0	91.8	8.2	55.0	36.6	6.6	1.5	
6 years and over	20,937	100.0	94.1	5.9	61.7	32.0	4.7	1.2	
Jnknown	2,947	100.0	76.1	23.9	33.9	39.9	15.6	7.6	
Under \$5,000									
All educational levels	18,404	100.0	68.4	31.6	29.5	38.5	21.2	10.2	
No education	416	100.0	47.3	52.7	17.1	30.0	26.9	25.2	
-8 years	6,187	100.0	54.6	45.4	18.5	35.7	27.8	17.3	
9-11 years	3,885	100.0	67.1	32.9	27.3	39.5	24.6	8.2	
2 years ,	4,252	100.0	77.7	22.3	34.5	42.8	16.4	5.8	
3-15 years,	2,432	100.0	86.3	13.7	46.9	39.1	10.8	2.8	
6 years and over	905	100.0	88.5	11.5	51.0	36.5	8.3	*3.1	
Unknown	326	100.0	61.4	38.9	23.9	36.5	23.3	15.0	
\$5,000-\$9,999									
All educational levels	26,384	100.0	77.7	26.8	34.3	43.2	16.4	5.8	
No education	260	100.0	54.1	45.9	18.5	35.4	19.2	26.5	
-8 years	6,332	100.0	62.8	37.2	21.2	41.4	25.9	11.2	
9-11 years	5,608	100.0	75.3	24.7	30.3	44.7	19.2	5.5	
2 years	9,025	100.0	84.3	15.7	37.4	46.6	12.3	3.4	
3-15 years	3,055	100.0	88.2	11.8	47.5	40.5	8.9	2.9	
6 years and over	1,763	100.0	92.5	7.5	58.6	33.5	5.9	*1.6	
Jnknown	342	100.0	72.5	27.5	26.0	44.4	19.6	*7.6	
\$10,000\$14,999									
All educational levels,	25,990	100.0	86.4	12.6	44.1	42.0	10.7	2.8	
No education	101	100.0	49.5	50.5	*20.8	*27.7	*22.8	*26.7	
-8 years	. 3,281	100.0	71.8	28.2	25.9	45.5	21.7	6.3	
9-11 years	4,589	100.0	82.8	17.2	36.8	45.8	14.1	3.0	
2 years	11,026	100.0	89.3	10.7	46.7	42.3	8.6	2.2	
3-15 years	3,826	100.0	91.3	8.7	52.4	38.6	7.0	1.7	
6 years and over	2,773	100.0	93.6	6.4	57.7	35.7	4.9	1.4	
Jnknown	395	100.0	80.8	19.2	41.8	38.2	13.7	*5.6	
\$15,000~\$24,999									
All educational levels	37,531	100.0	90.6	9.4	50.0	40.4	7.9	1.5	
No education	64	100.0	79.7	*20.3	*26.6	54.7	*17.2	*3.1	
-8 years	2,558	100.0	75.5	24.5	30.4	45.0	19.4	5.0	
)-11 years	5,661	100.0	86.9	13.1	42.0	44.7	11.4	1.6	
2 years	16,655	100.0	91.9	8.1	49.9	41.9	6.9	1.2	
3-15 years	6,618	100.0	93.2	6.8	54.9	38.2	5.7	1.0	
16 years and over	5,634	100.0	94.5	5.5	62.2	32.0	4.5	1.0	

See footnotes at end of table.

Table 5. Number of persons 17 years of age and over by family income and years of completed education and percent distribution of persons 17 years of age and over by respondent-assessed health status, according to family income and years of completed education: United States, 1978—Con. [Data are based on household interviews of the civilian noninstitutionalized population. The survey design, general qualifications, and information on the reliability of the estimates

are given in appendix I. Definitions of terms are given in appendix [1]

	All	Respondent-assessed health status							
Family income and years of completed education	persons 17 years of age and over	All health statuses	Excellent or good	Fair or poor	Excellent	Good	Fair	Poor	
\$25,000 and over	Number in thousands	Percent distribution ¹			Percent distribution ²				
All educational levels	31,071	100.0	93.2	6.8	58.7	34.2	5.7	1.1	
No education 1-8 years 9-11 years 12 years 13-15 years 10 years and over Unknown Unknown family income	*28 1,218 3,379 11,191 6,422 8,506 326	100.0 100.0 100.0 100.0 100.0 100.0	*60.7 77.8 91.2 93.2 94.6 95.4 85.4	*42.9 22.3 8.8 6.8 5.4 4.6 14.6	*39.3 34.3 52.8 55.2 64.3 65.2 50.6	*21.4 43.3 38.1 37.8 30.1 29.8 31.9	*21.4 18.1 7.5 5.7 4.6 3.9 10.7	*21.4 4.1 1.3 1.0 0.8 0.7 *3.4	
All educational levels.	15,438	100.0	80.5	19.5	36.3	43.1	14.4	4.9	
No education 1-8 years 9-11 years 12 years 13-15 years 16 years and over Unknown	171 2,909 2,620 5,281 1,882 1,357 1,218	100.0 100.0 100.0 100.0 100.0 100.0	59.7 63.8 79.1 85.9 91.0 91.0 74.8	40.3 36.2 20.9 14.1 9.0 9.0 25.2	*17.5 19.6 30.5 40.4 50.9 56.9 28.6	38.0 43.4 47.7 44.7 39.1 33.8 42.6	24.6 26.0 16.1 11.4 7.2 5.4 15.2	*12.9 9.8 4.6 2.6 *1.6 3.5 8.9	

NOTE: The appropriate relative standard errors of the estimates shown in this table are found in appendix I, figures I and II.

¹ Excludes persons with health status not assessed. 2 Includes persons with health status not assessed.

Table 6. Percent of persons 17 years of age and over assessed in fair or poor health and number of persons 17 years of age and over, by age, years of completed education, sex, race, family income, and marital status: United States, 1978

		17-44 years of age			45-64 years of age Years of completed education				65 years of age and over			
Marital status by sex, 1	All persons 17 years	Years of completed education							Years of completed education			
	of age and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
				Per	cent of pers	ons assess	ed in fair o	r poor healt	h ²			
All marital statuses ³	15.4	8.6	16.4	7.5	4.4	21.7	34.7	15.8	11.1	30.3	38.1	23.4
Married	15.1	8.2	17.6	7.3	4.0	20.0	32.6	15.0	10.1	30.9	40.0	24.2
Never married	9.2	7.3	11.8	6.4	4.6	25.8	36.6	20.6	16.2	22.8	31.6	16.1
Widowed	29.0	13.5	24.7	*10.3	*4.7	28.0	39.5	19.4	12.7	30.5	36.8	23.0
Divorced or separated	21.0	15.2	26.9	12.6	7.3	29.1	44.5	18.8	16.1	31.4	37.4	26.6
SEX												
Male												
Married	15.2	7.2	15.5	6.5	3.6	19.9	31.8	15.7	9.5	31.1	39.9	23.9
Never married	8.0	6.2	9.7	5.4	4.1	27.4	35.5	21.2	18.6	23.8	30.2	*15.4
Widowed	27.5	*5.5	*12.9	*5.4	*3.6	25.1	36.0	*12.3	*9.5	30.8	31.4	28.9
Divorced or separated	19.0	11.9	22.1	11.7	4.8	27.8	38.6	21.6	16.9	32.2	32.9	30.1
Female												
Married	15.0	9.2	19.5	7.9	4.5	20.1	33.5	14.4	11.0	30.5	40.1	24.5
Never married	10.6	8.7	14.5	7.7	5.1	24.2	37.6	20.1	14.5	22.2	32.8	16.3
Widowed	29.3	15.6	27.2	*11.8	*5.3	28.5	40.2	20.6	13.3	30.4	38.1	22.2
Divorced or separated	22.2	17.1	28.9	13.1	9.2	30.0	48.2	17.6	15.6	30.8	41.1	24.9
RACE												
White												
Married	14.3	7.6	16.6	6.8	3.8	18.8	31.4	14.3	9.8	29.7	38.6	23.7
Never married	8.0	6.1	9.9	5.3	4.2	23.4	31.9	20.7	16.8	21.6	30.7	15.4
Widowed	26.8 18.4	*8.5 12.9	*16.0 25.1	*6.4 10.3	*6.0 6.2	24.6 25.2	36.3 40.7	17.3 17.6	12.5 13.8	28.6 30.0	35.0 34.7	21.6 26.8
·	10.1	12.0	20.1	70.0	0.2	20.2	40.7	17.0	10.0	50.0	04.7	20.0
Black												
Married	24.7	15.0	24.3	13.3	7.3	33.9	41.6	27.7	16.5	47.7	51.6	41.0
Never married	15.7 42.7	13.6 23.4	18.2 *34.1	12.0 *20.4	7.4 *.	43.1	54.9 48.0	*24.4 37.4	*7.1 *17.6	34.3	*37.3	*33.3 44.9
Divorced or separated	30.0	22.7	31.1	20.4	11.1	43.5 42.6	52.9	22.3	*29.9	45.9 37.2	46.3 42.8	*26.4
•							02.0	22.0	20.0	07.2	12.0	20.7
FAMILY INCOME												
Under \$15,000												
Married	22.6	12.0	20.7	9.4	5.1	32.6	41.2	23.5	19.2	34.1	40.8	27.5
Never married	12.4	10.1	17.6	8.6	5.7	30.4	38.4	23.3	22.0	23.1	31.9	16.3
Widowed Divorced or separated	30.0 24.5	17.4 17.7	28.1 29.1	*11.9	*7.0	30.8	41.8	20.0	13.3	30.5	37.1	22.3
	24.5	17.7	29.1	13.8	9.2	34.4	47.3	20.7	23.9	33.8	37.5	30.1
\$15,000 and over		·										
Married	8.6 4.6	5.6 4.1	12.1 4.8	5.7 4.3	3.7 3.2	12.3 11.5	21.0 *21.3	10.7 *11.5	8.7 *8.3	18.2 *17.5	30.8 *41.7	15.6 *9.2
Widowed	21.3	*4.9	*10.0	*4.9	*3.2	15.0	22.8	14.5	*7.7	17.5 27.5	32.0	21.6
Divorced or separated	9.2	7.1	14.4	8.0	*3.9	13.3	*23.6	13.2	10.0	*11.8	*16.7	*10.4
					Missaali -	r of person	n in the	ndo2				
All marital statuses ³	154,817	88,627	20,406	35,807	Numbe 31,147	r of person: 43,403	s in thousai 15,556	nas∸ 16,748	10,228	22,788	9,860	12,117
Married	99,167	52,690	10,350	22,873	18,896	34,154	11,588	13,699	8,280	12,323	4,929	7,024
Never married	31,525	28,107	7,811	9,830	9,859	2,118	811	609	568	1,300	4,929 487	7,024
Widowed	11,977	564	182	224	150	3,380	1,581	1,157	569	8,033	3,934	3,760
Divorced or separated	12,148	7,266	2,063	2,880	2,241	3,751	1,576	1,282	810	1,132	510	586
Can footnotee at and of table												

See footnotes at end of table,

Table 6. Percent of persons 17 years of age and over assessed in fair or poor health and number of persons 17 years of age and over, by age, years of completed education, sex, race, family income, and marital status: United States, 1978—Con.

,			17-44 ye	ars of age			45-64 ye	ars of age		65 year	rs of age a	nd over
Marital status by sex,	All persons 17 years	Yea	rs of comp	leted educa	ntion	Yea	rs of comp	leted educa	tion	Year	s of comp education	
race, and family income	of age and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
SEX												
Male					Numbe	er of person	s in thousa	nds ²				
Married	49,738 16,914 1,924 4,502	24,791 15,437 128 2,595	4,842 4,364 *31 618	9,417 5,380 37 969	10,260 5,392 56 967	17,714 1,035 553 1,432	6,220 462 287 615	6,126 269 155 416	4,999 244 95 356	7,233 442 1,243 475	3,091 222 750 250	3,893 195 425 200
Female												
Married	49,428 14,611 10,054 7,646	27,899 12,670 436 4,671	5,508 3,446 151 1,446	13,456 4,450 187 1,911	8,637 4,468 94 1,275	16,440 1,083 2,828 2,318	5,368 348 1,295 962	7,573 340 1,002 866	3,281 324 474 454	5,090 858 6,790 657	1,839 265 3,184 260	3,131 552 3,336 385
RACE												
White												
Married	90,365 26,158 10,246 9,338	47,642 23,168 388 5,541	8,938 5,894 94 1,413	20,929 8,177 173 2,240	17,305 8,639 116 1,822	31,283 1,812 2,768 2,893	10,093 618 1,148 1,050	12,912 557 1,048 1,090	7,805 536 513 699	11,441 1,178 7,090 903	4,344 401 3,263 344	6,778 722 3,525 531
Black												
Married	7,439 4,792 1,647 2,669	4,185 4,399 171 1,622	1,266 1,807 88 627	1,732 1,523 49 603	1,103 925 *31 378	2,466 286 574 829	1;364 181 416 518	645 45 99 177	357 *30 51 107	788 107 902 218	549 75 646 159	197 *21 229 53
FAMILY INCOME												
Under \$15,000												
Married	38,642 15,428 8,430 8,279	19,256 13,318 379 4,879	5,957 3,780 146 1,579	8,775 4,244 159 2,000	4,331 5,068 71 1,256	11,037 1,197 2,267 2,498	5,810 587 1,203 1,253	3,951 307 755 860	1,117 250 286 354	8,349 913 5,783 902	3,946 373 2,981 437	4,254 506 2,662 458
\$15,000 and over												
Married	51,551 12,577 1,763 2,710	30,086 11,865 123 1,766	3,459 3,165 *20 278	12,813 4,492 41 627	13,673 4,027 62 857	19,240 555 647 833	4,332 82 180 140	8,235 183 243 295	6,520 257 209 389	2,225 156 993 112	383 36 400 *30	1,813 111 514 69

Includes persons with unknown education.
 Excludes persons with health status not essessed.
 Includes persons with unknown marital status and family income.

Table 7. Percent of persons 17 years of age and over assessed in fair or poor health and number of persons 17 years of age and over, by age, years of completed education, sex, race, family income, and usual activity: United States, 1978

		_	17-44 ye	ears of age			45-64 ye	ars of age		65 yea	rs of age a	and over
Usual activity by sex,	All persons 17 years	Yea	ars of comp	leted educa	ntion	Yea	rs of comp	leted educa	ntion	Yea	rs of comp education	
race, and family income	of age and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
			•	Perd	ent of pers	ons assess	ed in fair o	poor healt	h ²			
All usual activities ³	15.4	8.6	16.4	7.5	4.4	21.7	34.7	15.8	11.1	30.3	38.1	23.4
Working	9,4	6.9	14.1	6.5	4.0	13.9	22.3	11.4	7.9	16.4	23.9	12.4
Keeping house ⁴	22.0	13.3	24.6	9.7	5.6	27.3	41.5 *07.5	17.9	14.2	29.3	37.0	23.1 *12.1
Attending school Other	5.5 40.2	5.2 29.6	6.7 39.1	4.7 24.1	4.1 17.2	*15.4 57.5	*27.5 67.1	*7.0 49.4	*20.0 38.1	*22.1 35.6	*48.4 42.2	28.1
SEX												
Male												
Working	8.9	6.3	12.9	5.7	3.5	13.4	21.4	10.8	7.4	17.7	23.1	14.4
Attending school	4.3	4.1	4.8	4.1	3.3	*19.2	*31.6	*.	*29.0	*10.0	*22.2	*12.5
Other	39.6	30.4	37.9	24.8	20.7	57.7	65.8	50.0	39.7	33.8	40.0	27.1
Female												
Working	10.2	7.9	16.6	7.6	4.9	14.7	24.1	12.1	8.9	14,2	26.0	9.2
Keeping house ⁴	22.0	13.3	24.6	9.7	5.6	27.3	41.5	17.9	14.2	29.3	37.0	23.1
Attending school Other	6.8 43.2	6.5 27.1	8.8 43.9	5.2 22.0	5.0 *5.9	*12.5 56.4	*28.6 76.4	*9.5 46.7	*12.1 32.9	*31.9 44.6	*59.1 55.7	*11.8 33.1
	70.2	2.7,1	40.0	22.0	5.5	30.4	70.4	40.7	52.5	44.0	33.7	55.1
RACE White												
Working Keeping house ⁴	8.7	6.3	13.3	5.9	3.8	12.8	21.0	10.8	7.4 13.9	15.0 28.3	21.2 36.2	12.0 22.4
Attending school	20.2 4.7	11.2 4.5	22.0 5.6	8.3 4.0	4.7 3.8	24.4 *11.9	37.9 *24.1	16.4 *3.8	*16.9	*24.1	*50.0	*12.1
Other	38.6	27.6	38.9	22.2	15.3	56.4	66.4	49.8	37.8	33.7	40.2	27.1
Black												
Working	15.9	11.8	18.0	11.5	6.4	24.4	29.8	19.4	15.8	30.2	38.3	*20.2
Keeping house ⁴	39.5	28.7	34.8	23.3	*17.3	57.2	61.9	49.2	*24.5	41.2 *-	43.6 *-	37.6 *-
Attending school Other	9.6 50.5	9.3 35.6	11.1 39.7	*7.2 31.8	7.4 *23.5	*38.1 62.7	*36.4 68.8	*- 39.6	*60.0 *48.4	53.6	53.0	60.4
	30.5	05.0	33.7	31.0	20,0	02.7	00.0	33.0	40.4	33.0	55.5	00.4
FAMILY INCOME												
Under \$15,000												
Working Keeping house ⁴	12.6	9.3	16.5	7.8	5.2	19.9	26.5	14.6 24.6	12.5 22.0	19.1 30.5	25.4 37.4	14.3 24.1
Attending school	27.9 7.8	18.7 7.6	27.7 11.7	13.4 6.9	7.8 5.3	37.5 *19.0	47.5 *22.2	*11.1	*23.8	*19.6	*35.0	*10.5
Other	43.1	33.8	43.0	26.7	21.1	63.2	70.1	53.7	46.6	37.3	42.8	29.9
\$15,000 and over												
Working	6.6	5.0	10.0	5.3	3.5	9.8	16.4	8.8	7.0	9.3	*12.3	8.8
Keeping house ⁴	11.4	6.8	15.7	5.9	4.3	15.4	26.5	12.2	10.7	21.1	33.1	16.5
Attending school	3.2	2.9	3.1	2.9	2.3	*9.6	*14.3	*6.5	*15.0	*28.1	*72.7	*16.7
Other	29.5	18.5	24.4	18.7	*12.1	42.3	55.3	41.8	31.6	25.8	34.8	21.0
						r of person						
All usual activities ³	154,817	88,627	20,406	35,807	31,147	43,403	15,556	16,748	10,228	22,788	9,860	12,117
Working4	86,945	57,050	9,865	24,615	21,961	27,307	8,418	10,759	7,616	2,588	861 4 647	1,665
Keeping house ⁴	38,637 12,783	16,080 12,513	4,797 4,467	7,446 2,753	3,642 4,972	11,644 184	4,860 40	4,747 57	1,864 65	10,914 86	4,647 *31	5,960 *33
Other	15,998	2,728	1,206	922	4,972	4,127	2,210	1,144	659	9,142	4,302	4,437
	·				-	•	- 1					,

See footnotes at end of table.

Table 7. Percent of persons 17 years of age and over assessed in fair or poor health and number of persons 17 years of age and over, by age, years of completed education, sex, race, family income, and usual activity: United States, 1978—Con.

			17-44 ye	ars of age			45-64 ye	ars of age		65 year	rs of age a	nd over
Usual activity by sex,	All persons 17 years	Yea	rs of comp	leted educa	tion	Yea	rs of compl	eted educa	tion		s of comp education	
race, and family income	of age and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
SEX												
Male					Numbe	er of person	s in thousar	nds ²				
Working	53,058 6,573 13,250	34,279 6,456 2,090	6,525 2,344 953	13,775 1,306 687	13,610 2,649 378	17,100 78 3,507	5,622 *19 1,938	5,975 *15 962	5,150 *31 506	1,679 40 7,653	603 *9 3,692	1,028 *16 3,665
Female												
Working Keeping house ⁴ Attending school Other	33,887 38,637 6,209 2,748	22,771 16,080 6,057 638	3,340 4,797 2,123 252	10,840 7,446 1,447 234	8,352 3,642 2,323 120	10,207 11,644 106 620	2,797 4,860 *21 273	4,784 4,747 42 182	2,466 1,864 *33 152	909 10,914 47 1,490	258 4,647 *22 610	636 5,960 *17 772
RACE												
White												
Working Keeping house ⁴ Attending school Other	76,797 34,484 10,693 13,762	50,015 14,017 10,453 2,043	8,130 3,740 3,584 836	21,688 6,737 2,320 707	19,719 3,373 4,296 429	24,441 10,516 161 3,527	7,011 4,061 *29 1,786	9,983 4,513 52 1,031	7,041 1,802 59 628	2,341 9,951 79 8,193	728 3,997 *30 3,587	1,564 5,687 *33 4,250
Black												
Working Keeping house ⁴ Attending school Other	8,897 3,733 1,785 2,056	6,135 1,810 1,760 633	1,620 974 817 357	2,702 626 374 201	1,690 191 502 51	2,528 1,020 *21 560	1,307 743 *11 411	662 199 *2 93	458 49 *5 *31	234 904 *5 863	128 619 *2 672	94 258 *- 148
FAMILY INCOME												
Under \$15,000												
Working Keeping house ⁴ Attending school Other	32,475 21,135 5,973 11,002	22,271 7,818 5,863 1,772	5,579 3,260 1,718 860	9,885 3,464 1,220 584	6,619 999 2,808 279	8,736 5,415 63 2,727	4,074 3,073 *18 1,671	3,278 1,839 *18 724	1,252 444 *21 285	1,467 7,902 46 6,502	617 3,653 *20 3,429	823 4,118 *19 2,911
\$15,000 and over												
Working Keeping house ⁴ Attending school Other	46,707 13,061 5,707 2,949	30,537 6,990 5,581 628	3,351 989 2,365 197	12,874 3,514 1,306 241	14,163 2,446 1,796 174	15,469 4,720 94 932	3,299 1,135 *14 277	6,256 2,323 *31 325	5,759 1,239 40 321	701 1,351 *32 1,390	122 323 *11 394	571 985 *12 935

¹ Includes persons with unknown education.

² Excludes persons with health status not assessed.

³ Includes persons with unknown usual activity and family income.

⁴Asked only of females.

Table 8. Percent of persons 17 years of age and over assessed in fair or poor health and number of persons 17 years of age and over, by age, years of completed education, sex, race, family income, and labor force and current employment status: United States, 1978

			17-44 y	ears of age	ı		45-64 ye	ears of age		65 yea	rs of age	and over
Labor force and current employment status by	All persons 17 years	Yea	rs of comp	leted educ	ation	Yea	rs of comp	leted educ	ation	Year	rs of comp education	
sex, race, and family income	of age and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
				Perce	nt of perso	ns assesse	ed in fair o	r poor heal	th ²			
All labor force and current employment statuses ³	15.4	8.6	16.4	7.5	4.4	21.7	34.7	15.8	11.1	30.3	38.1	23.4
In the labor force	9.3 9.0 14.3 26.3	6.9 6.5 12.2 13.8	13.3 12.6 18.6 21.9	6.5 6.4 9.1 11.0	3.9 3.7 7.8 7.0	14.2 13.8 23.8 36.1	23.2 22.7 33.1 50.2	11.4 11.0 23.3 25.0	7.9 7.9 *8.8 22.2	16.5 16.7 *12.4 32.5	23.2 23.3 *20.0 39.9	12.7 12.8 *10.0 25.6
SEX												
Male												
In the labor force Currently employed Currently unemployed Not in the labor force	8.8 8.5 15.2 33.8	6.1 5.7 12.5 15.5	11.8 11.2 16.8 19.9	5.6 5.5 9.1 17.8	3.4 3.2 8.5 8.5	13.8 13.4 25.3 56.6	22.3 21.8 31.2 65.2	11.2 10.7 24.7 49.2	7.4 7.4 *10.3 43.0	17.0 17.2 *12.5 34.6	22.4 22.7 *13.8 40.5	13.6 13.5 *12.1 28.1
Female												
In the labor force	10.0 9.7 13.4 23.5	7.9 7.6 11.9 13.3	15.7 14.9 20.7 22.6	7.5 7.4 9.1 10.0	4.6 4.4 7.1 6.4	14.7 14.4 21.7 30.0	24.9 24.3 36.4 44.4	11.7 11.3 21.1 20.0	8.8 8.9 *7.4 16.7	15.6 15.8 *12.3 31.3	25.0 24.6 *33.3 39.5	11.4 11.7 *7.5 24.3
RACE												
White												
In the labor force	8.5 8.2 13.5 24.7	6.2 5.9 11.2 11.9	12.5 11.8 17.9 19.6	5.8 5.7 8.1 9.5	3.6 3.4 7.2 6.4	12.9 12.5 23.5 33.5	21.5 20.9 35.3 47.3	10.7 10.3 23.2 23.6	7.4 7.4 *6.7 21.9	15.0 15.3 *10.6 31.1	20.8 21.0 *17.6 38.5	12.1 12.2 *8.5 24.8
Black												
In the labor force	16.2 16.2 16.8 39.5	12.1 11.5 15.8 25.0	17.5 16.9 20.4 29.9	11.6 11.4 13.1 23.1	7.0 6.7 *9.8 12.0	26.0 26.3 *21.0 60.3	31.9 32.5 *23.1 66.5	20.3 20.5 *17.0 48.8	16.5 16.3 *23.8 *32.1	30.9 30.5 *50.0 47.3	35.6 35.2 *50.0 48.9	*26.0 *25.0 *50.0 44.9
FAMILY INCOME												
Under \$15,000												
In the labor force	12.5 12.0 17.5 32.2	9.3 8.6 15.5 19.3	16.4 15.6 21.2 28.2	7.9 7.5 11.6 15.4	5.2 4.7 11.4 8.6	20.7 20.1 30.1 47.2	28.0 27.4 36.8 56.0	14.6 14.1 24.7 34.6	12.9 12.7 *16.9 33.0	18.0 18.4 *11.3 34.1	24.3 24.8 *12.5 40.4	13.5 13.7 *11.1 27.0
\$15,000 and over												
In the labor force	6.4 6.3 8.9 14.0	4.8 4.7 7.0 6.9	8.4 8.2 11.2 9.7	5.3 5.3 6.4 6.0	3.3 3.2 *4.0 5.5	9.8 9.6 15.0 20.6	16.2 16.1 *20.6 33.4	9.0 8.7 21.5 16.0	6.9 7.0 *5.0 16.5	10.1 9.8 *18.2 23.7	*13.6 *12.4 *50.0 34.4	9.4 9.3 *11.1 18.9
All labor force and current												
employment statuses ³ In the labor force Currently employed Currently unemployed Not in the labor force	154,817 99,018 93,107 5,911 55,799	88,627 67,257 62,577 4,680 21,369	20,406 13,065 11,477 1,589 7,341	35,807 27,891 26,101 1,790 7,916	31,147 25,817 24,567 1,250 5,330	43,403 28,593 27,515 1,078 14,810	15,556 8,918 8,492 426 6,638	16,748 11,304 10,935 369 5,444	10,228 7,955 7,690 264 2,273	22,788 3,167 3,015 153 19,620	9,860 1,051 1,011 40 8,809	12,117 2,042 1,931 110 10,075

Table 8. Percent of persons 17 years of age and over assessed in fair or poor health and number of persons 17 years of age and over, by age, years of completed education, sex, race, family income, and labor force and current employment status: United States, 1978-Con.

			17-44 ye	ars of age-	,		45-64 ye	ars of age		65 year	s of age a	nd over
Labor force and current employment status by	All persons 17 years	Year	rs of comp	leted educ	ation	Year	s of comp	leted educa	ntion		s of comp education	
sex, race, and family income	of age and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
SEX												
Male					Numbe	r of person	s in thous:	ands ²				
In the labor force	57,649 54,786 2,863 15,429	38,357 36,189 2,168 4,594	7,981 7,119 862 1,875	14,754 14,040 715 1,049	15,303 14,752 550 1,372	17,279 16,672 607 3,456	5,724 5,449 276 1,859	6,045 5,851 194 922	5,219 5,091 128 475	2,013 1,926 88 7,380	711 682 *29 3,602	1,241 1,183 58 3,472
Female												
In the labor force Currently employed Currently unemployed Not in the labor force	41,369 38,321 3,048 40,370	28,901 26,389 2,512 16,775	5,084 4,358 726 5,466	13,137 12,061 1,075 6,867	10,515 9,814 700 3,958	11,314 10,843 471 11,354	3,194 3,043 151 4,779	5,259 5,084 175 4,522	2,735 2,599 136 1,798	1,154 1,089 65 12,240	340 329 *12 5,207	801 748 53 6,603
RACE												
White												
In the labor force	87,147 82,488 4,659 48,960	58,753 55,136 3,617 17,986	10,744 9,610 1,134 5,595	24,544 23,135 1,409 6,975	23,103 22,067 1,036 4,778	25,519 24,619 900 13,236	7,354 7,025 329 5,554	10,470 10,155 315 5,137	7,379 7,138 241 2,174	2,875 2,733 142 17,738	881 846 *34 7,472	1,930 1,824 106 9,626
Black												
In the labor force	10,442 9,283 1,159 6,105	7,420 6,432 988 2,957	2,183 1,754 429 1,605	3,092 2,740 352 814	2,029 1,836 194 408	2,744 2,582 162 1,411	1,466 1,375 91 1,013	721 674 47 246	464 443 *21 81	278 269 *8 1,737	163 159 *4 1,265	104 100 *4 396
FAMILY INCOME												
Under \$15,000												
In the labor force	38,491 35,154 3,337 32,287	27,180 24,457 2,723 10,653	7,068 5,989 1,079 4,394	11,372 10,37 4 998 3,807	8,527 7,907 621 2,199	9,425 8,925 499 7,574	4,427 4,167 261 4,425	3,511 3,353 158 2,362	1,346 1,275 71 661	1,886 1,772 115 14,061	769 737 *32 6,968	1,080 999 81 6,800
\$15,000 and over												
In the labor force Currently employed Currently unemployed Not in the labor force	52,123 50,022 2,101 16,478	35,327 33,711 1,616 8,513	4,794 4,409 385 2,128	14,509 13,846 663 3,464	15,884 15,331 553 2,734	16,024 15,562 462 5,251	3,386 3,279 107 1,348	6,527 6,356 172 2,428	5,980 5,798 182 1,395	772 750 *22 2,714	125 121 *4 724	640 623 *18 1,866

 $[\]frac{1}{2}$ Includes persons with unknown education.

² Excludes persons with health status not assessed. 3 Includes persons with unknown family income,

Table 9. Percent of persons 17 years of age and over in the labor force assessed in fair or poor health and number of persons 17 years of age and over in the labor force, by age, years of completed education, sex, race, family income, and occupation and type of occupation: United States, 1978

	All		17-44 ye	ears of age			45–64 y	ears of age		
Occupation and type of occupation	persons 17 years	Y	ears of comp	leted educat	tion	. Y	ears of comp	leted educa	tion	65 years of age
by sex, race, and family income	and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	and over
			1	Percent of pe	rsons asses	sed in fair o	or poor healt	h ²		
All occupations ³	9.3	6.9	13.3	6.5	3.9	14.2	23.2	11.4	7.9	16.5
White collar	6.8	5.1	11.4	5.9	3.9	9.9	17.8	10.4	7.2	14.2
Professional, technical, and kindred workers	5.7	4.4	*9.1	7.1	3.8	8.4	19.6	9.8	7.4	13.5
Managers and administrators, except farm	6.6	4.0	*6.4	5.0	3.2	9.5	17.3	9.3	6.7	15.1
Sales workers	7.0	5.1	11.3	4.9	3.7	10.0	17.3	9.3	6.8	14.1
Clerical and kindred workers	7.9	6.4	13.8	6.1	4.6	11.5	17.9	11.5	7.6	14.1
Blue collar	11.2	8.4	13.5	6.5	4.1	17.9	23.3	11.8	10.4	17.2
workers	9.5	6.8	10.9	6.0	4.1	14.8	20.8	10.2	9.5	13.7
transportation Transportation equipment	13.9	11.1	16.5	8.5	5.6	21.0	25.8	14.0	*11.8	18.8
operatives	9.9	6.4	11.8	3.8	*3.1	18.0	19.9	14.5	*15.4	*19.3
Laborers, except farm Farm (farmers and all types of	10.5	7.4	12.0	5.2	*2.7	22.1	27.2	*10.5	*9.8	*21.6
farmworkers)	13.5	9.1	14.8	*6.8	*3.3	17.7	26.5	11.2	*8.6	18.6
Service workers	13.1	9.3	15.0	8.2	3.9	21.3	27.4	14.8	13.6	19.5
SEX										
Male										
White collar	6.4	4.1	9.7	5.0	3.3	9.8	20.0	10.8	6.6	15.7
Blue collar	10.3	7.4	12.3	5.7	3.8	17.1	22.6	10.9	10.0	17.2
Farm and service	11.4	7.4	12.1	7.1	3.2	17.7	23.6	12.9	*10.8	18.3
Female										
White collar	7.2	5.9	12.5	6.3	4.5	10.0	14.9	10.0	8.1	12.2
Blue collar	14.9	12.3	17.3	10.0	*6.1	21.1	25.7 29.9	15.5 14.9	*13.0 *15.2	*16.7 20.3
Farm and service	14.6	10.6	16.8	8.6	4.5	23.0	29.9	14.9	15.2	20.3
RACE										
White										
White collar	6.5	4.8	11.3	5.5	3.6	9.4	17.2	9.8	6.8	13.4
Blue collar	10.4	7.7	12.8	5.8	3.7	16.8	21.7	11.7	10.4	16.4
Farm and service	11.2	8.0	13.6	6.8	3.6	17.7	25.2	11.9	*8.5	16.5
Black										
White collar	10.9	8.5	*12.2	9.5	6.6	18.6	25.5	20.0	14.1	*35.4
Blue collar	16.7	13.1	16.8	11.6	*7.8	26.0	32.4	*11.2	*11.9	*24.7
Farm and service	22.5	15.8	20.6	14.5	*6.3	31.4	32.9	28.9	*30.5	33.1
FAMILY INCOME										
Under \$15,000										
White collar	9.2	7.0	16.0	7.4	5.2	15.0	23.3	13.4	11.5	15.6
Blue collar	14.0	10.4	16.1	7.5	4.9	23.8	28.1	15.9	*17.2	19.4
Farm and service	15.8	11.5	18.0	9.2	5.1	24.1	29.9	15.1	*15.2	18.8
\$15,000 and over									_	- خ
White collar	5.3	4.1	7.4	5.0	3.3	7.6	11.2	8.4	6.5	9.5
Blue collar	8.0	6.0	8.9	5.7	3.6	12.5	17.0	9.3	8.4 *10.2	*9.9 *13.0
Farm and service	8.4	5.9	9.5	5.5	*2.9	14.8	20.5	12.1	*10.3	*13.9

See footnotes at end of table.

Table 9. Percent of persons 17 years of age and over in the labor force assessed in fair or poor health and number of persons 17 years of age and over in the labor force, by age, years of completed education, sex, race, family income, and occupation and type of occupation: United States, 1978—Con.

	All		17-44 y	ears of age			45-64 y	ears of age		
Occupation and type of occupation	persons 17 years	Y	ears of comp	leted educa	tion	Y	ears of comp	leted educa	tion	65 years of age
by sex, race, and family income	and over	All yéars ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	### April 10 ##	and over
				Num	ber of perso	ns in thous	ands ²			
All occupations ³	99,018	67,257	13,065	27,891	25,817	28,593	8,918	11,304	7,955	3,167
White collarProfessional, technical, and	49,149	33,021	2,269	11,784	18,861	14,609	1,819	6,058	6,601	1,519
kindred workers	15,364	10,835	242	1,537	9,037	4,148	194	851	3,078	381
except farm	10,581	5,995	410	2,088	3,473	4,135	689	1,603	1,808	451
Sales workers	6,266	4,074	480	1,574	2,000	1,886	325	884	664	305
Clerical and kindred workers	16,939	12,116	1,136	6,584	4,350	4,441	610	2,719	1,051	382
Blue collar	32,888	22,979	7,208	11,452	4,097	9,198	4,745	3,514		711
Craftsmen and kindred workers Operatives, except	13,364	8,809	2,109	4,642	1,977	4,257	1,839	1,845	503	299
transportation	11,214	7,939	2,907	3,966	989	3,076	1,834	1,040	152	199
operatives	3,812	2,677	912	1,263	487	1,047	545	401	65	00
Laborers, except farm Farm (farmers and all types of	4,497	3,554	1,279	1,581	643	818	526	228		88 125
farmworkers)	2,277	1,155	422	471	244	826	373	329	116	296
Service workers	12,532	8,430	2,610	3,586	2,153	3,508	1,847	1,235		594
SEX										
Male										
White collar	23,440	14,819	862	3,713	10,201	7,726	1,026	2,443	4,193	896
Blue collar	26,477	18,569	5,607	9,207	3,569	7,325	3,679	2,823	670	583
Farm and service	6,523	4,064	1,183	1,543	1,289	1,957	936	699	279	503
Female										
White collar	25,709	18,202	1,407	8,071	8,660	6,884	793	3,616	2,408	623
Blue collar	6,410	4,410	1,601	2,244	527	1,872	1,065	691	92	128
Farm and service	8,285	5,520	1,849	2,514	1,108	2,377	1,285	865	198	388
RACE										
White										
White collar	44,946	29,739	1,999	10,650	17,003	13,747	1,656	5,754	6,216	1,460
Blue collar	28,599	19,878	6,048	10,040	3,617	8,084	4,031	3,239	682	638
Farm and service	11,967	7,924	2,336	3,407	2,114	3,311	1,563	1,330	378	732
Black										
White collar	3,419	2,674	263	1,061	1,331	697	140	245	304	48
Blue collar	3,906	2,810	1,074	1,301	385	1,023	669	244		73
Farm and service	2,626	1,518	661	592	239	954	628	211	82	154
FAMILY INCOME										
Under \$15,000										
White collar	15,048	10,925	1,020	4,222	5,650	3,410	725	1,656	978	713
Blue collar	14,655	10,602	3,953	4,969	1,561	3,563	2,221	1,126	163	491
Farm and service	8,027	4,998	1,805	1,967	1,177	2,367	1,433	709	191	661
\$15,000 and over										
White collar	30,608	20,282	1,097	6,848	12,280	9,787	859	3,748	5,130	539
Blue collar	15,400	10,645	2,551	5,712	2,333	4,634	1,962	2,076		121
Farm and service	5,308	3,764	971	1,704	1,061	1,437	516	646	261	108

¹ Includes persons with unknown education.

Excludes persons with health status not assessed.

3 Includes persons with unknown occupation, type of occupation, and family income.

NOTE: The appropriate relative standard errors of the estimates shown in this table are found in appendix I, figures I and II.

Table 10. Percent of persons 17 years of age and over in the labor force assessed in fair or poor health and number of persons 17 years of age and over in the labor force, by age, years of completed education, sex, race, family income, and type of employer. United States, 1978

	All		17-44 y	ears of age			45-64 y	ears of age		
Type of employer by sex,	persons 17 years	Y	ears of comp	leted educa	tion	Y	ears of comp	leted educa	tion	65 years of age
race, and family income	and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	7.9 7.7 8.1 7.9 7.0 7.5 8.1 9.2 8.9 *7.4 7.7 6.8 7.1 *10.2 17.9 *46.7 13.0 13.5 *10.2 6.8 6.9 7.3 7.955 4,301 2,168 1,345 1,345 1,345	and over
				Percent of pe	ersons asses	sed in fair o	or poor healt	h ²		
All types of employers ³	9.3	6.9	13.3	6.5	3.9	14.2	23,2	11.4	7.9	16.5
Private industry	9.2	7.0	13.5	6.4	3.8	14.5	22.7	10.8	7.7	16.8
Government	8.7 10.4	6.1 6.0	14.8 10.6	7.5 5.9	4.0 4.2	13.4 13.9	24.1 25.0	14.1 10.9		13.8 16.1
SEX										
Male										
Private industry	8.6 8.6	6.2 5.5	11.9 13.9	5.5 6.8	3.3 3.5	13.8 13.7	21.3 24.7	10.5 14.1		18.3 *11.7
Self-employed	10.4	5.7	9.4	6.2	3.6	14.0	24.7	11.1	8.1	16.1
Female										
Private industry	10.2	8.2	15.9	7.4	4.5	15.4	25.0	11.2		14.9
Government	8.8 10.6	6.7 7.0	16.2 *13.7	8.1 *5.3	4.6 *6.5	13.0 13.8	23.1 26.4	14.1 10.4		*16.5 *16.3
RACE										
White										
Private industry	8.4 7.8	6.4 5.7	12.5 15.7	5.7 7.0	3.5 3.9	13.2	21.1	10.3		15.0
Self-employed	7.8 9.8	5.7 5.5	10.3	7.0 5.4	3.9 3.7	11.5 13.2	21.3 23.9	12.5 10.7		*10.8 15.5
Black										
Private industry	16.5	12.6	18.2	11.7	6.6	26.0	31.2	18.8	*10.2	31.2
Government Self-employed	13.5 25.7	8.6 *16.5	13.2 *14.9	9.2 *17.4	5.9 *16.4	23.4 36.0	32.1 *40.5	21.9 *23.7		*30.2 *35.5
FAMILY INCOME										
Under \$15,000										
Private industry	12.3	9.4	16.6	7.7	4.8	20.6	27.2	14.0		18.0
Government	11.8 14.7	8.6 8.1	17.5 15.5	9.1 6.7	5.8 *5.1	19.8 21.9	28.6 31.3	15.9 16.4		*15.0 18.5
\$15,000 and over										
Private industry	6.4	5.0	8.6	5.3	3.2	10.0	16.9	8.1	6.8	10.8
Government	6.5	4.4	*9.7	6.1	3.2	10.1	15.1	13.1		*5.1
Self-employed	6.4	4.4	*5.3	4.6	3.9	8.2	12.8	7.1	7.3	*9.5
•				Num	ber of perso	ns in thousa	ands ²			
All types of employers ³	99,018	67,257	13,065	27,891	25,817	28,593	8,918	11,304		3,167
Private industry	71,359 15,563	50,818 10,046	10,791 937	22,320 3,016	17,359 6,035	18,777 5,162	6,559 1,001	7,612 1,946		1,764 355
Self-employed	9,425	4,445	713	1,784	1,924	4,017	1,162	1,478		962
SEX										
Male										
Private industry	41,457	29,291	6,606	11,876	10,581	11,146	4,056	3,968		1,019
Government	7,951 7,255	4,932 3,355	525 543	1,364 1,271	3,005 1,524	2,822 3,140	663 933	968 1,066		197 760
Female				·	•			•		
Private industry	29,902	21,527	4,185	10,445	6,778	7,631	2,502	3,644	1,392	744
Government	7,612	5,114	412 170	1,651	3,030 400	2,340 877	338 229	978 412		158 202
Self-employed	2,170	1,090	170	513	400	0//	223	412	230	202

Table 10. Percent of persons 17 years of age and over in the labor force assessed in fair or poor health and number of persons 17 years of age and over in the labor force, by age, years of completed education, sex, race, family income, and type of employer. United States, 1978—Con.

	All		17-44 ye	ears of age			45-64 ye	ears of age		
Type of employer by sex,	persons 17 years	Ye	ears of comp	leted educat	rion	Y	ears of comp	leted educa	rion	65 years of age
race, and family income	and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	and over
RACE										
White				Num	ber of perso	ons in thous	ands ²			
Private industry	63,050 12,952 8,914	44,717 8,279 4,182	8,948 655 664	19,850 2,369 1,672	15,656 5,217 1,822	16,777 4,366 3.804	5,377 753 1,070	7,120 1,680 1,421	4,060 1,894 1,289	1,555 306 929
Black										
Private industry	7,327 2,323 383	5,309 1,564 200	1,716 273 47	2,287 606 92	1,228 665 61	1,815 716 152	1,119 224 81	434 233 38	180 252 *30	202 43 *31
FAMILY INCOME										
Under \$15,000										
Private industry	28,536 5,482 3,401	20,859 3,830 1,653	5,837 552 353	9,076 1,253 732	5,781 2,003 557	6,503 1,447 1,281	3,245 524 575	2,403 585 445	745 319 254	1,174 206 466
\$15,000 and over										
Private industry	37,065 9,193 4,832	26,446 5,729 2,381	3,987 310 281	11,720 1,591 ⁻ 868	10,633 3,803 1,226	10,258 3,346 2,174	2,541 398 401	4,404 1,196 812	3,221 1,735 948	360 118 277

¹Includes persons with unknown education.

² Excludes persons with health status not assessed.
3 Includes persons with unknown type of employer and family income.

Table 11. Percent of persons 17 years of age and over in the labor force assessed in fair or poor health and number of persons 17 years of age and over in the labor force, by age, years of completed education, type of occupation, and industry: United States, 1978

	AII		17-44 y	ears of age			45-64 y	ears of age		
Indicates his time of accounting	persons 17 years	Υ.	ears of comp	leted educa	tion	Y	ears of comp	leted educa	tion	65 years of age
Industry by type of occupation	and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	**************************************	and over
				Percent of pe	rsons asses	sed in fair o	or poor healt	h ²		
All industries ³	9.3	6.9	13.3	6.5	3.9	14.2	23.2	11.4	7.9	16.5
Agriculture, forestry, and										
fisheries	11.8	6.9	13.4	*3.9	*2.0	17.3	27.7	9.3		18.3
Mining	10.4	7.2	*10.3	*7.6	*2.5	17.2	*25.7	*8.6		*26.7
Construction	9.2	6.4	11.2	4.8	3.6	15.3	20.9	10.1		*17.0
Manufacturing	10.7	8.4	14.8	7.8	3.6	15.4	21.7	12.4		17.5
utilities	7.8	5.5	12.3	4.2	4.0	12.3	20.6	8.7		*12.8
Trade Finance, insurance, and	8.6	6.6	11.5	5.8	4.0	13.3	21.3	10.3		16.6
real estate	6.4	4.9	*9.5	5.6	3.8	8.8	19.6	9.0		*12.4
Services and miscellaneous Public administration	9.3 8.6	6.7 5.9	15.2 16.0	7.5 6.7	4.1 3.7	14.6 13.0	28.3 17.5	12.0 15.7		16.7 *12.0
TYPE OF OCCUPATION ⁴										
White collar										
Agriculture, forestry, and										
fisheries	*5.4	*2.4	*18.2	*-	*-	*10.2	*46.2	*-		*-
Mining	*7.6	*3.5	*-	*6.1	*2.0	*13.7	*30.8	*17.4		*22.2
Construction	7.0	*3.1	*.	*4.8	*2.4	11.0	*12.6	*11.2		*34.4
Manufacturing	6.7	4.9	12.7	6.0	3.1	10.0	17.6	11.7		*19.1
utilities	6.1	4.7	*5.6	4.7	4.4	8.9	*21.5	*6.7		*5.7
Trade Finance, insurance, and	8.0	6.2	13.1	5.8	4.1	11.2	19.0	9.8		16.2
real estate	5.7	4.7	*8.0	5.4	3.9	7.5	*16.7	8.5		*11.8
Services and miscellaneous	6.2 8.2	4.8 5.9	9.5 *14.4	6.7 6.8	4.0 4.6	8.8 12.1	16.1 *12.9	9.3 15.9		13.2 *5.0
Blue collar										
Agriculture, forestry, and										
fisheries	8.1	*3.5	*7.5	*_	*2.7	*21.4	*32.9	*_	*_	*14.8
Mining	11.2	*7.6	*8.9	*8.0	*3.2	*19.9	*27.0	*7.5	*22.2	*33.3
Construction	9.7	7.1	11.9	4.8	*4.3	16.8	21.6	9.2	*10.5	*12.2
Manufacturing	12.6	10.2	15.2	8.3	4.7	18.1	22.3	12.7	14.8	*16.3
utilities	8.9	6.1	12.8	3.9	*4.0	14.6	20.7	9.1	*10.3	*20.5
Trade	9.3	6.4	9.7	5.5	*3.6	18.1	23.5	13.3		*19.8
real estate	9.4	*8.6	*10.3	*6.9	*4.9	*11.5	*13.5	*8.3	*13.3	*.
Services and miscellaneous	12.3	7.8	15.2	4.7	*3.7	22.1	33.2	14.1		*19.3
Public administration	12.1	10.0	*18.1	*9.9	*2.0	14.8	*22.0	*13.4	*3.8	*20.0
				Num	ber of perso	ns in thous	ands ²			
All industries ³	199,018	67,257	13,065	27,891	25,817	28,593	8,918	11,304	7,955	3,167
Agriculture, forestry, and	2 000	1 000	F00	650	004	1.000	450	000	470	
fisheries	3,008	1,636	569	650	391	1,038	459 105	398		333 *15
Construction	911 6,387	629 4,453	175 1,255	289 2,145	162 1,022	267 1,787	105 822	81 664		*15 147
Manufacturing	22,821	15,471	3,762	7,364	4,234	7,028	2,811	2,694		322
Transportation and public	0.000	4.040	700	0.070	4 4 4 4 5	0.040			400	
utilities	6,363	4,242	700	2,078	1,442	2,042	598	964		78
Finance, insurance, and	18,800	13,462	3,115	5,919	4,323	4,666	1,470	2,170		673
real estate	5,579	3,730	199	1,597	1,931	1,607	225	695		242
Services and miscellaneous Public administration	27,107	18,327	2,451	5,766	10,006	7,652	1,950	2,510		1,129
r wone administration	5,969	3,699	320	1,485	1,869	2,112	356	971	/66	1,58

See footnotes at end of table.

Table 11. Percent of persons 17 years of age and over in the labor force assessed in fair or poor health and number of persons 17 years of age and over in the labor force, by age, years of completed education, type of occupation, and industry: United States, 1978—Con.

	All		17-44 y	ears of age			45-64 y	ears of age		
Industry by two of accumulation	persons 17 years	Y	ears of comp	leted educat	ion	Y	ears of comp	leted educa	tion	65 years of age
Industry by type of occupation	and over	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	and over
TYPE OF OCCUPATION ⁴										
White collar				Num	ber of perso	ns in thous	ands ²			
Agriculture, forestry, and										
fisheries	279	170	*22	60	88	98	*13	35	50	*11
Mining	277	172	*8	66	98	95	*13	*23	58	*9
Construction	1,319	769	76	351	340	519	87	233	194	*32
Manufacturing	7,431	4,930	300	1,862	2,748	2,391	295	978	1,085	110
Transportation and public										
utilities	2,676	1,764	89	826	845	876	121	447	299	35
Trade	11,310	7,626	1,095	3,450	3,046	3,216	728	1,610	852	469
Finance, insurance, and										
real estate	5,039	3,452	113	1,485	1,852	1,383	102	636	640	203
Services and miscellaneous	16,683	11,617	446	2,705	8,434	4,533	312	1,376	2,800	533
Public administration	3,905	2,360	111	903	1,337	1,445	140	694	607	100
Blue collar										
Agriculture, forestry, and										
fisheries	482	344	134	130	73	112	73	*31	*8	*27
Mining	605	434	158	212	62	166	89	53	*18	*6
Construction	4,979	3,623	1,163	1,760	671	1,242	718	426	76	115
Manufacturing	14,796	10,188	3,330	5,340	1,433	4,416	2,374	1,663	318	192
Transportation and public	•	•	•	•	•	•	•	•		
utilities	3,479	2,350	588	1,216	530	1,089	453	485	116	39
Trade	4,247	3,215	1,017	1,465	690	906	466	362	52	126
Finance, insurance, and										
real estate	223	140	39	58	41	78	37	*24	*15	*5
Services and miscellaneous	3,164	2,136	632	987	491	852	394	334	105	176
Public administration	755	433	105	224	99	302	124	120	52	*20

¹ Includes persons with unknown education.
² Excludes persons with health status not assessed.

³ Includes persons with unknown occupation and industry.

⁴Excludes service workers and farmworkers and firemen.

Table 12. Percent of persons assessed in fair or poor health and number of persons, by age, years of completed education, race, family income, and geographic region: United States, 1978

				17-44 y	ears of age	·		45-64 ye	ears of age		65 year	rs of age	and over
Geographic region by	All	Under 17	Yea	rs of comp	leted educ	cation	Year	rs of comp	leted educ	ation	Year	s of comp education	
race and family income	persons	years of age	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
					Percent of	persons a	ssessed in	fair or poo	r health ²				
All geographic regions ³	12.4	4.5	8.6	16.4	7.5	4.4	21.7	34.7	15.8	11.1	30.3	38.1	23.4
Northeast	11.3	4.4	7.4	15.4	6.4	3.6	18.4	28.6	14.1	9.2	28.2	33.8	23.0
North Central	10.9	3.9	7.1	14.2	6.5	3.5	20.0	31.9	14.5	10.7	27.9	33.7	22.2
South	15.3	5.2	10.6	18.7	8.7	5.1	27.3	41.7	18.0	13.4	36.7	46.8	27.1
West	10.8	4.1	8.7	15.5	8.7	5.6	18.4	30.8	16.8	10.4	24.3	31.5	19.7
RACE													
White													
Northeast	10.6	3.6	6.3	13.4	5.8	3.1	17.2	26.9	13.5	9.1	27.7	33.0	22.7
North Central	10.3	3.6	6.3	13.5	5.6	3.1	18.7	29.9	13.9	10.4	27.1	33.2	21.2
South	14.1 10.4	4.0 4.0	9.2 8.4	16.7 15.1	7.6 8.3	4.9 5.3	25.0 17.0	40.5 28.3	16.9 15.5	12.4 10.4	34.4 23.5	45.6 30.6	26.0 19.4
West	10.4	4.0	0.4	15.1	0.3	5.3	17.0	20.3	15.5	10.4	23.5	30.6	19.4
Black													
Northeast	17.6	9.8	15.1	23.4	11.6	*7.2	30.6	41.1	23.3	*11.8	37.1	42.6	32.2
North Central	16.9	6.0	15.3	18.4	17.3	8.7	36.3	47.4	24.9	*16.8	39.9	39.7	43.7
South	20.3	9.0	16.4	24.0	13.5	6.7	40.5	45.6	29.7	25.8 *14.1	48.1	49.9	44.8 *36.4
West	17.4	*4.0	14.2	23.5	14.2	*10.0	41.5	63.6	33.9	14.1	50.0	52.2	30.4
FAMILY INCOME													
Under \$15,000													
Northeast	16.7	6.8	11.6	21.2	9.2	4.9	28.1	34.5	21.2	19.2	29.7	34.7	24.6
North Central	15.7	5.4	9.9	19.4	7.9	5.0	30.4	39.9	21.3	18.1	30.2	35.0	24.9
South	20.0 15.3	6.6 6.2	14.0 12.1	21.7 20.6	11.0 11.0	6.1 7.5	38.2 28.4	48.0 39.3	24.9 22.6	20.9· 19.1	38.8 25.3	46.7 31.0	28.8 20.7
***************************************	13.3	0.2	12.1	20.0	11.0	7.5	20.4	33.3	22.0	13.1	20.0	31.0	20.7
\$15,000 and over													
Northeast	6.3	2.5	4.5	8.6	4.4	3.1	11.2	19.8	9.5	7.2	20.3	28.1	16.5
North Central	6.0 7.5	2.6 2.6	4.8 5.9	8.5 9.3	5.3 5.8	2.4 4.5	12.3 14.4	20.9 24.3	9.6	9.2 10.4	16.5	25.2 40.2	11.1 19.4
South	7.5 6.7	2.5	5.9	8.9	6.7	4.4	11.6	18.0	12.2 12.9	7.9	24.0 21.1	39.4	17.8
								_		,,,,			
						•	ersons in t						
All geographic regions ³	213,828	59,012	88,627	20,406	35,807	31,147	43,403	15,556	16,748	10,228	22,788	9,860	12,117
Northeast	48,667	12,900	19,595	4,141	8,125	6,985	10,680	3,854	4,196	2,389	5,493	2,311	2,973
North Central	57,356	15,697	24,545	5,027	10,792	8,419	11,146	3,890	4,740	2,315	5,968	2,734	3,042
South	69,206 38,599	19,619 10,796	28,074 16,413	8,048 3,190	11,034 5,856	8,573 7,170	13,944 7,633	5,928 1,884	4,735 3,076	2,994 2,530	7,570 3,757	3,541 1,275	3,750 2,353
	55,555	. 0,, 00		0,.00	0,000	,,	,,000	.,	0,0.0	2,000	0,.0.	.,	_,000
RACE													
White													
Northeast	43,341	11,142	17,322	3,346	7,317	6,387	9,724	3,344	3,952	2,242	5,152	2,123	2,836
North Central	51,728	13,714	22,138	4,291	9,918	7,672	10,294	3,423	4,506	2,181	5,583	2,486	2,919
South	55,296 34,688	14,568 9,520	22,588 14,691	5,826 2,876	9,016 5,269	7,440 6,382	11,792 6,946	4,482 1,660	4,343 2,807	2,761 2,369	6,348 3,530	2,597 1,148	3,525 2,277
	,,	÷ ==.	,	,			÷ - *		-			•	•
Black	4.000	4 000	0.000	700	740	440	004	A +9 A	000	400	04.5	470	400
Northeast	4,862 5,396	1,630 1,926	2,026 2,267	760 724	749 861	448 632	891 830	474 463	232 231	136 119	316 372	178 241	123 119
South	13,438	4,888	5,245	2,152	1,958	1,028	2,092	1,413	381	219	1,213	940	225
West	1,999	704	839	153	339	331	342	129	123	71	114	69	*33

See footnotes at end of table.

Table 12. Percent of persons assessed in fair or poor health and number of persons, by age, years of completed education, race, family income, and geographic region: United States, 1978-Con.

				17-44 ye	ars of age			45−64 ye	65 year	65 years of age and over			
Geographic region by	All	Under 17	Year	s of compl	eted educa	ation	Year	s of compl	eted educa	Years of completed education			
race and family income	persons	years of age	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over
FAMILY INCOME													·····
Under \$15,000					Nu	mber of p	ersons in t	housands ²					
Northeast	20,862 24,270 35,246 16,529	5,531 6,178 10,046 4,374	7,704 9,770 13,509 6,850	2,205 2,471 5,057 1,729	3,273 4,222 5,144 2,540	2,120 2,983 3,129 2,494	3,966 4,042 6,322 2,669	2,072 2,028 3,729 1,023	1,395 1,572 1,804 1,101	413 397 682 514	3,662 4,279 5,368 2,637	1,714 2,130 2,869 1,023	1,860 2,081 2,367 1,572
\$15,000 and over													
Northeast	23,018 28,233 26,138 18,841	6,251 8,374 7,496 5,508	10,264 13,222 11,841 8,514	1,564 2,172 1,988 1,198	4,214 5,946 4,860 2,953	4,392 5,008 4,918 4,300	5,450 5,811 5,791 4,224	1,318 1,425 1,332 658	2,310 2,610 2,375 1,661	1,770 1,715 2,033 1,858	1,053 827 1,010 594	288 258 209 94	722 544 755 485

¹ Includes persons with unknown education.
2 Excludes persons with health status not assessed.
3 Includes persons with unknown family income.

Table 13. Percent of persons assessed in fair or poor health and number of persons, by age, years of completed education, race, family income, and place of residence: United States, 1978

				17–44 y.e	ars of age			45–64 ye	65 years of age and over						
Congress bis region by	All	Under	Year	s of comp	leted educ	ation	Year	s of compl	eted educ	ation		s of cemp education			
Geographic region by race and family income	persons	17 years of age	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over		
	Percent of persons assessed in fair or poor health ²														
All places of residence ³	112.4	4.5	8.6	16.4	7.5	4.4	21.7	34.7	15.8	11.1	30.3	38.1	23.4		
SMSA:															
In central city Outside of central	14.1	5.5	10.2	17.7	9.1	5.7	24.3	36.8	18.2	12.2	30.2	36.1	24.9		
city	9.7	3.3	6.6	13.5	6.2	3.9	17.1	28.8	13.7	10.0	27.6	35.3	22.1		
Outside of SMSA	14.3	5.0	9.7	17.7	8.1	3.8	25.1	38.0	16.6	12.0	32.8	41.7	23.6		
Nonfarm	14.4 13.3	5.2 3.2	9.9 6.7	18.2 12.2	8.3 5.9	4.0 *1.0	25.6 22.1	38.3 35.4	17.2 13.2	12.2 *10.6	32.9 32.1	42.4 36.6	23.3 26.1		
	, 0,0		017		0.0							••••			
RACE White															
SMSA:															
In central city Outside of central	12.6	4.2	8.3	15.3	7.5	5.0	20.7	32.3	16.1	11.8	28.0	34.2	23.1		
city	9.4	3.1	6.3	12.9	5.7	3.9	16.6	28.3	13.2	9.9	26.8	34.0	21.8		
Outside of SMSA	13.5	4.4	8.7	16.4	7.3	3.4	23.8	36.6	16.4	11,0	31.5	40.2	23.3		
Nonfarm	13.5	4.5	8.9	16.8	7.5	3.6	24.2	37.1	17.0	11.2	31.5	40.9	23.0		
Farm	12.8	3.0	6.6	12.5	5.6	*1.0	21.0	33.8	13.2	*9.1	31.1	35.2	26.1		
Black															
SMSA:															
in central city Outside of central	18.8	8.0	15.5	22.6	13.0	8.6	38.0	47.7	29.7	16.1	41.7	42.2	43.1		
city	14.4 22.6	6.3 9.9	12.2 20.0	18.3 25.6	13.3 17.7	*5.1 *9.4	27.7 43.3	34.2 47.9	23.4 *22.6	*14.3 *34.5	50.2 4 9.1	56.5 52.4	*37.5 *35.6		
FAMILY INCOME															
Under \$15,000															
SMSA:															
In central city Outside of central	18.4	7.4	13.7	21.4	12.0	7.4	34.6	43.8	25.6	17.9	32.3	37.1	27.4		
city	14.9	5.0	9.8	18.9	8.1	5.4	27.9	36.4	20.6	21.1	29.6	36.4	23.5		
Outside of SMSA	18.6	6.4	12.6	21.7 22.2	9.6 9.9	4.5 4.7	34.2 34.9	44.1 44.4	22.2 23.1	19.3 19.6	34.0 33.8	41.4 41.9	24.9 24.0		
Nonfarm	18.7 17.3	6.6 3.8	12.9 8.7	16.1	*6.2	*1.2	29.5	41.1	16.9	*18.1	36.1	37.1	34.0		
\$15,000 and over															
SMSA:															
in central city Outside of central	7.6	2.9	5.6	8.8	5.9	4.2	14.7	25.1	12.3	10.0	18.4	24.5	15.7		
city	6.1	2.4	4.9	8.9	5.0	3.4	11.2	19.5 19.6	10.5 10.4	7.8 9.4	21.9 20.8	33.6 34.0	18.0 14.3		
Outside of SMSA	6.7	2.6	5.6	8.8	5.8	3.3	12.4	_		9.4	20.8	34.0	14.3		
AU. 1	240.000	50.040	00 007	20.422				housands ²		10.000	00.700	0.000	10117		
All places of residence ³	213,828	59,012	88,627	20,406	35,807	31,147	43,403	15,556	16,748	10,228	22,788	9,860	12,117		
SMSA: In central city Outside of central	61,289	16,238	25,511	6,599	8,990	9,506	12,541	4,818	4,414	2,950	6,999	3,016	3,675		
city	85,152	23,739	36,438	6,359	14,986	14,575	17,427	4,982	7,173	4,966	7,548	2,890	4,387		
Outside of SMSA	67,387	19,035	26,678	7,448	11,831	7,066	13,435	5,756	5,160	2,311	8,240	3,954	4,056		
Nonfarm	61,028	17,357	24,539	6,843	10,742	6,657	11,739	5,040	4,430	2,075	7,394	3,512	3,676		
Farm	6,360	1,678	2,139	605	1,089	409	1,697	716	730	236	846	441	379		

See footnotes at end of table.

Table 13. Percent of persons assessed in fair or poor health and number of persons, by age, years of completed education, race, family income, and place of residence: United States, 1978-Con.

				17-44 years of age				45-64 ye	65 years of age and over					
Geographic region by	All	Under 17	Year	s of comp	leted educ	ation	Year	s of compl	eted educa	ation	Years of completed education			
race and family income	persons	years of age	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 12 years	12 years	More than 12 years	All years ¹	Under 9 years	9 years and over	
RACE		1			· · · · · · · · · · · · · · · · · · ·									
White					Nu	mber of p	ersons in t	housands ²						
SMSA:														
In central city Outside of central	44,872	10,573	18,872	4,329	6,605	7,691	9,676	3,251	3,682	2,502	5,750	2,200	3,296	
city	79,077	21,665	33,587	5,673	13,914	13,551	16,603	4,598	6,893	4,837	7,222	2,682	4,294	
Outside of SMSA	61,103	16,706	24,280	6,338	11,000	6,640	12,476	5,059	5,033	2,213	7,641	3,471	3,966	
Nonfarm	54,960	15,086	22,226	5,776	9,946	6,238	10,821	4,379	4,303	1,982	6,828	3,051	3,593	
Farm	6,143	1,621	2,054	562	1,055	402	1,655	679	730	232	813	420	373	
Black														
SMSA:														
In central city Outside of central	15,033	5,281	5,968	2,153	2,201	1,459	2,623	1,482	647	388	1,162	777	338	
city Outside of SMSA	4,724 5,938	1,632 2,235	2,203 2,206	586 1,050	932 773	627 352	619 913	318 678	205 115	70 87	269 584	177 475	72 90	
FAMILY INCOME														
Under \$15,000														
SMSA:														
In central city Outside of central	31,198	8,599	12,482	4,119	4,285	3,886	5,247	2,837	1,644	645	4,870	2,346	2,404	
city	29,327	7,623	11,882	2,728	5,213	3,797	5,112	2,312	1,959	774	4,710	2,048	2,569	
Outside of SMSA	36,382	9,907	13,469	4,615	5,680	3,044	6,640	3,703	2,271	587	6,366	3,342	2,907	
Nonfarm	32,987	8,991	12,431	4,267	5,165	2,881	5,780	3,259	1,931	515	5,784	3,008	2,672	
Farm	3,396	916	1,038	348	516	163	861	445	340	72	582	334	235	
\$15,000 and over														
SMSA:														
In central city Outside of central	23,761	6,100	10,961	1,826	3,991	5,070	5,761	1,382	2,235	2,063	938	216	680	
city	47,551 24,918	14,042 7,486	21,654 11,225	2,982 2,113	8,670 5,312	9,835 3,714	10,193 5,321	1,981 1,370	4,340 2,381	3,777 1,535	1,662 885	393 241	1,210 616	

¹ Includes persons with unknown education.
2 Excludes persons with health status not assessed.

³ Includes persons with unknown family income.

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I. Technical notes

Background

This report is one of a series of statistical reports prepared by the National Center for Health Statistics (NCHS). It is based on information collected in a continuing nationwide sample of households in the National Health Interview Survey (NHIS).

In this survey a questionnaire is used to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, chronic conditions, and other health topics. As data relating to each of these topics are tabulated and analyzed, separate reports that cover one or more of the specific topics are issued.

The population covered by the sample for NHIS is the civilian noninstitutionalized population of the United States. The sample does not include members of the Armed Forces or U.S. nationals living in foreign countries. It should also be noted that the estimates shown do not represent a complete measure of any given topic during the specified calendar period because data are not collected for persons who died during the reference period. For many types of statistics collected in the survey, the reference period covers the 2 weeks prior to the interview week. For such a short period, the contribution by decedents to a total inventory of conditions or services should be very small. However, the contribution by decedents during a long reference period (for example, 1 year) might be sizable, especially for older persons.

Statistical design of the National Health Interview Survey

General plan

The sampling plan of the survey is based on a multistage probability design that permits a continuous sampling of the civilian noninstitutionalized population of the United States. The sample is designed in such a way that the sample of households interviewed each week is representative of the target population and that weekly samples are additive over time. This feature of the design permits both continuous measurement of characteristics of samples and more detailed analysis of less common characteristics and smaller categories of health-related items. The continuous collection has administrative and operational advantages as well as technical assets because it permits fieldwork to be handled by an experienced, stable staff.

The overall sample was designed so that tabulations can be provided for each of the four major geographic regions and for selected places of residence in the United States.

The first stage of the sample design consists of drawing a sample of 376 primary sampling units (PSU's) from approximately 1,900 geographically defined PSU's. A PSU consists of a county, a small group of contiguous counties, or a standard metropolitan statistical area. The PSU's collectively cover the 50 States and the District of Columbia.

With no loss in general understanding, the remaining stages can be combined and treated in this discussion as an ultimate stage. Within PSU's, then, ultimate stage units, called segments, are defined in such a manner that each segment contains an expected six households. Three general types of segments are used:

- 1. Area segments, which are defined geographically.
- 2. List segments, using 1970 census registers as the frame.
- 3. Permit segments, using updated lists of building permits issued in sample PSU's since 1970.

Census address listings were used for all areas of the country where addresses were well defined and could be used to locate housing units. In general, the list frame included the larger urban areas of the United States, from which about two-thirds of the NHIS sample households were selected.

The usual NHIS sample consists of approximately 12,000 segments containing about 50,000 assigned

households, of which 9,000 were vacant, demolished, or occupied by persons not in the scope of the survey. The 41,000 eligible occupied households yield a probability sample of about 120,000 persons.

Descriptive material has already been published^{8,9} on data collection, field procedures, and questionnaire development in the NHIS; a detailed description of the sample design¹⁰ and a report on the estimation procedure and the method used to calculate sampling errors of estimates derived from the survey¹¹ have also been published.

Collection of data

Field operations for the survey are performed by the U.S. Bureau of the Census under specifications established by NCHS. In accordance with these specifications the Bureau of the Census participates in survey planning, selects the sample, and conducts the field interviewing as an agent of NCHS. The data are coded, edited, and tabulated by NCHS.

Estimating procedures

Because the design of NHIS is a complex multistage probability sample, it is necessary to use complex procedures in the derivation of estimates. Four basic operations are involved:

- 1. Inflation by the reciprocal of the probability of selection.—The probability of selection is the product of the probabilities of selection from each step of selection in the design (PSU, segment, and household).
- Nonresponse adjustment.—The estimates are inflated by a multiplication factor that has as its numerator the number of sample households in a given segment and as its denominator the number of households interviewed in that segment.
- 3. First-stage ratio adjustment.—Sampling theory indicates that the use of auxiliary information that is highly correlated with the variables being estimated improves the reliability of the estimates. To reduce the variability between PSU's within a region, the estimates are ratio adjusted to the 1970 populations within 12 race-residence classes.
- 4. Poststratification by age-sex-race. The estimates are ratio adjusted within each of 60 age-sex-race cells to an independent estimate of the population of each cell for the survey period. These independent estimates are prepared by the U.S. Bureau of the Census. Both the first-stage and poststratified ratio adjustments take the form of multiplication factors applied to the weight of each elementary unit (person, household, condition, and hospitalization).

The effect of the ratio-estimating process is to make the sample more closely representative of the civilian noninstitutionalized population by age, sex, race, and residence, which thereby reduces sampling variance.

As noted, each week's sample represents the population living during that week and characteristics of the population. Consolidation of samples over a time period (for example, a calendar quarter) produces estimates of average characteristics of the U.S. population for the calendar quarter. Similarly, population data for a year are averages of the four quarterly figures.

For prevalence statistics, such as number of persons with speech impairments or number of persons classified by time interval since last physician visit, figures are first calculated for each calendar quarter by averaging estimates for all weeks of interviewing in the quarter. Prevalence data for a year are then obtained by averaging the four quarterly figures.

For other types of statistics—namely those measuring the number of occurrences during a specified time period—such as incidence of acute conditions, number of disability days, or number of visits to a doctor or dentist, a similar computational procedure is used, but the statistics are interpreted differently. For these items, the questionnaire asks for the respondent's experience over the 2 calendar weeks prior to the week of interview. In such instances the estimated quarterly total for the statistic is 6.5 times the average 2-week estimate produced by the 13 successive samples taken during the period. The annual total is the sum of the four quarters. Thus the experience of persons interviewed during a year-experience that actually occurred for each person in a 2-calendar-week interval prior to week of interview—is treated as though it measured the total of such experience during the year. Such interpretation leads to no significant bias.

General qualifications

Nonresponse

Data were adjusted for nonresponse by a procedure that imputes to persons in a household who were not interviewed the characteristics of persons in households in the same segment who were interviewed.

Interview process

The statistics presented in this report are based on replies obtained in interviews with persons in the sample households. Each person 19 years of age and over present at the time of interview was interviewed individually. For children and for adults not present in the home at the time of the interview, the information was obtained from a related household member such as a spouse or the mother of a child.

There are limitations to the accuracy of diagnostic and other information collected in household interviews.

For diagnostic information, the household respondent can usually pass on to the interviewer only the information the physician has given to the family. For conditions not medically attended, diagnostic information is often no more than a description of symptoms. However, other facts, such as the number of disability days caused by the condition, can be obtained more accurately from household members than from any other source, because only the persons concerned are in a position to report this information.

Rounding of numbers

The original tabulations on which the data in this report are based show all estimates to the nearest whole unit. All consolidations were made from the original tabulations using the estimates to the nearest unit. In the final published tables, the figures are rounded to the nearest thousand, although these are not necessarily accurate to that detail. Devised statistics such as rates and percent distributions are computed after the estimates on which these are based have been rounded to the nearest thousand.

Population figures

Some of the published tables include population figures for specified categories. Except for certain overall totals by age, sex, and race, which are adjusted to independent estimates, these figures are based on the sample of households in the NHIS. These are given primarily to provide denominators for rate computation, and for this purpose are more appropriate for use with the accompanying measures of health characteristics than other population data that may be available. With the exception of the overall totals by age, sex, and race, the population figures differ from figures (derived from different sources) published in reports of the U.S. Bureau of the Census. Official population estimates are presented in U.S. Bureau of the Census reports in Series P-20, P-25, and P-60.

Reliability of estimates

Because the statistics presented in this report are based on a sample, they will differ somewhat from the figures that would have been obtained had a complete census been taken using the same schedules, instructions, and interviewing personnel and procedures.

As in any survey, the results are also subject to reporting and processing errors and errors due to nonresponse. To the extent possible, these types of errors were kept to a minimum by methods built into survey procedures. ¹² Although it is very difficult to measure the extent of bias in the NHIS, a number of studies have been conducted to study this problem. The results have been published in several reports. ^{13–16}

NOTE: A list of references follows the text.

The standard error is primarily a measure of sampling variability; that is, the variations that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the standard error also reflects part of the variation that arises in the measurement process. It does not include estimates of any biases that might be in the data. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete ceusus by less than the standard error. The chances are about 95 out of 100 that the difference would be less than twice the standard error and about 99 out of 100 that it would be less than 2½ times as large.

Standard error charts

The relative standard error of an estimate is obtained by dividing the standard error of the estimate by the estimate itself and is expressed as a percent of the estimate. For this report, asterisks are shown for any cell with more than a 30-percent relative standard error. Included in this appendix are graphs from which the relative standard errors can be determined for estimates shown in the report. To derive relative errors applicable to a wide variety of health statistics and at moderate cost, a number of approximations were required. As a result, the graphs provide an estimate of the relative standard error rather than the precise error for any specific aggregate or percent.

Three classes of statistics for the health survey are identified for purposes of estimating variances:

- 1. Narrow range. This class consists of (1) statistics that estimate a population attribute; for example, the number of persons in a particular income group, and (2) statistics for which the measure for a single individual during the reference period used in data collection is usually either 0 to 1, and, on occasion, may take on the value 2, or, very rarely, 3.
- 2. Medium range.—This class consists of other statistics for which the measure for a single individual during the reference period used in data collection will rarely lie outside the range 0 to 5.
- 3. Wide range.—This class consists of statistics for which the measure for a single individual during the reference period used in data collection can range from 0 to a number in excess of 5; for example, the number of days of bed disability.

In addition to classifying variables according to whether they are narrow, medium, or wide range, statistics in the survey are further classified as to whether they are based on a reference period of 2 weeks, 6 months, or 12 months.

Determination of relative standard errors

The following rules will enable the reader to determine approximate relative standard errors from the

graphs for estimates presented in this report. These graphs represent standard errors of NHIS data. They should be used in preference to the charts in all previous Series 10 publications.

- 1. Estimates of aggregates: Approximate relative standard errors for estimates of aggregates such as the number of persons with a given characteristic are obtained from figure I. The number of persons in the total U.S. population or in an age-sex-race class of the total population is adjusted to official U.S. Bureau of the Census figures and is not subject to sampling error.
- 2. Estimates of percent in a percent distribution: Relative standard errors for percent in a percent distribution of a total are obtained from appropriate curves, figure II. For values that do not fall on one of the curves presented, visual interpolation will provide a satisfactory approximation.
- 3. Estimates of rates when the numerator is a subclass of the denominator: This rule applies for prevalence rates or when a unit of the numerator occurs, with few exceptions, only once in the year for any one unit in the denominator. For example, in computing the rate of visual impairments per 1,000 population, the numerator consisting of persons with the impairment is a subclass of the denominator, which includes all persons in the population. Such rates, if converted to rates per 100, may be

treated as though they were percents and the relative standard errors obtained from the percent graphs for population estimates. Rates per 1,000, or on any other base, must first be converted to rates per 100; then the percent chart will provide the relative standard error per 100.

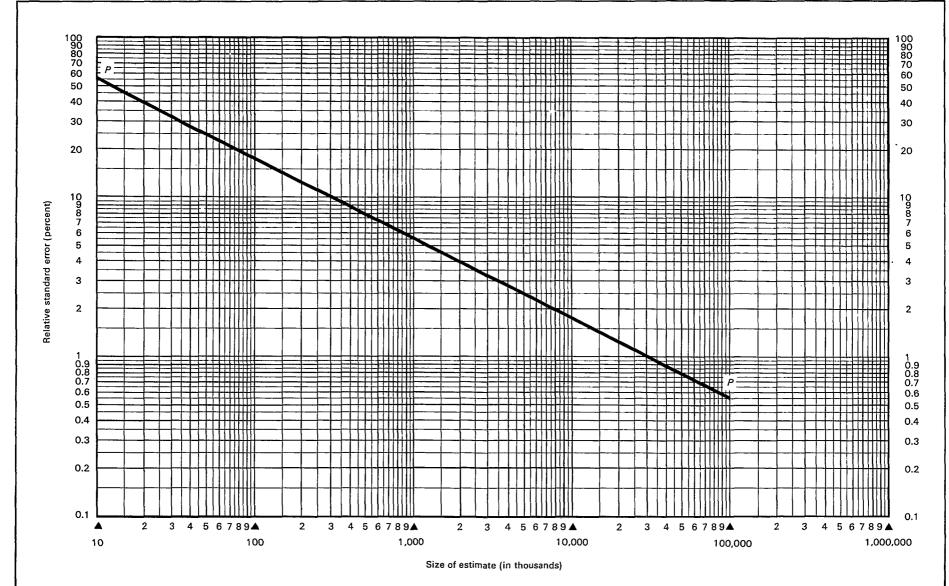
4. Estimates of difference between two statistics (such as mean, rate, and total): The standard error of a difference is approximately the square root of the sum of the squares of each standard error considered separately. A formula for the standard error of a difference

$$d = X_1 - X_2$$

is

$$\sigma_d = \sqrt{(X_1 V_{x1})^2 + (X_2 V_{x2})^2}$$

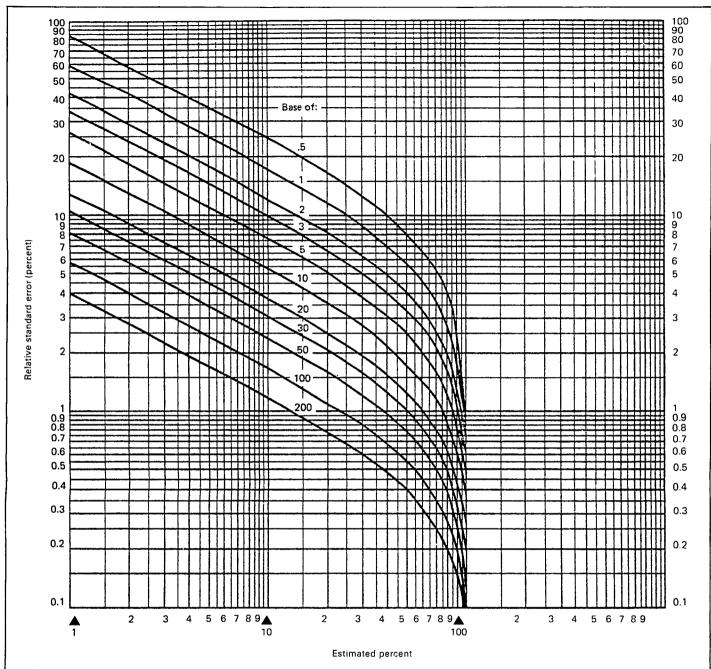
where X_1 is the estimate for class $1, X_2$ is the estimate for class 2, and V_{x1} and V_{x2} are the relative errors of X_1 and X_2 , respectively. This formula will represent the actual standard error quite accurately for the difference between separate and uncorrelated characteristics, although it is only a rough approximation in most other cases. The relative standard error of each estimate involved in such a difference can be determined by one of the three rules above, whichever is appropriate.



¹This curve represents estimates of relative standard errors based on 4 quarters of data collection for narrow range estimates of population characteristics or narrow range estimates of aggregates using a 12-month reference period.

Example of use of chart: An estimate of 10,000,000 persons with annual family income of \$15,000 or more, or 10,000,000 persons who were hospitalized one or more times in the past year (on scale at bottom of chart) has a relative standard error of 1.7 percent (read from scale at left side of chart), or a standard error of 170,000 (1.7 percent of 10,000,000).

Figure I. Relative standard errors for population characteristics1



¹These curves represent estimates of relative standard errors of percents of population characteristics based on 4 quarters of data collection for narrow range estimates.

NOTE: Base of percent shown on curves in millions

Example of use of chart: An estimate of 20 percent (on scale at bottom of chart) based on an estimate of 10,000,000 has a relative standard error of 3.6 percent (read from the scale at the left side of chart), the point at which the curve for a base of 10,000,000 intersects the vertical line for 20 percent. The standard error in percent is equal to 20 percent. X 3.6 percent, or 0.72 percent.

Figure II. Relative standard errors of percents of population characteristics¹

II. Definitions of terms

Age.—Age is recorded as of the person's last birthday. Race.—Race is recorded according to interviewers' observations of whether a person is "white," "black," or "other."

Education.—The categories of educational status show the years of school completed. Only years completed in regular schools where persons are given a formal education are included. A "regular" school is one that advances a person toward an elementary or high school diploma or a college, university, or professional school degree. Thus education in vocational, trade, or business schools outside the regular school system is not counted in determining the highest grade of school completed.

Income of family or of unrelated individuals.— Each member of a family is classified according to the total income of the family of which he is a member. Within the household all persons related to each other by blood, marriage, or adoption constitute a family. Unrelated individuals are classified according to their own income. The income recorded is the total of all income received by members of the family (or by an unrelated individual) in the 12-month period preceding the week of interview. Income from all sources is included; for example, wages, salaries, rents from property, pensions, and help from relatives.

Usual activity.—All persons in the population are classified according to their usual activity during the 12-month period prior to the week of interview. The "usual" activity, in case more than one is reported, is the one at which the person spent the most time during the 12-month period. Children under 6 years of age are classified as "preschool." All persons aged 6–16 years are classified as "school age."

The categories of usual activity used in this report for persons aged 17 years and over are usually working, usually going to school, usually keeping house, retired, and other activity. For several reasons these categories are not comparable with somewhat similarly named categories in official Federal labor force statistics. First, the responses concerning usual activity are accepted

without detailed questioning because the objective of the question is not to estimate the numbers of persons in labor force categories but to identify roughly certain population groups that may have differing health problems. Second, the figures represent the usual activity status over the period of an entire year, whereas official labor force statistics relate to a much shorter period, usually 1 week. Third, the minimum age for usually working persons is 17 in the National Health Interview Survey (NHIS), and the official labor force categories include all persons aged 14 or older. Finally, in the definitions of specific categories that follow, certain marginal groups are classified differently to simplify procedures.

- Usually working includes persons 17 years of age or older who are paid employees; persons selfemployed in their own businesses, professions, or in farming; or unpaid employees in a family business or in farming. Work around the house or volunteer or unpaid work such as for a church is not counted as working.
- Usually going to school includes persons 17 years of age or older whose major activity is going to school.
- Usually keeping house consists of female persons 17 years of age or older whose major activity is described as "keeping house" and who cannot be classified as "working."
- Retired includes persons 45 years old and over who consider themselves retired. In case of doubt, a person 45 years of age or older is counted as retired if he or she has either voluntarily or involuntarily stopped working, is not looking for work, and is not described as "keeping house." A retired person may or may not be able to work.
- Other activity includes all persons 17 years of age or older not classified as "working," "retired," or "going to school," and females 17 years of age or older not classified as "keeping house."

In labor force.—All persons 17 years of age and older who worked at or had a job or business or were looking for work or on layoff from work during the 2-week period prior to the week of interview are in the labor force. The labor force consists of persons currently employed and those currently unemployed as defined below.

employed includes persons 17 years of age and over who reported that at any time during the 2-week period covered by the interview they either worked at or had a job or business. Current employment includes paid work as an employee of someone else; self-employment in business, farming, or professional practice; and unpaid work in a family business or farm. Persons who were temporarily absent from a job or business because of a temporary illness, vacation, strike, or bad weather are considered currently employed if they expected to work as soon as the particular event causing the absence no longer existed.

Freelance workers are considered currently employed if they had a definite arrangement with one employer or more to work for pay according to a weekly or monthly schedule, either full time or part time.

Excluded from the currently employed population are persons who have no definite employment schedule but work only when their services are needed. Also excluded from the currently employed population are (1) persons receiving revenue from an enterprise but not participating in its operation; (2) persons doing housework or charity work for which they receive no pay; (3) seasonal workers during the portion of the year they were not working; and (4) persons who were not working, even though having a job or business, but were on layoff or looking for work.

The number of currently employed persons estimated from NHIS will differ from the estimates prepared from the Current Population Survey (CPS) of the U.S. Bureau of the Census for several reasons. In addition to sampling variability, these surveys contain three primary conceptual differences: (1) NHIS estimates are for persons 17 years of age and over, while CPS estimates are for persons 16 years of age and over; (2) NHIS uses a 2-week reference period, while CPS uses a 1-week reference period; (3) NHIS is a continuing survey with separate samples taken weekly, while CPS is a monthly sample taken for the survey week that includes the 12th of the month.

 Currently unemployed includes persons 17 years of age and over who during the 2-week period prior to interview did not work or had no job or business but were looking for work and those who had a job but were on layoff or looking for work. Not in labor force. —Persons not in the labor force are all persons under 17 years of age and other persons who did not at any time during the 2-week period covered by the interview have a job or business, were not looking for work, and were not on layoff from a job. In general, persons excluded from the labor force are children under 17, retired persons, physically handicapped persons unable to work, and housewives or charity workers who receive no pay.

Types of employer.—Persons in the labor force are classified according to type of employer as follows:

- Private paid workers are persons working for a private employer for wages, salary, or commissions. This includes compensation by tips; piece rates or pay in kind; and wages or salary from settlement houses, churches, unions, and other nonprofit organizations.
- Government workers are persons who work for any branch of the Federal Government including employees of Government-owned bus lines and utilities, civilian employees of the Armed Forces, and persons elected to Federal offices, or persons who work for any branch of government other than the Federal Government; for example, State, city, or county. Included in this group are civilian employees of the National Guard, persons elected to paid offices, employees of international organizations such as the United Nations, and employees of foreign governments.
- Self-employed workers are persons working for profit or fees in their own business, farm, shop, or office. "Own business" includes persons who have their own tools or equipment and provide services on a contract, subcontract, or job basis. Officers of corporations are not classified as owning their own business, even though they do own all or part of the corporation stock; such persons are considered as "private paid." A person who operates a farm for himself, regardless of whether he owns or rents the land, is considered self-employed.
- Other class of worker includes (1) persons not paid for work, (2) persons who have never worked in the past but have a job or business that will begin in the near future, (3) persons who have not worked in the past but are presently looking for work, and (4) persons for whom no information as to class of worker is available.

Marital status. —Marital status is recorded only for persons 17 years of age or older. The marital status categories in this report are as follows:

- Married includes all married persons not separated from their spouses. Persons with common-law marriages are considered married.
- Never married includes persons who were never married and persons whose only marriage was annulled.

- Separated includes married persons who have a legal separation or who have parted for other reasons. This does not include persons separated from their spouses because of the circumstances of their employment or service in the Armed Forces; these persons are considered married.
- Widowed and divorced include, respectively, all persons who said they were either widowed or legally divorced.

Geographic region.—For the purpose of classifying the population by geographic area, the States are grouped into four regions. These regions, which correspond to those used by the U.S. Bureau of the Census, are as follows:

Region	States included								
Northeast	Maine, New Hampshire, Vermont, Massa- chusetts, Rhode Island, Connecticut, New								
North Central	York, New Jersey, Pennsylvania Michigan, Ohio, Indiana, Illinois, Wiscon-								
	sin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Kansas, Nebraska								
South	Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina,								
	South Carolina, Georgia, Florida, Kentucky, Texas, Tennessee, Alabama, Mis-								
	sissippi, Arkansas, Louisiana, Oklahoma								
West	Montana, Idaho, Wyoming, Colorado, New								
	Mexico, Arizona, Utah, Nevada, Wash-								
	ington, Alaska, Oregon, California, Hawaii								

Place of residence.—The place of residence of a member of the civilian noninstitutionalized population is classified as inside a standard metropolitan statistical area (SMSA) and either as central city or not central city or outside an SMSA and as either farm or nonfarm.

Standard metropolitan statistical areas.—The definitions and titles of SMSA's are established by the U.S. Office of Management and Budget with the advice of the Federal Committee on Standard Metropolitan Statistical Areas.

The definition of an individual SMSA involves two considerations: first, a city or cities of specified population that constitute the central city and identify the county in which it is located as the central county;

second, economic and social relationships with contiguous counties (except New England) that are metropolitan in character so that the periphery of the specific metropolitan area may be determined. SMSA's are not limited by State boundaries. In New England SMSA's consist of towns and cities, rather than counties. The metropolitan population in this report is based on SMSA's as defined in the 1970 census and does not include any subsequent additions or changes.

Central cities.—Each SMSA must include at least one central city. The complete title of an SMSA identifies the central city or cities. If only one central city is designated, then it must have 50,000 or more inhabitants. The area title may include, in addition to the largest city, up to two city names on the basis and in the order of the following criteria: (1) the additional city has at least 250,000 inhabitants or (2) the additional city has a population of one-third or more of that of the largest city and a minimum population of 25,000. An exception occurs where two cities have contiguous boundaries and constitute, for economic and social purposes, a single community of at least 50,000, the smaller of which must have a population of at least 15,000.

Farm and nonfarm residence.—The population residing outside the SMSA's is subdivided into the farm population, which comprises all non-SMSA residents living on farms, and the nonfarm population, which comprises the remaining outside SMSA population. The farm population includes persons living on land of 10 acres or more from which sales of farm products amounted to \$50 or more during the previous 12 months or on land of less than 10 acres from which sales of farm products amounted to \$250 or more during the preceding 12 months. Other persons living outside an SMSA were classified as nonfarm if their household paid rent for the house but their rent did not include any land used for farming.

Sales of farm products refer to the gross receipts from the sale of field crops, vegetables, fruits, nuts, livestock, livestock products (such as milk and wool), poultry, poultry products, nursery, and forest products produced on the land and sold at any time during the preceding 12 months.

III. Relevant parts of 1978 questionnaire and cards used in the survey

	What is the name of the head of this household? — Enter name in first column	la.	First name		AGE
	What are the names of all other persons who live here? - List all persons who live here. Yes * No	l	(1)	AGE
c.	i have listed (Read names). Is there anyone else staying here now, such as friends, relatives, or roomers?	ŀ			
a.	Have I missed anyone who USUALLY lives here but is now away from home?	l			RACE
•	Do any of the people in this household have a home anywhere else?		Last name		1 W
۱ ،	*Apply household membership rules. Are any of the persons in this household now on full-time				2 B
	active duty with the Armed Forces of the United States? Y Col(s)(Delete) 2 N				3 ОТ
	tow is related to (Head of household)?	2.	Relationship	D	SEX
	,				1 M
			HEAD	2 F	
		3.		Date	Year
3. \	What is's date of birth? (Enter date and Age, and circle Race and Sex)				
L	Ask Condition list		BED DAYS	DV ☐ None	HOSP.
	1. Record the number of Bed Days, Doctor Visits, and Hospitalizations		(NP)	(NP)	(NP)
\mathbf{C}	, , ,		(NP)	(NP)	(NP)
C	•				
	2. Record each condition in the person's column, with the question number(s) where it was reported.		Q. No.	Conditi	on
	Reference dates				
	2-week period,				$\overline{}$
	12-month Bed Days		 		
	and Doctor visit				
	probe		1 1		
	Hospital probe				_
		1485000		0.07 (0.00 (0	
7. 1	s —— now married, widowed, divorced, separated, or never married?	4.	ı –	rced	
	19a. What was —— doing MOST OF THE PAST 12 MONTHS — (For males): working ur doing something else?	19,	<u> </u>		
Δ.,	If "something else," ask: (For females): keeping house, working, or doing b. What was — doing? something else?	& 20.		king <i>(24a)</i> ping house	(24b)
17)co		_	ired, health ired, other	
	d. If "retired," ask: Did he retire because of his health?			irea, other ng to schoo	
Ag 6-			1 —	something 6 somethin	
Ag		ļ	0 I -5	years (21) ler I (22)	
		!	 		
33. Co	mpared to other persons ——'s age, would you say that his health is excellent, good, fair, or poor?	33.	1 E 2 (G 3 F	4 P

			 			
Mark box or			00 No	der 17 (NP)		
10a. What is the h	10a.					
			Elem:			
			High:	9 10 11	12	
			Colle	ge: 1234.	5 6+	
b. Did finis	h the grade (year)?	ь.	1 Y	2 N		
		/ * (4)			Philips 1	
Hand Card R Mark box or	ask:	110.		ider 17 (NP)		
	me the number of the group or groups which ''s racial background.	' · · · ·	"	idel 17 (Mr.)		
Circle all the	at apply.		12	3 4 5 7		
	Alaskan Native or American Indian			·		
	- Asian or Pacific Islander - Black					
4	- White			(Specify)		
5 -	Another group not listed - Please specify.	<u>L</u>	L	(opecity)		
If multiple e	ntries ask:		1 2	3 4 5 7		
b. Which of the	se groups; that is, (entries in 11a) would you say BEST describes's racial background?	ь.		,		
		<u> </u>		(Specity)		
Mark box or as		Π		ler 17 (NP)		
13a. Did work a	t any time last week or the week before — not counting work around the house?	130.	1 Y (14			
b. Even though -	- did not work during these 2 weeks, does he have a job or business?	Ь.	1 Y	2 N		
c. Was he lookin	† <i>-</i>					
	g to more or on tayou noine god.		1 Y	2 N (
d. Which — lookir	ng for wark or on layoff from a job?	d.	1 Loc		loth	
Ask for all persons with a "Yes"	14a. For whom did work? Name of company, business, organization, or other employer	140.				
in 13a, b, or c.	b. What kind of business or industry is this? For example, TV and radio manufacturing, retail shoe store, State Labor Dept., farm	Ь.	Industry			
if "Yes" in 13c only, questions		ļ				
14a through 14e apply to this	c. What kind of work was doing? For example, electrical engineer, stock clerk, typist, farmer	C.	Occupati	on		
person's LAST full-time civilian		ļ	~			
job.	d. What were's most important activities or duties? For example, types, keeps account books, files, sells cars, operates printing press, finishes concrete	d.	Duties			
	Complete from entries in I4a-d; if not clear, ask:	1	Class of	worker		
	e. Was an employee of PRIVATE company, business, or individual	••	1 🗆 P	5 🔲 l		
	for wages, salary, or commission?P a FEDERAL government employee?F		_	البها ا		
	a STATE government employee?		2 🗆 F	6 🗀 SE		
	a LOCAL government employee?L self-employed in OWN business, professional practice, or farm?		3 □ S	7 🗀 WP		
	If not a farm, ask: Is the business incorporated?	'	4 🗆 L	8 MEV	,	
	Yes			1,		
	working WITHOUT PAY in family business or farm? WP					
	NEVER WORKEDNEV					
		1	XX		V.	
Hand Card I	famous and the same total and the state of t	,,,				
that is, yours,	income groups represents your total combined family income for the past 12 months — your ——'s, etc.? Include income from all sources such as wages, salaries, social	15.	00 □ A	04 E 0) [[] B	
security or reti	rement benefits, help from relatives, rent from property, and so forth.	1	01 🗀 B	05 🗀 F 0	J 🗀 ec	

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CARD R

- I. Alaskan Native or American Indian
- 2. Asian or Pacific Islander
- 3. Black
- 4. White
- 5. Another group not listed Specify

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