

VITAL & HEALTH STATISTICS

Use of Dental Services and Dental Health United States, 1986

Includes estimates on volume of dental visits, time interval since last dental visit, reason for last dental visit, private dental health insurance, use of fluoride products, dental sealants, and dentition status. Estimates are based on data collected in the National Health Interview Survey of 1986.

Data From the National Health Survey Series 10, No. 165

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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 standard of reliability or precision (more than 30-percent relative standard error in numerator of percent or rate)
 - # Figure suppressed to comply with confidentiality requirements
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Use of Dental Services and Dental Health: United States, 1986

by Susan S. Jack, M.S., and
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Interview Statistics

Introduction

For the 1986 National Health Interview Survey (NHIS), a cross-sectional household survey conducted by the National Center for Health Statistics (NCHS), questions were included on the dental health care of the civilian noninstitutionalized population of the United States over the age of 2 years. Included were questions on the interval since last dental visit, the number of dental visits, edentulousness (the loss of all natural teeth), the use of fluoride products and dental sealants, and private dental insurance. Some of the questions had been asked in previous years of the NHIS, but some were asked for the first time for 1986. Data on the use of dental services and other dental topics from earlier years of the NHIS are available in several reports from the National Center for Health Statistics (NCHS, 1972, 1974, 1982, 1986).

This report contains national estimates of the volume and timing of dental visits and coverage by private dental insurance. Other sections contain estimates of the dental health practices and of the use of fluoride products by children, edentulousness and the use of services by persons in the middle and later years, and the use of dental services by persons with and without private dental insurance.

In addition to published reports from NHIS, data are also available on microdata tapes. Public use tapes are available for dental topics as well as many other special health topics included in NHIS from 1973 through 1986. Information on these tapes is available from the National Center for Health Statistics, Division of Health Interview Statistics, Systems and Programming Branch, 3700 East-West Highway, Hyattsville, Md. 20782.

Highlights

In 1986, more than half of the population (57.1 percent) reported having had a dental visit in the previous year.

Americans over the age of 2 years made an estimated 466.8 million visits to dentists in 1986.

Subgroups of the population in which relatively large proportions reported no dental visits in the previous year were:

- The very young (aged 2-4 years).
- Persons 55 years of age and over.
- Males.
- Black persons.
- Mexican-American persons.
- Persons with less than a high school education.
- Persons with low family income.

Groups with high rates of dental visits per person per year included:

- Females.
- White persons.
- Non-Hispanic persons.
- Persons living in metropolitan statistical areas (MSA's).
- Persons living in the Northeast.
- Persons with high family income.
- Persons with high education.
- Persons with dental insurance.

Nearly one-quarter of all Americans over the age of 45 years had lost all their natural teeth; however, most edentulous persons were 65 years of age or older.

Edentulousness was relatively more common among persons who had a family income of less than \$15,000 and persons with less than a high school education.

Of the population 2 years of age and over, 37.8 percent (86.6 million persons) was reported to have private dental insurance coverage. More than half (56.7 percent, or 130 million persons) was not covered. (Coverage status was unknown for the remainder.)

The proportion of the population covered by private dental insurance differed by education, income, and health status. In general, the higher the income or education or the better the reported health status, the greater the proportion with coverage.

Coverage by private dental insurance was most common for the following groups:

- White persons.
- Non-Hispanic persons.
- Persons living in suburban areas.
- Persons living outside the South.
- Dentate persons.

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 household interview survey. Each week a probability sample of the civilian noninstitutionalized population of the United States is interviewed by personnel of the U.S. Bureau of the Census. Information is obtained about the health and other characteristics of each member of the household.

Because of funding limitations, the 1986 NHIS was conducted with a sample approximately half the size of the full sample design. The interviewed sample for 1986 was composed of 23,838 households containing 62,052 persons. The total noninterview rate was 3.5 percent: 2.3 percent was due primarily to failure to locate an eligible respondent at home after repeated calls.

In 1985, the NHIS was given several new sample design features, although the sampling plan concept remained the same as for the previous design. Major changes included reducing the number of primary sampling units from 376 to 198 for sampling efficiency, oversampling the black population to improve the precision of the statistics, subdividing the NHIS sample into four separate representative panels to facilitate linkage with other NCHS surveys, and using an all-area frame not based on the decennial census to facilitate NCHS survey linkage and to conduct NHIS followback surveys. A description of the survey design, the methods used in estimation, and general qualifications of the data obtained from the survey are presented in appendix I.

For this report, information about dental health was obtained for all persons 2 years of age and over. No questions were asked about infants and children under 2 years of age, because children in this age group are growing their first teeth and rarely, if ever, visit a dentist. In addition, one question on participation in a fluoride mouth rinse program at school was limited to children 2–16 years of age.

Because the estimates presented in this report are based on a sample of the population, they are subject to sampling errors. Sampling errors for the 1986 estimates are larger than in preceding years because of the reduced sample size. Therefore, readers should pay particular attention to the section of appendix I entitled “Reliability of the estimates,” which presents formulas for calculating standard errors and instructions for their use.

All information collected in the survey is reported by responsible family members residing in the household.

When possible, all adult family members participate in the interview. However, proxy responses are accepted for family members who are not at home and are required for all children and for family members who do not meet the NHIS criteria for a respondent. Although a considerable effort is made to ensure accurate reporting, the information from both proxy and self-respondents may be inaccurate because the respondent is unaware of relevant information, has forgotten it, does not wish to reveal it to an interviewer, or misinterprets the question.

The major dental health and demographic concepts described in this report are defined in appendix II. Appendix III includes a copy of the questions used in 1986 to obtain dental health information. The entire questionnaire for 1986 is presented in the 1986 Current Estimates (NCHS, 1987).

Most of the detailed tables in this report (tables 1–15) appear in parallel sets of three, showing dental variables by groups of demographic, socioeconomic, and health-related factors. Table 1 shows the number and table 2, the percent distribution of persons by interval since last dental visit, according to a wide range of demographic variables. Tables 3 and 4 show the same interval data by socioeconomic factors and tables 5 and 6, by health-related factors. Tables 7–9, 10–12, and 13–15 show other dependent dental variables by the same three groups of demographic, socioeconomic, and health-related variables. Tables 16 and 17 concentrate on age subsets, children 2–16 years of age, and the middle-aged and older portions of the population. Tables 18 and 19 focus on the effects on dental services usage of dental insurance and the interrelated factors of education and income. Tables 20–23 show the populations used to calculate the unstandardized rates used in this report.

In this report, terms such as “similar” and “no difference” mean that there is no statistically significant difference between the measures being compared. Terms relating to difference (for example, “greater than” or “less than”) 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 not to be significant.

Selected topics

Dental data: 1983 and 1986

The proportion of the population with a recent dental visit (within the last year) increased from 55.0 percent in 1983 to 57.1 percent in 1986. The increase occurred in most age groups (table A).

The average number of dental visits per person per year was 1.9 in 1983 and 2.0 in 1986. The rate of dental visits was higher in 1986 for those 55 years of age and over, particularly for males (not shown).

The estimated number of dental visits made by persons 65 years of age and over increased from 32.5 million in 1980 to 39.6 million in 1983 and to 58.4 million in 1986.

In 1986 the proportion of persons 45 years of age and over who were edentulous was 24.0 percent (18 million persons), a decrease from 25.5 percent (17.4 million) in 1983 (table B).

Table A. Percent of persons 2 years of age and over with dental visits in past year and number of visits per person per year, by selected characteristics: United States, 1983 and 1986

Characteristic	Percent with visit in past year		Number of visits per person per year	
	1983	1986	1983	1986
Age¹				
All ages	55.0	57.1	1.9	2.0
2-4 years	28.4	31.3	0.7	0.7
5-17 years	67.0	70.3	2.5	2.4
18-34 years	57.0	58.0	1.7	1.8
35-54 years	57.4	60.5	2.1	2.1
55-64 years	51.3	51.2	2.1	2.5
65 years and over	38.6	41.7	1.5	2.1
Sex				
Male	53.0	54.9	1.7	1.9
Female	56.9	59.2	2.1	2.2
Race				
White	57.0	59.2	2.0	2.1
Black	41.8	43.6	1.2	1.4
Family income				
Less than \$10,000	38.8	40.9	1.2	1.3
\$10,000-\$19,999	47.5	47.5	1.5	1.6
\$20,000-\$34,999	61.4	61.0	2.3	2.3
\$35,000 and over	74.0	73.5	2.7	2.7

¹Includes persons of other races and unknown income not shown separately.

Interval since last dental visit

There were wide variations between population subgroups in the proportions reporting dental visits in the year before the interview. More than half of the population (57.1 percent, or about 131 million persons) was reported to have had a dental visit in the year prior to the interview (tables C and 1-2). Because the age distributions in many of the various population groups differ considerably, the data have been age-adjusted to the total U.S. population in 1986. (By assuming identical age distributions for all groups, this procedure standardizes the age differences between groups.) Using age-adjusted data (tables C-E), the characteristics associated with a relatively high proportion of persons having a recent dental visit were: female, white, non-Hispanic, living in the suburbs (MSA, not central city), college education, family income more than \$35,000, private dental insurance, excellent or very good health, and dentate (having at least one natural tooth).

An important measure of inadequate dental care is the proportion of the population that has never seen a dentist. Although the vast majority of Americans over the age of 2 years has visited a dentist, more than 11 million Americans (11.6 million) have never had a dental visit (table 1). Only 31.3 percent of children 2-4 years of age had seen a dentist in the previous year, and 58.7 percent (6.4 million) had never seen a dentist (tables 1 and 2).

The reported use of dental care services varied greatly by age as well as by other demographic characteristics. Children 5-17 years of age were most likely to have reported a visit within the previous year, followed by those aged 25-44 years. At ages 45 years and over, the proportion with a recent visit decreased with age, reflecting in part an increase in edentulousness with age.

Overall, females were more likely than were males to have had a visit in the previous year (59.2 percent and 54.9 percent) (table 2). A smaller proportion of black persons than of white persons (43.6 percent and 59.2 percent) had recent dental visits, and black children were more likely than were white children never to have been to a dentist, particularly those 5-11 years of age.

In general, Hispanic persons were less likely than non-Hispanic persons to have visited a dentist in the previous year, due primarily to the lower proportion of Mexican-Americans who had had recent visits. More than one-fifth of all Hispanic children aged 2-4 years had had a dental

Table B. Percent of persons 45 years of age and over who were edentulous, by age, sex, and race: United States, 1983 and 1986

Characteristic	Age									
	Total 45 years and over		45-54 years		55-64 years		65-74 years		75 years and over	
	1983	1986	1983	1986	1983	1986	1983	1986	1983	1986
Population ¹	25.5	24.0	13.9	11.7	22.3	21.7	34.0	29.7	45.2	46.3
Percent										
Sex										
Male	24.4	22.4	12.7	11.3	21.6	20.4	34.3	28.3	47.6	47.6
Female	26.5	25.4	15.1	12.0	22.9	22.7	33.8	30.8	43.8	45.6
Race										
White	25.8	24.1	14.3	12.0	22.5	21.8	33.6	29.4	45.1	45.5
Black	24.1	24.6	12.3	10.5	19.2	22.1	37.7	33.0	46.5	56.8

¹Includes persons of other races not shown separately.

Table C. Age-adjusted percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected demographic characteristics: United States, 1986

Characteristic	Interval since last dental visit					
	All intervals ¹	Less than 1 year	1 year up to 2 years	2 years up to 5 years	5 years or more	Never
Total ²	100.0	57.1	8.7	14.6	12.3	5.1
Percent distribution						
Sex						
Male	100.0	54.5	9.0	15.7	13.1	5.3
Female	100.0	59.6	8.3	13.6	11.5	4.8
Race						
White	100.0	59.4	8.5	13.8	11.7	4.6
Black	100.0	42.1	9.2	20.3	17.3	7.1
Hispanic origin						
Non-Hispanic	100.0	58.1	8.6	14.4	12.0	4.6
Hispanic	100.0	45.6	10.3	17.1	15.5	9.5
Mexican-American	100.0	38.6	10.6	18.4	18.2	12.6
Other Hispanic	100.0	53.0	9.7	15.8	12.8	5.9
Place of residence						
MSA	100.0	58.5	8.5	14.2	11.4	4.8
Central city	100.0	54.5	8.9	15.8	12.5	5.6
Not central city	100.0	61.1	8.3	13.3	10.7	4.3
Not MSA	100.0	52.7	9.3	15.8	14.8	5.8
Geographic region						
Northeast	100.0	61.8	7.5	13.3	11.8	3.8
Midwest	100.0	60.3	8.0	13.4	11.9	3.9
South	100.0	50.3	9.7	16.3	14.7	6.5
West	100.0	60.4	9.1	14.3	8.8	5.1

¹Includes unknown interval.

²Includes persons of other races not shown separately.

Table D. Age-adjusted percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected socioeconomic characteristics: United States, 1986

Characteristic	Interval since last dental visit					Never
	All intervals ¹	Less than 1 year	1 year up to 2 years	2 years up to 5 years	5 years or more	
Educational level						
Percent distribution						
Less than 9 years	100.0	31.7	7.8	21.7	31.7	5.0
9-11 years	100.0	40.0	8.7	21.9	25.9	1.8
12 years	100.0	54.6	9.7	18.2	15.0	0.5
13 years or more	100.0	70.3	8.5	12.0	7.7	0.3
Family income						
Less than \$10,000	100.0	42.6	9.9	18.3	20.7	7.1
\$10,000-\$19,999	100.0	47.9	9.6	18.7	15.8	6.7
\$20,000-\$34,999	100.0	61.0	8.8	14.5	10.0	4.5
\$35,000 or more	100.0	72.7	7.7	9.5	5.9	2.9
Dental insurance coverage						
Private dental insurance	100.0	69.6	7.5	10.7	7.3	3.7
No private dental insurance	100.0	50.7	9.5	17.0	14.9	6.0

¹Includes unknown interval.

Table E. Age-adjusted percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected health characteristics: United States, 1986

Characteristic	Interval since last dental visit					Never
	All intervals ¹	Less than 1 year	1 year up to 2 years	2 years up to 5 years	5 years or more	
Assessed health status						
Percent distribution						
Excellent or very good	100.0	61.4	8.7	13.6	9.7	4.6
Good	100.0	51.4	8.7	16.6	13.9	6.5
Fair or poor	100.0	44.4	9.4	17.0	20.1	6.4
Limitation of activity						
Unable to carry on usual activity	100.0	45.7	8.6	16.9	20.1	6.3
Limited in amount or kind of major activity	100.0	53.2	8.7	15.7	15.7	4.9
Limited, but not in major activity	100.0	57.6	8.7	14.4	14.2	3.4
Not limited in activity	100.0	58.2	8.8	14.4	11.2	5.1
Dentition status						
Dentate	100.0	63.4	8.6	15.1	11.3	0.5
Edentulous	100.0	11.2	4.2	21.7	60.9	0.4

¹Includes unknown interval.

visit in the year prior to interview, compared with nearly one-third of all non-Hispanic children in the same age group.

Persons living in the suburbs (MSA, not central city) were more likely to report having had a recent dental visit (61.4 percent) than those living in a central city (54.3 percent) or outside of an MSA (52.3 percent). Persons living in the South were less likely to have had a recent dental visit than people in other regions.

Family income, dental insurance coverage, and educational attainment (for adults) were related to use of dental services (tables 3 and 4). Family income level was related to the proportion of persons with a recent dental visit (table 3); 40.9 percent of those with a family income below \$10,000; 47.5 percent and 61.0 percent of those with family incomes of \$10,000-\$19,999 and \$20,000-\$34,999, respectively; and 73.5 percent of those with family incomes of \$35,000 or more had had dental visits within the year prior

to the interview. In the two lowest income groups, however, the differences between groups are apparent only at 35 years of age and over.

Data on coverage by private dental insurance were collected for the first time by the NHIS in 1986. Persons with dental insurance were significantly more likely to have had a recent dental visit than were those without such insurance (table 4). Overall, 70.1 percent of those with coverage had had a recent dental visit, compared with 49.9 percent of those without coverage. The difference in the proportions with recent visits was greatest for those 65 years of age and over, which may be due to a self-selection factor: Those with teeth are more likely to have dental visits and thus may be more likely to select health insurance with dental coverage than are those who are edentulous.

For adults 22 years of age and over, the higher the educational level, the greater the proportion with a recent dental visit. Only 27.7 percent of those with less than 9

years of formal education had had a recent dental visit, compared with 70.2 percent of those with some college education. For adults 22–34 years of age, about 10 percent of those with 9 or fewer years of education had never seen a dentist, but less than 1 percent of those with some college education had never seen a dentist.

The physical condition of individuals as measured by their reported health status and activity limitation status correlated positively with use of dental services, but less strongly than did dentition status (tables 5 and 6). This is the reverse of the pattern of physician visits for persons in the same assessed health status groups. Persons with severe limitation of activity also were less likely to have had a recent dental visit.

Among persons aged 35 years and over, as might be expected, those who were edentulous at the time of the interview were significantly less likely to have been to a dentist in the previous year compared with the dentate population (10.6 percent and 63.6 percent, respectively) (table 6). Edentulous persons also were significantly more likely not to have seen a dentist for at least 5 years. Even for the youngest edentulous persons shown, those 35–44 years of age, more than half (55.4 percent) had not seen a dentist in 5 or more years, compared with only 8.3 percent of those with teeth.

Number of visits in the past 12 months

Dental health care providers recommend “regular professional care,” usually one or two dental visits annually for a checkup and cleaning. Three or more visits a year are often considered an indicator of a dental problem, and no visit in a year is often considered an indicator of inadequate dental care (Maas, 1987). The proportion of the population with either three or more dental visits or no visits in the previous year varied among the population subgroups (tables 7–9).

Using age-adjusted data, a larger proportion of females, white persons, persons with higher income and education, and persons with private dental insurance and those who were dentate than of others had three or more visits (tables F–H). Those with the largest proportion with no dental visits were the very young, aged 2–4 years (65.0 percent) and those age 75 years and over (64.6 percent) (table 7). Those with the largest proportion having three or more visits in the previous year, indicating a dental problem, were adolescents aged 12–17 years (20.7 percent), primarily for orthodontia, and those aged 35–54 years (17.3 percent). Females 18–44 years of age were significantly less likely than males of the same age to have had no dental visits in the previous year, and females 12–34 years were more likely than males of the same ages to have had three or more visits.

Black persons were more likely than white persons to have had no dental visits in the previous year and less likely to have had three or more visits. The differences between races in the proportion with three or more visits were greatest for adolescents 12–17 years of age (12.4 percent of black and 22.4 percent of white adolescents) and those aged

Table F. Age-adjusted percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected demographic characteristics: United States, 1986

Characteristic	Number of visits in the past year				
	Total ¹	None	1	2	3 or more
Total ²	100.0	41.3	22.8	19.0	14.8
Percent distribution					
Sex					
Male	100.0	43.9	22.8	17.7	13.5
Female	100.0	38.9	22.8	20.2	16.0
Race					
White	100.0	39.2	23.2	20.2	15.5
Black	100.0	55.3	19.9	10.7	10.7
Hispanic origin					
Non-Hispanic	100.0	40.4	22.9	19.5	15.0
Hispanic	100.0	53.1	20.3	13.6	11.0
Mexican-American	100.0	60.6	19.3	10.0	9.0
Other Hispanic	100.0	45.1	21.6	17.3	13.1
Place of residence					
MSA	100.0	39.8	22.5	19.7	15.7
Central city	100.0	43.6	21.9	17.3	14.7
Not central city	100.0	37.3	22.9	21.2	16.3
Not MSA	100.0	46.4	23.5	16.7	11.8
Geographic region					
Northeast	100.0	37.2	22.6	21.2	17.3
Midwest	100.0	37.9	23.7	21.2	15.1
South	100.0	48.1	21.5	16.1	12.1
West	100.0	38.0	24.2	19.3	16.2

¹Includes unknown number of visits.

²Includes persons of other races not shown separately.

Table G. Age-adjusted percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected socioeconomic characteristics: United States, 1986

Characteristic	Number of visits in the past year				
	Total ¹	None	1	2	3 or more
Percent distribution					
Educational level					
Less than 9 years	100.0	67.3	14.3	8.0	8.5
9–11 years	100.0	59.0	16.9	11.1	11.8
12 years	100.0	44.1	20.8	18.0	15.3
13 years or more	100.0	28.8	24.7	25.3	19.7
Family income					
Less than \$10,000	100.0	56.6	19.9	11.5	10.6
\$10,000–\$19,999	100.0	51.5	21.4	13.8	12.1
\$20,000–\$34,999	100.0	38.5	23.8	20.5	16.1
\$35,000 or more	100.0	26.4	25.4	26.8	20.0
Dental insurance coverage					
Private dental insurance	100.0	29.7	24.4	25.3	19.3
No private dental insurance	100.0	48.2	22.0	15.5	12.6

¹Includes unknown number of visits.

55 years and over. As noted previously, Hispanic persons were more likely than non-Hispanic persons to have had no dental visits in the previous year, due primarily to the relatively large proportion of Mexican-Americans (58.9 percent) with no visits. Mexican-Americans were also less likely to have had three or more visits than other Hispanic and non-Hispanic persons.

Table H. Age-adjusted percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected health characteristics: United States, 1986

Characteristic	Number of visits in the past year				
	Total ¹	None	1	2	3 or more
Assessed health status					
Percent distribution					
Excellent or very good	100.0	37.2	24.2	21.2	15.5
Good	100.0	46.7	20.6	15.9	14.2
Fair or poor	100.0	54.1	17.4	12.2	13.9
Limitation of activity					
Unable to carry on usual activity	100.0	52.6	17.2	13.3	14.2
Limited in amount or kind of major activity	100.0	45.8	19.8	16.7	16.1
Limited, but not in major activity	100.0	41.5	21.2	18.7	17.1
Not limited in activity	100.0	40.2	23.3	19.6	14.8
Dentition status					
Dentate	100.0	36.0	22.2	22.4	18.3
Edentulous	100.0	88.7	4.8	1.9	4.2

¹Includes unknown number of visits.

Compared with people living in MSA's, a greater proportion of persons not living in an MSA had had no recent dental visits (46.8 percent) and a smaller proportion had made three or more dental visits (11.8 percent). Those living in the South were the least likely of all regional groups to have had three or more visits, and most likely to have had no dental visits in the previous year.

The higher the educational level of those 22 years of age and over, the higher the proportion having three or more dental visits (table 8). There is also a positive association between use of dental services and family income.

A greater proportion of persons with no private dental insurance coverage than of those with coverage reported no dental visits (48.9 percent and 29.1 percent). Those with dental insurance were more likely than those without coverage to have had three or more visits in the previous year (19.1 percent and 12.5 percent).

People in fair or poor health were more likely to have had no dental visits (59.6 percent) than were those with reported good health (47.4 percent) and those reported to be in excellent or very good health (36.4 percent) (table 9). Those in excellent or very good health were more likely to have had three or more dental visits (15.3 percent) than were those in only fair or poor health (12.7 percent). Persons who were unable to perform their usual activity because of a chronic health condition were more likely than persons in other categories of activity limitation to have reported no dental visits in the past year.

As might be expected, people having some natural teeth (18.3 percent) were more likely to have had dental visits—specifically, more likely to have had three or more visits—than were those who were edentulous at the time of the interview (3.9 percent).

Dental visits per person per year

One of the more common measures of access to dental care is the average number of dental visits per person per year. To those interested in the provision of dental services, the actual number of visits made to dentists also is important (tables 10–12). The number of dental visits per person per year may be affected by the actual need for care, the perceived need for care, and the ability to pay for care.

Americans over the age of 2 years made an estimated 466.8 million visits to a dentist in 1986 (table 10). Those with high rates of dental visits per person per year (age adjusted) included females, whites, non-Hispanics, those living in MSA's and in the Northeast, females living in the West, those with higher family income and education, those with dental insurance, and those who were dentate (tables J–L).

Overall, females had a higher number of dental visits per person per year (2.2) than males had (1.9) (table 10). For females, after the high rate of 3.0 dental visits per person per year for adolescents, the rate was relatively constant through age 74 years. Among older men and women, the rate of visits was significantly lower for those 75 years of age and over.

White women had a higher dental visit rate (2.3) than did their male counterparts (2.0); however, white males still had a significantly higher visit rate than did black females (2.0 and 1.5, respectively). Different age and sex rate patterns appear when other demographic variables are considered, such as place of residence and region.

Table J. Age-adjusted number of dental visits per person per year, by sex and selected demographic characteristics: United States, 1986

Characteristic	Number of visits per person		
	Total population	Male	Female
Total ¹	2.0	1.9	2.2
Race			
White	2.1	2.0	2.3
Black	1.4	1.3	1.5
Hispanic origin			
Non-Hispanic	2.1	1.9	2.2
Hispanic	1.6	1.4	1.8
Mexican-American	1.3	1.1	1.6
Other Hispanic	1.8	1.7	1.9
Place of residence			
MSA	2.1	2.0	2.2
Central city	2.0	2.0	2.0
Not central city	2.2	2.1	2.4
Not MSA	1.8	1.5	2.1
Geographic region			
Northeast	2.3	2.3	2.3
Midwest	2.0	1.9	2.2
South	1.8	1.6	1.8
West	2.3	2.0	2.5

¹Includes persons of other races not shown separately.

Table K. Age-adjusted number of dental visits per person per year, by sex and selected socioeconomic characteristics: United States, 1986

Characteristic	Number of visits per person		
	Total population	Male	Female
Educational level			
Less than 9 years	1.1	1.0	1.2
9-11 years	1.5	1.5	1.5
12 years	2.1	1.9	2.2
13 years or more	2.7	2.5	2.8
Family income			
Less than \$10,000	1.4	1.1	1.5
\$10,000-\$19,999	1.5	1.4	1.7
\$20,000-\$34,999	2.3	2.1	2.6
\$35,000 or more	2.7	2.5	2.9
Dental insurance coverage			
Private dental insurance	2.7	2.4	3.0
No private dental insurance	1.7	1.6	1.8

Table L. Age-adjusted number of dental visits per person per year, by sex and selected health characteristics: United States, 1986

Characteristic	Number of visits per person		
	Total population	Male	Female
Assessed health status			
Excellent or very good	2.2	2.0	2.3
Good	1.9	1.7	2.0
Fair or poor	2.0	2.0	2.0
Limitation of activity			
Unable to carry on usual activity	1.5	1.7	1.3
Limited in amount or kind of major activity	2.1	2.2	2.1
Limited, but not in major activity	2.4	2.3	2.5
Not limited in activity	2.1	1.9	2.2
Dentition status			
Dentate	2.6	2.5	2.6
Edentulous	0.8	1.0	0.6

For both sexes, dental visit rates increased with income and level of education (table 11). Persons with private dental insurance coverage had higher dental visit rates than did persons without such coverage.

Dental insurance

A relatively new factor affecting the use of dental services is private dental insurance. A question was added to the 1986 NHIS concerning health insurance coverage for dental care. The public health policy assumption is that some persons will be more likely to use dental services if at least some portion of them is covered by a third-party payer. Those with dental coverage, however, were not asked if the dental care they received was covered by the policy.

Of the total population 2 years of age and over, 37.8 percent (86.6 million) was reported to have had private dental insurance coverage at the time of the NHIS interview. More than half (56.7 percent, 130 million) did not, and it was not known whether the remaining 12.5 million had such coverage (tables M and 13-15).

Table M. Age-adjusted percent distribution of persons 2 years of age and over by private dental insurance status, according to selected demographic characteristics: United States, 1986

Characteristic	Total population ¹	Private dental insurance	No private dental insurance
Total²	100.0	37.8	56.7
Sex			
Male	100.0	38.6	55.7
Female	100.0	37.1	57.7
Race			
White	100.0	39.3	55.6
Black	100.0	28.4	64.6
Hispanic origin			
Non-Hispanic	100.0	38.5	56.1
Hispanic	100.0	29.5	64.3
Mexican-American	100.0	28.7	66.0
Other Hispanic	100.0	30.1	62.7
Place of residence			
MSA	100.0	40.4	54.2
Central city	100.0	35.5	58.4
Not central city	100.0	43.4	51.5
Not MSA	100.0	29.3	65.2
Geographic region			
Northeast	100.0	39.2	55.8
Midwest	100.0	41.9	52.6
South	100.0	30.6	62.9
West	100.0	43.8	52.2

¹Includes unknown insurance coverage.

²Includes persons of other races not shown separately.

People 25-54 years of age were more likely than persons of other ages to have coverage, and males were more likely to have coverage than were females, particularly those age 45 years and over (table 13). A larger proportion of white persons (39.0 percent) than of black persons (29.1 percent) had coverage, and non-Hispanics were more likely to be covered than were Hispanics (38.3 percent and 31.3 percent, respectively). Using age-adjusted figures (table M), 39.3 percent of white persons, 28.4 percent of black persons, 38.5 percent of non-Hispanics, and 29.5 percent of Hispanics reported having private dental insurance.

A greater proportion of those living in the suburbs (44.0 percent) than of those residing in the central city (35.3 percent) or outside an MSA (28.7 percent) had dental coverage (table 13). There were differences between regions in the proportion of people with dental insurance; those who lived in the West had the highest rate of coverage (44.3 percent), and those residing in the South had the lowest (30.8 percent).

The proportion of persons with dental coverage changed with educational and income level. Using age-adjusted data (table N), 10.0 percent of those with incomes of less than \$10,000 had coverage compared with 56.6 percent of those with an income of \$35,000 or more.

The better the reported health status, the greater the probability of having private dental insurance coverage.

Table N. Age-adjusted percent distribution of persons 2 years of age and over by private dental insurance status, according to selected socioeconomic characteristics: United States, 1986

Characteristic	Total population ¹	Private dental insurance	No private dental insurance
Educational level			
Percent distribution			
Less than 9 years	100.0	15.3	79.2
9–11 years	100.0	25.2	69.0
12 years	100.0	37.2	57.4
13 years or more	100.0	44.6	50.5
Family income			
Less than \$10,000	100.0	10.0	85.3
\$10,000–\$19,999	100.0	25.7	69.4
\$20,000–\$34,999	100.0	45.0	50.7
\$35,000 or more	100.0	56.6	39.7

¹Includes unknown insurance coverage.

Table O. Age-adjusted percent distribution of persons 2 years of age and over by private dental insurance status, according to selected health characteristics: United States, 1986

Characteristic	Total population ¹	Private dental insurance	No private dental insurance
Assessed health status			
Percent distribution			
Excellent or very good	100.0	41.5	53.4
Good	100.0	32.4	61.3
Fair or poor	100.0	23.4	71.1
Limitation of activity			
Unable to carry on usual activity	100.0	21.7	73.4
Limited in amount or kind of major activity	100.0	31.7	63.9
Limited, but not in major activity	100.0	36.8	58.8
Not limited in activity	100.0	39.1	55.4
Dentition status			
Dentate	100.0	37.4	57.7
Edentulous	100.0	25.4	68.2

¹Includes unknown insurance coverage.

Those who were unable to perform their usual activities were less likely to have dental coverage (16.8 percent) than were those with no limitation of activity (40.0 percent) (table 15). However, those with severe limitation are also less likely to be employed, and employers are the major source of health insurance coverage.

Overall, 39.4 percent of the dentate population had some private dental insurance coverage, as well as 18.5 percent of the edentulous population. When age-adjusted, this apparent difference declines (table O).

Dental health of children

The dental care that children receive is particularly important because good dental care at an early age can help prevent poor dental health in later years (Corbin et al., 1987; Fielding, 1978; Office of Health Promotion and Disease Prevention, 1980). About one-third of all children aged 2–4 years—3.4 million—had visited a dentist in the

past year (table 16). The proportion of children with a recent dental visit increased to more than two-thirds for each of the age groups 5–8, 9–11, 12–14, and 15–16 years.

For children aged 2–16 years, girls (63.7 percent) were as likely as boys (61.4 percent) to have visited the dentist in the past year. However, the proportion of white children with a dental visit in the past year was about 25 percent greater than the proportion of black children doing so (64.8 percent and 50.8 percent, respectively).

The use of fluoride products is an effective method for the prevention of dental caries (Corbin et al., 1987; Ismail et al., 1987; Swank, Vernon, and Lairson, 1986). In 1986, 9 of 10 children used fluoride toothpaste. The percent of children using fluoride toothpaste ranged from 92.0 in families with an income less than \$10,000 per year to 94.8 in families with an income of \$35,000 or more.

The use of fluoride supplements (fluoride drops, fluoride tablets, vitamin drops with fluoride, or vitamin tablets with fluoride) was highest among children aged 2–8 years and lowest among adolescents aged 12–16 years. The percent of white children who used fluoride supplements (9.3 percent) was more than double the percent of black children who did so (3.8 percent).

Fluoride mouthrinses were another decay-preventive product used by children. About 13 percent of all children used a fluoride mouthrinse at home, and 10.5 percent of children were in a fluoride mouthrinse program at school. The use of fluoride mouthrinses at home was greater among children in families with incomes of more than \$10,000 per year than in families with lower incomes. School mouthrinse programs generally are targeted to reach low-income populations (Maas, 1987); consequently the use of fluoride mouthrinses at school was greater among children in families with incomes of less than \$10,000 per year (13.5 percent) than in families with incomes of \$20,000–\$34,999 (10.7 percent) or \$35,000 or more (7.5 percent).

Dental sealants are plastic coatings that are painted on the teeth to prevent decay. Only 6.7 percent of all children had had dental sealants applied. The proportion of white children who had had dental sealants applied (7.5 percent) was more than triple the proportion of black children with sealants. Significantly more children in families with an income of \$35,000 or more (12.2 percent) had had dental sealants applied than children in families with an income of \$20,000–\$34,999 (6.7 percent), \$10,000–\$19,999 (3.8 percent), or less than \$10,000 (2.2 percent).

Dental health of Americans in the middle and later years

One of the primary criteria of good dental care and good dental health in older people is the retention of natural teeth. However, an estimated 17.4 million Americans 45 years of age or older (24.0 percent) were edentulous in 1986 (table 17). The proportion of adults 45 years of age and over who retained at least some of their natural teeth decreased with age from a high of 87.3

percent in the 45–54 year age group to a low of 44.3 percent for those aged 85 years or older. There was no statistically significant difference in the proportions of white and black Americans who were edentulous.

In the dentate population age 45 years and over, white persons were more likely than black persons to have had a dental visit in the previous year (65.7 percent and 39.0 percent). White dentate persons also reported a higher number of visits per person per year than did their black counterparts (2.8 and 1.6).

The proportions of the population age 45 years and over that were edentulous in 1986 declined as family income increased; 40.3 percent of those with an income of less than \$15,000 was edentulous, compared with 21.4 percent of those with an income of \$15,000–\$34,999 and 9.7 percent of those with an income of \$35,000 or more.

Educational attainment also was associated with edentulousness and dental visits. The higher the educational level, the lower the percent that was edentulous; of those with less than 12 years of education, 39.5 percent was reported to be edentulous, compared with only 9.5 percent of those with 13 or more years of education. For those 75 years of age and over, this proportion declined from a high of 56.5 percent for those with less than 12 years of education to 23.7 percent for those with more than a high school education. The number of visits per person per year for the dentate population increased from 1.9 in the lowest educational group to 3.4 in the highest.

For the dentate population over age 45, the rate of visits increased from 2.1 for those in the lowest income group to 3.2 in the highest category. Similarly, the proportion of the dentate population making a visit in the previous year increased with family income, from 44.5 percent in the lowest income group to 77.2 percent in the \$35,000 or more income group.

As might be expected, the proportion who were edentulous was greater for those with no dental insurance coverage (28.0 percent) than for those with coverage (14.3 percent). This difference may be due to self-selection of dentate persons in insurance coverage rather than to lack of insurance having a direct effect in causing edentulousness.

Both the percent who were dentate and their number of dental visits were positively associated with income (above and below the poverty threshold) and education. Similarly, the proportion of the dentate population 45 years of age and over with a dental visit in the past year increased with education and was greater for persons with a family income above than below the poverty level.

For the dentate population 45 years of age and over, the proportion with a dental visit in the previous year was higher for those with dental insurance coverage than for those without such coverage; 74.6 percent of those with coverage reported a visit, compared with 57.5 percent of those without coverage.

Income, education, and use of dental services

Considering only adults 22 years of age and over, the separate and combined effects of education and income on the use of dental services can be seen in table 18. In most income and age groups, the proportion with a visit in the previous year increased with educational attainment for the population as a whole. The effect of income and education can also be seen in the number of dental visits per person per year; however, this effect is modified by the limit on the need for dental services. The optimum number of dental visits in a year is either one or two for the purposes of cleaning and examination. It is thought that the rate of visits per person increases with income and access to care to allow care of previously unmet need, then declines to a lower level for routine preventive care. In the income groups below \$25,000, the higher the educational attainment, the greater the rate of dental visitation reported in most age groups.

Private health insurance and use of dental services

Persons with private dental insurance had a higher number of dental visits per person per year (2.6) than did persons with no coverage (1.7). They also had a higher proportion with a visit in the previous year, a greater proportion whose last visit was for a checkup, and a lower proportion who were edentulous (table 19). These differences existed for most age, sex, and race groups; however, differences by age, sex, and race still appear within insurance coverage groups. The usual pattern of increased use of dental services with income was not as clear in the two lower income categories for those with private dental insurance coverage. Persons with a family income of less than \$10,000 who had dental insurance coverage used dental services more often than did those with an income of \$10,000–\$19,999.

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Table 1. Number of persons 2 years of age and over, by interval since last dental visit and selected demographic characteristics: United States, 1986

[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]

Characteristic	Interval since last dental visit								
	All intervals	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never	Unknown
		Total	Less than 6 months	6-11 months					
Number in thousands									
All ages ¹	229,034	130,863	82,030	44,117	19,893	33,419	28,117	11,565	5,177
2-4 years	10,861	3,397	2,184	1,057	271	89	-	6,372	731
5-17 years	44,957	31,620	19,921	10,279	3,762	4,483	964	3,409	720
5-11 years	23,503	16,616	10,420	5,493	1,885	1,782	192	2,675	354
12-17 years	21,455	15,004	9,501	4,786	1,877	2,701	772	735	366
18-34 years	68,433	39,721	23,426	14,927	7,611	12,623	5,802	1,201	1,475
18-24 years	26,721	15,102	8,751	5,787	3,268	4,991	2,030	660	670
25-34 years	41,712	24,619	14,675	9,140	4,343	7,632	3,772	541	805
35-54 years	55,213	33,382	21,498	10,864	5,116	8,678	6,592	350	1,095
35-44 years	32,548	20,249	12,844	6,762	3,195	5,021	3,289	194	599
45-54 years	22,665	13,133	8,654	4,103	1,921	3,656	3,303	157	496
55-64 years	22,033	11,271	7,593	3,320	1,584	3,566	4,996	93	522
65 years and over	27,538	11,472	7,408	3,669	1,549	3,981	9,763	139	634
65-74 years	16,987	7,847	5,274	2,335	924	2,591	5,140	83	401
75 years and over	10,551	3,625	2,134	1,334	625	1,389	4,624	*56	233
SEX									
Male									
All ages	110,607	60,725	37,311	21,220	10,029	17,239	13,851	6,164	2,598
2-4 years	5,577	1,742	1,151	512	130	*62	-	3,258	383
5-11 years	12,135	8,426	5,322	2,719	1,018	944	104	1,452	191
12-17 years	10,857	7,394	4,520	2,507	996	1,461	438	388	180
18-34 years	33,514	17,825	10,032	7,203	3,852	6,892	3,397	732	816
35-44 years	15,858	9,391	5,921	3,206	1,620	2,582	1,813	150	303
45-54 years	10,965	6,116	3,951	1,982	943	1,909	1,705	*76	216
55-64 years	10,345	5,183	3,433	1,580	814	1,717	2,339	*43	249
65 years and over	11,357	4,648	2,981	1,512	655	1,673	4,054	*64	261
65-74 years	7,490	3,387	2,265	1,029	407	1,157	2,331	*42	166
75 years and over	3,866	1,261	716	483	248	516	1,723	*22	96
Female									
All ages	118,427	70,138	44,719	22,897	9,864	16,180	14,266	5,401	2,579
2-4 years	5,284	1,655	1,033	545	140	*27	-	3,114	348
5-11 years	11,368	8,190	5,098	2,774	867	838	88	1,222	164
12-17 years	10,598	7,610	4,982	2,279	881	1,240	334	347	186
18-34 years	34,919	21,896	13,394	7,725	3,759	5,731	2,404	469	659
35-44 years	16,689	10,858	6,923	3,556	1,576	2,440	1,476	*44	296
45-54 years	11,700	7,017	4,703	2,121	977	1,747	1,597	*81	280
55-64 years	11,688	6,089	4,160	1,740	770	1,850	2,657	*49	273
65 years and over	16,181	6,823	4,427	2,157	894	2,308	5,709	*75	372
65-74 years	9,496	4,460	3,009	1,306	517	1,434	2,808	*41	235
75 years and over	6,685	2,363	1,418	851	377	873	2,901	*34	137
RACE									
White									
All ages	194,366	115,065	72,893	38,164	16,534	26,884	23,290	8,710	3,882
2-4 years	8,911	2,859	1,831	891	195	*70	-	5,199	588
5-11 years	19,111	14,026	8,906	4,555	1,444	1,297	147	1,948	249
12-17 years	17,474	12,740	8,227	3,921	1,443	1,984	554	478	275
18-34 years	57,178	34,562	20,484	12,915	6,407	10,041	4,378	731	1,058
35-44 years	27,950	17,985	11,535	5,897	2,671	4,052	2,707	117	418
45-54 years	19,502	11,658	7,760	3,592	1,585	3,016	2,795	92	355
55-64 years	19,487	10,413	7,086	3,008	1,371	2,958	4,261	*57	427
65 years and over	24,753	10,822	7,064	3,386	1,418	3,465	8,449	86	513
65-74 years	15,254	7,395	5,018	2,156	846	2,226	4,413	*43	331
75 years and over	9,499	3,427	2,046	1,230	571	1,239	4,036	*43	183
Black									
All ages	27,379	11,934	6,675	4,619	2,598	5,407	4,084	2,268	1,087
2-4 years	1,565	407	237	151	*62	*19	-	949	127
5-11 years	3,614	2,066	1,160	770	373	425	*45	611	94
12-17 years	3,300	1,801	993	692	371	632	208	230	*58
18-34 years	8,699	3,897	2,181	1,532	941	2,075	1,119	315	352
35-44 years	3,410	1,575	888	612	370	773	491	*42	159
45-54 years	2,413	1,079	614	399	224	521	430	*42	116
55-64 years	2,079	636	370	239	160	529	642	*32	*80
65 years and over	2,298	473	232	223	97	432	1,149	*47	101
65-74 years	1,457	361	193	156	*59	321	622	*36	*58
75 years and over	841	112	*40	*66	*38	111	527	*10	*43

¹Includes persons of other races not shown separately.

Table 1. Number of persons 2 years of age and over, by interval since last dental visit and selected demographic characteristics: United States, 1986—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 II]

Characteristic	Interval since last dental visit								
	All intervals	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never	Unknown
		Total	Less than 6 months	6-11 months					
HISPANIC ORIGIN									
Non-Hispanic									
All ages	211,651	122,676	77,401	40,935	18,141	30,614	25,993	9,416	4,812
2-4 years	9,555	3,117	2,003	968	242	*78	-	5,449	670
5-11 years	20,945	15,140	9,511	4,989	1,708	1,523	117	2,155	302
12-17 years	19,461	13,833	8,821	4,369	1,696	2,416	608	558	349
18-34 years	62,447	36,935	21,936	13,765	6,873	11,360	5,101	826	1,352
35-44 years	30,279	19,088	12,159	6,315	2,878	4,663	2,981	118	551
45-54 years	21,325	12,545	8,357	3,828	1,762	3,393	3,033	116	476
55-64 years	20,966	10,784	7,330	3,130	1,509	3,361	4,723	*77	512
65 years and over	26,672	11,233	7,284	3,570	1,473	3,820	9,430	117	600
Hispanic									
All ages	17,383	8,187	4,629	3,183	1,752	2,805	2,124	2,150	365
2-4 years	1,306	280	181	89	*29	*12	-	923	*61
5-11 years	2,557	1,475	909	504	177	259	*75	519	*53
12-17 years	1,994	1,171	680	417	181	285	164	177	*16
18-34 years	5,985	2,786	1,490	1,163	738	1,262	701	375	123
35-44 years	2,269	1,161	686	447	318	359	308	*76	*48
45-54 years	1,340	588	296	275	158	263	270	*41	*20
55-64 years	1,067	488	263	190	*75	205	273	*15	*11
65 years and over	865	239	124	99	*76	161	333	*23	*34
Mexican-American:									
All ages	9,184	3,699	1,996	1,485	957	1,550	1,261	1,573	143
2-4 years	817	167	109	*47	*19	*12	-	599	*21
5-11 years	1,552	760	451	280	119	199	*68	377	*29
12-17 years	1,120	581	332	211	121	150	126	139	*3
18-34 years	3,202	1,287	669	528	371	705	459	320	*60
35-44 years	1,047	392	209	171	191	177	205	*73	*10
45-54 years	628	226	103	110	*75	141	142	*32	*12
55-64 years	466	212	90	103	*33	98	104	*15	*4
65 years and over	352	*75	*32	*35	*29	*69	158	*18	*4
Other Hispanic:									
All ages	8,199	4,488	2,633	1,698	795	1,255	862	577	222
2-4 years	489	114	*72	*42	*11	-	-	324	*40
5-11 years	1,005	715	457	224	*57	*60	*7	143	*23
12-17 years	874	590	348	206	*60	134	*38	*38	*13
18-34 years	2,783	1,499	821	635	366	557	242	*55	*63
35-44 years	1,222	769	477	276	127	182	103	*3	*37
45-54 years	712	361	193	165	83	122	128	*9	*8
55-64 years	601	276	173	87	*42	107	169	-	*7
65 years and over	514	164	92	*63	*48	92	175	*4	*30
PLACE OF RESIDENCE									
MSA									
All ages	175,643	102,932	65,159	34,013	15,038	25,083	19,813	8,438	4,341
2-4 years	8,321	2,659	1,744	792	219	*56	-	4,780	607
5-11 years	17,926	12,954	8,171	4,268	1,363	1,358	136	1,822	293
12-17 years	16,117	11,475	7,322	3,617	1,402	1,954	535	443	307
18-34 years	54,001	31,716	18,852	11,741	5,823	9,798	4,469	955	1,240
35-44 years	25,342	16,155	10,351	5,287	2,439	3,708	2,372	166	503
45-54 years	17,519	10,434	6,935	3,179	1,465	2,727	2,330	118	445
55-64 years	16,475	8,836	6,105	2,431	1,170	2,565	3,429	*55	420
65 years and over	19,942	8,703	5,680	2,698	1,158	2,916	6,541	99	527
Central city:									
All ages	69,113	37,549	22,967	13,323	6,186	10,944	8,796	3,790	1,848
2-4 years	3,207	932	597	305	*82	*24	-	1,958	210
5-11 years	6,761	4,566	2,729	1,677	520	629	*67	862	117
12-17 years	5,843	3,806	2,236	1,374	541	843	264	238	150
18-34 years	22,379	12,525	7,437	4,727	2,540	4,256	2,027	489	542
35-44 years	8,987	5,236	3,226	1,864	974	1,483	955	106	233
45-54 years	6,570	3,577	2,292	1,182	596	1,161	975	*60	201
55-64 years	6,490	3,254	2,139	1,005	454	1,224	1,367	*27	164
65 years and over	8,876	3,652	2,310	1,190	479	1,323	3,141	*50	229

Table 1. Number of persons 2 years of age and over, by interval since last dental visit and selected demographic characteristics: United States, 1986—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 II]

Characteristic	Interval since last dental visit								
	All intervals	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never	Unknown
		Total	Less than 6 months	6-11 months					
Number in thousands									
Not central city:									
All ages	106,530	65,383	42,192	20,689	8,851	14,139	11,017	4,648	2,493
2-4 years	5,113	1,727	1,146	487	136	*32	-	2,822	396
5-11 years	11,165	8,388	5,442	2,591	842	729	*70	961	176
12-17 years	10,274	7,669	5,086	2,244	860	1,111	271	205	157
18-34 years	31,621	19,191	11,415	7,014	3,283	5,542	2,442	466	698
35-44 years	16,356	10,919	7,125	3,423	1,465	2,225	1,417	*60	269
45-54 years	10,949	6,857	4,643	1,997	869	1,566	1,355	*58	244
55-64 years	9,985	5,582	3,966	1,426	717	1,342	2,062	*27	255
65 years and over	11,067	5,050	3,369	1,508	678	1,592	3,400	*49	298
Not MSA									
All ages	53,391	27,931	16,871	10,104	4,855	8,336	8,304	3,128	836
2-4 years	2,540	738	441	265	*52	*33	-	1,592	124
5-11 years	5,577	3,662	2,249	1,226	522	424	*55	852	*62
12-17 years	5,338	3,529	2,179	1,169	476	747	237	292	*58
18-34 years	14,432	8,005	4,574	3,186	1,789	2,824	1,332	246	235
35-44 years	7,205	4,094	2,493	1,475	756	1,314	917	*28	96
45-54 years	5,146	2,699	1,719	924	455	929	973	*39	*52
55-64 years	5,557	2,435	1,489	889	414	1,001	1,567	*38	103
65 years and over	7,595	2,769	1,728	971	392	1,065	3,222	*41	107
GEOGRAPHIC REGION									
Northeast									
All ages	49,139	30,118	19,593	9,202	3,691	6,641	6,213	1,639	838
2-4 years	1,939	768	506	227	*34	*7	-	976	154
5-11 years	4,601	3,608	2,301	1,053	315	235	*13	364	*66
12-17 years	4,326	3,347	2,208	935	352	443	*68	*75	*42
18-34 years	14,332	9,030	5,775	2,872	1,463	2,451	1,018	157	214
35-44 years	6,965	4,656	3,038	1,458	507	992	728	-	83
45-54 years	4,904	3,091	2,042	958	325	744	656	*31	*57
55-64 years	5,264	2,772	1,904	785	328	811	1,239	*7	106
65 years and over	6,808	2,845	1,819	914	368	957	2,491	*30	116
Midwest									
All ages	56,240	33,907	21,269	11,698	4,494	7,521	6,732	2,205	1,380
2-4 years	2,643	897	525	337	*51	*22	-	1,489	184
5-11 years	5,934	4,619	2,839	1,646	423	363	*22	424	*82
12-17 years	5,378	4,072	2,621	1,320	418	593	107	*73	116
18-34 years	16,578	10,279	5,807	4,174	1,808	2,801	1,139	163	388
35-44 years	7,866	5,076	3,314	1,674	720	1,111	794	*10	155
45-54 years	5,672	3,376	2,351	932	431	827	856	*22	159
55-64 years	5,159	2,683	1,896	717	339	809	1,206	*16	106
65 years and over	7,011	2,906	1,917	899	304	995	2,607	*9	189
South									
All ages	78,306	39,479	23,973	13,795	7,579	12,766	11,296	5,235	1,953
2-4 years	3,899	994	672	283	111	*37	-	2,481	276
5-11 years	8,138	4,998	3,093	1,674	731	814	98	1,368	128
12-17 years	7,689	4,709	2,887	1,550	790	1,160	432	466	131
18-34 years	23,613	12,325	7,163	4,702	2,854	4,775	2,508	594	557
35-44 years	11,143	6,291	3,803	2,172	1,265	1,906	1,321	115	245
45-54 years	7,605	3,817	2,390	1,298	714	1,430	1,374	*65	204
55-64 years	7,199	3,156	1,935	1,084	581	1,272	1,945	*55	191
65 years and over	9,021	3,189	2,030	1,033	532	1,374	3,617	90	219
West									
All ages	45,348	27,359	17,195	9,422	4,129	6,491	3,876	2,486	1,007
2-4 years	2,380	738	481	211	*74	*24	-	1,427	117
5-11 years	4,831	3,391	2,186	1,121	415	369	*58	520	*78
12-17 years	4,062	2,876	1,786	981	318	505	166	121	*76
18-34 years	13,910	8,088	4,681	3,180	1,486	2,596	1,136	288	316
35-44 years	6,574	4,226	2,690	1,458	704	1,013	446	*69	116
45-54 years	4,485	2,849	1,871	915	450	655	416	*38	*76
55-64 years	4,411	2,660	1,858	734	336	675	607	*14	119
65 years and over	4,698	2,531	1,642	823	346	654	1,048	*10	109

Table 2. Percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected demographic characteristics: United States, 1986

[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]

Characteristic	Interval since last dental visit							
	All intervals ¹	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never
		Total	Less than 6 months	6-11 months				
Percent distribution								
All ages ²	100.0	57.1	35.8	19.3	8.7	14.6	12.3	5.0
2-4 years	100.0	31.3	20.1	9.7	2.5	0.8	-	58.7
5-17 years	100.0	70.3	44.3	22.9	8.4	10.0	2.1	7.6
5-11 years	100.0	70.7	44.3	23.4	8.0	7.6	0.8	11.4
12-17 years	100.0	69.9	44.3	22.3	8.7	12.6	3.6	3.4
18-34 years	100.0	58.0	34.2	21.8	11.1	18.4	8.5	1.8
18-24 years	100.0	56.5	32.7	21.7	12.2	18.7	7.6	2.5
25-34 years	100.0	59.0	35.2	21.9	10.4	18.3	9.0	1.3
35-54 years	100.0	60.5	38.9	19.7	9.3	15.7	11.9	0.6
35-44 years	100.0	62.2	39.5	20.8	9.8	15.4	10.1	0.6
45-54 years	100.0	57.9	38.2	18.1	8.5	16.1	14.6	0.7
55-64 years	100.0	51.2	34.5	15.1	7.2	16.2	22.7	0.4
65 years and over	100.0	41.7	26.9	13.3	5.6	14.5	35.5	0.5
65-74 years	100.0	46.2	31.0	13.7	5.4	15.3	30.3	0.5
75 years and over	100.0	34.4	20.2	12.6	5.9	13.2	43.8	*0.5
SEX								
Male								
All ages	100.0	54.9	33.7	19.2	9.1	15.6	12.5	5.6
2-4 years	100.0	31.2	20.6	9.2	2.3	*1.1	-	58.4
5-11 years	100.0	69.4	43.9	22.4	8.4	7.8	0.9	12.0
12-17 years	100.0	68.1	41.6	23.1	9.2	13.5	4.0	3.6
18-34 years	100.0	53.2	29.9	21.5	11.5	20.6	10.1	2.2
35-44 years	100.0	59.2	37.3	20.2	10.2	16.3	11.4	0.9
45-54 years	100.0	55.8	36.0	18.1	8.6	17.4	15.5	*0.7
55-64 years	100.0	50.1	33.2	15.3	7.9	16.6	22.6	*0.4
65 years and over	100.0	40.9	26.2	13.3	5.8	14.7	35.7	*0.6
65-74 years	100.0	45.2	30.2	13.7	5.4	15.4	31.1	*0.6
75 years and over	100.0	32.6	18.5	12.5	6.4	13.3	44.6	*0.6
Female								
All ages	100.0	59.2	37.8	19.3	8.3	13.7	12.0	4.6
2-4 years	100.0	31.3	19.5	10.3	2.6	*0.5	-	58.9
5-11 years	100.0	72.0	44.8	24.4	7.6	7.4	0.8	10.7
12-17 years	100.0	71.8	47.0	21.5	8.3	11.7	3.2	3.3
18-34 years	100.0	62.7	38.4	22.1	10.8	16.4	6.9	1.3
35-44 years	100.0	65.1	41.5	21.3	9.4	14.6	8.8	*0.3
45-54 years	100.0	60.0	40.2	18.1	8.4	14.9	13.6	*0.7
55-64 years	100.0	52.1	35.6	14.9	6.6	15.8	22.7	*0.4
65 years and over	100.0	42.2	27.4	13.3	5.5	14.3	35.3	*0.5
65-74 years	100.0	47.0	31.7	13.8	5.4	15.1	29.6	*0.4
75 years and over	100.0	35.3	21.2	12.7	5.6	13.1	43.4	*0.5
RACE								
White								
All ages	100.0	59.2	37.5	19.6	8.5	13.8	12.0	4.5
2-4 years	100.0	32.1	20.5	10.0	2.2	*0.8	-	58.3
5-11 years	100.0	73.4	46.6	23.8	7.6	6.8	0.8	10.2
12-17 years	100.0	72.9	47.1	22.4	8.3	11.4	3.2	2.7
18-34 years	100.0	60.4	35.8	22.6	11.2	17.6	7.7	1.3
35-44 years	100.0	64.3	41.3	21.1	9.6	14.5	9.7	0.4
45-54 years	100.0	59.8	39.8	18.4	8.1	15.5	14.3	0.5
55-64 years	100.0	53.4	36.4	15.4	7.0	15.2	21.9	*0.3
65 years and over	100.0	43.7	28.5	13.7	5.7	14.0	34.1	0.3
65-74 years	100.0	48.5	32.9	14.1	5.5	14.6	28.9	*0.3
75 years and over	100.0	36.1	21.5	12.9	6.0	13.0	42.5	*0.5
Black								
All ages	100.0	43.6	24.4	16.9	9.5	19.7	14.9	8.3
2-4 years	100.0	26.0	15.1	9.6	*4.0	*1.2	-	60.6
5-11 years	100.0	57.2	32.1	21.3	10.3	11.8	*1.2	16.9
12-17 years	100.0	54.6	30.1	21.0	11.2	19.2	6.3	-7.0
18-34 years	100.0	44.8	25.1	17.6	10.8	23.9	12.9	-3.6
35-44 years	100.0	46.2	26.0	17.9	10.9	22.7	14.4	*1.2
45-54 years	100.0	44.7	25.4	16.5	9.3	21.6	17.8	*1.7
55-64 years	100.0	30.6	17.8	11.5	7.7	25.4	30.9	*1.5
65 years and over	100.0	20.6	10.1	9.7	4.2	18.8	50.0	*2.0
65-74 years	100.0	24.8	13.2	10.7	*4.0	22.0	42.7	*2.5
75 years and over	100.0	13.3	*4.8	*7.8	*4.5	13.2	62.7	*1.2

See footnotes at end of table.

Table 2. Percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected demographic characteristics: United States, 1986—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 II]

Characteristic	All intervals ¹	Interval since last dental visit							Never
		Total	Less than 1 year		1 year up to 2 years	2 years up to 5 years	5 years or more		
			Less than 6 months	6-11 months					
HISPANIC ORIGIN									
Non-Hispanic									
Percent distribution									
All ages	100.0	58.0	36.6	19.3	8.6	14.5	12.3	4.4	
2-4 years	100.0	32.6	21.0	10.1	2.5	*0.8	-	57.0	
5-11 years	100.0	72.3	45.4	23.8	8.2	7.3	0.6	10.3	
12-17 years	100.0	71.1	45.3	22.5	8.7	12.4	3.1	2.9	
18-34 years	100.0	59.1	35.1	22.0	11.0	18.2	8.2	1.3	
35-44 years	100.0	63.0	40.2	20.9	9.5	15.4	9.8	0.4	
45-54 years	100.0	58.8	39.2	18.0	8.3	15.9	14.2	0.5	
55-64 years	100.0	51.4	35.0	14.9	7.2	16.0	22.5	*0.4	
65 years and over	100.0	42.1	27.3	13.4	5.5	14.3	35.4	0.4	
Hispanic									
All ages	100.0	47.1	26.6	18.3	10.1	16.1	12.2	12.4	
2-4 years	100.0	21.4	13.9	6.8	*2.2	*0.9	-	70.7	
5-11 years	100.0	57.7	35.5	19.7	6.9	10.1	*2.9	20.3	
12-17 years	100.0	58.7	34.1	20.9	9.1	14.3	8.2	8.9	
18-34 years	100.0	46.5	24.9	19.4	12.3	21.1	11.7	6.3	
35-44 years	100.0	51.2	30.2	19.7	14.0	15.8	13.6	*3.3	
45-54 years	100.0	43.9	22.1	20.5	11.8	19.6	20.1	*3.1	
55-64 years	100.0	45.7	24.6	17.8	*7.0	19.2	25.6	*1.4	
65 years and over	100.0	27.6	14.3	11.4	*8.8	18.6	38.5	*2.7	
Mexican-American:									
All ages	100.0	40.3	21.7	16.2	10.4	16.9	13.7	17.1	
2-4 years	100.0	20.4	13.3	*5.8	*2.3	*1.5	-	73.3	
5-11 years	100.0	49.0	29.1	18.0	7.7	12.8	*4.4	24.3	
12-17 years	100.0	51.9	29.6	18.8	10.8	13.4	11.3	12.4	
18-34 years	100.0	40.2	20.9	16.5	11.6	22.0	14.3	10.0	
35-44 years	100.0	37.4	20.0	16.3	18.2	16.9	19.6	*7.0	
45-54 years	100.0	36.0	16.4	17.5	*11.9	22.5	22.6	*5.1	
55-64 years	100.0	45.5	19.3	22.1	*7.1	21.0	22.3	*3.2	
65 years and over	100.0	*21.3	*9.1	*9.9	*8.2	*19.6	44.9	*5.1	
Other Hispanic:									
All ages	100.0	54.7	32.1	20.7	9.7	15.3	10.5	7.0	
2-4 years	100.0	23.3	*14.7	*8.6	*2.2	-	-	66.3	
5-11 years	100.0	71.1	45.5	22.3	*5.7	*6.0	*0.7	14.2	
12-17 years	100.0	67.5	39.8	23.6	*6.9	15.3	*4.3	*4.3	
18-34 years	100.0	53.9	29.5	22.8	13.2	20.0	8.7	*2.0	
35-44 years	100.0	62.9	39.0	22.6	10.4	14.9	8.4	*0.2	
45-54 years	100.0	50.7	27.1	23.2	11.7	17.1	18.0	*1.3	
55-64 years	100.0	45.9	28.8	14.5	*7.0	17.8	28.1	-	
65 years and over	100.0	31.9	17.9	*12.3	*9.3	17.9	34.0	*0.8	
PLACE OF RESIDENCE									
MSA									
All ages	100.0	58.6	37.1	19.4	8.6	14.3	11.3	4.8	
2-4 years	100.0	32.0	21.0	9.5	2.6	*0.7	-	57.4	
5-11 years	100.0	72.3	45.6	23.8	7.6	7.6	0.8	10.2	
12-17 years	100.0	71.2	45.4	22.4	8.7	12.1	3.3	2.7	
18-34 years	100.0	58.7	34.9	21.7	10.8	18.1	8.3	1.8	
35-44 years	100.0	63.7	40.8	20.9	9.6	14.6	9.4	0.7	
45-54 years	100.0	59.6	39.6	18.1	8.4	15.6	13.3	0.7	
55-64 years	100.0	53.6	37.1	14.8	7.1	15.6	20.8	*0.3	
65 years and over	100.0	43.6	28.5	13.5	5.8	14.6	32.8	0.5	
Central city:									
All ages	100.0	54.3	33.2	19.3	9.0	15.8	12.7	5.5	
2-4 years	100.0	29.1	18.6	9.5	*2.6	*0.7	-	61.1	
5-11 years	100.0	67.5	40.4	24.8	7.7	9.3	*1.0	12.7	
12-17 years	100.0	65.1	38.3	23.5	9.3	14.4	4.5	4.1	
18-34 years	100.0	56.0	33.2	21.1	11.3	19.0	9.1	2.2	
35-44 years	100.0	58.3	35.9	20.7	10.8	16.5	10.6	1.2	
45-54 years	100.0	54.4	34.9	18.0	9.1	17.7	14.8	*0.9	
55-64 years	100.0	50.1	33.0	15.5	7.0	18.9	21.1	*0.4	
65 years and over	100.0	41.1	26.0	13.4	5.4	14.9	35.4	*0.6	

See footnotes at end of table.

Table 2. Percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected demographic characteristics: United States, 1986—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 II]

Characteristic	Interval since last dental visit							
	All intervals ¹	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never
		Total	Less than 6 months	6-11 months				
Percent distribution								
Not central city:								
All ages	100.0	61.4	39.6	19.4	8.3	13.3	10.3	4.4
2-4 years	100.0	33.8	22.4	9.5	2.7	*0.6	—	55.2
5-11 years	100.0	75.1	48.7	23.2	7.5	6.5	*0.6	8.6
12-17 years	100.0	74.6	49.5	21.8	8.4	10.8	2.6	2.0
18-34 years	100.0	60.7	36.1	22.2	10.4	17.5	7.7	1.5
35-44 years	100.0	66.8	43.6	20.9	9.0	13.6	8.7	*0.4
45-54 years	100.0	62.6	42.4	18.2	7.9	14.3	12.4	*0.5
55-64 years	100.0	55.9	39.7	14.3	7.2	13.4	20.7	*0.3
65 years and over	100.0	45.6	30.4	13.6	6.1	14.4	30.7	*0.4
Not MSA								
All ages	100.0	52.3	31.6	18.9	9.1	15.6	15.6	5.9
2-4 years	100.0	29.1	17.4	10.4	*2.0	*1.3	—	62.7
5-11 years	100.0	65.7	40.3	22.0	9.4	7.6	*1.0	15.3
12-17 years	100.0	66.1	40.8	21.9	8.9	14.0	4.4	5.5
18-34 years	100.0	55.5	31.7	22.1	12.4	19.6	9.2	1.7
35-44 years	100.0	56.8	34.6	20.5	10.5	18.2	12.7	*0.4
45-54 years	100.0	52.4	33.4	18.0	8.8	18.1	18.9	*0.8
55-64 years	100.0	43.8	26.8	16.0	7.5	18.0	28.2	*0.7
65 years and over	100.0	36.5	22.8	12.8	5.2	14.0	42.4	*0.5
GEOGRAPHIC REGION								
Northeast								
All ages	100.0	61.3	39.9	18.7	7.5	13.5	12.6	3.3
2-4 years	100.0	39.6	26.1	11.7	*1.8	*0.4	—	50.3
5-11 years	100.0	78.4	50.0	22.9	6.8	5.1	*0.3	7.9
12-17 years	100.0	77.4	51.0	21.6	8.1	10.2	*1.6	*1.7
18-34 years	100.0	63.0	40.3	20.0	10.2	17.1	7.1	1.1
35-44 years	100.0	66.8	43.6	20.9	7.3	14.2	10.5	—
45-54 years	100.0	63.0	41.6	19.5	6.6	15.2	13.4	*0.6
55-64 years	100.0	52.7	36.2	14.9	6.2	15.4	23.5	*0.1
65 years and over	100.0	41.8	26.7	13.4	5.4	14.1	36.6	*0.4
Midwest								
All ages	100.0	60.3	37.8	20.8	8.0	13.4	12.0	3.9
2-4 years	100.0	33.9	19.9	12.8	*1.9	*0.8	—	56.3
5-11 years	100.0	77.8	47.8	27.7	7.1	6.1	*0.4	7.1
12-17 years	100.0	75.7	48.7	24.5	7.8	11.0	2.0	*1.4
18-34 years	100.0	62.0	35.0	25.2	10.9	16.9	6.9	1.0
35-44 years	100.0	64.5	42.1	21.3	9.2	14.1	10.1	*0.1
45-54 years	100.0	59.5	41.4	16.4	7.6	14.6	15.1	*0.4
55-64 years	100.0	52.0	36.8	13.9	6.6	15.7	23.4	*0.3
65 years and over	100.0	41.4	27.3	12.8	4.3	14.2	37.2	*0.1
South								
All ages	100.0	50.4	30.6	17.6	9.7	16.3	14.4	6.7
2-4 years	100.0	25.5	17.2	7.3	2.8	*0.9	—	63.6
5-11 years	100.0	61.4	38.0	20.6	9.0	10.0	1.2	16.8
12-17 years	100.0	61.2	37.5	20.2	10.3	15.1	5.6	6.1
18-34 years	100.0	52.2	30.3	19.9	12.1	20.2	10.6	2.5
35-44 years	100.0	56.5	34.1	19.5	11.4	17.1	11.9	1.0
45-54 years	100.0	50.2	31.4	17.1	9.4	18.8	18.1	*0.9
55-64 years	100.0	43.8	26.9	15.1	8.1	17.7	27.0	*0.8
65 years and over	100.0	35.4	22.5	11.5	5.9	15.2	40.1	1.0
West								
All ages	100.0	60.3	37.9	20.8	9.1	14.3	8.5	5.5
2-4 years	100.0	31.0	20.2	8.9	*3.1	*1.0	—	60.0
5-11 years	100.0	70.2	45.2	23.2	8.6	7.6	*1.2	10.8
12-17 years	100.0	70.8	44.0	24.2	7.8	12.4	4.1	3.0
18-34 years	100.0	58.1	33.7	22.9	10.7	18.7	8.2	2.1
35-44 years	100.0	64.3	40.9	22.2	10.7	15.4	6.8	*1.0
45-54 years	100.0	63.5	41.7	20.4	10.0	14.6	9.3	*0.8
55-64 years	100.0	60.3	42.1	16.6	7.6	15.3	13.8	*0.3
65 years and over	100.0	53.9	35.0	17.5	7.4	13.9	22.3	*0.2

¹Includes unknown interval.

²Includes persons of other races not shown separately.

Table 3. Number of persons 2 years of age and over, by interval since last dental visit and selected socioeconomic characteristics: United States, 1986

[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]

Characteristic	Interval since last dental visit								
	All intervals	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never	Unknown
		Total	Less than 6 months	6-11 months					
EDUCATIONAL LEVEL¹									
Less than 9 years									
Number in thousands									
All ages, 22 years and over	18,653	5,159	3,037	1,885	1,255	3,661	7,724	500	355
22-34 years	2,189	825	479	310	172	502	402	229	*60
35-44 years	1,680	560	300	231	161	397	451	*73	*38
45-54 years	2,323	747	451	262	238	545	695	*80	*18
55-64 years	3,792	1,026	645	351	259	814	1,586	*46	*61
65 years and over	8,669	2,001	1,162	730	424	1,404	4,590	*71	178
9-11 years									
All ages, 22 years and over	19,093	7,481	4,380	2,814	1,580	4,064	5,329	318	321
22-34 years	5,530	2,448	1,281	1,055	599	1,357	850	185	90
35-44 years	2,992	1,262	767	434	318	693	656	*33	*30
45-54 years	2,744	1,066	665	370	177	619	778	*46	*57
55-64 years	3,415	1,277	826	408	238	642	1,172	*18	*67
65 years and over	4,413	1,428	841	547	247	753	1,873	*35	*77
12 years									
All ages, 22 years and over	59,905	32,835	20,521	11,299	5,915	10,993	8,672	312	1,178
22-34 years	21,700	11,776	6,874	4,517	2,476	4,556	2,229	206	456
35-44 years	12,139	7,046	4,448	2,370	1,295	2,189	1,350	*43	216
45-54 years	9,302	5,282	3,369	1,755	920	1,617	1,272	*23	188
55-64 years	8,764	4,742	3,170	1,431	697	1,475	1,697	*18	136
65 years and over	8,001	3,989	2,660	1,226	527	1,156	2,125	*22	181
13 years or more									
All ages, 22 years and over	58,972	41,425	26,855	13,346	5,311	7,277	4,032	196	731
22-34 years	23,935	16,082	9,806	5,777	2,607	3,545	1,271	137	293
35-44 years	15,425	11,271	7,296	3,653	1,414	1,713	814	*37	177
45-54 years	8,010	5,962	4,134	1,682	577	839	518	*8	107
55-64 years	5,713	4,160	2,925	1,104	386	582	483	*3	99
65 years and over	5,888	3,949	2,695	1,131	327	599	947	*11	*55
FAMILY INCOME²									
Less than \$10,000									
All ages	32,220	13,164	7,653	5,077	3,048	5,723	7,473	2,318	495
2-4 years	1,670	449	289	146	*44	*14	-	1,065	99
5-11 years	3,363	1,888	1,103	692	395	419	*45	586	*30
12-17 years	2,743	1,558	879	604	318	500	186	136	*45
18-34 years	10,460	5,434	3,260	2,043	1,220	2,115	1,246	331	114
35-44 years	2,424	945	473	438	351	513	537	*49	*29
45-54 years	1,598	533	299	229	129	346	518	*53	*20
55-64 years	2,808	769	461	279	193	607	1,163	*33	*43
65 years and over	7,154	1,588	889	645	399	1,208	3,778	*66	114
65-74 years	3,628	842	497	314	170	706	1,800	*43	*68
75 years and over	3,527	747	392	332	230	503	1,979	*22	*46
\$10,000-\$19,000									
All ages	43,537	20,661	12,158	7,677	4,091	7,975	7,241	3,015	555
2-4 years	2,315	595	360	215	*80	*19	-	1,501	120
5-11 years	4,360	2,695	1,520	1,058	364	438	*59	756	*48
12-17 years	3,695	2,129	1,198	820	378	659	215	265	*48
18-34 years	13,573	6,832	3,778	2,806	1,706	3,007	1,545	358	125
35-44 years	4,662	2,174	1,283	783	490	1,039	872	*50	*39
45-54 years	3,003	1,248	809	396	284	730	674	*35	*32
55-64 years	4,341	1,776	1,158	575	353	915	1,230	*31	*35
65 years and over	7,587	3,211	2,051	1,026	436	1,167	2,647	*20	107
65-74 years	5,008	2,220	1,460	688	291	813	1,598	*20	*66
75 years and over	2,580	991	592	338	145	354	1,049	-	*42

See footnotes at end of table.

Table 3. Number of persons 2 years of age and over, by interval since last dental visit and selected socioeconomic characteristics: United States, 1986—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 II]

Characteristic	Interval since last dental visit								
	All intervals	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never	Unknown
		Total	Less than 6 months	6-11 months					
Number in thousands									
\$20,000-\$34,999									
All ages	60,478	36,892	23,089	12,444	5,400	8,815	5,673	2,947	750
2-4 years	3,171	991	602	334	*61	*26	-	1,903	191
5-11 years	6,787	5,000	3,200	1,596	508	517	*48	654	*59
12-17 years	5,623	3,999	2,564	1,247	537	745	152	167	*23
18-34 years	19,763	12,073	7,002	4,640	2,112	3,637	1,518	153	269
35-44 years	8,919	5,505	3,416	1,905	914	1,501	926	*19	*54
45-54 years	5,446	3,068	2,032	935	519	928	834	*32	*66
55-64 years	5,741	3,208	2,197	908	470	841	1,164	*8	*51
65 years and over	5,027	3,048	2,075	879	281	620	1,032	*10	*37
65-74 years	3,589	2,293	1,586	641	204	457	598	*8	*29
75 years and over	1,438	756	490	238	*77	163	433	*2	*8
\$35,000 or more									
All ages	62,066	45,607	30,473	13,676	4,887	6,038	3,047	1,697	791
2-4 years	2,604	1,120	780	282	*67	*15	-	1,208	193
5-11 years	6,455	5,573	3,699	1,643	346	172	*13	298	*53
12-17 years	6,612	5,675	3,879	1,564	416	367	*57	*49	*49
18-34 years	16,740	11,622	7,289	3,982	1,769	2,267	707	113	262
35-44 years	12,475	9,427	6,308	2,864	1,058	1,325	575	*8	*82
45-54 years	9,047	6,476	4,501	1,802	722	1,080	682	*11	*75
55-64 years	5,490	3,945	2,745	1,075	361	591	533	*7	*54
65 years and over	2,642	1,769	1,273	463	149	220	479	*3	*22
65-74 years	1,877	1,351	998	322	93	153	264	-	*17
75 years and over	765	419	274	141	*55	*67	215	*3	*6
DENTAL INSURANCE COVERAGE³									
Private dental insurance									
All ages	86,600	60,728	40,165	18,591	6,797	9,353	5,254	3,403	1,064
2-4 years	4,363	1,620	1,065	485	116	*34	-	2,321	271
5-11 years	10,057	8,144	5,402	2,428	631	488	*32	678	83
12-17 years	9,247	7,570	5,061	2,196	633	683	148	144	*69
18-34 years	25,810	17,941	11,230	6,178	2,510	3,626	1,306	158	269
35-44 years	15,949	11,500	7,649	3,547	1,369	1,906	998	*40	136
45-54 years	10,152	6,949	4,829	1,898	860	1,249	979	*36	*80
55-64 years	7,776	4,885	3,445	1,294	548	1,046	1,166	*12	120
65 years and over	3,246	2,120	1,485	563	131	321	625	*13	*35
65-74 years	2,477	1,649	1,177	421	115	245	439	*13	*15
75 years and over	769	471	308	143	*16	*76	186	-	*20
No private dental insurance									
All ages	129,932	64,896	38,878	23,581	12,086	21,828	21,059	7,587	2,476
2-4 years	6,130	1,709	1,078	553	155	*54	-	3,819	393
5-11 years	12,530	7,955	4,719	2,874	1,181	1,231	156	1,869	138
12-17 years	11,305	6,930	4,137	2,426	1,181	1,868	602	545	178
18-34 years	38,269	19,770	11,108	7,956	4,612	8,083	4,150	929	725
35-44 years	15,133	8,132	4,848	2,962	1,693	2,851	2,139	120	199
45-54 years	11,339	5,679	3,548	1,995	1,003	2,156	2,197	114	190
55-64 years	13,009	5,964	3,873	1,907	971	2,257	3,547	*66	204
65 years and over	22,217	8,757	5,566	2,908	1,290	3,329	8,267	125	449
65-74 years	13,316	5,823	3,862	1,795	731	2,107	4,294	*69	292
75 years and over	8,902	2,934	1,704	1,112	559	1,222	3,974	*56	156

¹Persons with unknown educational level not shown separately.

²Persons with unknown income not shown separately.

³Persons with unknown insurance coverage not shown separately.

Table 4. Percent distribution of persons 2 years of age and over by Interval since last dental visit, according to selected socioeconomic characteristics: United States, 1986

[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]

Characteristic	Interval since last dental visit							
	All intervals ¹	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never
		Total	Less than 6 months	6-11 months				
EDUCATIONAL LEVEL²								
Less than 9 years								
Percent distribution								
All ages, 22 years and over	100.0	27.7	16.3	10.1	6.7	19.6	41.4	2.7
22-34 years	100.0	37.7	21.9	14.2	7.9	22.9	18.4	10.5
35-44 years	100.0	33.3	17.9	13.8	9.6	23.6	26.8	*4.3
45-54 years	100.0	32.2	19.4	11.3	10.2	23.5	29.9	*3.4
55-64 years	100.0	27.1	17.0	9.3	6.8	21.5	41.8	*1.2
65 years and over	100.0	23.1	13.4	8.4	4.9	16.2	52.9	*0.8
9-11 years								
All ages, 22 years and over	100.0	39.2	22.9	14.7	8.3	21.3	27.9	1.7
22-34 years	100.0	44.3	23.2	19.1	10.8	24.5	15.4	3.3
35-44 years	100.0	42.2	25.6	14.5	10.6	23.2	21.9	*1.1
45-54 years	100.0	38.8	24.2	13.5	6.5	22.6	28.4	*1.7
55-64 years	100.0	37.4	24.2	11.9	7.0	18.8	34.3	*0.5
65 years and over	100.0	32.4	19.1	12.4	5.6	17.1	42.4	*0.8
12 years								
All ages, 22 years and over	100.0	54.8	34.3	18.9	9.9	18.4	14.5	0.5
22-34 years	100.0	54.3	31.7	20.8	11.4	21.0	10.3	0.9
35-44 years	100.0	58.0	36.6	19.5	10.7	18.0	11.1	*0.4
45-54 years	100.0	56.8	36.2	18.9	9.9	17.4	13.7	*0.2
55-64 years	100.0	54.1	36.2	16.3	8.0	16.8	19.4	*0.2
65 years and over	100.0	49.9	33.2	15.3	6.6	14.4	26.6	*0.3
13 years or more								
All ages, 22 years and over	100.0	70.2	45.5	22.6	9.0	12.3	6.8	0.3
22-34 years	100.0	67.2	41.0	24.1	10.9	14.8	5.3	0.6
35-44 years	100.0	73.1	47.3	23.7	9.2	11.1	5.3	*0.2
45-54 years	100.0	74.4	51.8	21.0	7.2	10.5	6.5	*0.1
55-64 years	100.0	72.8	51.2	19.3	6.8	10.2	8.5	*0.1
65 years and over	100.0	67.1	45.8	19.2	5.6	10.2	16.1	*0.2
FAMILY INCOME³								
Less than \$10,000								
All ages	100.0	40.9	23.8	15.8	9.5	17.8	23.2	7.2
2-4 years	100.0	26.9	17.3	8.7	*2.6	*0.8	-	63.8
5-11 years	100.0	56.1	32.8	20.6	11.7	12.5	*1.3	17.4
12-17 years	100.0	56.8	32.0	22.0	11.6	18.2	6.8	5.0
18-34 years	100.0	52.0	31.2	19.5	11.7	20.2	11.9	3.2
35-44 years	100.0	39.0	19.5	18.1	14.5	21.2	22.2	*2.0
45-54 years	100.0	33.4	18.7	14.3	8.1	21.7	32.4	*3.3
55-64 years	100.0	27.4	16.4	9.9	6.9	21.6	41.4	*1.2
65 years and over	100.0	22.2	12.4	9.0	5.6	16.9	52.8	*0.9
65-74 years	100.0	23.2	13.7	8.7	4.7	19.5	49.6	*1.2
75 years and over	100.0	21.2	11.1	9.4	6.5	14.3	56.1	*0.6
\$10,000-\$19,000								
All ages	100.0	47.5	27.9	17.6	9.4	18.3	16.6	6.9
2-4 years	100.0	25.7	15.6	9.3	*3.5	*0.8	-	64.8
5-11 years	100.0	61.8	34.9	24.3	8.3	10.0	*1.4	17.3
12-17 years	100.0	57.6	32.4	22.2	10.2	17.8	5.8	7.2
18-34 years	100.0	50.3	27.8	20.7	12.6	22.2	11.4	2.6
35-44 years	100.0	46.6	27.5	16.8	10.5	22.3	18.7	*1.1
45-54 years	100.0	41.6	26.9	13.2	9.5	24.3	22.4	*1.2
55-64 years	100.0	40.9	26.7	13.2	8.1	21.1	28.3	*0.7
65 years and over	100.0	42.3	27.0	13.5	5.7	15.4	34.9	*0.3
65-74 years	100.0	44.3	29.2	13.7	5.8	16.2	31.9	*0.4
75 years and over	100.0	38.4	22.9	13.1	5.6	13.7	40.7	-

See footnotes at end of table.

Table 4. Percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected socioeconomic characteristic: United States, 1986—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 II]

Characteristic	Interval since last dental visit							
	All intervals ¹	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never
		Total	Less than 6 months	6-11 months				
\$20,000-\$34,999								
Percent distribution								
All ages	100.0	61.0	38.2	20.6	8.9	14.6	9.4	4.9
2-4 years	100.0	31.3	19.0	10.5	*1.9	*0.8	-	60.0
5-11 years	100.0	73.7	47.1	23.5	7.5	7.6	*0.7	9.6
12-17 years	100.0	71.1	45.6	22.2	9.6	13.2	2.7	3.0
18-34 years	100.0	61.1	35.4	23.5	10.7	18.4	7.7	0.8
35-44 years	100.0	61.7	38.3	21.4	10.2	16.8	10.4	*0.2
45-54 years	100.0	56.3	37.3	17.2	9.5	17.0	15.3	*0.6
55-64 years	100.0	55.9	38.3	15.8	8.2	14.6	20.3	*0.1
65 years and over	100.0	60.6	41.3	17.5	5.6	12.3	20.5	*0.2
65-74 years	100.0	63.9	44.2	17.9	5.7	12.7	16.7	*0.2
75 years and over	100.0	52.6	34.1	16.6	*5.4	11.3	30.1	*0.1
\$35,000 or more								
All ages	100.0	73.5	49.1	22.0	7.9	9.7	4.9	2.7
2-4 years	100.0	43.0	30.0	10.8	*2.6	*0.6	-	46.4
5-11 years	100.0	86.3	57.3	25.5	5.4	2.7	*0.2	4.6
12-17 years	100.0	85.8	58.7	23.7	6.3	5.6	*0.9	*0.7
18-34 years	100.0	69.4	43.5	23.8	10.6	13.5	4.2	0.7
35-44 years	100.0	75.6	50.6	23.0	8.5	10.6	4.6	*0.1
45-54 years	100.0	71.6	49.8	19.9	8.0	11.9	7.5	*0.1
55-64 years	100.0	71.9	50.0	19.6	6.6	10.8	9.7	*0.1
65 years and over	100.0	67.0	48.2	17.5	5.6	8.3	18.1	*0.1
65-74 years	100.0	72.0	53.2	17.2	5.0	8.2	14.1	-
75 years and over	100.0	54.8	35.8	18.4	*7.2	*8.8	28.1	*0.4
DENTAL INSURANCE COVERAGE⁴								
Private dental insurance								
All ages	100.0	70.1	46.4	21.5	7.8	10.8	6.1	3.9
2-4 years	100.0	37.1	24.4	11.1	2.7	*0.8	-	53.2
5-11 years	100.0	81.0	53.7	24.1	6.3	4.9	*0.3	6.7
12-17 years	100.0	81.9	54.7	23.7	6.8	7.4	1.6	1.6
18-34 years	100.0	69.5	43.5	23.9	9.7	14.0	5.1	0.6
35-44 years	100.0	72.1	48.0	22.2	8.6	12.0	6.3	*0.3
45-54 years	100.0	68.4	47.6	18.7	8.5	12.3	9.6	*0.4
55-64 years	100.0	62.8	44.3	16.6	7.0	13.5	15.0	*0.2
65 years and over	100.0	65.3	45.7	17.3	4.0	9.9	19.3	*0.4
65-74 years	100.0	66.6	47.5	17.0	4.6	9.9	17.7	*0.5
75 years and over	100.0	61.2	40.1	18.6	*2.1	*9.9	24.2	-
No private dental insurance								
All ages	100.0	49.9	29.9	18.1	9.3	16.8	16.2	5.8
2-4 years	100.0	27.9	17.6	9.0	2.5	*0.9	-	62.3
5-11 years	100.0	63.5	37.7	22.9	9.4	9.8	1.2	14.9
12-17 years	100.0	61.3	36.6	21.5	10.4	16.5	5.3	4.8
18-34 years	100.0	51.7	29.0	20.8	12.1	21.1	10.8	2.4
35-44 years	100.0	53.7	32.0	19.6	11.2	18.8	14.1	0.8
45-54 years	100.0	50.1	31.3	17.6	8.8	19.0	19.4	1.0
55-64 years	100.0	45.8	29.8	14.7	7.5	17.3	27.3	*0.5
65 years and over	100.0	39.4	25.1	13.1	5.8	15.0	37.2	0.6
65-74 years	100.0	43.7	29.0	13.5	5.5	15.8	32.2	*0.5
75 years and over	100.0	33.0	19.1	12.5	6.3	13.7	44.6	*0.6

¹Includes unknown interval.

²Persons with unknown educational level not shown separately.

³Persons with unknown income not shown separately.

⁴Persons with unknown insurance coverage not shown separately.

Table 5. Number of persons 2 years of age and over, by interval since last dental visit and selected health characteristics: United States, 1986

[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]

Characteristic	Interval since last dental visit								
	All intervals	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never	Unknown
		Total	Less than 6 months	6-11 months					
ASSESSED HEALTH STATUS¹									
Excellent or very good									
Number in thousands									
All ages	151,010	94,055	59,129	31,565	13,428	20,191	12,219	8,173	2,944
2-4 years	8,555	2,812	1,803	881	203	*67	-	4,917	557
5-11 years	18,750	13,743	8,705	4,460	1,476	1,282	121	1,858	270
12-17 years	16,668	12,127	7,755	3,778	1,411	1,898	555	463	214
18-34 years	50,613	30,681	18,080	11,553	5,696	8,872	3,709	690	965
35-44 years	22,792	15,078	9,709	4,927	2,204	3,262	1,848	125	275
45-54 years	13,524	8,773	5,780	2,734	1,105	1,853	1,438	*71	283
55-64 years	9,922	5,849	3,937	1,752	725	1,494	1,651	*16	187
65 years and over	10,188	4,993	3,360	1,479	608	1,463	2,897	*34	193
Good									
All ages	53,599	27,240	16,974	9,238	4,576	8,972	8,590	2,758	1,461
2-4 years	1,906	488	304	159	*58	*21	-	1,213	127
5-11 years	4,074	2,435	1,462	865	352	459	*54	694	*80
12-17 years	4,067	2,477	1,497	875	359	697	171	247	116
18-34 years	14,461	7,413	4,402	2,743	1,586	2,990	1,621	433	418
35-44 years	7,094	3,976	2,389	1,436	694	1,250	889	*46	239
45-54 years	5,956	3,067	2,008	973	540	1,172	1,020	*29	128
55-64 years	7,040	3,523	2,429	952	481	1,105	1,718	*37	175
65 years and over	9,001	3,861	2,483	1,235	507	1,277	3,118	*59	179
Fair or poor									
All ages	23,482	9,124	5,689	3,123	1,839	4,157	7,198	561	604
2-4 years	300	*67	*59	*9	*8	*1	-	190	*32
5-11 years	546	343	218	111	*47	*25	*17	110	*4
12-17 years	624	347	223	106	100	90	*46	*24	*17
18-34 years	3,173	1,503	873	581	322	748	461	*70	*69
35-44 years	2,584	1,159	728	381	290	503	553	*23	*57
45-54 years	3,120	1,265	842	393	272	620	831	*57	*75
55-64 years	4,962	1,875	1,212	611	374	960	1,598	*40	115
65 years and over	8,173	2,564	1,534	931	426	1,210	3,692	*46	235
LIMITATION OF ACTIVITY									
Unable to carry on major activity									
All ages	9,241	3,568	2,217	1,212	665	1,683	2,886	175	264
2-4 years	*81	*20	*9	*10	*8	-	-	*50	*3
5-11 years	*68	*49	*30	*20	*2	*5	-	*12	-
12-17 years	*73	*39	*20	*19	*14	*8	*8	*4	-
18-34 years	1,234	627	366	220	*78	308	144	*30	*46
35-44 years	998	425	247	159	122	178	240	*5	*29
45-54 years	1,235	506	349	136	105	220	356	*17	*32
55-64 years	2,619	976	619	325	189	487	891	*13	*63
65 years and over	2,933	926	577	323	147	477	1,248	*44	90
Limited in amount or kind of major activity									
All ages	12,944	6,465	4,263	2,022	1,012	2,017	2,896	331	223
2-4 years	169	*64	*40	*24	*7	*1	-	92	*4
5-11 years	945	647	418	208	*61	103	*8	116	*10
12-17 years	861	545	357	178	107	123	*34	*32	*19
18-34 years	1,941	1,071	709	326	211	393	199	*31	*36
35-44 years	1,622	891	569	283	168	291	233	*11	*29
45-54 years	1,624	877	590	275	112	274	336	*11	*11
55-64 years	2,457	1,225	842	357	152	386	617	*33	*44
65 years and over	3,325	1,146	737	371	193	446	1,470	*4	*66

See footnotes at end of table.

Table 5. Number of persons 2 years of age and over, by interval since last dental visit and selected health characteristics: United States, 1986—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 II]

Characteristic	Interval since last dental visit								
	All Intervals	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never	Unknown
		Total	Less than 6 months	6-11 months					
Number in thousands									
Limited, but not in major activity									
All ages	10,682	5,400	3,533	1,705	811	1,610	2,551	117	193
2-4 years	98	*47	*32	*8	*3	-	-	*40	*7
5-11 years	323	239	125	104	*25	*27	*7	*25	-
12-17 years	445	324	209	101	*50	*45	*11	*11	*4
18-34 years	1,725	940	608	319	209	354	178	*20	*24
35-44 years	1,218	795	542	227	101	155	148	*4	*14
45-54 years	1,075	613	417	180	98	186	143	*7	*28
55-64 years	1,359	626	467	144	84	232	399	-	*17
65 years and over	4,440	1,815	1,133	624	241	610	1,664	*11	98
Not limited in activity									
All ages	196,167	115,430	72,017	39,178	17,406	28,109	19,783	10,942	4,497
2-4 years	10,512	3,267	2,102	1,015	252	88	-	6,189	716
5-11 years	22,167	15,681	9,847	5,162	1,797	1,647	177	2,522	344
12-17 years	20,076	14,096	8,915	4,488	1,706	2,524	719	688	342
18-34 years	63,533	37,083	21,743	14,062	7,113	11,567	5,280	1,120	1,370
35-44 years	28,710	18,138	11,487	6,092	2,805	4,397	2,668	174	526
45-54 years	18,731	11,138	7,298	3,513	1,606	2,977	2,469	121	421
55-64 years	15,598	8,444	5,665	2,495	1,159	2,461	3,090	*46	398
65 years and over	16,840	7,584	4,960	2,351	968	2,448	5,381	*80	379
DENTITION STATUS ²									
Dentate									
35 years and over	85,113	54,147	35,397	17,097	7,512	12,860	9,241	487	866
35-44 years	30,971	20,110	12,765	6,706	3,138	4,667	2,582	190	285
45-54 years	19,791	12,782	8,436	3,994	1,774	3,024	1,820	149	241
55-64 years	16,993	10,664	7,226	3,107	1,414	2,559	2,107	*73	178
65 years and over	17,358	10,591	6,971	3,290	1,187	2,610	2,732	*75	162
65-74 years	11,781	7,353	5,015	2,124	754	1,782	1,706	*55	131
75 years and over	5,577	3,239	1,956	1,165	433	828	1,026	*21	*31
Edentulous									
35 years and over	18,630	1,978	1,102	757	737	3,365	12,110	95	345
35-44 years	1,277	139	*80	*55	*58	355	707	*4	*14
45-54 years	2,647	351	218	109	147	632	1,482	*8	*27
55-64 years	4,771	608	367	213	170	1,008	2,889	*20	*77
65 years and over	9,936	880	437	380	362	1,371	7,031	*64	227
65-74 years	5,048	494	259	210	170	809	3,433	*29	113
75 years and over	4,887	386	178	169	192	561	3,598	*35	115

¹Persons with unknown health status not shown separately.
²Persons with unknown dentition status not shown separately.

Table 6. Percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected health characteristics: United States, 1986

[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]

Characteristic	Interval since last dental visit							
	All intervals ¹	Less than 1 year			1 year up to 2 years	2 years up to 5 years	5 years or more	Never
		Total	Less than 6 months	6-11 months				
ASSESSED HEALTH STATUS²								
Excellent or very good								
All ages	100.0	62.3	39.2	20.9	8.9	13.4	8.1	5.4
2-4 years	100.0	32.9	21.1	10.3	2.4	*0.8	-	57.5
5-11 years	100.0	73.3	46.4	23.8	7.9	6.8	0.6	9.9
12-17 years	100.0	72.8	46.5	22.7	8.5	11.4	3.3	2.8
18-34 years	100.0	60.6	35.7	22.8	11.3	17.5	7.3	1.4
35-44 years	100.0	66.2	42.6	21.6	9.7	14.3	8.1	0.5
45-54 years	100.0	64.9	42.7	20.2	8.2	13.7	10.6	*0.5
55-64 years	100.0	58.9	39.7	17.7	7.3	15.1	16.6	*0.2
65 years and over	100.0	49.0	33.0	14.5	6.0	14.4	28.4	*0.3
Good								
All ages	100.0	50.8	31.7	17.2	8.5	16.7	16.0	5.1
2-4 years	100.0	25.6	15.9	8.3	*3.0	*1.1	-	63.6
5-11 years	100.0	59.8	35.9	21.2	8.6	11.3	*1.3	17.0
12-17 years	100.0	60.9	36.8	21.5	8.8	17.1	4.2	6.1
18-34 years	100.0	51.3	30.4	19.0	11.0	20.7	11.2	3.0
35-44 years	100.0	56.0	33.7	20.2	9.8	17.6	12.5	*0.6
45-54 years	100.0	51.5	33.7	16.3	9.1	19.7	17.1	*0.5
55-64 years	100.0	50.0	34.5	13.5	6.8	15.7	24.4	*0.5
65 years and over	100.0	42.9	27.6	13.7	5.6	14.2	34.6	*0.7
Fair or poor								
All ages	100.0	38.9	24.2	13.3	7.8	17.7	30.7	2.4
2-4 years	100.0	*22.3	*19.7	*3.0	*2.7	*0.3	-	63.3
5-11 years	100.0	62.8	39.9	20.3	*8.6	*4.6	*3.1	20.1
12-17 years	100.0	55.6	35.7	17.0	16.0	14.4	*7.4	*3.8
18-34 years	100.0	47.4	27.5	18.3	10.1	23.6	14.5	*2.2
35-44 years	100.0	44.9	28.2	14.7	11.2	19.5	21.4	*0.9
45-54 years	100.0	40.5	27.0	12.6	8.7	19.9	26.6	*1.8
55-64 years	100.0	37.8	24.4	12.3	7.5	19.3	32.2	*0.8
65 years and over	100.0	31.4	18.8	11.4	5.2	14.8	45.2	*0.6
LIMITATION OF ACTIVITY								
Unable to carry on major activity								
All ages	100.0	38.6	24.0	13.1	7.2	18.2	31.2	1.9
2-4 years	100.0	*24.7	*11.1	*12.3	*9.9	-	-	*61.7
5-11 years	100.0	*72.1	*44.1	*29.4	*2.9	*7.4	-	*17.6
12-17 years	100.0	*53.4	*27.4	*26.0	*19.2	*11.0	*11.0	*5.5
18-34 years	100.0	50.8	29.7	17.8	*6.3	25.0	11.7	*2.4
35-44 years	100.0	42.6	24.7	15.9	12.2	17.8	24.0	*0.5
45-54 years	100.0	41.0	28.3	11.0	8.5	17.8	28.8	*1.4
55-64 years	100.0	37.3	23.6	12.4	7.2	18.6	34.0	*0.5
65 years and over	100.0	31.6	19.7	11.0	5.0	16.3	42.6	*1.5
Limited in amount or kind of major activity								
All ages	100.0	49.9	32.9	15.6	7.8	15.6	22.4	2.6
2-4 years	100.0	*37.9	*23.7	*14.2	*4.1	*0.6	-	54.4
5-11 years	100.0	68.5	44.2	22.0	*6.5	10.9	*0.8	12.3
12-17 years	100.0	63.3	41.5	20.7	12.4	14.3	*3.9	*3.7
18-34 years	100.0	55.2	36.5	16.8	10.9	20.2	10.3	*1.6
35-44 years	100.0	54.9	35.1	17.4	10.4	17.9	14.4	*0.7
45-54 years	100.0	54.0	36.3	16.9	6.9	16.9	20.7	*0.7
55-64 years	100.0	49.9	34.3	14.5	6.2	15.7	25.1	*1.3
65 years and over	100.0	34.5	22.2	11.2	5.8	13.4	44.2	*0.1

See footnotes at end of table.

Table 6. Percent distribution of persons 2 years of age and over by interval since last dental visit, according to selected health characteristics: United States, 1986—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 II]

Characteristic	All intervals ¹	Interval since last dental visit							Never
		Total	Less than 1 year		1 year up to 2 years	2 years up to 5 years	5 years or more		
			Less than 6 months	6-11 months					
Limited, but not in major activity		Percent distribution							
All ages	100.0	50.6	33.1	16.0	7.6	15.1	23.9	1.1	
2-4 years	100.0	*48.0	*32.7	*8.2	*3.1	—	—	*40.8	
5-11 years	100.0	74.0	38.7	32.2	*7.7	*8.4	*2.2	*7.7	
12-17 years	100.0	72.8	47.0	22.7	*11.2	*10.1	*2.5	*2.5	
18-34 years	100.0	54.5	35.2	18.5	12.1	20.5	10.3	*1.2	
35-44 years	100.0	65.3	44.5	18.6	8.3	12.7	12.2	*0.3	
45-54 years	100.0	57.0	38.8	16.7	9.1	17.3	13.3	*0.7	
55-64 years	100.0	46.1	34.4	10.6	6.2	17.1	29.4	—	
65 years and over	100.0	40.9	25.5	14.1	5.4	13.7	37.5	*0.2	
Not limited in activity									
All ages	100.0	58.8	36.7	20.0	8.9	14.3	10.1	5.6	
2-4 years	100.0	31.1	20.0	9.7	2.4	0.8	—	58.9	
5-11 years	100.0	70.7	44.4	23.3	8.1	7.4	0.8	11.4	
12-17 years	100.0	70.2	44.4	22.4	8.5	12.6	3.6	3.4	
18-34 years	100.0	58.4	34.2	22.1	11.2	18.2	8.3	1.8	
35-44 years	100.0	63.2	40.0	21.2	9.8	15.3	9.3	0.6	
45-54 years	100.0	59.5	39.0	18.8	8.6	15.9	13.2	0.6	
55-64 years	100.0	54.1	36.3	16.0	7.4	15.8	19.8	*0.3	
65 years and over	100.0	45.0	29.5	14.0	5.7	14.5	32.0	*0.5	
DENTITION STATUS³									
Dentate									
35 years and over	100.0	63.6	41.6	20.1	8.8	15.1	10.9	0.6	
35-44 years	100.0	64.9	41.2	21.7	10.1	15.1	8.3	0.6	
45-54 years	100.0	64.6	42.6	20.2	9.0	15.3	9.2	0.8	
55-64 years	100.0	62.8	42.5	18.3	8.3	15.1	12.4	*0.4	
65 years and over	100.0	61.0	40.2	19.0	6.8	15.0	15.7	*0.4	
65-74 years	100.0	62.4	42.6	18.0	6.4	15.1	14.5	*0.5	
75 years and over	100.0	58.1	35.1	20.9	7.8	14.8	18.4	*0.4	
Edentulous									
35 years and over	100.0	10.6	5.9	4.1	4.0	18.1	65.0	0.5	
35-44 years	100.0	10.9	*6.3	*4.3	*4.5	27.8	55.4	*0.3	
45-54 years	100.0	13.3	8.2	4.1	5.6	23.9	56.0	*0.3	
55-64 years	100.0	12.7	7.7	4.5	3.6	21.1	60.6	*0.4	
65 years and over	100.0	8.9	4.4	3.8	3.6	13.8	70.8	*0.6	
65-74 years	100.0	9.8	5.1	4.2	3.4	16.0	68.0	*0.6	
75 years and over	100.0	7.9	3.6	3.5	3.9	11.5	73.6	*0.7	

¹Includes unknown interval.

²Persons with unknown health status not shown separately.

³Persons with unknown dentition status not shown separately.

Table 7. Percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected demographic characteristics: United States, 1986

[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]

Characteristic	Number of visits in the past year									
	Total ¹	None	1	2	3 or more	3	4	5-12	13 or more	
					Percent distribution					
All ages ²	100.0	41.3	22.8	19.0	14.8	5.1	3.4	5.4	0.9	
2-4 years	100.0	65.0	20.1	7.8	2.9	1.3	0.8	0.8	*0.0	
5-17 years	100.0	28.6	28.9	24.0	16.7	4.9	2.9	6.7	2.2	
5-11 years	100.0	28.3	31.0	25.9	13.0	5.1	2.9	4.4	0.6	
12-17 years	100.0	28.8	26.5	21.9	20.7	4.7	2.9	9.3	3.9	
18-34 years	100.0	40.4	25.0	18.2	14.2	5.2	3.1	5.1	0.8	
18-24 years	100.0	41.8	25.2	17.9	12.8	4.6	2.7	4.7	0.8	
25-34 years	100.0	39.6	24.8	18.5	15.1	5.6	3.4	5.3	0.9	
35-54 years	100.0	38.0	21.7	21.1	17.3	6.1	4.3	6.2	0.7	
35-44 years	100.0	36.4	22.6	22.0	17.2	6.1	4.4	6.0	0.6	
45-54 years	100.0	40.4	20.4	19.8	17.4	6.1	4.2	6.4	0.7	
55-64 years	100.0	47.1	17.5	17.3	15.8	5.7	4.1	5.4	0.7	
65 years and over	100.0	57.1	14.7	14.4	11.9	4.4	3.2	4.1	*0.3	
65-74 years	100.0	52.4	15.7	16.5	13.5	5.1	3.5	4.5	*0.4	
75 years and over	100.0	64.6	13.0	11.1	9.5	3.2	2.6	3.5	*0.1	
SEX										
Male										
All ages	100.0	43.6	23.0	17.8	13.5	5.1	3.0	4.7	0.8	
2-4 years	100.0	64.7	19.9	8.1	2.8	*1.2	*0.7	*0.9	*0.0	
5-11 years	100.0	29.6	30.5	25.9	12.0	5.1	2.7	3.8	*0.3	
12-17 years	100.0	30.7	28.1	20.8	18.5	4.8	2.0	8.1	3.6	
18-34 years	100.0	45.2	24.9	15.8	11.8	4.8	2.6	3.8	0.6	
35-44 years	100.0	39.4	22.0	20.7	16.0	6.3	3.6	5.6	0.5	
45-54 years	100.0	42.8	20.5	18.1	17.0	6.1	4.4	6.0	*0.4	
55-64 years	100.0	48.2	17.0	16.7	15.8	5.9	4.1	5.3	*0.6	
65 years and over	100.0	57.9	15.0	13.8	11.5	4.4	3.5	3.3	*0.3	
65-74 years	100.0	53.5	16.0	15.8	12.9	4.9	4.0	3.6	*0.3	
75 years and over	100.0	66.5	12.9	10.0	8.9	3.4	2.5	2.8	*0.2	
Female										
All ages	100.0	39.2	22.5	20.1	16.0	5.2	3.7	6.0	1.1	
2-4 years	100.0	65.2	20.2	7.6	3.1	*1.4	*1.0	*0.8	-	
5-11 years	100.0	27.0	31.5	26.0	14.0	5.0	3.1	5.0	0.8	
12-17 years	100.0	26.9	24.9	23.1	23.0	4.6	3.8	10.4	4.2	
18-34 years	100.0	35.8	25.0	20.5	16.6	5.6	3.6	6.2	1.1	
35-44 years	100.0	33.5	23.2	23.2	18.3	6.0	5.1	6.4	0.7	
45-54 years	100.0	38.1	20.3	21.4	17.9	6.2	4.1	6.7	0.9	
55-64 years	100.0	46.2	18.0	17.8	15.8	5.5	4.1	5.5	0.7	
65 years and over	100.0	56.5	14.5	14.9	12.2	4.4	2.9	4.6	*0.3	
65-74 years	100.0	51.6	15.5	17.1	14.0	5.3	3.1	5.1	*0.4	
75 years and over	100.0	63.5	13.0	11.7	9.8	3.1	2.7	3.9	*0.1	
RACE										
White										
All ages	100.0	39.4	23.1	20.1	15.5	5.3	3.5	5.6	1.0	
2-4 years	100.0	64.3	20.9	8.0	2.8	1.1	0.9	*0.8	-	
5-11 years	100.0	25.7	31.6	27.9	13.1	5.0	2.9	4.6	0.6	
12-17 years	100.0	25.9	26.6	23.3	22.4	4.6	2.9	10.2	4.6	
18-34 years	100.0	38.2	25.7	19.3	14.8	5.4	3.2	5.3	0.9	
35-44 years	100.0	34.4	22.7	23.2	18.0	6.5	4.6	6.3	0.7	
45-54 years	100.0	38.8	20.7	20.6	18.2	6.5	4.5	6.4	0.7	
55-64 years	100.0	45.0	17.9	18.5	16.6	5.9	4.3	5.7	0.7	
65 years and over	100.0	55.1	15.0	15.5	12.6	4.6	3.3	4.4	*0.3	
65-74 years	100.0	50.2	16.0	17.9	14.2	5.4	3.7	4.8	*0.3	
75 years and over	100.0	62.9	13.5	11.8	9.9	3.4	2.6	3.8	*0.2	
Black										
All ages	100.0	53.8	20.7	11.1	10.9	4.3	2.7	3.5	0.4	
2-4 years	100.0	68.7	16.0	6.2	*3.3	*2.4	*0.3	*0.5	*0.1	
5-11 years	100.0	41.3	28.8	15.0	12.5	5.8	3.1	3.2	*0.4	
12-17 years	100.0	44.3	26.7	13.8	12.4	5.2	2.9	3.9	*0.4	
18-34 years	100.0	52.3	20.5	11.8	11.8	4.6	2.9	3.7	*0.6	
35-44 years	100.0	50.8	20.9	11.9	12.4	4.2	3.6	4.3	*0.3	
45-54 years	100.0	52.0	18.5	12.7	13.0	4.3	*2.2	6.1	*0.3	
55-64 years	100.0	66.4	14.6	6.7	8.9	*3.2	*1.7	*3.6	*0.3	
65 years and over	100.0	77.2	10.8	*3.5	5.5	*2.1	*2.1	*0.7	*0.5	
65-74 years	100.0	73.1	13.9	*4.0	6.2	*2.3	*2.0	*1.1	*0.8	
75 years and over	100.0	84.3	*5.6	*2.7	*4.3	*1.8	*2.5	*0.1	-	

See footnotes at end of table.

Table 7. Percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected demographic characteristics: United States, 1986—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 II]

Characteristic	Number of visits in the past year									
	Total ^a	None	1	2	3 or more	3	4	5-12	13 or more	
HISPANIC ORIGIN										
Non-Hispanic										
		Percent distribution								
All ages	100.0	40.5	22.9	19.4	15.1	5.2	3.5	5.4	0.9	
2-4 years	100.0	63.5	21.0	8.3	2.9	1.2	*0.8	*0.9	*0.0	
5-11 years	100.0	26.9	31.5	26.6	13.2	5.2	3.0	4.4	0.6	
12-17 years	100.0	27.6	26.6	22.6	21.1	4.7	3.1	9.4	4.0	
18-34 years	100.0	39.3	25.3	18.8	14.5	5.3	3.3	5.1	0.9	
35-44 years	100.0	35.6	22.7	22.5	17.4	6.3	4.4	6.1	0.6	
45-54 years	100.0	39.5	20.4	20.3	17.8	6.2	4.4	6.5	0.7	
55-64 years	100.0	46.8	17.4	17.4	16.1	5.7	4.1	5.6	0.7	
65 years and over	100.0	56.6	14.8	14.5	12.2	4.5	3.2	4.1	*0.3	
Hispanic										
All ages	100.0	51.5	21.3	13.8	11.4	3.9	2.0	4.7	0.8	
2-4 years	100.0	76.0	13.3	*4.4	*3.4	*1.6	*1.3	*0.5	-	
5-11 years	100.0	40.6	26.3	20.0	10.6	3.5	*2.2	4.5	*0.4	
12-17 years	100.0	40.6	26.3	15.5	16.3	4.6	*1.2	8.2	*2.4	
18-34 years	100.0	52.3	21.5	12.4	11.7	4.6	1.5	4.8	*0.8	
35-44 years	100.0	47.1	21.6	15.1	14.3	4.0	4.4	5.1	*0.8	
45-54 years	100.0	55.0	20.0	11.6	12.2	*5.0	*1.3	*4.9	*0.9	
55-64 years	100.0	53.6	19.2	15.4	10.7	*4.6	*2.6	*2.8	*0.7	
65 years and over	100.0	70.4	9.8	12.1	*4.6	-	*2.2	*2.4	-	
Mexican-American:										
All ages	100.0	58.9	20.0	10.4	9.5	3.7	1.5	3.7	*0.6	
2-4 years	100.0	78.1	13.1	*3.4	*3.9	*2.2	*0.9	*0.9	-	
5-11 years	100.0	49.4	24.5	15.9	8.1	*2.3	*2.6	*3.0	*0.2	
12-17 years	100.0	47.9	25.5	10.6	15.7	*5.4	*0.6	7.7	*2.0	
18-34 years	100.0	59.3	19.1	10.5	9.8	4.5	*0.8	4.0	*0.5	
35-44 years	100.0	61.9	15.5	9.4	12.2	*2.9	*3.7	*4.6	*1.1	
45-54 years	100.0	62.1	22.3	*6.2	*7.5	*3.7	*1.1	*2.7	-	
55-64 years	100.0	53.6	24.2	*12.9	*8.4	*5.2	*1.7	*0.6	*0.6	
65 years and over	100.0	78.7	*10.2	*7.7	*3.1	-	*2.0	*1.1	-	
Other Hispanic:										
All ages	100.0	43.3	22.8	17.6	13.5	4.2	2.5	5.7	1.1	
2-4 years	100.0	72.4	*13.7	*5.9	*2.7	*0.6	*1.8	-	-	
5-11 years	100.0	27.0	29.1	26.5	14.5	*5.4	*1.5	*6.9	*0.8	
12-17 years	100.0	31.4	27.2	21.9	17.2	*3.4	*1.8	*8.9	*3.0	
18-34 years	100.0	44.3	24.1	14.7	13.8	4.7	*2.2	5.8	*1.0	
35-44 years	100.0	34.3	26.8	20.0	16.1	*5.1	*5.0	*5.5	*0.7	
45-54 years	100.0	48.7	18.0	16.4	16.3	*6.2	*1.5	*6.9	*1.7	
55-64 years	100.0	53.6	15.3	17.3	*12.6	*4.0	*3.3	*4.5	*0.7	
65 years and over	100.0	64.4	*9.5	*15.2	*5.6	-	*2.3	*3.3	-	
PLACE OF RESIDENCE										
MSA										
All ages	100.0	39.7	22.6	19.7	15.7	5.4	3.6	5.7	1.0	
2-4 years	100.0	64.1	19.9	8.4	3.2	1.5	*0.9	*0.8	*0.0	
5-11 years	100.0	26.7	31.6	27.0	12.8	5.0	3.0	4.2	0.6	
12-17 years	100.0	27.4	26.5	22.4	21.7	4.8	3.1	9.5	4.4	
18-34 years	100.0	39.6	24.6	18.8	14.8	5.3	3.3	5.3	0.9	
35-44 years	100.0	34.7	22.2	22.5	18.5	6.7	4.6	6.5	0.7	
45-54 years	100.0	38.4	19.6	20.6	19.1	6.6	4.5	7.2	0.8	
55-64 years	100.0	44.6	17.3	18.5	17.3	5.9	4.6	6.0	0.7	
65 years and over	100.0	54.8	14.6	15.0	13.4	4.7	3.8	4.5	*0.4	
Central city:										
All ages	100.0	43.8	21.8	17.2	14.6	5.1	3.3	5.3	0.9	
2-4 years	100.0	67.0	17.9	7.4	3.2	*1.8	*0.4	*0.9	*0.1	
5-11 years	100.0	31.1	31.4	22.5	12.8	5.1	3.0	4.4	*0.2	
12-17 years	100.0	33.2	27.3	18.6	18.4	4.8	2.9	7.8	2.9	
18-34 years	100.0	42.3	23.5	16.5	15.1	5.4	3.2	5.5	1.0	
35-44 years	100.0	39.6	21.4	20.9	15.4	5.6	4.2	5.1	*0.5	
45-54 years	100.0	43.1	18.6	18.0	17.6	6.5	3.1	6.8	*1.2	
55-64 years	100.0	48.0	17.6	16.3	15.7	5.3	4.3	5.1	*0.9	
65 years and over	100.0	57.4	13.9	13.8	12.7	4.1	3.6	4.6	*0.4	

See footnotes at end of table.

Table 7. Percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected demographic characteristics: United States, 1986—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 II]

Characteristic	Number of visits in the past year								
	Total ¹	None	1	2	3 or more	3	4	5-12	13 or more
Percent distribution									
Not central city:									
All ages	100.0	37.0	23.1	21.4	16.4	5.5	3.8	5.9	1.1
2-4 years	100.0	62.4	21.2	9.0	3.2	*1.3	*1.2	*0.8	-
5-11 years	100.0	24.0	31.6	29.7	12.7	5.0	2.9	4.0	0.8
12-17 years	100.0	24.0	26.1	24.5	23.6	4.8	3.1	10.5	5.2
18-34 years	100.0	37.6	25.3	20.4	14.5	5.3	3.4	5.1	0.8
35-44 years	100.0	32.0	22.7	23.4	20.2	7.3	4.8	7.3	0.9
45-54 years	100.0	35.6	20.2	22.2	20.0	6.7	5.4	7.4	*0.5
55-64 years	100.0	42.3	17.1	19.8	18.4	6.3	4.8	6.6	*0.6
65 years and over	100.0	52.7	15.1	16.0	14.0	5.2	3.9	4.5	*0.4
Not MSA									
All ages	100.0	46.8	23.3	16.7	11.8	4.3	2.5	4.3	0.6
2-4 years	100.0	67.8	20.4	6.1	*2.0	*0.6	*0.6	*0.8	-
5-11 years	100.0	33.7	29.1	22.5	13.6	5.1	2.8	5.1	*0.6
12-17 years	100.0	33.3	26.5	20.6	17.5	4.3	2.3	8.4	2.5
18-34 years	100.0	43.7	26.4	16.1	12.2	4.9	2.3	4.3	0.8
35-44 years	100.0	42.2	24.0	20.0	12.5	4.3	3.6	4.4	*0.3
45-54 years	100.0	47.1	23.2	17.0	12.0	4.6	3.4	3.7	*0.3
55-64 years	100.0	54.7	18.1	13.8	11.4	4.8	2.5	3.7	*0.4
65 years and over	100.0	63.0	14.9	12.9	8.0	3.4	1.7	2.9	*0.0
GEOGRAPHIC REGION									
Northeast									
All ages	100.0	37.7	22.2	21.0	17.4	5.5	4.0	6.7	1.2
2-4 years	100.0	56.2	24.4	10.1	*3.9	*1.9	*0.9	*1.1	-
5-11 years	100.0	20.8	32.9	31.3	13.1	4.9	2.7	5.0	*0.5
12-17 years	100.0	22.2	28.3	25.4	23.0	5.2	4.2	9.7	4.0
18-34 years	100.0	36.0	23.8	21.4	17.1	5.9	3.8	6.2	1.2
35-44 years	100.0	32.5	22.1	23.4	20.9	6.7	4.9	8.5	*0.8
45-54 years	100.0	36.2	20.5	21.3	20.9	6.2	5.3	8.3	*1.1
55-64 years	100.0	45.9	16.4	17.6	18.5	5.2	5.2	6.8	*1.3
65 years and over	100.0	57.4	13.0	13.5	14.5	5.1	2.9	5.7	*0.8
Midwest									
All ages	100.0	37.9	23.7	21.1	15.1	5.6	3.4	5.2	0.9
2-4 years	100.0	62.7	22.7	8.1	*2.8	*1.3	*0.7	*0.7	-
5-11 years	100.0	21.2	34.0	29.0	14.6	5.9	3.4	4.7	*0.6
12-17 years	100.0	22.1	26.9	26.0	22.0	4.8	3.0	9.9	4.3
18-34 years	100.0	36.0	26.6	20.3	14.5	5.8	3.2	4.9	0.7
35-44 years	100.0	33.9	22.5	24.5	17.2	7.1	4.3	5.3	*0.5
45-54 years	100.0	38.4	19.1	22.0	18.2	6.7	4.7	6.1	*0.7
55-64 years	100.0	46.5	17.5	18.4	15.6	6.0	3.3	5.9	*0.4
65 years and over	100.0	56.8	15.4	15.3	10.7	4.1	3.0	3.4	*0.2
South									
All ages	100.0	48.0	21.5	16.1	12.1	4.4	2.7	4.4	0.7
2-4 years	100.0	70.4	16.1	6.9	2.2	*0.8	*0.7	*0.6	*0.1
5-11 years	100.0	37.7	27.8	21.0	11.8	4.7	2.4	4.1	*0.6
12-17 years	100.0	37.6	25.1	18.4	16.9	4.0	2.1	7.8	3.1
18-34 years	100.0	46.4	24.1	15.4	11.9	4.6	2.7	4.1	0.6
35-44 years	100.0	41.9	21.9	19.6	14.3	5.2	3.3	5.0	0.8
45-54 years	100.0	47.8	20.4	16.1	13.3	4.9	3.1	5.0	*0.3
55-64 years	100.0	54.4	16.7	14.8	11.9	4.8	2.7	4.0	*0.4
65 years and over	100.0	63.4	12.8	12.0	9.6	3.5	3.1	3.1	*0.0
West									
All ages	100.0	38.0	24.3	19.3	16.1	5.4	3.8	5.9	1.0
2-4 years	100.0	65.8	20.0	7.1	3.6	*1.5	*1.1	*1.1	-
5-11 years	100.0	28.6	30.9	25.3	12.8	4.8	3.4	4.1	*0.5
12-17 years	100.0	28.1	27.1	19.5	23.7	5.2	2.9	10.8	4.8
18-34 years	100.0	40.1	25.6	17.3	14.8	4.9	3.0	5.8	1.1
35-44 years	100.0	34.1	24.3	21.6	18.1	5.9	5.6	6.1	*0.4
45-54 years	100.0	35.1	22.1	21.5	19.7	7.4	4.4	6.9	*1.0
55-64 years	100.0	37.4	20.2	19.7	19.3	7.3	5.9	5.6	*0.5
65 years and over	100.0	44.7	19.5	19.2	14.4	5.4	4.1	4.8	*0.1

¹Includes unknown number of visits.

²Includes persons of other races not shown separately.

Table 8. Percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected socioeconomic characteristics: United States, 1986

[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]

Characteristic	Number of visits in the past year								
	Total ¹	None	1	2	3 or more	3	4	5-12	13 or more
EDUCATIONAL LEVEL²									
Less than 9 years									
Percent distribution									
All ages, 22 years and over	100.0	71.6	12.6	7.0	7.5	2.5	1.7	3.0	*0.3
22-34 years	100.0	60.6	16.9	9.9	9.4	*3.0	*2.2	3.9	*0.2
35-44 years	100.0	65.8	15.3	8.2	9.2	*2.4	*1.8	4.9	-
45-54 years	100.0	67.4	14.9	8.1	9.2	*2.7	*1.7	4.1	*0.7
55-64 years	100.0	72.2	11.6	6.8	7.9	3.0	*1.7	2.7	*0.5
65 years and over	100.0	76.3	10.8	5.7	6.1	2.2	1.5	2.3	*0.2
9-11 years									
All ages, 22 years and over	100.0	59.8	16.2	11.3	11.4	4.1	2.8	4.0	0.5
22-34 years	100.0	54.8	20.1	10.6	13.5	5.2	3.0	4.4	*0.8
35-44 years	100.0	57.2	18.2	10.7	12.9	4.5	3.8	3.9	*0.7
45-54 years	100.0	59.8	14.9	12.1	11.4	3.6	*2.3	5.3	*0.1
55-64 years	100.0	61.4	15.0	11.6	10.5	3.6	2.9	3.6	*0.4
65 years and over	100.0	66.7	11.9	11.7	8.6	3.0	2.1	3.2	*0.3
12 years									
All ages, 22 years and over	100.0	43.9	21.0	18.0	15.3	5.5	3.7	5.5	0.7
22-34 years	100.0	44.3	23.1	15.7	14.9	5.7	3.1	5.3	0.9
35-44 years	100.0	40.7	21.8	19.9	15.9	5.2	4.0	6.1	*0.5
45-54 years	100.0	41.7	21.9	18.4	16.3	5.6	4.2	5.7	*0.8
55-64 years	100.0	44.9	17.4	20.1	16.1	5.2	4.0	6.0	*0.8
65 years and over	100.0	48.9	17.0	18.3	13.7	5.4	3.9	4.1	*0.4
13 years or more									
All ages, 22 years and over	100.0	28.8	25.4	25.2	19.1	7.2	4.7	6.4	0.7
22-34 years	100.0	31.9	28.5	23.0	15.0	5.7	3.5	5.0	0.8
35-44 years	100.0	26.0	25.0	27.5	20.2	7.7	5.0	6.6	0.8
45-54 years	100.0	24.5	22.3	28.0	23.8	8.8	5.8	8.3	*0.8
55-64 years	100.0	25.8	23.7	24.0	24.6	9.3	6.8	7.8	*0.7
65 years and over	100.0	32.2	20.3	24.8	21.1	7.5	5.5	7.6	*0.4
FAMILY INCOME³									
Less than \$10,000									
All ages	100.0	58.4	19.1	11.1	10.0	3.7	2.2	3.5	0.5
2-4 years	100.0	69.5	18.6	*4.9	*2.8	*1.5	*0.4	*0.8	*0.1
5-11 years	100.0	43.4	27.7	16.0	11.7	4.4	3.4	3.7	*0.2
12-17 years	100.0	42.5	28.9	12.2	14.0	5.0	*2.5	5.6	*0.9
18-34 years	100.0	47.5	23.5	15.3	12.6	4.9	3.0	4.1	*0.6
35-44 years	100.0	60.4	20.3	8.2	9.9	3.5	*1.7	4.0	*0.6
45-54 years	100.0	65.9	13.5	8.4	11.0	*3.3	*1.4	*5.0	*1.3
55-64 years	100.0	72.0	10.5	7.3	9.1	3.3	*1.1	3.5	*1.2
65 years and over	100.0	77.2	9.4	6.6	5.6	2.1	1.6	1.8	*0.1
65-74 years	100.0	76.3	10.5	6.5	5.7	*2.1	*1.8	*1.7	*0.2
75 years and over	100.0	78.2	8.3	6.8	5.4	*2.2	*1.4	*1.9	-
\$10,000-\$19,000									
All ages	100.0	51.9	21.1	13.9	12.0	4.4	2.4	4.5	0.7
2-4 years	100.0	71.4	18.0	5.8	*1.8	*0.6	*0.9	*0.2	-
5-11 years	100.0	37.6	30.6	18.6	11.8	4.7	2.7	4.2	*0.1
12-17 years	100.0	41.6	24.7	16.7	15.8	4.9	*1.9	6.8	*2.1
18-34 years	100.0	49.1	23.7	13.1	12.9	5.1	2.3	4.8	0.8
35-44 years	100.0	52.9	20.5	13.4	12.5	4.6	2.8	4.5	*0.6
45-54 years	100.0	57.8	16.5	11.9	12.8	3.2	*2.6	5.9	*1.0
55-64 years	100.0	58.7	16.1	13.5	10.9	4.4	2.8	3.4	*0.4
65 years and over	100.0	57.5	15.4	14.9	11.5	4.3	2.7	4.4	*0.2
65-74 years	100.0	55.4	15.2	17.0	11.9	4.8	2.4	4.5	*0.2
75 years and over	100.0	61.6	15.8	10.9	10.9	3.3	*3.1	4.3	*0.1

See footnotes at the end of table.

Table 8. Percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected socioeconomic characteristics: United States, 1986—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 II]

Characteristic	Number of visits in the past year								
	Total ¹	None	1	2	3 or more	3	4	5-12	13 or more
\$20,000-\$34,999									
All ages	100.0	38.5	24.2	20.5	15.9	5.5	3.7	5.9	0.9
2-4 years	100.0	66.8	21.3	7.2	*2.3	*0.9	*0.3	*1.2	-
5-11 years	100.0	26.0	31.7	26.9	14.4	5.5	3.4	5.0	*0.5
12-17 years	100.0	28.8	27.5	21.5	21.4	5.3	3.6	9.0	3.5
18-34 years	100.0	38.1	25.6	19.6	15.5	5.3	3.6	5.8	0.8
35-44 years	100.0	38.1	22.9	21.6	17.0	6.1	4.5	5.8	*0.6
45-54 years	100.0	43.2	21.1	19.2	15.8	6.1	3.4	5.9	*0.3
55-64 years	100.0	43.8	17.9	20.5	16.9	5.6	4.4	6.2	*0.7
65 years and over	100.0	39.0	19.4	21.7	19.1	7.0	4.8	6.9	*0.4
65-74 years	100.0	35.7	19.8	22.5	21.4	8.5	5.2	7.2	*0.4
75 years and over	100.0	47.4	18.5	19.7	13.5	*3.3	*3.6	6.3	*0.3
\$35,000 or more									
All ages	100.0	25.7	25.8	27.0	20.1	6.8	4.5	7.3	1.5
2-4 years	100.0	53.0	25.2	13.2	4.2	*1.6	*1.8	*0.8	-
5-11 years	100.0	13.2	34.4	36.3	14.6	5.7	2.9	4.6	1.4
12-17 years	100.0	13.8	26.8	30.0	28.6	4.8	3.0	13.8	6.9
18-34 years	100.0	29.4	27.8	24.1	16.9	6.3	3.6	6.0	1.1
35-44 years	100.0	23.9	24.2	29.1	21.8	8.0	5.3	7.6	0.8
45-54 years	100.0	27.9	21.8	26.6	23.0	8.3	6.1	8.0	*0.7
55-64 years	100.0	27.4	22.8	24.2	24.3	8.6	6.8	8.2	*0.7
65 years and over	100.0	32.6	18.9	25.4	21.8	7.0	7.8	6.4	*0.5
65-74 years	100.0	27.5	19.2	28.1	23.7	7.4	8.9	6.7	*0.7
75 years and over	100.0	45.1	18.2	18.4	17.1	*6.1	*5.2	*5.9	-
DENTAL INSURANCE COVERAGE⁴									
Private dental insurance									
All ages	100.0	29.1	25.0	25.4	19.1	6.4	4.3	7.2	1.3
2-4 years	100.0	59.8	22.7	10.7	3.3	*1.4	*1.1	*0.9	-
5-11 years	100.0	18.5	31.8	33.2	15.4	6.0	3.2	5.4	*0.8
12-17 years	100.0	17.7	28.5	27.6	25.0	5.4	3.5	10.9	5.4
18-34 years	100.0	29.8	26.5	24.2	18.2	6.2	3.9	7.1	1.0
35-44 years	100.0	27.3	23.4	26.9	21.3	7.5	5.4	7.7	0.7
45-54 years	100.0	31.0	20.8	25.5	21.8	7.5	5.3	8.3	*0.7
55-64 years	100.0	36.1	20.2	22.1	20.0	7.6	5.1	6.6	*0.7
65 years and over	100.0	34.3	18.4	25.3	21.1	5.8	7.1	7.4	*0.8
65-74 years	100.0	33.1	18.4	26.1	21.6	6.2	7.5	7.2	*0.7
75 years and over	100.0	37.8	18.2	22.8	19.4	*4.6	*5.7	*8.1	*1.0
No private dental insurance									
All ages	100.0	48.9	21.5	15.3	12.5	4.5	2.9	4.4	0.8
2-4 years	100.0	68.6	18.7	6.1	2.7	*1.2	*0.7	*0.7	*0.0
5-11 years	100.0	35.9	30.8	20.3	11.4	4.5	2.9	3.6	*0.4
12-17 years	100.0	37.7	25.2	17.7	17.7	4.3	2.5	8.0	2.8
18-34 years	100.0	47.1	24.0	14.8	12.2	4.7	2.7	4.0	0.8
35-44 years	100.0	45.4	21.9	17.9	13.5	5.0	3.4	4.5	0.7
45-54 years	100.0	48.7	20.5	15.0	14.2	5.2	3.3	5.0	*0.7
55-64 years	100.0	53.2	16.4	15.2	13.8	4.5	3.8	4.8	0.7
65 years and over	100.0	59.6	14.3	13.4	11.1	4.3	2.7	3.8	*0.3
65-74 years	100.0	55.1	15.3	15.5	12.4	5.0	2.9	4.2	*0.4
75 years and over	100.0	66.3	12.7	10.3	9.1	3.3	2.5	3.2	*0.1

¹Includes unknown number of visits.

²Persons with unknown educational level not shown separately.

³Persons with unknown income not shown separately.

⁴Persons with unknown insurance coverage not shown separately.

Table 9. Percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected health characteristics: United States, 1986

[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]

Characteristic	Number of visits in the past year								
	Total ¹	None	1	2	3 or more	3	4	5-12	13 or more
ASSESSED HEALTH STATUS²									
Excellent or very good									
Percent distribution									
All ages	100.0	36.4	25.0	21.4	15.3	5.4	3.4	5.5	1.0
2-4 years	100.0	63.4	21.3	8.3	2.9	1.3	*0.8	*0.8	-
5-11 years	100.0	25.8	32.0	27.0	13.4	5.2	2.9	4.7	0.6
12-17 years	100.0	26.3	26.8	23.7	21.5	4.7	2.8	9.6	4.4
18-34 years	100.0	38.0	26.5	19.5	14.0	5.4	3.1	4.8	0.8
35-44 years	100.0	32.9	23.5	24.9	17.4	6.3	4.3	6.2	0.6
45-54 years	100.0	33.5	22.7	23.2	18.8	7.0	4.7	6.4	0.8
55-64 years	100.0	39.6	20.0	21.2	17.4	6.3	4.5	5.9	*0.7
65 years and over	100.0	49.9	16.3	17.6	14.4	5.4	4.2	4.6	*0.3
Good									
All ages	100.0	47.4	20.0	16.0	14.2	4.8	3.4	5.3	0.8
2-4 years	100.0	70.4	16.5	5.5	*2.8	*1.3	*0.8	*0.6	*0.1
5-11 years	100.0	39.0	26.8	21.7	10.8	4.7	2.5	3.2	*0.3
12-17 years	100.0	37.2	25.8	16.0	18.1	4.5	3.2	8.2	2.3
18-34 years	100.0	46.7	21.3	14.9	14.5	4.5	3.1	5.7	1.1
35-44 years	100.0	41.5	21.8	16.1	17.7	6.4	4.5	5.9	*0.8
45-54 years	100.0	46.9	18.3	17.2	15.3	4.6	3.9	6.5	*0.4
55-64 years	100.0	48.3	17.2	16.9	15.4	5.3	4.3	5.3	*0.5
65 years and over	100.0	56.2	15.0	15.7	11.7	4.5	2.8	4.0	*0.4
Fair or poor									
All ages	100.0	59.6	14.7	10.7	12.7	4.3	2.9	4.8	0.6
2-4 years	100.0	76.0	*12.0	*5.7	*3.7	*1.0	-	*2.3	-
5-11 years	100.0	36.4	27.8	18.5	*14.8	*4.6	*6.6	*3.7	-
12-17 years	100.0	42.6	22.9	14.4	17.1	*5.9	*2.2	*8.2	*0.6
18-34 years	100.0	51.1	17.3	12.6	16.5	5.6	2.9	6.7	*1.2
35-44 years	100.0	53.6	17.6	12.9	14.0	3.8	4.3	5.3	*0.8
45-54 years	100.0	57.9	14.8	10.0	15.4	5.5	3.1	5.9	*0.9
55-64 years	100.0	60.8	13.2	10.4	13.3	5.0	2.8	4.8	*0.8
65 years and over	100.0	67.0	12.3	9.1	9.2	3.1	2.4	3.5	*0.2
LIMITATION OF ACTIVITY									
Unable to carry on major activity									
All ages	100.0	59.6	13.7	10.8	13.4	4.6	3.0	4.7	1.0
2-4 years	*100.0	*71.6	*14.8	*4.9	*4.9	*4.9	-	-	-
5-11 years	*100.0	*27.9	*17.6	*32.4	*22.1	-	*22.1	-	-
12-17 years	*100.0	*46.6	*34.2	*5.5	*11.0	*5.5	-	-	*5.5
18-34 years	100.0	46.3	18.4	15.0	16.8	*4.2	*3.7	*6.6	*2.3
35-44 years	100.0	55.7	16.0	12.9	12.3	*4.9	*2.7	*4.3	*0.4
45-54 years	100.0	57.3	12.6	10.9	17.2	*6.5	*3.2	*5.9	*1.6
55-64 years	100.0	60.9	13.0	9.0	14.7	5.3	*2.9	5.2	*1.3
65 years and over	100.0	66.8	11.5	9.6	9.7	3.4	*2.6	3.4	*0.3
Limited in amount or kind of major activity									
All ages	100.0	49.1	18.1	15.9	15.4	5.9	3.1	5.5	0.8
2-4 years	100.0	59.8	*20.1	*10.1	*4.7	*1.8	*3.0	-	-
5-11 years	100.0	30.9	30.3	23.9	14.3	*8.3	*1.9	*3.3	*0.8
12-17 years	100.0	36.0	23.9	19.9	18.8	*4.8	*3.1	*8.5	*2.6
18-34 years	100.0	43.4	20.5	16.9	17.6	6.9	*2.4	6.5	*1.8
35-44 years	100.0	44.2	18.6	16.6	19.0	6.8	6.4	5.1	*0.8
45-54 years	100.0	45.3	17.4	15.3	20.6	7.1	*3.2	9.7	*0.6
55-64 years	100.0	49.2	16.5	15.5	17.2	7.3	*2.8	6.3	*0.8
65 years and over	100.0	64.5	12.9	12.4	8.3	3.1	2.6	2.5	*0.2

See footnotes at the end of table.

Table 9. Percent distribution of persons 2 years of age and over by number of dental visits in past year, according to selected health characteristics: United States, 1986—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 II]

Characteristic	Number of visits in the past year								
	Total ¹	None	1	2	3 or more	3	4	5-12	13 or more
Percent distribution									
Limited, but not in major activity									
All ages	100.0	48.4	17.7	16.6	15.4	5.0	3.5	5.9	1.0
2-4 years	100.0	*49.0	*27.6	*16.3	*4.1	*4.1	-	-	-
5-11 years	100.0	26.0	34.7	*25.1	*13.9	*8.4	*2.2	*3.4	-
12-17 years	100.0	26.3	27.2	19.6	26.1	*6.5	*2.2	*9.2	*8.1
18-34 years	100.0	44.6	19.2	16.9	17.2	6.9	*2.6	6.2	*1.6
35-44 years	100.0	34.3	22.7	21.2	21.0	*3.4	7.5	8.9	*1.3
45-54 years	100.0	40.3	16.2	19.7	20.4	*5.6	*6.0	8.0	*0.7
55-64 years	100.0	52.9	13.4	17.9	14.1	*3.6	*2.5	7.1	*0.9
65 years and over	100.0	58.1	15.1	13.2	11.8	4.7	2.8	4.1	*0.2
Not limited in activity									
All ages	100.0	39.6	23.8	19.7	14.8	5.1	3.4	5.4	0.9
2-4 years	100.0	65.2	20.0	7.7	2.9	1.2	0.8	0.8	*0.0
5-11 years	100.0	28.3	31.0	26.0	12.9	4.9	2.9	4.5	0.6
12-17 years	100.0	28.5	26.6	22.1	20.7	4.6	2.9	9.3	3.9
18-34 years	100.0	40.1	25.4	18.4	14.0	5.1	3.1	5.0	0.8
35-44 years	100.0	35.3	23.0	22.6	17.1	6.3	4.2	6.0	0.6
45-54 years	100.0	38.9	21.4	20.8	17.0	6.1	4.3	6.0	0.6
55-64 years	100.0	44.0	18.8	18.9	16.0	5.6	4.6	5.2	*0.5
65 years and over	100.0	53.6	15.4	16.0	13.1	4.7	3.5	4.5	*0.4
DENTITION STATUS³									
Dentate									
35 years and over	100.0	35.8	22.3	22.4	18.3	6.7	4.7	6.3	0.6
35-44 years	100.0	34.5	23.6	23.0	17.9	6.4	4.5	6.3	0.6
45-54 years	100.0	34.7	22.6	22.3	19.3	6.9	4.8	6.9	0.7
55-64 years	100.0	36.6	21.2	21.9	19.0	7.0	5.1	6.3	0.7
65 years and over	100.0	38.5	20.9	22.1	17.3	6.5	4.6	5.8	*0.3
65-74 years	100.0	37.0	20.7	23.2	18.0	7.0	4.7	5.9	*0.4
75 years and over	100.0	41.7	21.4	19.8	15.9	5.5	4.5	5.7	*0.1
Edentulous									
35 years and over	100.0	89.3	4.6	1.8	3.9	0.8	0.8	1.8	*0.4
35-44 years	100.0	89.0	*4.5	*1.9	*4.2	*0.8	*1.1	*1.5	*0.8
45-54 years	100.0	86.7	5.6	*2.6	4.8	*0.8	*0.6	*2.9	*0.5
55-64 years	100.0	87.3	5.3	2.0	5.3	*1.1	*0.8	2.7	*0.7
65 years and over	100.0	90.9	4.1	1.5	2.9	*0.7	*0.8	1.2	*0.3
65-74 years	100.0	90.1	4.5	*1.5	3.4	*0.7	*1.0	*1.3	*0.4
75 years and over	100.0	91.8	3.6	*1.4	2.3	*0.6	*0.5	*1.0	*0.2

¹Includes unknown number of visits.

²Persons with unknown health status not shown separately.

³Persons with unknown dentition status not shown separately.

Table 10. Number of visits and number of visits per person per year, by sex and selected demographic characteristics: United States, 1986

[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]

Characteristic	Number of visits			Number of visits per person		
	Total population	Male	Female	Total	Male	Female
All ages ¹	466,775	210,313	256,462	2.0	1.9	2.2
2-4 years	8,109	4,103	4,006	0.7	0.7	0.8
5-17 years	106,386	52,393	53,994	2.4	2.3	2.5
5-11 years	46,934	24,907	22,127	2.0	2.0	1.9
12-17 years	59,452	27,586	31,866	2.8	2.5	3.0
18-34 years	122,115	46,773	75,342	1.8	1.4	2.2
18-24 years	44,734	16,962	27,772	1.7	1.3	2.0
25-34 years	77,381	29,811	47,570	1.9	1.5	2.2
35-54 years	117,577	52,668	64,909	2.1	2.0	2.3
35-44 years	73,131	33,835	39,296	2.2	2.1	2.4
45-54 years	44,445	18,832	25,613	2.0	1.7	2.2
55-64 years	54,207	28,691	25,516	2.5	2.8	2.2
65 years and over	58,381	25,685	32,696	2.1	2.3	2.0
65-74 years	41,465	20,372	21,092	2.4	2.7	2.2
75 years and over	16,916	5,313	11,603	1.6	1.4	1.7
RACE						
White						
All ages	415,776	188,434	227,342	2.1	2.0	2.3
2-4 years	6,351	2,840	3,512	0.7	0.6	0.8
5-11 years	41,451	21,612	19,839	2.2	2.2	2.1
12-17 years	50,885	24,225	26,661	2.9	2.7	3.1
18-34 years	106,729	41,105	65,624	1.9	1.4	2.3
35-44 years	65,270	31,066	34,204	2.3	2.2	2.4
45-54 years	39,062	16,349	22,713	2.0	1.7	2.3
55-64 years	51,024	27,359	23,664	2.6	3.0	2.3
65 years and over	55,004	23,878	31,126	2.2	2.3	2.1
65-74 years	38,508	18,777	19,732	2.5	2.8	2.3
75 years and over	16,496	5,102	11,394	1.7	1.5	1.9
Black						
All ages	37,227	15,580	21,647	1.4	1.2	1.5
2-4 years	*913	*631	*283	*0.6	*0.8	*0.4
5-11 years	3,249	*1,746	*1,503	0.9	*0.9	*0.9
12-17 years	6,538	2,521	4,017	2.0	1.6	2.4
18-34 years	12,380	4,446	7,934	1.4	1.1	1.7
35-44 years	4,968	*1,866	3,102	1.5	*1.2	1.6
45-54 years	3,749	*1,967	*1,782	1.6	*1.8	*1.3
55-64 years	2,784	*1,029	*1,755	1.3	*1.1	*1.5
65 years and over	2,646	*1,374	*1,272	1.2	*1.5	*0.9
65-74 years	2,541	*1,374	*1,167	1.7	*2.2	*1.4
75 years and over	*105	-	*105	*0.1	-	*0.2
HISPANIC ORIGIN						
Non-Hispanic						
All ages	439,385	198,187	241,198	2.1	1.9	2.2
2-4 years	6,929	3,533	3,396	0.7	0.7	0.7
5-11 years	41,610	21,990	19,620	2.0	2.0	1.9
12-17 years	54,557	24,883	29,674	2.8	2.5	3.1
18-34 years	114,541	43,918	70,623	1.8	1.4	2.2
35-44 years	69,876	33,049	36,827	2.3	2.2	2.4
45-54 years	42,461	17,976	24,485	2.0	1.7	2.2
55-64 years	52,786	27,856	24,929	2.5	2.8	2.2
65 years and over	56,627	24,983	31,644	2.1	2.3	2.0
Hispanic						
All ages	27,390	12,125	15,264	1.6	1.4	1.7
2-4 years	*1,180	*570	*610	*0.9	*0.8	*1.0
5-11 years	5,325	2,817	2,508	2.1	2.1	2.0
12-17 years	4,895	2,703	*2,192	2.5	2.5	*2.4
18-34 years	7,574	2,855	4,719	1.3	1.0	1.6
35-44 years	3,256	*787	2,469	1.4	*0.7	2.1
45-54 years	*1,985	*856	*1,129	*1.5	*1.3	*1.6
55-64 years	*1,422	*835	*587	*1.3	*1.6	*1.1
65 years and over	*1,754	*702	*1,052	*2.0	*1.9	*2.1

¹Includes persons of other races not shown separately.

Table 10. Number of visits and number of visits per person per year, by sex and selected demographic characteristics: United States, 1986—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 II]

Characteristic	Number of visits			Number of visits per person		
	Total population	Male	Female	Total	Male	Female
Mexican-American:						
All ages	12,707	5,667	7,040	1.4	1.2	1.6
2-4 years	*905	*296	*610	*1.1	*0.7	*1.6
5-11 years	2,807	*1,646	*1,161	1.8	*2.0	*1.6
12-17 years	2,475	*1,479	*996	2.2	*2.4	*2.0
18-34 years	3,674	*1,414	*2,261	1.1	*0.9	*1.4
35-44 years	*1,002	*221	*782	*1.0	*0.4	*1.5
45-54 years	*834	*100	*734	*1.3	*0.3	*2.2
55-64 years	*394	*206	*188	*0.8	*0.9	*0.8
65 years and over	*615	*306	*308	*1.7	*1.8	*1.7
Other Hispanic:						
All ages	14,683	6,458	8,225	1.8	1.6	1.9
2-4 years	*275	*275	-	*0.6	*1.0	-
5-11 years	2,518	*1,171	*1,347	2.5	*2.4	*2.6
12-17 years	2,420	*1,224	*1,196	2.8	*2.7	*2.8
18-34 years	3,899	*1,442	2,458	1.4	*1.1	1.7
35-44 years	*2,253	*566	*1,687	*1.8	*1.0	*2.5
45-54 years	*1,151	*756	*395	*1.6	*2.1	*1.1
55-64 years	*1,028	*629	*399	*1.7	*2.2	*1.3
65 years and over	*1,139	*396	*743	*2.2	*2.0	*2.3
PLACE OF RESIDENCE						
MSA						
All ages	370,725	169,567	201,157	2.1	2.0	2.2
2-4 years	6,004	3,372	2,633	0.7	0.8	0.7
5-11 years	35,842	19,614	16,228	2.0	2.1	1.9
12-17 years	46,618	22,428	24,190	2.9	2.7	3.1
18-34 years	98,698	37,859	60,839	1.8	1.4	2.2
35-44 years	56,470	27,057	29,413	2.2	2.2	2.2
45-54 years	35,623	15,133	20,490	2.0	1.8	2.3
55-64 years	44,502	23,245	21,257	2.7	3.0	2.4
65 years and over	46,966	20,859	26,107	2.4	2.6	2.2
Central city:						
All ages	135,542	62,461	73,081	2.0	1.9	2.0
2-4 years	2,392	*1,377	*1,014	0.7	*0.8	*0.6
5-11 years	10,239	5,543	4,696	1.5	1.6	1.4
12-17 years	14,170	6,805	7,365	2.4	2.3	2.5
18-34 years	40,863	15,840	25,023	1.8	1.5	2.1
35-44 years	16,762	7,250	9,512	1.9	1.7	2.0
45-54 years	12,481	5,985	6,496	1.9	1.9	1.9
55-64 years	18,564	9,988	8,576	2.9	3.5	2.4
65 years and over	20,070	9,673	10,398	2.3	2.8	1.9
Not central city:						
All ages	235,183	107,106	128,077	2.2	2.0	2.4
2-4 years	3,613	*1,995	*1,618	0.7	*0.8	*0.7
5-11 years	25,603	14,072	11,532	2.3	2.4	2.2
12-17 years	32,448	15,623	16,826	3.2	3.0	3.4
18-34 years	57,834	22,019	35,816	1.8	1.4	2.2
35-44 years	39,708	19,807	19,902	2.4	2.5	2.4
45-54 years	23,142	9,148	13,994	2.1	1.7	2.5
55-64 years	25,938	13,257	12,681	2.6	2.7	2.5
65 years and over	26,896	11,187	15,709	2.4	2.4	2.4
Not MSA						
All ages	96,050	40,745	55,305	1.8	1.6	2.0
2-4 years	*2,105	*731	*1,373	*0.8	*0.6	*1.1
5-11 years	11,092	5,192	5,900	2.0	1.8	2.1
12-17 years	12,834	5,158	7,676	2.4	1.9	2.9
18-34 years	23,417	8,914	14,503	1.6	1.2	2.0
35-44 years	16,661	6,778	9,883	2.3	1.9	2.7
45-54 years	8,822	3,699	5,123	1.7	1.5	1.9
55-64 years	9,705	5,446	4,259	1.7	2.1	1.5
65 years and over	11,415	4,825	6,589	1.5	1.5	1.5

Table 10. Number of visits and number of visits per person per year, by sex and selected demographic characteristics: United States, 1986—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 II]

<i>Characteristic</i>	<i>Number of visits</i>			<i>Number of visits per person</i>		
	<i>Total population</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>	<i>Male</i>	<i>Female</i>
GEOGRAPHIC REGION						
Northeast						
All ages	113,218	53,495	59,723	2.3	2.3	2.3
2-4 years	*1,899	*1,057	*842	*1.0	*1.1	*0.9
5-11 years	7,303	4,145	3,158	1.6	1.7	1.4
12-17 years	11,972	5,583	6,389	2.8	2.5	3.0
18-34 years	30,954	12,735	18,220	2.2	1.8	2.5
35-44 years	16,374	7,177	9,197	2.4	2.1	2.6
45-54 years	13,158	6,040	7,117	2.7	2.5	2.8
55-64 years	16,145	8,982	7,163	3.1	3.6	2.6
65 years and over	15,414	7,777	7,637	2.3	2.9	1.8
Midwest						
All ages	115,093	50,386	64,707	2.0	1.8	2.2
2-4 years	*1,806	*1,000	*806	*0.7	*0.7	*0.6
5-11 years	12,266	6,556	5,710	2.1	2.2	2.0
12-17 years	16,367	7,805	8,562	3.0	2.8	3.3
18-34 years	27,752	9,818	17,935	1.7	1.2	2.1
35-44 years	18,705	7,704	11,001	2.4	2.0	2.7
45-54 years	10,266	3,860	6,406	1.8	1.4	2.2
55-64 years	15,175	8,437	6,738	2.9	3.4	2.5
65 years and over	12,755	5,206	7,549	1.8	1.8	1.8
South						
All ages	135,610	61,325	74,285	1.7	1.6	1.8
2-4 years	*2,166	*1,109	*1,057	*0.6	*0.6	*0.5
5-11 years	15,240	7,817	7,422	1.9	1.9	1.9
12-17 years	19,038	8,135	10,903	2.5	2.1	2.8
18-34 years	35,968	13,597	22,371	1.5	1.2	1.9
35-44 years	22,690	11,608	11,082	2.0	2.2	1.9
45-54 years	10,407	4,336	6,071	1.4	1.2	1.5
55-64 years	11,502	6,426	5,076	1.6	1.9	1.3
65 years and over	18,599	8,296	10,303	2.1	2.2	2.0
West						
All ages	102,854	45,106	57,748	2.3	2.0	2.5
2-4 years	*2,238	*937	*1,301	*0.9	*0.7	*1.2
5-11 years	12,126	6,288	5,838	2.5	2.5	2.5
12-17 years	12,075	6,063	6,012	3.0	3.0	3.0
18-34 years	27,441	10,624	16,817	2.0	1.6	2.4
35-44 years	15,362	7,347	8,015	2.3	2.2	2.4
45-54 years	10,614	4,596	6,019	2.4	2.1	2.6
55-64 years	11,385	4,846	6,539	2.6	2.4	2.7
65 years and over	11,613	4,406	7,207	2.5	2.1	2.8

Table 11. Number of visits and number of visits per person per year, by sex and selected socioeconomic characteristics: United States, 1986

[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]

Characteristic	Number of visits			Number of visits per person		
	Total population	Male	Female	Total	Male	Female
EDUCATIONAL LEVEL¹						
Less than 9 years						
All ages, 22 years and over	20,133	8,688	11,445	1.1	1.0	1.2
22-34 years	*2,100	*984	*1,116	*1.0	*0.9	*1.1
35-44 years	*2,187	*972	*1,216	*1.3	*1.1	*1.5
45-54 years	2,457	*731	*1,726	1.1	*0.6	*1.5
55-64 years	4,022	*2,185	*1,837	1.1	*1.1	*1.0
65 years and over	9,368	3,818	5,550	1.1	1.1	1.1
9-11 years						
All ages, 22 years and over	29,321	14,023	15,298	1.5	1.6	1.5
22-34 years	5,782	*1,943	3,840	1.0	*0.7	1.4
35-44 years	4,945	*1,965	2,980	1.7	*1.4	1.8
45-54 years	3,727	*1,593	*2,135	1.4	*1.3	*1.4
55-64 years	8,091	5,847	*2,243	2.4	3.7	*1.2
65 years and over	6,776	2,675	4,100	1.5	1.5	1.5
12 years						
All ages, 22 years and over	124,989	49,071	75,917	2.1	1.9	2.2
22-34 years	38,748	14,169	24,579	1.8	1.4	2.2
35-44 years	25,664	11,010	14,655	2.1	2.2	2.1
45-54 years	17,610	6,570	11,041	1.9	1.6	2.1
55-64 years	22,031	8,829	13,202	2.5	2.6	2.5
65 years and over	20,935	8,495	12,440	2.6	2.8	2.5
13 years or more						
All ages, 22 years and over	150,488	72,011	78,477	2.6	2.4	2.7
22-34 years	48,912	20,140	28,772	2.0	1.7	2.4
35-44 years	40,236	19,889	20,347	2.6	2.4	2.9
45-54 years	20,651	9,939	10,712	2.6	2.3	3.0
55-64 years	19,972	11,830	8,143	3.5	3.8	3.2
65 years and over	20,717	10,213	10,504	3.5	3.7	3.3
FAMILY INCOME²						
Less than \$10,000						
All ages	41,817	14,328	27,489	1.3	1.1	1.4
2-4 years	*1,241	*491	*750	*0.7	*0.6	*0.9
5-11 years	4,180	2,559	*1,622	1.2	1.5	*1.0
12-17 years	5,229	*1,735	3,494	1.9	*1.3	2.5
18-34 years	14,474	5,111	9,364	1.4	1.1	1.6
35-44 years	2,958	*477	2,481	1.2	*0.5	1.7
45-54 years	*1,612	*468	*1,144	*1.0	*0.8	*1.1
55-64 years	4,496	*1,905	2,592	1.6	*1.9	1.4
65 years and over	7,626	*1,584	6,042	1.1	*0.7	1.2
65-74 years	3,877	*1,084	2,793	1.1	*0.9	1.1
75 years and over	3,749	*500	3,249	1.1	*0.5	1.3
\$10,000-\$19,000						
All ages	68,865	30,303	38,562	1.6	1.5	1.7
2-4 years	*1,210	*653	*557	*0.5	*0.5	*0.5
5-11 years	5,951	3,090	2,862	1.4	1.4	1.4
12-17 years	7,675	3,101	4,574	2.1	1.7	2.4
18-34 years	17,835	7,327	10,508	1.3	1.1	1.5
35-44 years	8,171	3,453	4,718	1.8	1.6	1.9
45-54 years	4,155	*1,157	2,999	1.4	*1.0	1.6
55-64 years	7,901	3,710	4,191	1.8	2.1	1.6
65 years and over	15,966	7,813	8,153	2.1	2.2	2.0
65-74 years	11,590	6,368	5,222	2.3	2.7	2.0
75 years and over	4,376	*1,445	2,931	1.7	*1.2	2.1

See footnotes at the end of table.

Table 11. Number of visits and number of visits per person per year, by sex and selected socioeconomic characteristics: United States, 1986—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 II]

Characteristic	Number of visits			Number of visits per person		
	Total population	Male	Female	Total	Male	Female
\$20,000–\$34,999						
All ages	138,514	63,437	75,077	2.3	2.1	2.5
2–4 years	*2,092	*908	*1,184	*0.7	*0.6	*0.8
5–11 years	14,983	7,273	7,710	2.2	2.1	2.4
12–17 years	15,947	6,902	9,044	2.8	2.4	3.3
18–34 years	40,178	16,535	23,644	2.0	1.7	2.4
35–44 years	20,883	10,910	9,973	2.3	2.4	2.3
45–54 years	10,613	4,251	6,362	1.9	1.6	2.3
55–64 years	18,295	10,447	7,848	3.2	3.7	2.7
65 years and over	15,522	6,210	9,312	3.1	2.6	3.5
65–74 years	12,342	5,300	7,042	3.4	3.0	3.9
75 years and over	3,181	*910	*2,271	2.2	*1.5	*2.8
\$35,000 or more						
All ages	166,180	78,273	87,907	2.7	2.4	2.9
2–4 years	2,954	*1,737	*1,217	1.1	*1.3	*1.0
5–11 years	16,943	8,976	7,967	2.6	2.6	2.6
12–17 years	23,587	12,256	11,331	3.6	3.6	3.5
18–34 years	39,604	12,925	26,679	2.4	1.5	3.2
35–44 years	32,878	15,499	17,379	2.6	2.5	2.8
45–54 years	23,468	11,515	11,952	2.6	2.4	2.8
55–64 years	17,305	9,645	7,660	3.2	3.3	3.0
65 years and over	9,441	5,720	3,721	3.6	4.3	2.8
65–74 years	7,083	4,243	2,840	3.8	4.1	3.4
75 years and over	2,358	*1,477	*881	3.1	*5.0	*1.9
DENTAL INSURANCE COVERAGE³						
Private dental insurance						
All ages	227,277	103,709	123,569	2.6	2.4	2.9
2–4 years	3,680	*1,534	*2,146	0.8	*0.7	*1.0
5–11 years	25,544	13,692	11,852	2.5	2.6	2.5
12–17 years	32,210	15,738	16,472	3.5	3.3	3.7
18–34 years	60,648	22,492	38,155	2.3	1.8	2.9
35–44 years	43,890	20,123	23,767	2.8	2.6	2.9
45–54 years	24,173	11,220	12,952	2.4	2.2	2.6
55–64 years	24,063	14,278	9,785	3.1	3.6	2.6
65 years and over	13,071	4,632	8,439	4.0	2.9	5.0
65–74 years	9,749	3,728	6,020	3.9	2.9	5.0
75 years and over	3,322	*903	2,419	4.3	*3.1	5.0
No private dental insurance						
All ages	224,514	98,666	125,848	1.7	1.6	1.8
2–4 years	4,160	2,437	*1,723	0.7	0.8	*0.6
5–11 years	19,954	10,341	9,613	1.6	1.6	1.6
12–17 years	25,273	10,523	14,750	2.2	1.9	2.6
18–34 years	58,507	22,462	36,045	1.5	1.2	1.8
35–44 years	27,499	12,807	14,692	1.8	1.8	1.9
45–54 years	18,952	7,189	11,762	1.7	1.4	1.9
55–64 years	27,940	13,405	14,534	2.1	2.3	2.0
65 years and over	42,230	19,502	22,728	1.9	2.2	1.7
65–74 years	29,510	15,381	14,130	2.2	2.7	1.9
75 years and over	12,719	4,121	8,598	1.4	1.3	1.5

¹Persons with unknown educational level not shown separately.

²Persons with unknown income not shown separately.

³Persons with unknown insurance coverage not shown separately.

Table 12. Number of visits and number of visits per person per year, by sex and selected health characteristics: United States, 1986

[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]

Characteristic	Number of visits			Number of visits per person		
	Total population	Male	Female	Total	Male	Female
ASSESSED HEALTH STATUS¹						
Excellent or very good						
All ages	321,509	147,161	174,348	2.1	1.9	2.3
2-4 years	6,726	3,259	3,467	0.8	0.7	0.8
5-11 years	41,280	21,860	19,420	2.2	2.2	2.2
12-17 years	48,832	22,796	26,036	2.9	2.6	3.2
18-34 years	88,767	36,189	52,578	1.8	1.4	2.1
35-44 years	54,308	26,004	28,304	2.4	2.3	2.5
45-54 years	29,668	12,794	16,874	2.2	1.9	2.5
55-64 years	25,594	12,671	12,923	2.6	2.6	2.5
65 years and over	26,334	11,588	14,746	2.6	2.7	2.5
Good						
All ages	101,607	41,852	59,755	1.9	1.8	2.0
2-4 years	*1,279	*740	*539	*0.7	*0.7	*0.6
5-11 years	4,337	*2,039	*2,298	1.1	*1.0	*1.1
12-17 years	8,545	3,778	4,767	2.1	2.0	2.2
18-34 years	26,691	9,244	17,447	1.8	1.5	2.1
35-44 years	13,307	5,499	7,808	1.9	1.8	2.0
45-54 years	10,127	3,480	6,647	1.7	1.3	2.0
55-64 years	16,898	8,748	8,150	2.4	2.7	2.1
65 years and over	20,424	8,325	12,099	2.3	2.3	2.3
Fair or poor						
All ages	42,696	20,911	21,785	1.8	2.0	1.6
2-4 years	-	-	-	-	-	-
5-11 years	*1,220	*810	*409	*2.2	*2.6	*1.7
12-17 years	*1,881	*1,012	*869	*3.0	*3.9	*2.4
18-34 years	6,382	*1,256	5,126	2.0	*1.0	2.8
35-44 years	5,516	2,332	3,183	2.1	1.9	2.3
45-54 years	4,549	2,456	*2,093	1.5	1.8	*1.2
55-64 years	11,716	7,273	4,443	2.4	3.2	1.7
65 years and over	11,432	5,772	5,661	1.4	1.7	1.2
LIMITATION OF ACTIVITY						
Unable to carry on major activity						
All ages	18,318	11,344	6,974	2.0	2.3	1.6
2-4 years	-	-	-	-	-	-
5-11 years	-	-	-	-	-	-
12-17 years	*98	*98	-	*1.3	*2.5	-
18-34 years	*2,273	*1,034	*1,239	*1.8	*1.4	*2.5
35-44 years	*1,254	*930	*325	*1.3	*1.6	*0.8
45-54 years	2,407	*1,135	*1,272	1.9	*1.6	*2.4
55-64 years	8,364	6,353	*2,011	3.2	4.1	*1.9
65 years and over	3,921	*1,794	*2,127	1.3	*1.4	*1.3
Limited in amount or kind of major activity						
All ages	26,589	12,884	13,706	2.1	2.2	1.9
2-4 years	*215	*118	*97	*1.3	*1.7	*1.0
5-11 years	*1,765	*1,443	*322	*1.9	*2.3	*1.0
12-17 years	2,470	*1,205	*1,265	2.9	*2.2	*4.0
18-34 years	4,414	*2,264	*2,149	2.3	*2.2	*2.3
35-44 years	3,680	*1,955	*1,725	2.3	*2.3	*2.3
45-54 years	*1,773	*745	*1,028	*1.1	*1.1	*1.1
55-64 years	6,079	*2,130	3,949	2.5	*2.2	2.6
65 years and over	6,193	3,023	3,171	1.9	2.7	1.4
Limited, but not in major activity						
All ages	23,736	9,980	13,756	2.2	2.2	2.2
2-4 years	-	-	-	-	-	-
5-11 years	*413	*312	*102	*1.3	*1.9	*0.6
12-17 years	*2,074	*592	*1,483	*4.7	*2.7	*6.5
18-34 years	3,680	*1,877	*1,803	2.1	*2.2	*2.1
35-44 years	4,160	*1,550	2,611	3.4	*3.2	3.6
45-54 years	2,352	*1,003	*1,349	2.2	*2.4	*2.1
55-64 years	3,234	*1,214	*2,020	2.4	*3.1	*2.1
65 years and over	7,823	3,432	4,391	1.8	1.9	1.7

See footnotes at the end of table.

Table 12. Number of visits and number of visits per person per year, by sex and selected health characteristics: United States, 1986—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 II]

<i>Characteristic</i>	<i>Number of visits</i>			<i>Number of visits per person</i>		
	<i>Total population</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>	<i>Male</i>	<i>Female</i>
Not limited in activity						
All ages	398,131	176,105	222,026	2.0	1.8	2.2
2-4 years	7,895	3,985	3,909	0.8	0.7	0.8
5-11 years	44,756	23,052	21,704	2.0	2.0	2.0
12-17 years	54,809	25,691	29,118	2.7	2.6	2.9
18-34 years	111,749	41,598	70,151	1.8	1.3	2.1
35-44 years	64,036	29,401	34,635	2.2	2.1	2.3
45-54 years	37,914	15,949	21,965	2.0	1.7	2.3
55-64 years	36,530	18,994	17,536	2.3	2.6	2.1
65 years and over	40,443	17,436	23,007	2.4	2.4	2.4
DENTITION STATUS²						
Dentate						
35 years and over	217,991	99,574	118,417	2.6	2.5	2.6
35-44 years	72,150	33,408	38,742	2.3	2.2	2.4
45-54 years	43,339	18,332	25,007	2.2	1.9	2.5
55-64 years	48,099	24,521	23,578	2.8	3.0	2.7
65 years and over	54,403	23,314	31,090	3.1	3.2	3.1
65-74 years	38,042	18,188	19,854	3.2	3.4	3.1
75 years and over	16,362	5,126	11,236	2.9	2.6	3.1
Edentulous						
35 years and over	12,173	7,469	4,704	0.7	0.9	0.4
35-44 years	*981	*428	*554	*0.8	*0.8	*0.8
45-54 years	*1,106	*500	*606	*0.4	*0.4	*0.4
55-64 years	6,108	4,170	*1,938	1.3	2.0	*0.7
65 years and over	3,977	2,371	*1,606	0.4	0.6	*0.3
65-74 years	3,423	*2,184	*1,239	0.7	*1.0	*0.4
75 years and over	*554	*187	*368	*0.1	*0.1	*0.1

¹Persons with unknown health status not shown separately.

²Persons with unknown dentition status not shown separately.

Table 13. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected demographic characteristics: United States, 1986

[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]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
	Number in thousands				Percent distribution	
All ages ²	86,600	129,932	12,503	100.0	37.8	56.7
2-4 years	4,363	6,130	368	100.0	40.2	56.4
5-17 years	19,304	23,834	1,819	100.0	42.9	53.0
5-11 years	10,057	12,530	916	100.0	42.8	53.3
12-17 years	9,247	11,305	903	100.0	43.1	52.7
18-34 years	25,810	38,269	4,354	100.0	37.7	55.9
18-24 years	8,643	15,770	2,308	100.0	32.3	59.0
25-34 years	17,167	22,500	2,045	100.0	41.2	53.9
35-54 years	26,101	26,472	2,640	100.0	47.3	47.9
35-44 years	15,949	15,133	1,466	100.0	49.0	46.5
45-54 years	10,152	11,339	1,174	100.0	44.8	50.0
55-64 years	7,776	13,009	1,247	100.0	35.3	59.0
65 years and over	3,246	22,217	2,075	100.0	11.8	80.7
65-74 years	2,477	13,316	1,194	100.0	14.6	78.4
75 years and over	769	8,902	880	100.0	7.3	84.4
SEX						
Male						
All ages	43,316	61,047	6,244	100.0	39.2	55.2
2-4 years	2,247	3,130	199	100.0	40.3	56.1
5-11 years	5,313	6,344	477	100.0	43.8	52.3
12-17 years	4,773	5,661	423	100.0	44.0	52.1
18-34 years	12,513	18,574	2,427	100.0	37.3	55.4
35-44 years	7,841	7,288	729	100.0	49.4	46.0
45-54 years	5,083	5,287	596	100.0	46.4	48.2
55-64 years	3,973	5,790	582	100.0	38.4	56.0
65 years and over	1,572	8,974	811	100.0	13.8	79.0
65-74 years	1,283	5,705	502	100.0	17.1	76.2
75 years and over	289	3,269	309	100.0	7.5	84.6
Female						
All ages	43,284	68,884	6,259	100.0	36.5	58.2
2-4 years	2,116	3,000	169	100.0	40.0	56.8
5-11 years	4,744	6,186	439	100.0	41.7	54.4
12-17 years	4,474	5,644	480	100.0	42.2	53.3
18-34 years	13,297	19,695	1,927	100.0	38.1	56.4
35-44 years	8,108	7,845	736	100.0	48.6	47.0
45-54 years	5,070	6,052	579	100.0	43.3	51.7
55-64 years	3,803	7,220	665	100.0	32.5	61.8
65 years and over	1,674	13,243	1,264	100.0	10.3	81.8
65-74 years	1,194	7,610	692	100.0	12.6	80.1
75 years and over	480	5,633	572	100.0	7.2	84.3
RACE						
White						
All ages	75,826	108,483	10,057	100.0	39.0	55.8
2-4 years	3,792	4,869	250	100.0	42.6	54.6
5-11 years	8,723	9,741	647	100.0	45.6	51.0
12-17 years	7,962	8,796	716	100.0	45.6	50.3
18-34 years	22,374	31,374	3,429	100.0	39.1	54.9
35-44 years	13,954	12,867	1,128	100.0	49.9	46.0
45-54 years	8,917	9,602	983	100.0	45.7	49.2
55-64 years	7,098	11,342	1,047	100.0	36.4	58.2
65 years and over	3,004	19,893	1,856	100.0	12.1	80.4
65-74 years	2,295	11,888	1,071	100.0	15.0	77.9
75 years and over	709	8,005	785	100.0	7.5	84.3

See footnotes at the end of table.

Table 13. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected demographic characteristics: United States, 1986—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 II]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
Black	Number in thousands			Percent distribution		
All ages	7,967	17,523	1,889	100.0	29.1	64.0
2-4 years	409	1,072	84	100.0	26.1	68.5
5-11 years	1,022	2,370	222	100.0	28.3	65.6
12-17 years	998	2,151	152	100.0	30.2	65.2
18-34 years	2,579	5,455	665	100.0	29.6	62.7
35-44 years	1,371	1,755	285	100.0	40.2	51.5
45-54 years	898	1,373	142	100.0	37.2	56.9
55-64 years	503	1,400	176	100.0	24.2	67.3
65 years and over	187	1,948	164	100.0	8.1	84.8
65-74 years	150	1,204	104	100.0	10.3	82.6
75 years and over	*37	744	*60	100.0	*4.4	88.5
HISPANIC ORIGIN						
Non-Hispanic						
All ages	81,158	118,988	11,505	100.0	38.3	56.2
2-4 years	3,923	5,303	329	100.0	41.1	55.5
5-11 years	9,273	10,843	829	100.0	44.3	51.8
12-17 years	8,547	10,097	817	100.0	43.9	51.9
18-34 years	24,095	34,454	3,898	100.0	38.6	55.2
35-44 years	14,991	13,914	1,373	100.0	49.5	46.0
45-54 years	9,715	10,510	1,101	100.0	45.6	49.3
55-64 years	7,429	12,375	1,162	100.0	35.4	59.0
65 years and over	3,185	21,491	1,997	100.0	11.9	80.6
Hispanic						
All ages	5,442	10,944	998	100.0	31.3	63.0
2-4 years	440	827	*39	100.0	33.7	63.3
5-11 years	784	1,686	87	100.0	30.7	65.9
12-17 years	700	1,207	87	100.0	35.1	60.5
18-34 years	1,715	3,815	456	100.0	28.7	63.7
35-44 years	958	1,219	92	100.0	42.2	53.7
45-54 years	437	829	*74	100.0	32.6	61.9
55-64 years	347	634	85	100.0	32.5	59.4
65 years and over	*61	727	*77	100.0	*7.1	84.0
Mexican-American:						
All ages	2,874	5,883	427	100.0	31.3	64.1
2-4 years	301	485	*31	100.0	36.8	59.4
5-11 years	463	1,052	*38	100.0	29.8	67.8
12-17 years	412	668	*40	100.0	36.8	59.6
18-34 years	964	2,048	190	100.0	30.1	64.0
35-44 years	396	617	*34	100.0	37.8	58.9
45-54 years	204	409	*15	100.0	32.5	65.1
55-64 years	118	300	*48	100.0	25.3	64.4
65 years and over	*17	304	*31	100.0	*4.8	86.4
Other Hispanic:						
All ages	2,568	5,060	571	100.0	31.3	61.7
2-4 years	139	342	*8	100.0	28.4	69.9
5-11 years	321	635	*49	100.0	31.9	63.2
12-17 years	288	539	*47	100.0	33.0	61.7
18-34 years	751	1,706	266	100.0	27.0	63.5
35-44 years	562	602	*58	100.0	46.0	49.3
45-54 years	233	420	*59	100.0	32.7	59.0
55-64 years	229	334	*37	100.0	38.1	55.6
65 years and over	*45	423	*46	100.0	*8.8	82.3

See footnotes at the end of table.

Table 13. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected demographic characteristics: United States, 1986—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 II]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
PLACE OF RESIDENCE						
MSA						
	Number in thousands			Percent distribution		
All ages	71,267	94,804	9,572	100.0	40.6	54.0
2-4 years	3,660	4,402	259	100.0	44.0	52.9
5-11 years	8,138	9,128	660	100.0	45.4	50.9
12-17 years	7,432	8,012	673	100.0	46.1	49.7
18-34 years	21,534	28,993	3,474	100.0	39.9	53.7
35-44 years	13,156	11,070	1,116	100.0	51.9	43.7
45-54 years	8,297	8,297	925	100.0	47.4	47.4
55-64 years	6,380	9,159	936	100.0	38.7	55.6
65 years and over	2,672	15,742	1,529	100.0	13.4	78.9
Central city:						
All ages	24,408	40,451	4,254	100.0	35.3	58.5
2-4 years	1,228	1,886	93	100.0	38.3	58.8
5-11 years	2,641	3,852	267	100.0	39.1	57.0
12-17 years	2,206	3,327	311	100.0	37.8	56.9
18-34 years	7,937	12,846	1,596	100.0	35.5	57.4
35-44 years	4,179	4,346	461	100.0	46.5	48.4
45-54 years	2,834	3,345	391	100.0	43.1	50.9
55-64 years	2,320	3,769	402	100.0	35.7	58.1
65 years and over	1,062	7,080	734	100.0	12.0	79.8
Not central city:						
All ages	46,859	54,353	5,318	100.0	44.0	51.0
2-4 years	2,432	2,515	166	100.0	47.6	49.2
5-11 years	5,496	5,276	393	100.0	49.2	47.3
12-17 years	5,226	4,685	362	100.0	50.9	45.6
18-34 years	13,597	16,147	1,878	100.0	43.0	51.1
35-44 years	8,976	6,724	655	100.0	54.9	41.1
45-54 years	5,462	4,953	534	100.0	49.9	45.2
55-64 years	4,060	5,390	535	100.0	40.7	54.0
65 years and over	1,609	8,662	795	100.0	14.5	78.3
Not MSA						
All ages	15,332	35,128	2,930	100.0	28.7	65.8
2-4 years	703	1,728	109	100.0	27.7	68.0
5-11 years	1,919	3,402	256	100.0	34.4	61.0
12-17 years	1,814	3,293	231	100.0	34.0	61.7
18-34 years	4,276	9,276	880	100.0	29.6	64.3
35-44 years	2,793	4,063	349	100.0	38.8	56.4
45-54 years	1,855	3,041	249	100.0	36.0	59.1
55-64 years	1,397	3,850	311	100.0	25.1	69.3
65 years and over	574	6,475	546	100.0	7.6	85.3
GEOGRAPHIC REGION						
Northeast						
All ages	18,960	27,695	2,485	100.0	38.6	56.4
2-4 years	788	1,097	*54	100.0	40.6	56.6
5-11 years	2,047	2,390	164	100.0	44.5	51.9
12-17 years	1,985	2,192	149	100.0	45.9	50.7
18-34 years	5,649	7,726	958	100.0	39.4	53.9
35-44 years	3,417	3,306	243	100.0	49.1	47.5
45-54 years	2,249	2,420	235	100.0	45.9	49.3
55-64 years	2,008	3,025	230	100.0	38.1	57.5
65 years and over	816	5,539	453	100.0	12.0	81.4

See footnotes at the end of table.

Table 13. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected demographic characteristics: United States, 1985—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 II]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
	Number in thousands			Percent distribution		
Midwest						
All ages	23,480	29,641	3,119	100.0	41.7	52.7
2-4 years	1,141	1,430	*72	100.0	43.2	54.1
5-11 years	2,822	2,914	198	100.0	47.6	49.1
12-17 years	2,677	2,426	275	100.0	49.8	45.1
18-34 years	6,846	8,754	978	100.0	41.3	52.8
35-44 years	4,251	3,281	333	100.0	54.0	41.7
45-54 years	2,895	2,467	309	100.0	51.0	43.5
55-64 years	1,934	2,871	353	100.0	37.5	55.7
65 years and over	913	5,497	601	100.0	13.0	78.4
South						
All ages	24,088	49,111	5,108	100.0	30.8	62.7
2-4 years	1,287	2,439	173	100.0	33.0	62.6
5-11 years	2,851	4,843	444	100.0	35.0	59.5
12-17 years	2,636	4,707	345	100.0	34.3	61.2
18-34 years	7,459	14,419	1,735	100.0	31.6	61.1
35-44 years	4,639	5,812	692	100.0	41.6	52.2
45-54 years	2,649	4,470	485	100.0	34.8	58.8
55-64 years	1,834	4,881	484	100.0	25.5	67.8
65 years and over	733	7,539	749	100.0	8.1	83.6
West						
All ages	20,073	23,484	1,791	100.0	41.3	51.8
2-4 years	1,147	1,164	*69	100.0	48.2	48.9
5-11 years	2,338	2,382	110	100.0	48.4	49.3
12-17 years	1,948	1,979	135	100.0	48.0	48.7
18-34 years	5,856	7,370	683	100.0	42.1	53.0
35-44 years	3,642	2,734	198	100.0	55.4	41.6
45-54 years	2,358	1,982	145	100.0	52.6	44.2
55-64 years	1,999	2,231	180	100.0	45.3	50.6
65 years and over	783	3,643	272	100.0	16.7	77.5

¹Includes unknown insurance coverage.

²Includes persons of other races not shown separately.

Table 14. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected socioeconomic characteristics: United States, 1986

[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]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
EDUCATIONAL LEVEL²						
Less than 9 years						
	Number in thousands			Percent distribution		
All ages, 22 years and over	2,366	15,125	1,163	100.0	12.7	81.1
22-34 years	263	1,829	96	100.0	12.0	83.6
35-44 years	349	1,234	97	100.0	20.8	73.5
45-54 years	521	1,704	99	100.0	22.4	73.4
55-64 years	706	2,850	236	100.0	18.6	75.2
65 years and over	525	7,508	636	100.0	6.1	86.6
9-11 years						
All ages, 22 years and over	4,715	13,256	1,122	100.0	24.7	69.4
22-34 years	1,302	3,904	324	100.0	23.5	70.6
35-44 years	904	1,944	144	100.0	30.2	65.0
45-54 years	959	1,669	116	100.0	34.9	60.8
55-64 years	1,026	2,172	216	100.0	30.0	63.6
65 years and over	523	3,567	323	100.0	11.9	80.8
12 years						
All ages, 22 years and over	22,949	33,767	3,189	100.0	38.3	56.4
22-34 years	8,123	12,378	1,199	100.0	37.4	57.0
35-44 years	5,972	5,625	541	100.0	49.2	46.3
45-54 years	4,374	4,457	471	100.0	47.0	47.9
55-64 years	3,362	4,969	434	100.0	38.4	56.7
65 years and over	1,118	6,338	544	100.0	14.0	79.2
13 years or more						
All ages, 22 years and over	27,702	28,475	2,795	100.0	47.0	48.3
22-34 years	11,118	11,602	1,215	100.0	46.5	48.5
35-44 years	8,659	6,230	537	100.0	56.1	40.4
45-54 years	4,242	3,412	356	100.0	53.0	42.6
55-64 years	2,626	2,843	244	100.0	46.0	49.8
65 years and over	1,057	4,388	443	100.0	18.0	74.5
FAMILY INCOME³						
Less than \$10,000						
All ages	3,031	27,592	1,598	100.0	9.4	85.6
2-4 years	114	1,532	*24	100.0	6.8	91.7
5-11 years	237	3,047	*78	100.0	7.0	90.6
12-17 years	291	2,373	*80	100.0	10.6	86.5
18-34 years	1,619	8,281	560	100.0	15.5	79.2
35-44 years	197	2,144	83	100.0	8.1	88.4
45-54 years	107	1,438	*54	100.0	6.7	90.0
55-64 years	175	2,457	176	100.0	6.2	87.5
65 years and over	291	6,321	542	100.0	4.1	88.4
65-74 years	143	3,222	262	100.0	3.9	88.8
75 years and over	148	3,099	280	100.0	4.2	87.9
\$10,000-\$19,000						
All ages	10,861	30,520	2,155	100.0	24.9	70.1
2-4 years	682	1,576	*57	100.0	29.5	68.1
5-11 years	1,222	2,966	172	100.0	28.0	68.0
12-17 years	1,045	2,509	141	100.0	28.3	67.9
18-34 years	3,835	9,117	621	100.0	28.3	67.2
35-44 years	1,237	3,193	232	100.0	26.5	68.5
45-54 years	778	2,075	150	100.0	25.9	69.1
55-64 years	1,139	2,926	275	100.0	26.2	67.4
65 years and over	923	6,158	507	100.0	12.2	81.2
65-74 years	674	4,020	314	100.0	13.5	80.3
75 years and over	249	2,138	193	100.0	9.7	82.9

See footnotes at the end of table.

Table 14. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected socioeconomic characteristics: United States, 1986-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 II]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
	Number in thousands			Percent distribution		
\$20,000-\$34,999						
All ages	27,993	30,003	2,481	100.0	46.3	49.6
2-4 years	1,669	1,399	103	100.0	52.6	44.1
5-11 years	3,647	2,918	222	100.0	53.7	43.0
12-17 years	2,841	2,622	160	100.0	50.5	46.6
18-34 years	9,115	9,642	1,006	100.0	46.1	48.8
35-44 years	4,837	3,847	235	100.0	54.2	43.1
45-54 years	2,524	2,693	229	100.0	46.3	49.4
55-64 years	2,410	3,102	230	100.0	42.0	54.0
65 years and over	949	3,781	297	100.0	18.9	75.2
65-74 years	787	2,595	207	100.0	21.9	72.3
75 years and over	162	1,186	90	100.0	11.3	82.5
\$35,000 or more						
All ages	36,786	23,077	2,204	100.0	59.3	37.2
2-4 years	1,607	950	*47	100.0	61.7	36.5
5-11 years	4,132	2,145	178	100.0	64.0	33.2
12-17 years	4,171	2,233	209	100.0	63.1	33.8
18-34 years	9,234	6,601	905	100.0	55.2	39.4
35-44 years	8,179	3,958	339	100.0	65.6	31.7
45-54 years	5,699	3,080	269	100.0	63.0	34.0
55-64 years	3,090	2,292	109	100.0	56.3	41.7
65 years and over	674	1,819	149	100.0	25.5	68.8
65-74 years	574	1,207	96	100.0	30.6	64.3
75 years and over	100	612	*53	100.0	13.1	80.0

¹Includes unknown insurance coverage.

²Persons with unknown educational level not shown separately.

³Persons with unknown income not shown separately.

Table 15. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected health characteristics: United States, 1986

[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]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
ASSESSED HEALTH STATUS²						
Excellent or very good		Number in thousands			Percent distribution	
All ages	64,955	78,505	7,551	100.0	43.0	52.0
2-4 years	3,700	4,600	255	100.0	43.2	53.8
5-11 years	8,504	9,544	701	100.0	45.4	50.9
12-17 years	7,693	8,312	662	100.0	46.2	49.9
18-34 years	20,535	26,917	3,160	100.0	40.6	53.2
35-44 years	12,159	9,775	858	100.0	53.3	42.9
45-54 years	6,746	6,099	679	100.0	49.9	45.1
55-64 years	4,155	5,310	457	100.0	41.9	53.5
65 years and over	1,464	7,947	777	100.0	14.4	78.0
Good						
All ages	16,978	33,168	3,453	100.0	31.7	61.9
2-4 years	555	1,258	93	100.0	29.1	66.0
5-11 years	1,338	2,541	195	100.0	32.8	62.4
12-17 years	1,321	2,563	183	100.0	32.5	63.0
18-34 years	4,492	8,992	977	100.0	31.1	62.2
35-44 years	3,105	3,551	438	100.0	43.8	50.1
45-54 years	2,592	2,997	366	100.0	43.5	50.3
55-64 years	2,459	4,102	478	100.0	34.9	58.3
65 years and over	1,116	7,163	722	100.0	12.4	79.6
Fair or poor						
All ages	4,421	17,714	1,348	100.0	18.8	75.4
2-4 years	*80	211	*9	100.0	*26.7	70.3
5-11 years	165	361	*20	100.0	30.2	66.1
12-17 years	181	396	*47	100.0	29.0	63.5
18-34 years	721	2,271	181	100.0	22.7	71.6
35-44 years	672	1,766	146	100.0	26.0	68.3
45-54 years	785	2,214	121	100.0	25.2	71.0
55-64 years	1,154	3,534	275	100.0	23.3	71.2
65 years and over	662	6,961	549	100.0	8.1	85.2
LIMITATION OF ACTIVITY						
Unable to carry on major activity						
All ages	1,549	7,106	586	100.0	16.8	76.9
2-4 years	*27	*54	-	100.0	*33.3	*66.7
5-11 years	*27	*39	*2	100.0	*39.7	*57.4
12-17 years	*19	*54	-	100.0	*26.0	*74.0
18-34 years	239	916	*78	100.0	19.4	74.2
35-44 years	196	752	*51	100.0	19.6	75.4
45-54 years	258	924	*53	100.0	20.9	74.8
55-64 years	517	1,932	170	100.0	19.7	73.8
65 years and over	266	2,436	232	100.0	9.1	83.1
Limited in amount or kind of major activity						
All ages	3,612	8,682	650	100.0	27.9	67.1
2-4 years	*53	113	*3	100.0	*31.4	66.9
5-11 years	421	494	*31	100.0	44.6	52.3
12-17 years	279	541	*41	100.0	32.4	62.8
18-34 years	606	1,259	*76	100.0	31.2	64.9
35-44 years	617	939	*66	100.0	38.0	57.9
45-54 years	645	897	*82	100.0	39.7	55.2
55-64 years	659	1,683	115	100.0	26.8	68.5
65 years and over	332	2,757	236	100.0	10.0	82.9

See footnotes at the end of table.

Table 15. Number and percent distribution of persons 2 years of age and over by private dental insurance status, according to selected health characteristics: United States, 1986—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 II]

Characteristic	Persons who:			Population ¹	Persons who:	
	Have private dental insurance	Do not have private dental insurance	Unknown if covered		Have private dental insurance	Do not have private dental insurance
	Number in thousands			Percent distribution		
Limited, but not in major activity						
All ages	2,897	7,192	593	100.0	27.1	67.3
2-4 years	*35	*62	—	100.0	*35.7	*63.3
5-11 years	185	134	*4	100.0	57.3	41.5
12-17 years	164	257	*24	100.0	36.9	57.8
18-34 years	637	1,010	*78	100.0	36.9	58.6
35-44 years	545	623	*49	100.0	44.7	51.1
45-54 years	420	592	*62	100.0	39.1	55.1
55-64 years	418	879	*62	100.0	30.8	64.7
65 years and over	491	3,635	314	100.0	11.1	81.9
Not limited in activity						
All ages	78,542	106,951	10,674	100.0	40.0	54.5
2-4 years	4,247	5,900	365	100.0	40.4	56.1
5-11 years	9,425	11,863	879	100.0	42.5	53.5
12-17 years	8,784	10,454	838	100.0	43.8	52.1
18-34 years	24,327	35,085	4,122	100.0	38.3	55.2
35-44 years	14,591	12,818	1,300	100.0	50.8	44.6
45-54 years	8,829	8,925	977	100.0	47.1	47.6
55-64 years	6,181	8,515	901	100.0	39.6	54.6
65 years and over	2,157	13,390	1,293	100.0	12.8	79.5
DENTITION STATUS³						
Dentate						
35 years and over	33,545	47,538	4,030	100.0	39.4	55.9
35-44 years	15,476	14,279	1,216	100.0	50.0	46.1
45-54 years	9,172	9,731	888	100.0	46.3	49.2
55-64 years	6,363	9,834	797	100.0	37.4	57.9
65 years and over	2,534	13,694	1,130	100.0	14.6	78.9
65-74 years	2,018	9,018	745	100.0	17.1	76.5
75 years and over	515	4,677	385	100.0	9.2	83.9
Edentulous						
35 years and over	3,445	13,838	1,347	100.0	18.5	74.3
35-44 years	418	794	*64	100.0	32.7	62.2
45-54 years	949	1,548	149	100.0	35.9	58.5
55-64 years	1,375	3,097	300	100.0	28.8	64.9
65 years and over	702	8,399	834	100.0	7.1	84.5
65-74 years	456	4,214	378	100.0	9.0	83.5
75 years and over	246	4,185	456	100.0	5.0	85.6

¹Includes unknown insurance coverage.

²Persons with unknown health status are not shown separately.

³Persons with unknown dentition status are not shown separately.

Table 16. Number of total population, number of dental visits per child per year, and percent of children 2-16 years of age with selected preventive dental practices, by selected characteristics: United States, 1986

[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]

Characteristic	Total population	Visits per child	Children who:					
			Had a dental visit in past year	Use fluoride toothpaste	Use fluoride supplements	Use fluoride mouth rinse at home	Are in fluoride mouth rinse program at school	Have dental sealants
All ages ¹	Number in thousands	Number	Percent					
Total	52,153	2.1	62.5	93.3	8.3	12.7	10.5	6.7
2-4 years	10,861	0.7	31.3	91.2	14.4	6.8	1.5	0.9
5-8 years	13,992	1.8	69.1	94.0	12.2	14.4	15.5	6.4
9-11 years	9,510	2.3	73.1	94.5	7.2	14.9	19.8	11.5
12-14 years	10,312	3.0	70.6	93.2	2.7	15.4	9.4	8.8
15-16 years	7,479	2.9	71.0	93.4	1.2	11.8	3.9	6.4
SEX								
Male								
Total	26,766	2.0	61.4	93.2	8.4	12.4	9.9	6.2
2-4 years	5,577	0.7	31.2	91.0	14.5	7.9	*1.4	*1.0
5-8 years	7,119	2.0	67.1	94.6	12.9	13.5	14.0	6.2
9-11 years	5,016	2.1	72.7	94.2	7.0	14.4	18.4	11.0
12-14 years	5,171	2.9	68.5	92.5	2.6	14.6	9.8	7.9
15-16 years	3,883	2.6	69.9	93.8	*1.3	11.0	3.8	5.3
Female								
Total	25,388	2.1	63.7	93.3	8.2	13.1	11.1	7.2
2-4 years	5,284	0.8	31.3	91.3	14.3	5.7	1.6	*0.9
5-8 years	6,874	1.6	71.1	93.3	11.6	15.3	16.9	6.6
9-11 years	4,495	2.5	73.4	94.9	7.5	15.4	21.3	12.1
12-14 years	5,140	3.1	72.7	93.9	2.8	16.1	9.0	9.8
15-16 years	3,595	3.1	72.2	93.1	*1.1	12.6	3.9	7.5
RACE								
White								
Total	42,458	2.2	64.8	93.6	9.3	13.1	10.1	7.5
2-4 years	8,911	0.7	32.1	91.7	16.3	6.6	1.1	1.1
5-8 years	11,353	1.9	71.5	93.9	13.8	14.2	15.4	7.4
9-11 years	7,757	2.5	76.1	94.7	8.1	15.6	19.8	12.8
12-14 years	8,316	3.2	73.4	93.8	2.8	16.2	8.4	10.0
15-16 years	6,121	2.9	73.6	93.8	*1.0	12.8	3.4	7.1
Black								
Total	7,954	1.3	50.8	92.3	3.8	11.4	12.2	2.1
2-4 years	1,565	*0.6	26.0	89.8	*4.4	8.4	*3.3	*0.3
5-8 years	2,188	*1.0	57.4	94.3	5.3	16.1	16.4	*1.7
9-11 years	1,425	*0.7	56.8	93.2	*3.6	10.8	19.4	*3.8
12-14 years	1,636	1.9	56.4	91.5	*2.7	11.0	13.6	*3.3
15-16 years	1,139	2.5	57.0	91.7	*1.8	7.6	*5.4	*1.6
FAMILY INCOME								
Less than \$10,000								
Total	7,267	1.3	49.4	92.0	5.8	9.0	13.5	2.2
2-4 years	1,670	*0.7	26.9	89.4	8.3	6.7	*3.4	-
5-8 years	1,999	1.2	56.7	92.4	7.3	11.6	18.8	*2.0
9-11 years	1,364	*1.3	55.3	93.7	*4.4	8.2	22.4	*4.2
12-14 years	1,316	*1.5	56.5	93.4	*3.9	9.3	15.7	*3.6
15-16 years	918	2.6	55.4	91.1	*2.5	*8.5	*4.0	*1.7
\$10,000-\$19,999								
Total	9,822	1.5	52.4	93.2	6.3	12.3	12.8	3.8
2-4 years	2,315	*0.5	25.7	92.5	11.4	7.3	*1.9	*0.5
5-8 years	2,664	1.2	61.6	93.1	9.1	14.3	18.6	3.2
9-11 years	1,696	1.6	62.1	93.6	*4.0	12.5	24.4	6.7
12-14 years	1,850	2.4	59.3	94.0	*1.5	16.2	13.0	5.5
15-16 years	1,297	2.2	58.9	93.3	*1.1	11.4	*5.0	*4.5

¹Includes persons of other races and unknown income not shown separately.

Table 16. Number of total population, number of dental visits per child per year, and percent of children 2-16 years of age with selected preventive dental practices, by selected characteristics: United States, 1986—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 II]

Characteristic	Total population	Visits per child	Children who:					
			Had a dental visit in past year	Use fluoride toothpaste	Use fluoride supplements	Use fluoride mouth rinse at home	Are in fluoride mouth rinse program at school	Have dental sealants
	Number in thousands	Number	Percent					
\$20,000-\$34,999								
Total	14,642	2.1	63.8	94.8	10.4	14.2	10.7	6.7
2-4 years	3,171	*0.7	31.3	93.5	18.5	8.2	*0.9	*1.0
5-8 years	4,060	2.0	70.9	94.9	16.0	16.3	15.8	7.8
9-11 years	2,727	2.6	77.9	96.1	8.1	17.4	20.2	11.7
12-14 years	2,707	3.0	72.3	94.3	*1.7	16.8	8.1	7.6
15-16 years	1,976	2.7	70.2	96.0	*1.0	12.0	6.2	5.7
\$35,000 or more								
Total	14,517	2.8	78.9	94.8	9.5	14.5	7.5	12.2
2-4 years	2,604	1.1	43.0	91.2	17.4	6.3	*1.0	*2.1
5-8 years	3,829	2.3	84.5	96.0	14.2	15.7	11.2	11.3
9-11 years	2,626	3.0	89.0	95.9	9.5	17.9	15.3	20.8
12-14	3,068	4.0	87.0	94.7	3.6	17.8	6.5	15.9
15-16 years	2,389	3.8	87.7	95.6	*0.9	13.4	*1.4	10.4

Table 17. Number of dentate and edentulous population, percent of total population, rate of dental visits per person per year, and percent of dentate and edentulous population with a dental visit in past year for persons 45 years of age and over, by dentition status and selected characteristics: United States, 1986

[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]

Characteristic	Dentate	Edentulous	Dentate	Edentulous	Dental visits		Dental visit in past year	
					Dentate	Edentulous	Dentate	Edentulous
Total ¹	Number in thousands		Percent of total population		Rate per person per year		Percent	
All ages, 45 years and over	54,142	17,354	75.0	24.0	2.7	0.6	62.9	10.6
45-54 years	19,791	2,647	87.3	11.7	2.2	*0.4	64.6	13.3
All ages, 55 years and over	34,351	14,707	69.3	29.7	3.0	0.7	61.9	10.1
55-64 years	16,993	4,771	77.1	21.7	2.8	1.3	62.8	12.7
65-74 years	11,781	5,048	69.4	29.7	3.2	0.7	62.4	9.8
75 years and over	5,577	4,887	52.9	46.3	2.9	*0.1	58.1	7.9
75-84 years	4,691	3,791	54.9	44.3	3.0	*0.1	59.6	8.0
85 years and over	885	1,096	44.3	54.8	2.7	*0.3	50.1	*7.4
SEX								
Male								
All ages, 45 years and over	25,029	7,319	76.6	22.4	2.6	1.0	60.2	12.1
45-54 years	9,620	1,243	87.7	11.3	1.9	*0.4	61.7	14.3
All ages, 55 years and over	15,408	6,075	71.0	28.0	3.1	1.1	59.2	11.6
55-64 years	8,099	2,113	78.3	20.4	3.0	2.0	60.4	13.8
65-74 years	5,310	2,122	70.9	28.3	3.4	*1.0	59.1	11.8
75 years and over	2,000	1,840	51.7	47.6	2.6	*0.1	55.0	8.9
75-84 years	1,724	1,508	53.0	46.4	2.8	*0.1	56.1	9.7
85 years and over	276	332	44.9	54.0	*1.3	*0.3	47.8	*5.1
Female								
All ages, 45 years and over	29,113	10,035	73.6	25.4	2.7	0.4	65.2	9.5
45-54 years	10,170	1,403	86.9	12.0	2.5	*0.4	67.3	12.3
All ages, 55 years and over	18,943	8,632	68.0	31.0	2.9	0.4	64.0	9.1
55-64 years	8,894	2,659	76.1	22.7	2.7	*0.7	64.9	11.9
65-74 years	6,472	2,926	68.2	30.8	3.1	*0.4	65.1	8.3
75 years and over	3,577	3,047	53.5	45.6	3.1	*0.1	59.8	7.3
75-84 years	2,968	2,283	56.0	43.1	3.1	*0.0	61.6	7.0
85 years and over	609	765	44.0	55.3	*3.4	*0.3	51.2	*8.4
RACE								
White								
All ages, 45 years and over	47,708	15,391	74.8	24.1	2.8	0.6	65.7	10.2
45-54 years	16,971	2,343	87.0	12.0	2.3	*0.3	67.0	12.1
All ages, 55 years and over	30,737	13,048	69.5	29.5	3.2	0.7	64.9	9.8
55-64 years	15,001	4,248	77.0	21.8	3.0	1.3	65.8	12.7
65-74 years	10,634	4,478	69.7	29.4	3.3	0.7	65.6	9.3
75 years and over	5,102	4,323	53.7	45.5	3.1	*0.1	60.7	7.6
75-84 years	4,277	3,365	55.5	43.7	3.2	*0.1	62.3	7.7
85 years and over	825	958	45.9	53.3	*2.8	*0.4	52.5	*7.1
Black								
All ages, 45 years and over	5,038	1,672	74.2	24.6	1.6	*0.6	39.0	13.3
45-54 years	2,133	253	88.4	10.5	1.7	*0.8	48.0	*22.1
All ages, 55 years and over	2,905	1,419	66.4	32.4	1.6	*0.5	32.4	11.8
55-64 years	1,594	459	76.7	22.1	*1.4	*1.3	35.8	*14.2
65-74 years	962	481	66.0	33.0	2.5	*0.4	31.7	*11.6
75 years and over	350	478	41.6	56.8	*0.3	-	*18.9	*9.4
75-84 years	313	356	46.2	52.6	*0.3	-	*20.8	*10.4
85 years and over	*37	122	*22.6	74.4	-	-	*2.7	*7.4
EDUCATION								
Less than high school education								
All ages, 45 years and over	15,223	10,023	60.0	39.5	1.9	0.5	43.6	9.1
45-54 years	3,904	1,141	77.0	22.5	1.5	*0.2	42.7	12.9
All ages, 55 years and over	11,319	8,882	55.8	43.8	2.1	0.5	43.9	8.6
55-64 years	4,618	2,541	64.1	35.3	1.9	1.4	43.8	11.1
65-74 years	4,156	3,016	57.7	41.9	2.3	*0.3	44.2	8.3
75 years and over	2,545	3,324	43.3	56.5	2.2	*0.1	43.5	7.1
75-84 years	2,084	2,535	45.0	54.7	2.0	*0.0	44.3	7.0
85 years and over	461	789	36.9	63.1	*3.2	*0.3	40.1	*7.5

¹Total includes persons of other races, unknown education, income, insurance coverage, and poverty status not shown separately.

Table 17. Number of dentate and edentulous population, percent of total population, rate of dental visits per person per year, and percent of dentate and edentulous population with a dental visit in past year for persons 45 years of age and over, by dentition status and selected characteristics: United States, 1986—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 II]

Characteristic	Dentate		Edentulous		Dental visits		Dental visit in past year	
	Dentate	Edentulous	Dentate	Edentulous	Dentate	Edentulous	Dentate	Edentulous
	Number in thousands		Percent of total population		Rate per person per year		Percent	
High school graduate								
All ages, 45 years and over	20,682	5,166	79.3	19.8	2.7	0.8	64.6	12.5
45-54 years	8,104	1,110	87.1	11.9	2.1	*0.4	63.3	14.0
All ages, 55 years and over	12,578	4,055	75.0	24.2	3.1	0.9	65.5	12.1
55-64 years	6,999	1,696	79.9	19.4	2.9	*1.0	64.2	14.5
65-74 years	4,182	1,469	73.6	25.9	3.4	*1.4	68.1	11.4
75 years and over	1,398	891	60.3	38.4	3.4	*0.1	63.9	*8.5
75-84 years	1,209	739	61.3	37.5	3.5	*0.1	67.0	*8.3
85 years and over	189	151	54.6	43.6	*2.4	-	44.4	*9.9
Some college or more								
All ages, 45 years and over	17,614	1,862	89.8	9.5	3.4	*0.9	78.5	13.3
45-54 years	7,576	388	94.6	4.8	2.7	*0.9	78.0	*12.6
All ages, 55 years and over	10,038	1,474	86.5	12.7	3.9	*1.0	78.8	13.5
55-64 years	5,191	475	90.9	8.3	3.7	*1.9	78.8	*14.3
65-74 years	3,301	510	86.2	13.3	4.3	*0.8	79.0	*12.7
75 years and over	1,546	489	75.1	23.7	3.9	*0.2	78.2	*13.5
75-84 years	1,332	401	76.0	22.9	4.2	-	78.3	*14.7
85 years and over	214	88	69.7	28.7	*2.2	*1.1	77.6	*8.0
FAMILY INCOME								
Less than \$15,000								
All ages, 45 years and over	11,362	7,686	59.5	40.3	2.1	0.4	44.5	8.7
45-54 years	2,217	678	76.5	23.4	1.4	*0.6	41.4	14.0
All ages, 55 years and over	9,145	7,009	56.5	43.3	2.2	0.4	45.2	8.1
55-64 years	3,209	1,673	65.6	34.2	2.2	*0.5	40.4	11.8
65-74 years	3,646	2,551	58.7	41.1	1.9	*0.6	47.4	7.4
75 years and over	2,290	2,784	45.0	54.7	2.8	*0.1	48.5	6.6
75-84 years	1,917	2,173	46.7	52.9	2.8	-	48.3	6.2
85 years and over	373	611	37.9	62.0	*2.6	*0.4	49.6	*7.9
\$15,000-\$34,999								
All ages, 45 years and over	18,518	5,043	78.4	21.4	3.0	1.0	65.5	12.0
45-54 years	8,153	973	86.1	13.6	2.1	*0.1	60.7	10.6
All ages, 55 years and over	12,365	4,070	75.1	24.7	3.4	1.2	67.9	12.4
55-64 years	6,221	1,759	77.8	22.0	3.0	2.3	64.5	14.0
65-74 years	4,562	1,440	75.8	23.9	4.1	*0.5	71.5	12.2
75 years and over	1,583	871	64.5	35.5	2.9	*0.2	70.5	*9.4
75-84 years	1,330	705	65.4	34.6	3.1	*0.3	73.3	*11.1
85 years and over	253	166	60.5	39.7	*1.9	-	55.7	*2.4
\$35,000 or more								
All ages, 45 years and over	15,457	1,670	90.0	9.7	3.2	*0.7	77.2	15.2
45-54 years	8,390	633	92.7	7.0	2.7	*1.0	76.0	16.0
All ages, 55 years and over	7,067	1,037	86.9	12.8	3.7	*0.6	78.7	14.9
55-64 years	4,918	545	89.6	9.9	3.5	*0.5	78.5	15.6
65-74 years	1,629	248	86.8	13.2	4.2	*1.2	80.6	*15.3
75 years and over	520	244	68.0	31.9	4.5	-	74.6	*12.7
75-84 years	430	172	71.2	28.5	*3.8	-	74.9	*9.3
85 years and over	89	*72	55.3	*44.7	*8.2	-	*74.2	*20.8
DENTAL INSURANCE COVERAGE								
Private dental insurance								
All ages, 45 years and over	18,068	3,027	85.3	14.3	3.2	0.9	74.6	16.0
45-54 years	9,172	949	90.3	9.3	2.6	*0.4	74.4	13.6
All ages, 55 years and over	8,897	2,078	80.7	18.9	3.9	*1.0	74.7	17.1
55-64 years	6,363	1,375	81.8	17.7	3.5	*1.1	73.4	15.6
65-74 years	2,018	456	81.5	18.4	4.5	*1.3	77.2	20.4
75 years and over	515	246	67.0	32.0	6.5	-	81.9	*19.9
75-84 years	460	197	69.3	29.7	5.5	-	81.5	*17.8
85 years and over	*56	*49	*53.3	*46.7	*14.0	-	*83.9	*26.5

Table 17. Number of dentate and edentulous population, percent of total population, rate of dental visits per person per year, and percent of dentate and edentulous population with a dental visit in past year for persons 45 years of age and over, by dentition status and selected characteristics: United States, 1986—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 II]

Characteristic	Dentate		Edentulous		Dental visits		Dental visit in past year	
	Number in thousands	Percent of total population	Rate per person per year	Percent	Dentate	Edentulous	Dentate	Edentulous
No private dental insurance								
All ages, 45 years and over	33,259	13,044	71.4	28.0	2.4	0.6	57.5	9.7
45-54 years	9,731	1,548	85.8	13.7	1.9	*0.4	56.2	13.5
All ages, 55 years and over	23,528	11,496	66.8	32.6	2.7	0.7	58.1	9.2
55-64 years	9,834	3,097	75.6	23.8	2.4	1.4	57.2	11.1
65-74 years	9,018	4,214	67.7	31.6	3.0	0.7	60.1	9.4
75 years and over	4,677	4,185	52.5	47.0	2.6	*0.1	55.9	7.6
75-84 years	3,905	3,259	54.3	45.3	2.8	*0.1	57.8	7.8
85 years and over	772	926	45.3	54.3	*1.8	*0.3	46.2	*6.9
POVERTY STATUS								
Below poverty threshold								
All ages, 45 years and over	3,207	2,273	58.4	41.4	1.4	*0.2	32.8	8.9
45-54 years	1,046	317	76.8	23.3	*0.6	*1.0	37.1	*19.2
All ages, 55 years and over	2,161	1,956	52.3	47.4	1.7	*0.1	30.7	7.3
55-64 years	1,029	611	62.4	37.1	*1.8	—	33.9	*11.5
65-74 years	653	563	53.5	46.1	*1.6	*0.3	27.0	*4.8
75 years and over	479	782	38.0	62.0	*1.6	—	29.0	*5.8
75-84 years	387	599	39.2	60.8	*1.7	—	25.6	*5.5
85 years and over	92	182	33.3	65.9	*1.0	—	*43.5	*6.6
Above poverty threshold								
All ages, 45 years and over	45,504	12,728	77.9	21.8	2.9	0.7	66.8	11.0
45-54 years	17,126	2,107	88.7	10.9	2.4	*0.4	67.9	11.8
All ages, 55 years and over	28,378	10,621	72.5	27.2	3.2	0.8	66.1	10.8
55-64 years	14,449	3,555	79.9	19.7	3.0	1.5	66.1	13.6
65-74 years	9,766	3,814	71.8	28.0	3.5	0.7	67.1	10.6
75 years and over	4,163	3,252	56.0	43.7	3.4	*0.1	63.6	8.0
75-84 years	3,508	2,556	57.7	42.0	3.4	*0.1	65.3	8.0
85 years and over	655	696	48.5	51.5	*3.2	*0.4	54.4	*7.9
LESS THAN HIGH SCHOOL EDUCATION								
Below poverty threshold								
All ages, 45 years and over	2,105	1,749	54.5	45.3	*0.5	*0.0	14.6	3.3
45-54 years	585	216	73.0	27.0	*0.6	*0.1	23.5	*4.4
All ages, 55 years and over	1,520	1,534	49.7	50.1	*0.5	—	12.3	3.1
55-64 years	688	448	60.2	39.2	*0.6	—	17.1	*4.3
65-74 years	463	427	52.0	48.0	*0.7	—	11.7	*1.7
75 years and over	368	658	35.8	64.1	*0.2	—	*7.6	*2.9
Above poverty threshold								
All ages, 45 years and over	10,959	6,772	61.7	38.1	1.4	0.3	30.0	3.7
45-54 years	2,727	805	77.1	22.8	1.4	*0.1	36.6	2.5
All ages, 55 years and over	8,232	5,967	57.8	41.9	1.4	0.3	28.4	4.0
55-64 years	3,421	1,755	65.9	33.8	1.3	0.6	31.5	4.0
65-74 years	3,123	2,149	59.1	40.7	1.5	*0.1	29.5	3.8
75 years and over	1,688	2,063	44.9	54.8	1.3	*0.1	22.4	4.2
HIGH SCHOOL GRADUATE								
Below poverty threshold								
All ages, 45 years and over	742	387	65.5	34.2	*1.5	*0.3	25.7	*5.3
45-54 years	311	*80	79.5	*20.5	*0.2	*0.3	25.3	*5.4
All ages, 55 years and over	432	307	58.2	41.4	*2.2	*0.2	25.8	*5.1
55-64 years	231	137	62.4	37.0	*2.5	—	27.4	*3.0
65-74 years	130	89	59.4	40.6	*0.9	*0.8	*21.5	*5.5
75 years and over	*72	*80	*47.1	*52.3	*3.4	—	*28.3	*9.9
Above poverty threshold								
All ages, 45 years and over	17,972	4,237	80.6	19.0	2.3	0.2	53.9	2.4
45-54 years	7,176	948	87.9	11.6	2.0	*0.0	57.7	1.4
All ages, 55 years and over	10,796	3,289	76.4	23.3	2.5	0.2	51.7	2.9
55-64 years	6,101	1,371	81.2	18.3	2.5	*0.2	53.8	3.0
65-74 years	3,601	1,215	74.7	25.2	2.7	*0.3	52.9	2.9
75 years and over	1,094	703	60.8	39.1	2.0	*0.1	39.8	*2.8

Table 17. Number of dentate and edentulous population, percent of total population, rate of dental visits per person per year, and percent of dentate and edentulous population with a dental visit in past year for persons 45 years of age and over, by dentition status and selected characteristics: United States, 1986—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 II]

<i>Characteristic</i>	<i>Dentate</i>	<i>Edentulous</i>	<i>Dentate</i>	<i>Edentulous</i>	<i>Dental visits -</i>		<i>Dental visit in past year</i>		
					<i>Dentate</i>	<i>Edentulous</i>	<i>Dentate</i>	<i>Edentulous</i>	
SOME COLLEGE OR MORE									
	Number in thousands		Percent of total population		Rate per person per year		Percent		
Below poverty threshold									
All ages, 45 years and over	315	101	75.7	24.3	*1.3	*0.3	42.5	*3.4	
45-54 years	144	*17	89.4	*10.6	*0.7	*0.8	62.7	*3.1	
All ages, 55 years and over	171	84	67.1	32.9	*1.6	-	*29.8	*3.5	
55-64 years	92	*26	78.0	*22.0	*2.8	-	*43.2	*7.6	
65-74 years	*57	*34	*62.6	*37.4	*0.9	-	*24.2	-	
75 years and over	*22	*24	*47.8	*52.2	-	-	*6.5	-	
Above poverty threshold									
All ages, 45 years and over	16,338	1,584	90.9	8.8	3.1	*0.1	72.5	1.2	
45-54 years	7,145	354	95.0	4.7	2.6	*0.0	74.9	*0.6	
All ages, 55 years and over	9,193	1,230	87.9	11.8	3.5	*0.1	70.8	1.6	
55-64 years	4,848	402	92.0	7.6	3.5	*0.1	73.7	*1.0	
65-74 years	3,002	424	87.4	12.3	3.9	*0.1	71.0	*1.8	
75 years and over	1,344	404	76.7	23.0	3.1	-	61.6	*3.0	

Table 18. Dental visits per person per year and percent with visits in past year, by selected characteristics: United States, 1986

[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]

Characteristic	Education level ¹					
	Less than 12 years	12 years	13 years or more	Less than 12 years	12 years	13 years or more
All incomes ²						
Dental visits per person per year			Percent with visit in past year			
All ages, 22 years and over	1.3	2.1	2.6	33.5	54.8	70.2
22-34 years	1.0	1.8	2.0	42.4	54.3	67.2
35-44 years	1.5	2.1	2.6	39.0	58.0	73.1
45-54 years	1.2	1.9	2.6	35.8	56.8	74.4
55-64 years	1.7	2.5	3.5	32.0	54.1	72.8
65 years and over	1.2	2.6	3.5	26.2	49.9	67.1
Less than \$15,000						
All ages, 22 years and over	0.9	1.6	1.8	27.8	40.0	54.6
22-34 years	0.8	1.4	1.4	40.8	45.2	57.2
35-44 years	*1.0	1.3	2.3	33.0	38.2	53.0
45-54 years	*0.6	*1.1	*3.8	28.6	34.4	59.9
55-64 years	1.0	2.3	*3.1	22.9	36.0	55.1
65 years and over	1.0	2.1	*1.5	22.8	37.0	45.0
\$15,000-\$24,999						
All ages, 22 years and over	1.6	2.1	2.7	39.7	56.8	68.1
22-34 years	1.0	1.8	2.1	46.9	56.1	67.0
35-44 years	1.9	1.7	2.9	41.5	57.2	68.5
45-54 years	1.4	1.7	2.5	37.1	55.0	67.6
55-64 years	2.5	2.8	3.5	37.7	57.6	68.0
65 years and over	1.5	3.1	4.0	35.2	59.3	71.4
\$25,000-\$34,999						
All ages, 22 years and over	1.5	2.0	2.5	38.4	53.4	64.3
22-34 years	*0.8	1.6	2.2	44.3	53.5	63.4
35-44 years	*1.7	1.5	2.6	38.6	50.9	65.0
45-54 years	*1.2	*1.0	*2.3	36.1	52.3	64.3
55-64 years	1.9	3.2	2.9	39.4	56.0	62.9
65 years and over	1.7	3.1	3.3	33.7	54.6	67.3
\$35,000 or more						
All ages, 22 years and over	2.3	2.7	2.7	49.3	66.6	77.6
22-34 years	*1.8	2.4	2.4	52.5	63.5	73.5
35-44 years	*1.4	2.8	2.6	53.9	69.9	79.5
45-54 years	*2.3	2.7	2.6	49.0	67.4	78.6
55-64 years	*2.0	2.9	3.6	51.7	66.8	81.3
65 years and over	*4.5	*2.6	3.8	37.8	63.3	81.3
MALE						
All incomes ³						
All ages, 22 years and over	1.3	1.9	2.4	32.2	50.3	67.0
22-34 years	0.7	1.4	1.7	38.9	48.6	62.5
35-44 years	1.3	2.2	2.4	36.0	53.6	69.5
45-54 years	1.0	1.6	2.3	34.7	51.4	72.3
55-64 years	2.3	2.6	3.8	32.1	50.0	72.1
65 years and over	1.2	2.8	3.7	24.8	49.3	64.7
Less than \$15,000						
All ages, 22 years and over	0.9	1.6	1.7	26.1	34.0	50.8
22-34 years	*0.5	*1.0	1.5	36.0	37.9	53.4
35-44 years	*0.8	*1.4	*1.1	28.9	28.1	49.8
45-54 years	*0.7	*0.5	*3.6	27.8	*22.4	*59.1
55-64 years	*0.8	*4.1	*5.3	22.6	34.4	54.5
65 years and over	1.1	*2.1	*1.1	21.6	34.3	35.0

See footnote at end of table.

Table 18. Dental visits per person per year and percent with visits in past year, by selected characteristics: United States, 1986—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 II]

Characteristic	Education level ¹					
	Less than 12 years	12 years	13 years or more	Less than 12 years	12 years	13 years or more
\$15,000–\$34,999						
Dental visits per person per year			Percent with visit in past year			
All ages, 22 years and over	1.7	1.9	2.5	37.3	51.8	63.1
22–34 years	*1.0	1.5	1.9	44.4	50.0	62.5
35–44 years	*1.9	1.9	2.6	38.7	53.5	62.8
45–54 years	*0.9	*1.3	*2.2	30.7	49.2	62.8
55–64 years	3.6	2.4	3.9	38.2	53.3	64.7
65 years and over	*1.0	3.2	3.4	32.5	56.8	65.4
\$35,000 or more						
All ages, 22 years and over	1.8	2.1	2.6	49.2	60.6	74.4
22–34 years	*0.5	*1.1	1.7	50.1	56.4	68.3
35–44 years	*0.4	2.7	2.5	45.6	66.2	76.2
45–54 years	*1.6	2.4	2.5	50.9	61.2	75.8
55–64 years	*2.8	2.7	3.7	53.7	58.7	79.9
65 years and over	*4.2	*2.5	5.1	39.8	63.0	79.5
FEMALE						
All incomes ³						
All ages, 22 years and over	1.3	2.2	2.7	34.6	58.3	73.7
22–34 years	1.3	2.2	2.4	46.0	59.4	71.7
35–44 years	1.7	2.1	2.9	41.8	61.3	77.2
45–54 years	1.5	2.1	3.0	36.9	60.9	77.0
55–64 years	1.1	2.5	3.2	31.8	56.8	73.8
65 years and over	1.3	2.5	3.3	27.2	50.2	69.1
Less than \$15,000						
All ages, 22 years and over	1.0	1.7	1.9	29.0	43.4	57.4
22–34 years	*1.1	1.7	1.3	44.7	50.6	60.4
35–44 years	*1.1	*1.3	*3.3	36.0	43.6	56.0
45–54 years	*0.4	*1.4	*4.0	29.1	40.8	60.4
55–64 years	*1.1	*1.5	*1.9	23.1	36.6	55.8
65 years and over	1.0	2.0	*1.8	23.6	38.2	49.9
\$15,000–\$34,999						
All ages, 22 years and over	1.5	2.2	2.9	42.5	61.0	73.0
22–34 years	*1.0	2.1	2.3	50.0	61.9	71.4
35–44 years	*1.8	1.6	3.3	44.9	60.5	75.3
45–54 years	*1.9	2.0	2.8	44.1	59.6	71.8
55–64 years	*1.1	3.1	3.1	37.0	60.4	71.6
65 years and over	2.0	3.0	4.7	37.9	61.4	77.5
\$35,000 or more						
All ages, 22 years and over	2.9	3.1	2.9	49.4	71.4	81.5
22–34 years	*3.5	3.7	3.1	55.4	70.0	78.6
35–44 years	*2.2	2.9	2.8	60.9	72.4	83.4
45–54 years	*3.0	2.9	2.7	46.9	72.7	82.7
55–64 years	*1.0	3.1	3.5	49.2	73.2	83.4
65 years and over	*4.7	*2.7	*1.9	36.4	63.6	83.8
WHITE						
All incomes ³						
All ages, 22 years and over	1.4	2.2	2.6	34.6	56.5	71.8
22–34 years	1.1	1.9	2.0	44.1	56.6	68.9
35–44 years	1.6	2.2	2.6	40.3	59.8	74.9
45–54 years	1.2	1.9	2.6	36.4	58.5	75.3
55–64 years	1.9	2.6	3.6	33.4	55.5	74.4
65 years and over	1.2	2.7	3.7	27.6	50.7	68.2

See footnote at end of table

Table 18. Dental visits per person per year and percent with visits in past year, by selected characteristics: United States, 1986—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 II]

Characteristic	Education level ¹					
	Less than 12 years	12 years	13 years or more	Less than 12 years	12 years	13 years or more
Less than \$15,000						
Dental visits per person per year						
Percent with visit in past year						
All ages, 22 years and over	0.9	1.8	1.9	28.0	40.2	56.5
22-34 years	*0.9	1.7	1.4	42.0	45.8	60.0
35-44 years	*0.8	*1.4	*2.1	34.3	36.4	54.1
45-54 years	*0.3	*1.3	*4.6	28.7	36.3	61.1
55-64 years	1.2	2.5	*3.7	22.9	37.5	57.5
65 years and over	1.0	2.2	*1.6	23.4	37.5	46.8
\$15,000-\$34,999						
All ages, 22 years and over	1.7	2.2	2.7	40.9	58.6	69.1
22-34 years	*0.9	2.0	2.0	48.6	58.6	67.8
35-44 years	2.0	1.8	3.0	41.8	58.5	70.0
45-54 years	1.5	1.6	2.6	36.2	56.7	69.2
55-64 years	2.6	3.0	3.7	39.4	58.7	68.8
65 years and over	1.5	3.2	4.2	37.3	60.4	72.3
\$35,000 or more						
All ages, 22 years and over	2.3	2.7	2.7	49.9	67.2	78.4
22-34 years	*2.0	2.5	2.3	53.4	63.7	74.3
35-44 years	*1.6	2.9	2.6	53.2	71.6	80.5
45-54 years	*1.7	2.8	2.6	48.9	67.7	78.8
55-64 years	*2.3	3.0	3.7	51.7	66.9	82.3
65 years and over	*4.6	*2.5	3.8	41.2	63.9	81.9
BLACK						
All incomes³						
All ages, 22 years and over	1.1	1.2	2.2	27.6	40.7	57.8
22-34 years	*0.9	1.0	2.5	35.0	40.9	58.0
35-44 years	*1.4	*1.2	*1.9	33.1	45.8	56.6
45-54 years	*1.3	*1.4	*2.3	33.5	39.4	71.2
55-64 years	*1.0	*1.9	*1.8	25.3	34.4	46.2
65 years and over	*1.1	*1.2	*1.5	17.5	30.3	40.6
Less than \$15,000						
All ages, 22 years and over	1.0	*0.7	*1.1	26.7	37.7	48.0
22-34 years	*0.9	*0.7	*1.1	39.3	41.8	51.4
35-44 years	*1.4	*1.0	*1.3	29.8	42.8	49.1
45-54 years	*1.2	*0.6	*1.5	27.9	*22.8	*58.3
55-64 years	*0.5	*1.0	-	21.9	*25.1	*34.9
65 years and over	*1.1	-	*0.7	18.6	*29.5	*19.3
\$15,000-\$34,999						
All ages, 22 years and over	*1.5	1.2	2.7	32.2	41.8	60.7
22-34 years	*1.6	*1.0	3.1	33.9	38.4	60.9
35-44 years	*1.3	*1.3	*2.3	43.3	48.6	58.7
45-54 years	*0.8	*2.0	*1.9	42.1	41.8	66.7
55-64 years	*1.6	*1.3	*2.9	*27.8	43.5	*57.1
65 years and over	*1.8	*0.9	*0.7	*16.1	*33.8	*60.0
\$35,000 or more						
All ages, 22 years and over	*1.6	*1.6	3.0	43.3	53.6	69.6
22-34 years	-	*2.1	*3.7	*22.0	58.7	67.6
35-44 years	-	*1.5	*2.2	*47.2	49.3	67.6
45-54 years	*5.7	*0.7	*2.0	*55.2	54.1	79.4
55-64 years	-	*1.9	*3.3	*56.1	*44.8	*57.0
65 years and over	*1.8	-	*14.5	*16.7	*20.0	*76.9

¹Excludes unknown education level.

²Includes unknown income and persons of other races not shown separately.

³Includes unknown income not shown separately.

Table 19. Selected dental variables, by private dental health insurance status and selected characteristics: United States, 1986

[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]

<i>Characteristic</i>	<i>Population</i>	<i>Rate of visits per person per year</i>	<i>1 or more visits</i>	<i>3 or more visits</i>	<i>Last visit was check-up</i>	<i>Edentulous</i>
SEX						
Both sexes		Number in thousands	Percent of population with visit in past year			Percent of population
All ages¹						
Has insurance	86,600	2.6	70.1	19.1	48.0	4.1
No insurance	129,932	1.7	49.9	12.5	29.7	10.8
2-4 years						
Has insurance	4,363	0.8	37.1	3.3	31.7	-
No insurance	6,130	0.7	27.9	2.7	22.3	0.1
5-17 years						
Has insurance	19,304	3.0	81.4	20.0	61.8	0.0
No insurance	23,834	1.9	62.5	14.4	43.9	-
18-34 years						
Has insurance	25,810	2.3	69.5	18.2	46.6	0.3
No insurance	38,269	1.5	51.7	12.2	29.3	0.6
35-54 years						
Has insurance	26,101	2.6	70.7	21.5	45.4	5.2
No insurance	26,472	1.8	52.2	13.8	30.0	8.8
55-64 years						
Has insurance	7,776	3.1	62.8	20.0	40.3	17.7
No insurance	13,009	2.1	45.8	13.8	23.4	23.8
65 years and over						
Has insurance	3,246	4.0	65.3	21.1	37.6	21.6
No insurance	22,217	1.9	39.4	11.1	20.3	37.8
Male						
All ages						
Has insurance	43,316	2.4	68.0	17.8	46.1	4.2
No insurance	61,047	1.6	47.1	11.1	27.9	9.3
2-4 years						
Has insurance	2,247	*0.7	38.7	3.9	32.5	-
No insurance	3,130	0.8	26.6	*2.1	22.0	-
5-17 years						
Has insurance	10,086	2.9	80.5	18.8	61.9	*0.0
No insurance	12,005	1.7	60.1	12.4	42.9	-
18-34 years						
Has insurance	12,513	1.8	65.5	15.5	44.4	*0.4
No insurance	18,574	1.2	46.2	10.0	26.4	*0.4
35-54 years						
Has insurance	12,924	2.4	67.8	20.6	41.9	5.2
No insurance	12,575	1.6	49.4	12.9	27.6	8.1
55-64 years						
Has insurance	3,973	3.6	62.6	21.3	36.8	17.9
No insurance	5,790	2.3	43.2	12.6	20.4	22.7
65 years and over						
Has insurance	1,572	2.9	63.9	17.6	37.0	23.9
No insurance	8,974	2.2	38.1	11.1	17.9	36.6
Female						
All ages						
Has insurance	43,284	2.9	72.3	20.5	49.8	4.0
No insurance	68,884	1.8	52.5	13.7	31.2	12.1
2-4 years						
Has insurance	2,116	*1.0	35.4	*2.6	30.9	-
No insurance	3,000	*0.6	29.2	3.3	22.6	*0.1
5-17 years						
Has insurance	9,217	3.1	82.4	21.3	61.6	-
No insurance	11,829	2.1	64.8	16.4	44.8	-
18-34 years						
Has insurance	13,297	2.9	73.3	20.8	48.7	*0.2
No insurance	19,695	1.8	56.8	14.3	32.1	0.7
35-54 years						
Has insurance	13,177	2.8	73.5	22.4	48.8	5.3
No insurance	13,897	1.9	54.7	14.7	32.1	9.6
55-64 years						
Has insurance	3,803	2.6	63.0	18.6	43.9	17.5
No insurance	7,220	2.0	48.0	14.7	25.8	24.7
65 years and over						
Has insurance	1,674	5.0	66.5	24.4	38.2	19.6
No insurance	13,243	1.7	40.3	11.1	21.9	38.6

¹Total includes persons of other races or unknown income not shown separately. Persons with unknown insurance coverage are excluded.

Table 19. Selected dental variables, by private dental health insurance status and selected characteristics: United States, 1986—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 II]

<i>Characteristic</i>	<i>Population</i>	<i>Rate of visits per person per year</i>	<i>1 or more visits</i>	<i>3 or more visits</i>	<i>Last visit was check-up</i>	<i>Edentulous</i>
RACE						
White		Number in thousands	Percent of population with visit in past year			Percent of population
All ages						
Has insurance	75,826	2.7	71.5	19.6	49.2	4.2
No insurance	108,483	1.8	52.0	13.1	31.4	11.4
2-4 years						
Has insurance	3,792	0.7	37.3	3.3	32.5	—
No insurance	4,869	0.7	28.7	2.5	22.9	*0.1
5-17 years						
Has insurance	16,685	3.1	83.0	20.6	62.5	*0.0
No insurance	18,536	2.0	65.2	15.1	46.3	—
18-34 years						
Has insurance	22,374	2.4	70.9	18.5	48.0	*0.3
No insurance	31,374	1.6	54.2	12.9	31.7	0.6
35-54 years						
Has insurance	22,872	2.6	72.1	22.0	46.9	5.5
No insurance	22,469	1.9	54.2	14.7	32.1	9.0
55-64 years						
Has insurance	7,098	3.3	64.8	20.5	42.1	17.5
No insurance	11,342	2.3	47.9	14.7	25.1	24.1
65 years and over						
Has insurance	3,004	4.1	67.4	22.0	39.1	20.6
No insurance	19,893	2.0	41.5	11.7	22.0	37.4
Black						
All ages						
Has insurance	7,967	2.0	57.6	16.3	36.1	3.3
No insurance	17,523	1.1	38.5	8.9	19.5	8.3
2-4 years						
Has insurance	409	*0.8	31.3	*2.2	24.0	—
No insurance	1,072	*0.4	23.9	*3.1	19.2	—
5-17 years						
Has insurance	2,020	1.8	68.0	15.8	54.2	—
No insurance	4,521	1.2	51.9	11.4	35.1	—
18-34 years						
Has insurance	2,579	2.2	59.4	18.1	34.9	*0.3
No insurance	5,455	1.1	39.2	9.6	16.6	*0.4
35-54 years						
Has insurance	2,268	2.2	57.1	18.7	28.9	3.7
No insurance	3,128	1.0	39.6	9.6	15.1	8.7
55-64 years						
Has insurance	503	*1.6	39.0	*13.1	20.1	22.9
No insurance	1,400	*1.1	28.6	6.4	10.9	22.8
65 years and over						
Has insurance	187	*2.3	*35.8	*8.0	*13.9	*28.3
No insurance	1,948	*1.0	18.9	5.4	4.5	43.2
FAMILY INCOME						
Less than \$10,000						
All ages						
Has insurance	3,031	2.9	62.4	15.8	37.5	6.2
No insurance	27,592	1.2	38.8	9.6	19.2	17.4
2-4 years						
Has insurance	114	*4.4	*39.5	*9.6	*24.6	—
No insurance	1,532	*0.5	26.0	*2.3	20.0	*0.3
5-17 years						
Has insurance	528	*3.1	68.6	16.7	49.4	—
No insurance	5,420	1.4	56.0	12.5	35.4	—
18-34 years						
Has insurance	1,619	2.0	70.3	16.1	43.5	—
No insurance	8,281	1.3	47.6	12.2	23.3	*0.6
35-54 years						
Has insurance	304	*3.2	42.4	*12.2	*20.1	*12.5
No insurance	3,582	1.0	36.6	10.4	13.1	13.9
55-64 years						
Has insurance	175	*6.5	54.9	*22.3	*16.0	*16.0
No insurance	2,457	1.3	25.5	8.1	7.8	38.6
65 years and over						
Has insurance	291	*4.2	41.2	*14.8	*18.9	41.6
No insurance	6,321	1.0	21.8	5.4	7.6	52.3

Table 19. Selected dental variables, by private dental health insurance status and selected characteristics: United States, 1986—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 II]

Characteristic	Population	Rate of visits per person per year	1 or more visits	3 or more visits	Last visit was check-up	Edentulous
\$10,000–\$19,999						
All ages						
Has insurance	10,861	1.9	58.6	16.0	35.9	7.1
No insurance	30,520	1.5	44.0	10.9	23.5	13.0
2–4 years						
Has insurance	682	*0.4	27.4	*2.1	23.2	–
No insurance	1,576	*0.6	24.8	*1.6	19.0	–
5–17 years						
Has insurance	2,268	1.8	71.6	17.2	52.8	–
No insurance	5,476	1.7	55.5	12.4	37.3	–
18–34 years						
Has insurance	3,835	1.7	59.1	17.3	33.7	*0.3
No insurance	9,117	1.2	47.0	11.4	23.9	0.9
35–54 years						
Has insurance	2,015	1.9	57.5	18.7	29.5	9.8
No insurance	5,268	1.6	39.9	10.7	17.4	14.2
55–64 years						
Has insurance	1,139	2.2	47.1	11.0	29.1	28.3
No insurance	2,926	1.6	39.1	11.0	17.0	26.9
65 years and over						
Has insurance	923	3.9	63.6	18.0	34.9	25.6
No insurance	6,158	1.9	40.3	11.4	19.9	38.2
\$20,000–\$34,999						
All ages						
Has insurance	27,993	2.6	67.2	18.4	44.9	4.2
No insurance	30,003	2.1	56.2	14.1	34.9	6.8
2–4 years						
Has insurance	1,669	*0.6	33.2	*1.9	28.9	–
No insurance	1,399	*0.6	29.5	*2.8	25.7	–
5–17 years						
Has insurance	6,488	2.9	79.1	19.9	58.8	–
No insurance	5,540	2.0	65.1	15.1	46.7	–
18–34 years						
Has insurance	9,115	2.3	68.5	18.5	44.9	*0.5
No insurance	9,642	1.9	55.5	13.4	32.2	*0.6
35–54 years						
Has insurance	7,361	2.5	65.4	19.3	39.7	6.3
No insurance	6,540	1.9	53.7	13.8	33.4	7.7
55–64 years						
Has insurance	2,410	3.7	58.0	19.6	36.7	21.2
No insurance	3,102	2.8	55.9	15.6	29.5	20.3
65 years and over						
Has insurance	949	4.5	71.3	27.3	40.0	16.0
No insurance	3,781	2.8	59.5	17.9	34.9	22.6
\$35,000 or more						
All ages						
Has insurance	36,786	2.9	77.6	21.8	55.3	2.5
No insurance	23,077	2.4	68.5	18.0	46.6	3.9
2–4 years						
Has insurance	1,607	*1.0	46.2	*4.2	40.1	–
No insurance	950	*1.4	38.5	*4.6	31.6	–
5–17 years						
Has insurance	8,303	3.3	88.5	22.2	68.4	*0.0
No insurance	4,378	2.8	81.9	21.0	62.0	–
18–34 years						
Has insurance	9,234	2.9	75.4	19.5	54.1	*0.2
No insurance	6,601	1.9	64.1	14.3	44.1	*0.1
35–54 years						
Has insurance	13,877	2.8	76.8	24.2	51.4	3.7
No insurance	7,037	2.2	69.6	19.1	45.3	4.3
55–64 years						
Has insurance	3,090	3.1	75.2	25.2	50.2	9.9
No insurance	2,292	3.3	68.4	23.2	41.8	10.1
65 years and over						
Has insurance	674	4.3	77.9	23.3	50.9	13.4
No insurance	1,819	3.3	63.7	21.3	38.0	20.0

Table 20. Number of persons by sex and selected demographic characteristics: United States, 1986

[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]

Characteristic	Total population	Number in thousands	
		Male	Female
All ages ¹	229,034	110,607	118,427
2-4 years	10,861	5,577	5,284
5-17 years	44,957	22,992	21,966
5-11 years	23,503	12,135	11,368
12-17 years	21,455	10,857	10,598
18-34 years	68,433	33,514	34,919
18-24 years	26,721	13,020	13,701
25-34 years	41,712	20,494	21,218
35-54 years	55,213	26,824	28,389
35-44 years	32,548	15,858	16,689
45-54 years	22,665	10,965	11,700
55-64 years	22,033	10,345	11,688
65 years and over	27,538	11,357	16,181
65-74 years	16,987	7,490	9,496
75 years and over	10,551	3,866	6,685
RACE			
White			
All ages	194,366	94,571	99,794
2-4 years	8,911	4,623	4,288
5-11 years	19,111	9,856	9,255
12-17 years	17,474	8,925	8,549
18-34 years	57,178	28,373	28,805
35-44 years	27,950	13,817	14,133
45-54 years	19,502	9,554	9,948
55-64 years	19,487	9,216	10,271
65 years and over	24,753	10,206	14,547
65-74 years	15,254	6,740	8,514
75 years and over	9,499	3,466	6,033
Black			
All ages	27,379	12,679	14,700
2-4 years	1,565	775	790
5-11 years	3,614	1,869	1,745
12-17 years	3,300	1,626	1,674
18-34 years	8,699	3,961	4,738
35-44 years	3,410	1,517	1,893
45-54 years	2,413	1,072	1,342
55-64 years	2,079	934	1,145
65 years and over	2,298	924	1,374
65-74 years	1,457	616	841
75 years and over	841	308	532
HISPANIC ORIGIN			
Non-Hispanic			
All ages	211,651	101,957	109,694
2-4 years	9,555	4,882	4,672
5-11 years	20,945	10,801	10,144
12-17 years	19,461	9,793	9,668
18-34 years	62,447	30,561	31,886
35-44 years	30,279	14,782	15,497
45-54 years	21,325	10,316	11,009
55-64 years	20,966	9,828	11,138
65 years and over	26,672	10,993	15,679
Hispanic			
All ages	17,383	8,650	8,733
2-4 years	1,306	694	612
5-11 years	2,557	1,334	1,224
12-17 years	1,994	1,064	930
18-34 years	5,985	2,953	3,033
35-44 years	2,269	1,077	1,192
45-54 years	1,340	649	690
55-64 years	1,067	516	550
65 years and over	865	363	502

¹Includes persons of other races not shown separately.

Table 20. Number of persons by sex and selected demographic characteristics: United States, 1986—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 II]

<i>Characteristic</i>	<i>Total population</i>	<i>Male</i>	<i>Female</i>
		Number in thousands	
Mexican-American:			
All ages	9,184	4,715	4,468
2-4 years	817	424	393
5-11 years	1,552	844	708
12-17 years	1,120	618	501
18-34 years	3,202	1,617	1,585
35-44 years	1,047	522	525
45-54 years	628	292	336
55-64 years	466	231	235
65 years and over	352	167	185
Other Hispanic:			
All ages	8,199	3,935	4,265
2-4 years	489	270	219
5-11 years	1,005	490	515
12-17 years	874	446	429
18-34 years	2,783	1,335	1,448
35-44 years	1,222	554	668
45-54 years	712	358	354
55-64 years	601	285	315
65 years and over	514	197	317
PLACE OF RESIDENCE			
MSA			
All ages	175,643	84,638	91,005
2-4 years	8,321	4,283	4,038
5-11 years	17,926	9,321	8,605
12-17 years	16,117	8,204	7,913
18-34 years	54,001	26,228	27,773
35-44 years	25,342	12,247	13,095
45-54 years	17,519	8,536	8,984
55-64 years	16,475	7,724	8,751
65 years and over	19,942	8,096	11,847
Central city:			
All ages	69,113	32,313	36,800
2-4 years	3,207	1,638	1,570
5-11 years	6,761	3,437	3,324
12-17 years	5,843	2,926	2,917
18-34 years	22,379	10,580	11,800
35-44 years	8,987	4,241	4,746
45-54 years	6,570	3,118	3,452
55-64 years	6,490	2,860	3,631
65 years and over	8,876	3,514	5,362
Not central city:			
All ages	106,530	52,325	54,205
2-4 years	5,113	2,645	2,468
5-11 years	11,165	5,884	5,281
12-17 years	10,274	5,278	4,996
18-34 years	31,621	15,648	15,973
35-44 years	16,356	8,006	8,350
45-54 years	10,949	5,418	5,531
55-64 years	9,985	4,865	5,120
65 years and over	11,067	4,582	6,484
Not MSA			
All ages	53,391	25,969	27,422
2-4 years	2,540	1,294	1,246
5-11 years	5,577	2,814	2,763
12-17 years	5,338	2,653	2,685
18-34 years	14,432	7,286	7,146
35-44 years	7,205	3,611	3,594
45-54 years	5,146	2,430	2,716
55-64 years	5,557	2,620	2,937
65 years and over	7,595	3,261	4,335

Table 20. Number of persons by sex and selected demographic characteristics: United States, 1986-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 II]

<i>Characteristic</i>	<i>Total population</i>	<i>Male</i>	<i>Female</i>
GEOGRAPHIC REGION			
Northeast			
		Number in thousands	
All ages	49,139	23,487	25,653
2-4 years	1,939	994	945
5-11 years	4,601	2,388	2,212
12-17 years	4,326	2,213	2,113
18-34 years	14,332	6,954	7,379
35-44 years	6,965	3,406	3,559
45-54 years	4,904	2,381	2,523
55-64 years	5,264	2,504	2,759
65 years and over	6,808	2,645	4,163
Midwest			
All ages	56,240	27,333	28,907
2-4 years	2,643	1,399	1,244
5-11 years	5,934	3,046	2,888
12-17 years	5,378	2,795	2,583
18-34 years	16,576	8,186	8,392
35-44 years	7,866	3,814	4,052
45-54 years	5,672	2,764	2,908
55-64 years	5,159	2,461	2,698
65 years and over	7,011	2,868	4,143
South			
All ages	78,306	37,631	40,676
2-4 years	3,899	1,928	1,971
5-11 years	8,138	4,201	3,936
12-17 years	7,689	3,813	3,875
18-34 years	23,613	11,588	12,025
35-44 years	11,143	5,361	5,782
45-54 years	7,605	3,628	3,977
55-64 years	7,199	3,368	3,831
65 years and over	9,021	3,743	5,278
West			
All ages	45,348	22,157	23,191
2-4 years	2,380	1,256	1,124
5-11 years	4,831	2,499	2,332
12-17 years	4,062	2,035	2,026
18-34 years	13,910	6,785	7,124
35-44 years	6,574	3,277	3,296
45-54 years	4,485	2,192	2,292
55-64 years	4,411	2,011	2,399
65 years and over	4,698	2,101	2,597

Table 21. Number of persons by sex and selected socioeconomic characteristics: United States, 1986

[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]

<i>Characteristic</i>	<i>Total population</i>	<i>Male</i>	<i>Female</i>
EDUCATIONAL LEVEL¹			
Less than 9 years			
Number in thousands			
All ages, 22 years and over	18,653	8,821	9,832
22-34 years	2,189	1,156	1,033
35-44 years	1,680	880	801
45-54 years	2,323	1,168	1,155
55-64 years	3,792	1,999	1,793
65 years and over	8,669	3,618	5,050
9-11 years			
All ages, 22 years and over	19,093	8,714	10,379
22-34 years	5,530	2,758	2,772
35-44 years	2,992	1,374	1,618
45-54 years	2,744	1,264	1,480
55-64 years	3,415	1,562	1,853
65 years and over	4,413	1,755	2,657
12 years			
All ages, 22 years and over	59,905	25,915	33,990
22-34 years	21,700	10,313	11,386
35-44 years	12,139	5,106	7,032
45-54 years	9,302	4,020	5,282
55-64 years	8,764	3,453	5,311
65 years and over	8,001	3,022	4,979
13 years or more			
All ages, 22 years and over	58,972	30,324	28,648
22-34 years	23,935	11,732	12,203
35-44 years	15,425	8,318	7,107
45-54 years	8,010	4,381	3,630
55-64 years	5,713	3,153	2,560
65 years and over	5,888	2,740	3,148
FAMILY INCOME²			
Less than \$10,000			
All ages	32,220	13,162	19,059
2-4 years	1,670	823	846
5-11 years	3,363	1,686	1,677
12-17 years	2,743	1,353	1,391
18-34 years	10,460	4,558	5,902
35-44 years	2,424	935	1,489
45-54 years	1,598	588	1,011
55-64 years	2,808	1,010	1,799
65 years and over	7,154	2,209	4,945
65-74 years	3,628	1,172	2,455
75 years and over	3,527	1,037	2,490
\$10,000-\$19,999			
All ages	43,537	20,474	23,063
2-4 years	2,315	1,191	1,124
5-11 years	4,360	2,265	2,095
12-17 years	3,695	1,808	1,887
18-34 years	13,573	6,525	7,049
35-44 years	4,662	2,192	2,470
45-54 years	3,003	1,178	1,824
55-64 years	4,341	1,795	2,545
65 years and over	7,587	3,519	4,068
65-74 years	5,008	2,345	2,663
75 years and over	2,580	1,174	1,405

See footnotes at end of table.

Table 21. Number of persons by sex and selected socioeconomic characteristics: United States, 1986—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 II.]

<i>Characteristic</i>	<i>Total population</i>	<i>Male</i>	<i>Female</i>
\$20,000–\$34,999			
Number in thousands			
All ages	60,478	30,422	30,055
2–4 years	3,171	1,626	1,545
5–11 years	6,787	3,532	3,255
12–17 years	5,623	2,906	2,717
18–34 years	19,763	9,858	9,905
35–44 years	8,919	4,582	4,337
45–54 years	5,446	2,689	2,757
55–64 years	5,741	2,830	2,911
65 years and over	5,027	2,399	2,628
65–74 years	3,589	1,781	1,808
75 years and over	1,438	618	820
\$35,000 or more			
All ages	62,066	32,026	30,040
2–4 years	2,604	1,367	1,237
5–11 years	6,455	3,399	3,057
12–17 years	6,612	3,386	3,226
18–34 years	16,740	8,516	8,224
35–44 years	12,475	6,235	6,240
45–54 years	9,047	4,831	4,216
55–64 years	5,490	2,964	2,526
65 years and over	2,642	1,328	1,314
65–74 years	1,877	1,036	841
75 years and over	765	293	473
DENTAL INSURANCE COVERAGE³			
Private dental insurance			
All ages	86,600	43,316	43,284
2–4 years	4,363	2,247	2,116
5–11 years	10,057	5,313	4,744
12–17 years	9,247	4,773	4,474
18–34 years	25,810	12,513	13,297
35–44 years	15,949	7,841	8,108
45–54 years	10,152	5,083	5,070
55–64 years	7,776	3,973	3,803
65 years and over	3,246	1,572	1,674
65–74 years	2,477	1,283	1,194
75 years and over	769	289	480
No private dental insurance			
All ages	129,932	61,047	68,884
2–4 years	6,130	3,130	3,000
5–11 years	12,530	6,344	6,186
12–17 years	11,305	5,661	5,644
18–34 years	38,269	18,574	19,695
35–44 years	15,133	7,288	7,845
45–54 years	11,339	5,287	6,052
55–64 years	13,009	5,790	7,220
65 years and over	22,217	8,974	13,243
65–74 years	13,316	5,705	7,610
75 years and over	8,902	3,269	5,633

¹Includes unknown educational level not shown separately.
²Includes unknown family income not shown separately.
³Includes unknown insurance coverage not shown separately.

Table 22. Number of persons by sex and selected health characteristics: United States, 1986

[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]

<i>Characteristic</i>	<i>Total population</i>	<i>Male</i>	<i>Female</i>
ASSESSED HEALTH STATUS¹			
Excellent or very good			
		Number in thousands	
All ages	151,010	76,164	74,846
2-4 years	8,555	4,352	4,203
5-11 years	18,750	9,777	8,973
12-17 years	16,668	8,633	8,035
18-34 years	50,613	25,848	24,765
35-44 years	22,792	11,528	11,264
45-54 years	13,524	6,883	6,641
55-64 years	9,922	4,797	5,125
65 years and over	10,188	4,346	5,842
Good			
All ages	53,599	23,818	29,781
2-4 years	1,906	1,033	874
5-11 years	4,074	1,988	2,086
12-17 years	4,067	1,931	2,136
18-34 years	14,461	6,268	8,193
35-44 years	7,094	3,101	3,993
45-54 years	5,956	2,649	3,306
55-64 years	7,040	3,189	3,851
65 years and over	9,001	3,660	5,341
Fair or poor			
All ages	23,482	10,217	13,265
2-4 years	300	147	153
5-11 years	546	312	234
12-17 years	624	260	365
18-34 years	3,173	1,312	1,861
35-44 years	2,584	1,198	1,387
45-54 years	3,120	1,390	1,730
55-64 years	4,962	2,291	2,670
65 years and over	8,173	3,307	4,866
LIMITATION OF ACTIVITY			
Unable to carry on major activity			
All ages	9,241	4,987	4,274
2-4 years	*81	*36	*45
5-11 years	*68	*41	*26
12-17 years	*73	*40	*33
18-34 years	1,234	737	497
35-44 years	998	574	425
45-54 years	1,235	696	539
55-64 years	2,619	1,566	1,053
65 years and over	2,933	1,277	1,656
Limited in amount or kind of major activity			
All ages	12,944	5,847	7,097
2-4 years	169	*68	101
5-11 years	945	627	318
12-17 years	861	543	317
18-34 years	1,941	1,024	917
35-44 years	1,622	861	761
45-54 years	1,624	673	951
55-64 years	2,457	947	1,510
65 years and over	3,325	1,104	2,221
Limited, but not in major activity			
All ages	10,682	4,459	6,222
2-4 years	98	*71	*27
5-11 years	323	165	158
12-17 years	445	218	227
18-34 years	1,725	859	865
35-44 years	1,218	487	731
45-54 years	1,075	423	651
55-64 years	1,359	393	966
65 years and over	4,440	1,843	2,597

See footnotes at end of table.

Table 22. Number of persons by sex and selected health characteristics: United States, 1986—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 II]

<i>Characteristic</i>	<i>Total population</i>	<i>Male</i>	<i>Female</i>
Not limited in activity			
		Number in thousands	
All ages	196,167	95,333	100,834
2-4 years	10,512	5,401	5,112
5-11 years	22,167	11,302	10,866
12-17 years	20,076	10,056	10,020
18-34 years	63,533	30,893	32,640
35-44 years	28,710	13,937	14,773
45-54 years	18,731	9,173	9,558
55-64 years	15,598	7,438	8,160
65 years and over	16,840	7,133	9,707
DENTITION STATUS²			
Dentate			
35 years and over	85,113	40,186	44,927
35-44 years	30,971	15,157	15,814
45-54 years	19,791	9,620	10,170
55-64 years	16,993	8,099	8,894
65 years and over	17,358	7,309	10,048
65-74 years	11,781	5,310	6,472
75 years and over	5,577	2,000	3,577
Edentulous			
35 years and over	18,630	7,868	10,762
35-44 years	1,277	549	727
45-54 years	2,647	1,243	1,403
55-64 years	4,771	2,113	2,659
65 years and over	9,936	3,962	5,973
65-74 years	5,048	2,122	2,926
75 years and over	4,887	1,840	3,047

¹Unknown health status not shown separately.

²Unknown dentition status not shown separately.

Table 23. Number of persons by education level and selected characteristics: United States, 1986

[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.]

Characteristic	Education level ¹		
	Less than 12 years	12 years	13 years or more
All incomes ²			
Number in thousands			
All ages, 22 years and over	37,747	59,905	58,972
22-34 years	7,719	21,700	23,935
35-44 years	4,672	12,139	15,425
45-54 years	5,067	9,302	8,010
55-64 years	7,207	8,764	5,713
65 years and over	13,081	8,001	5,888
Less than \$15,000			
All ages, 22 years and over	16,211	11,829	6,881
22-34 years	3,151	4,621	3,842
35-44 years	1,564	1,831	1,022
45-54 years	1,411	1,070	397
55-64 years	2,778	1,574	499
65 years and over	7,306	2,733	1,121
\$15,000-\$34,999			
All ages, 22 years and over	11,773	25,515	20,536
22-34 years	2,716	10,448	9,653
35-44 years	1,859	5,002	4,674
45-54 years	1,838	3,383	1,891
55-64 years	2,571	3,601	1,786
65 years and over	2,788	3,081	2,532
\$15,000-\$24,999			
All ages, 22 years and over	7,831	13,360	9,210
22-34 years	1,846	5,612	4,395
35-44 years	1,099	2,263	1,809
45-54 years	1,104	1,477	778
55-64 years	1,668	1,915	804
65 years and over	2,113	2,093	1,424
\$25,000-\$34,999			
All ages, 22 years and over	3,942	12,155	11,327
22-34 years	869	4,836	5,258
35-44 years	760	2,739	2,865
45-54 years	734	1,906	1,113
55-64 years	903	1,686	982
65 years and over	675	988	1,107
\$35,000 or more			
All ages, 22 years and over	3,194	14,224	25,480
22-34 years	617	4,203	8,514
35-44 years	547	3,692	8,204
45-54 years	833	3,400	4,795
55-64 years	690	2,120	2,662
65 years and over	508	809	1,305
MALE			
All incomes ³			
All ages, 22 years and over	17,535	25,915	30,324
22-34 years	3,914	10,313	11,732
35-44 years	2,253	5,106	8,318
45-54 years	2,432	4,020	4,381
55-64 years	3,562	3,453	3,153
65 years and over	5,374	3,022	2,740
Less than \$15,000			
All ages, 22 years and over	6,637	4,282	2,929
22-34 years	1,419	1,985	1,759
35-44 years	668	638	490
45-54 years	583	366	132
55-64 years	1,165	465	178
65 years and over	2,802	828	371

See footnotes at end of table.

Table 23. Number of persons by education level and selected characteristics: United States, 1986—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 II]

Characteristic	Education level ¹		
	Less than 12 years	12 years	13 years or more
Number in thousands			
\$15,000–\$34,999			
All ages, 22 years and over	6,293	11,737	10,329
22–34 years	1,474	5,095	4,713
35–44 years	1,024	2,315	2,537
45–54 years	964	1,498	895
55–64 years	1,446	1,433	915
65 years and over	1,385	1,396	1,268
\$35,000 or more			
All ages, 22 years and over	1,650	6,351	13,952
22–34 years	359	2,029	4,255
35–44 years	250	1,496	4,471
45–54 years	436	1,558	2,829
55–64 years	395	941	1,615
65 years and over	211	327	782
FEMALE			
All incomes³			
All ages, 22 years and over	20,212	33,990	28,648
22–34 years	3,805	11,386	12,203
35–44 years	2,419	7,032	7,107
45–54 years	2,635	5,282	3,630
55–64 years	3,646	5,311	2,560
65 years and over	7,708	4,979	3,148
Less than \$15,000			
All ages, 22 years and over	9,574	7,547	3,951
22–34 years	1,733	2,636	2,083
35–44 years	896	1,193	532
45–54 years	828	704	265
55–64 years	1,613	1,109	321
65 years and over	4,504	1,905	750
\$15,000–\$34,999			
All ages, 22 years and over	5,480	13,778	10,208
22–34 years	1,241	5,353	4,940
35–44 years	835	2,687	2,136
45–54 years	874	1,885	997
55–64 years	1,125	2,168	871
65 years and over	1,403	1,685	1,264
\$35,000 or more			
All ages, 22 years and over	1,544	7,873	11,529
22–34 years	258	2,174	4,258
35–44 years	297	2,195	3,733
45–54 years	397	1,843	1,966
55–64 years	295	1,180	1,047
65 years and over	297	481	524
WHITE			
All incomes³			
All ages, 22 years and over	30,744	52,512	51,960
22–34 years	6,077	18,219	20,443
35–44 years	3,698	10,406	13,580
45–54 years	3,930	8,259	7,093
55–64 years	5,907	8,049	5,270
65 years and over	11,132	7,579	5,574

See footnotes at end of table.

Table 23. Number of persons by education level and selected characteristics: United States, 1986—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 II]

Characteristic	Education level ¹		
	Less than 12 years	12 years	13 years or more
Number in thousands			
Less than \$15,000			
All ages, 22 years and over	12,516	9,531	5,332
22-34 years	2,248	3,380	2,830
35-44 years	1,133	1,359	751
45-54 years	931	848	303
55-64 years	2,141	1,364	421
65 years and over	6,063	2,579	1,027
\$15,000-\$34,999			
All ages, 22 years and over	10,237	22,760	18,080
22-34 years	2,362	9,173	8,309
35-44 years	1,573	4,311	4,084
45-54 years	1,551	3,017	1,644
55-64 years	2,248	3,305	1,649
65 years and over	2,504	2,955	2,394
\$35,000 or more			
All ages, 22 years and over	2,816	13,113	23,304
22-34 years	543	3,810	7,718
35-44 years	479	3,333	7,458
45-54 years	736	3,146	4,342
55-64 years	613	2,045	2,517
65 years and over	444	779	1,269
BLACK			
All incomes ²			
All ages, 22 years and over	5,974	5,979	4,529
22-34 years	1,361	2,932	2,248
35-44 years	807	1,412	1,148
45-54 years	941	818	601
55-64 years	1,168	517	325
65 years and over	1,696	300	207
Less than \$15,000			
All ages, 22 years and over	3,286	1,973	1,059
22-34 years	779	1,053	609
35-44 years	403	397	220
45-54 years	419	197	84
55-64 years	585	187	*63
65 years and over	1,101	139	83
\$15,000-\$34,999			
All ages, 22 years and over	1,233	2,146	1,663
22-34 years	289	1,024	913
35-44 years	194	558	390
45-54 years	240	299	177
55-64 years	273	200	98
65 years and over	236	*65	85
\$35,000 or more			
All ages, 22 years and over	240	800	1,224
22-34 years	*41	334	472
35-44 years	*53	270	374
45-54 years	*58	157	272
55-64 years	*57	*29	93
65 years and over	*30	*10	*13

¹Excludes unknown education level.

²Includes unknown income and persons of other races not shown separately.

³Includes unknown income not shown separately.

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Appendix I

Technical notes on methods

Background

This report is one of a series of statistical reports published by the staff of the National Center for Health Statistics (NCHS). It is based on information collected in a continuing nationwide sample of households included in the National Health Interview Survey (NHIS). Data are obtained on the personal, sociodemographic, and health characteristics of the family members and unrelated individuals living in these households.

Field operations for the survey are conducted by the U.S. Bureau of the Census under specifications established by NCHS. The U.S. Bureau of the Census participates in the survey planning, selects the sample, and conducts the interviews. The data are then transmitted to NCHS for preparation, processing, and analysis.

Summary reports and reports on special topics for each year's data are prepared by the staff of the Division of Health Interview Statistics for publication in the NCHS, *Vital and Health Statistics*, Series 10. Data are also tabulated for other reports published by NCHS staff and for use by other organizations and by researchers within and outside the Government. Since 1969, public use tapes have been prepared for each year of data collection.

It should be noted that the health characteristics described by NHIS estimates pertain only to the resident, civilian noninstitutionalized population of the United States living at the time of the interview. The sample does not include persons residing in nursing homes, members of the armed forces, institutionalized persons, or U.S. nationals living abroad.

Statistical design of NHIS

General design

Data from NHIS have been collected continuously since 1957. The sample design of the survey has undergone changes following each decennial census. This periodic redesign of the NHIS sample allows the incorporation of the latest population information and statistical methodology into the survey design. The data presented in this report are from an NHIS sample design first used in 1985. It is anticipated that this design will be used until 1995.

The sample design plan of the NHIS follows a multi-stage probability design that permits continuous sampling

of the civilian noninstitutionalized population residing in the United States. The survey is designed in such a way that the sample scheduled for each week is representative of the target population and the weekly samples are additive over time. This design permits estimates for high-frequency measures or for large population groups to be produced from a short period of data collection. Estimates for low-frequency measures or for smaller population subgroups can be obtained from a longer period of data collection. The annual sample is designed so that tabulations can be provided for each of the four major geographic regions. Because interviewing is done throughout the year, there is no seasonal bias for annual estimates.

The continuous data collection also has administrative and operational advantages because field work can be handled on a continuing basis with an experienced, stable staff.

Sample selection

The target population for NHIS is the civilian noninstitutionalized population residing in the United States. For the first stage of the sample design, the United States is considered to be a universe composed of approximately 1,900 geographically defined primary sampling units (PSU's). A PSU consists of a county, a small group of contiguous counties, or a metropolitan statistical area. The PSU's collectively cover the 50 States and the District of Columbia. The 52 largest PSU's are selected into the sample with certainty and are referred to as self-representing PSU's. The other PSU's in the universe are referred to as nonself-representing PSU's. These PSU's are clustered into 73 strata, and two sample PSU's are chosen from each stratum, with probability proportional to population size. This gives a total of 198 PSU's selected in the first stage.

Within a PSU, two types of second-stage units, referred to as segments, are used. The first type, area segments, are defined geographically, and each contains an expected eight households. The second type, permit area segments, cover geographical areas containing housing units built after the 1980 census. The permit area segments are defined using updated lists of building permits issued in the PSU since 1980; each contains an expected four households.

Within each segment, all occupied households are targeted for interview. On occasion, a sample segment may contain a large number of households. In this situation, the

households are subsampled to provide a manageable interviewer workload.

The sample was designed so that a typical NHIS sample for the data collection years 1985–95 will consist of approximately 7,500 segments containing about 59,000 assigned households. Of these households, an expected 10,000 will be vacant, demolished, or occupied by persons not in the target population of the survey. The expected sample of 49,000 occupied households will yield a probability sample of about 127,000 persons.

New features of the NHIS sample redesign

Starting in 1985, the NHIS design incorporated several new design features. The major changes include the following:

- *Use of an all-area frame.* The NHIS sample is now designed so that it can serve as a sample frame for other NCHS population-based surveys. In previous NHIS designs, about two-thirds of the sample was obtained from lists of addresses compiled at the time of the decennial census; that is, a list frame. Due to U.S. Bureau of the Census confidentiality restrictions, these sample addresses could be used for only those surveys being conducted by the U.S. Bureau of the Census. The methodology used to obtain addresses in the 1985 NHIS area frame does not use the census address lists. The sample addresses thus obtained can be used as a sampling frame for other NCHS surveys.
- *The NHIS as four panels.* Four national subdesigns, or panels, constitute the full NHIS. Each panel contains a representative sample of the U.S. civilian noninstitutionalized population. Each of the four panels has the same sampling properties, and any combination of panels defines a national design. Panels were constructed to facilitate the linkage of NHIS to other surveys and also to efficiently make large reductions in the size of the sample by eliminating panels from the survey.

Budgetary considerations required the NHIS sample to be reduced by 50 percent for the 1986 data collection year. This was accomplished by dropping two panels from the NHIS design. For 1986 the sample consisted of 4,076 segments, containing 29,751 assigned households. Of the 24,698 households eligible for interview, 23,838 households were actually interviewed, resulting in a sample of 62,052 persons.

- *Oversampling of black persons.* One of the goals in designing the current NHIS was to improve the precision of estimates for black persons. This was accomplished by the use of differential sampling rates in PSU's with between about 5 and 50 percent black population. Sampling rates for selection of segments were increased in areas known to have the highest concentrations of black persons. Segment sampling rates were decreased in other areas within the PSU to ensure that the total sample in each PSU was the same

size as it would have been without oversampling black persons.

- *Reduction in the number of sampled PSU's.* Interviewer travel to sample PSU's constitutes a large component of the total field costs for the NHIS. The previous NHIS design included 376 PSU's. Research showed that reducing the number of sample PSU's while increasing the sample size within PSU's would reduce travel costs and also maintain the reliability of health estimates (Moore, 1985). The design now contains 198 PSU's.
- *Selection of two PSU's per nonself-representing stratum.* In the previous design, one PSU was selected from each nonself-representing stratum. This feature necessitated the use of less efficient variance estimation procedures; the selection of two PSU's allows more efficient variance estimation methodology (Moore, 1985).

Collecting and processing the data

The NHIS questionnaire contains two major parts. The first consists of topics that remain relatively the same from year to year. Among these topics are the incidence of acute conditions, the prevalence of chronic conditions, the number of persons limited in activity due to chronic conditions, restriction in activity due to impairment or health problems, and utilization of health care services involving physician care and short-stay hospitalization. The second part consists of special topics added as supplements to each year's questionnaire.

Careful procedures are followed to ensure the quality of data collected in the interview. Most households in the sample are contacted by mail before the interviewers arrive; potential respondents are informed of the importance of the survey and assured that all information obtained in the interview will be held in strict confidence. Interviewers make repeated trips to a household when a respondent is not immediately found. The success of these procedures is indicated by the response rate for the survey, which has been between 96 and 98 percent over the years.

When contact is made, the interviewer attempts to have all family members of the household 19 years of age and over present during the interview. When this is not possible, proxy responses for absent adult family members are accepted. In most situations, proxy respondents are used for persons under 19 years of age. Persons 17 and 18 years of age may respond for themselves, however.

Interviewers undergo extensive training and retraining. The quality of their work is checked by means of periodic observation and by reinterview and is also evaluated in statistical studies of the data they obtain in their interviews. A field edit is performed on all completed interviews so that if there are any problems with the information on the questionnaire, respondents may be recontacted to solve the problem.

NOTE: A list of references follows the text.

Completed questionnaires are sent from the U.S. Bureau of the Census field offices to NCHS for coding and editing. To ensure the accuracy of coding, 5 percent of all questionnaires is recoded and keyed by other coders. A 100-percent verification procedure is used when certain error tolerances are exceeded. Staff of the Division of Health Interview Statistics then edit the files to remove impossible and inconsistent codes.

The interview, field work, and data processing procedures summarized above are described in detail in *Vital and Health Statistics*, Series 1, No. 18 (NCHS, 1985).

Estimation procedures

Because the design of NHIS is a complex, multistage probability sample, it is necessary to reflect its complex procedures in the derivation of estimates. The estimates presented in this report are based upon 1986 sample person counts weighted to produce national estimates. The weight for each sample person is the product of four component weights:

- *Probability of selection.* The basic weight for each person is obtained by multiplying the reciprocals of the probabilities of selection at each step in the design: PSU, segment, and household.
- *Household nonresponse adjustment within segment.* In NHIS, interviews are completed for about 96 percent of all eligible households. Because of household nonresponse, a weighting adjustment is required. The nonresponse adjustment weight is a ratio, with the number of households in a sample segment as the numerator and the number of households actually interviewed in that segment as the denominator. This adjustment reduces bias in an estimate to the extent that persons in the noninterviewed households have the same characteristics as the persons in the interviewed households in the same segment.
- *First-stage ratio adjustment.* The weight for persons in the nonself-representing PSU's is ratio-adjusted to the 1980 population within four race-residence classes of the nonself-representing strata within each geographic region.
- *Poststratification by age-sex-race.* Within each of 60 age-sex-race cells (table I), a weight is constructed each quarter to ratio-adjust the first-stage population estimate based on the NHIS to an independent estimate of the population of each cell. These independent estimates are prepared by the U.S. Bureau of the Census and are updated quarterly.

The main effect of the ratio estimating process is to make the sample more closely representative of the target population in age, sex, race, and residence. The poststratification adjustment helps to reduce the bias resulting from sampling frame undercoverage; further, this adjustment frequently reduces sampling variance.

Table I. The 60 poststratification age-sex-race cells in the National Health Interview Survey

Age	Black		All other	
	Male	Female	Male	Female
Under 1 year	X	X	X	X
1-4 years	X	X	X	X
5-9 years	X	X	X	X
10-14 years	X	X	X	X
15-17 years	X	X	X	X
18-19 years	X	X	X	X
20-24 years	X	X	X	X
25-29 years	X	X	X	X
30-34 years	X	X	X	X
35-44 years	X	X	X	X
45-49 years	X	X	X	X
50-54 years	X	X	X	X
55-64 years	X	X	X	X
65-74 years	X	X	X	X
75 years and over	X	X	X	X

Types of estimates

As noted, NHIS data were collected on a weekly basis, with each week's sample representing the resident, civilian noninstitutionalized population of the United States living during that week. The weekly samples are consolidated to produce quarterly files (each consisting of data for 13 weeks). Weights adjusting the data to represent the U.S. population are assigned to each of the four quarterly files. These quarterly files are later consolidated to produce the annual file, which is the basis of most tabulations of NHIS data.

NHIS uses various reference periods to reduce the amount of bias associated with poor respondent memory. A 2-week reference period is used in collecting data on the incidence of acute conditions, restriction in activity due to a health problem, and physician contacts. Each of these involves health-related events that may be forgotten soon after they occur, such as telephoning a physician about a minor illness, missing a day from work because of a routine health problem, or having a cold. Depending on the type of statistic, either a 12- or a 6-month reference period is used for hospitalization data, because hospitalization ordinarily involves a major event in a person's life and is not quickly forgotten. Chronic condition prevalence estimates are based on a 12-month reference period.

Because most NHIS estimates based on a 2-week reference period are designed to represent the number of health events for a 12-month period, these data must be adjusted to an annual basis. Data based on a 2-week reference period are multiplied by 6.5 to produce the 13-week estimate for the quarter. These reference period adjustments are made at the time that the quarterly files are produced. Therefore, the data can be used to produce estimates for each quarter and are used that way to study seasonal variation. The data from the four quarterly files (representing the number of events in each quarter) are summed to produce the annual estimate. Although these data are collected for only 2 weeks for each person included in the survey, any unusual event during a particular 2-week period does not bias the estimate, because the quarterly

NOTE: A list of references follows the text.

estimate is a sum of the estimate produced for each week's sample during the entire quarter and the annual estimate is the sum of those for the four quarters.

For prevalence statistics, such as the number of persons limited in activity due to chronic conditions, the annual estimate results from summing the weighted quarterly files and dividing by 4. This division is necessary because, as noted above, each quarterly file has been weighted to produce an estimate of the number of persons in the U.S. population having a given characteristic. Summing the four quarters and dividing by 4 in effect averages these quarterly results for the year. Thus, the type of prevalence estimate ordinarily derived from NHIS data is an annual average prevalence estimate.

For data related to short-stay hospital discharges that are based on a 6-month reference period, cases identified during any quarter of data collection are multiplied by 2 to produce a quarterly estimate of the annual number of characteristics associated with short-stay hospital discharges. The NHIS average annual estimate of hospital discharges is derived by summing the four quarterly estimates and dividing by 4, just as the prevalence estimates are.

Reliability of the estimates

Because NHIS estimates are based on a sample, they may differ somewhat from the figures that would have been obtained had a complete census been taken using the same survey and processing procedures. Two types of errors are possible in an estimate based on a sample survey: sampling and nonsampling errors. To the extent possible, these types of errors are kept to a minimum by methods built into the survey procedures described earlier (NCHS, 1973). Although it is very difficult to measure the extent of bias in NHIS, a number of studies of this problem have been conducted. The results have been published in several reports (NCHS, 1965a and b, 1967, 1968).

Nonsampling errors

Interviewing process. Such information as the number of days of restricted activity caused by a 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. However, there are limitations to the accuracy of diagnostic and other information collected in household interviews. For diagnostic information, for example, 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. Further, a respondent may answer a question in other than the intended manner because he or she has not properly understood the question, has forgotten the event, does not know, or does not

wish to divulge the answer. Regardless of the type of measure, all NHIS data are estimates of known reported morbidity, disability, and so forth.

Reference period bias. NHIS estimates do not represent a complete measure of any given topic during the specified calendar period, because data are not collected in the interview for persons who died or were institutionalized during the reference period. For many types of statistics collected in the survey, the reference period is 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 (such as 1 year) might be significant, especially for older persons.

Underreporting associated with a long reference period is most germane to data on hospitalization. Analysis has shown that there is an increase in underreporting of hospitalizations with an increase in the time interval between discharge and interview. Exclusive of the hospital experience of decedents, the net underreporting using a 12-month recall period is in the neighborhood of 10 percent (NCHS, 1965c). The underreporting of discharges within 6 months before the week of interview, however, is estimated to be only about 5 percent (NCHS, 1965c). For this reason, hospital discharge data are based on hospital discharges reported to have occurred within those 6 months.

Because hospitalization is common in the period immediately preceding death or institutionalization, and because older persons are much more likely to die than are younger ones, these data should not be used to estimate the volume of hospitalization of the elderly—although they can be used to measure characteristics of elderly people.

It should further be noted that, although the reported frequencies and rates related to hospital episodes are presented by the year in which the data were collected, the estimates are, in most cases, based on hospitalizations that occurred during the year of data collection and the prior year. Overall, approximately one-half of the reported hospitalizations for the 12-month reference period occurred in the year prior to the year of data collection.

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

Rounding of numbers. In published tables, the figures are rounded to the nearest thousand, although they are not necessarily accurate to that detail. Derived statistics, such

NOTE: A list of references follows the text.

as rates and percent distributions, were computed after the estimates on which they are based were rounded to the nearest thousand.

Combining data years. To reduce sampling error, some data for a number of years may have been combined. However, in so doing, the questionnaire for each of the years should be checked, because even a small change in questionnaire design may lead to large changes in the derived estimates. This caution also applies to using NHIS data on health measures when changes in other events, such as legislative changes, have occurred over time.

Sampling errors

The standard error is primarily a measure of sampling error, that is, the variations that occur by chance because only a sample of the population is surveyed. The chances are about 68 out of 100 that an estimate from the sample would differ from data on a complete census 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.

Individual standard errors were not computed for each estimate in this report. Instead, standard errors were computed for a broad spectrum of estimates. Regression techniques were then applied to produce equations from which a standard error for any estimate can be approximated. The regression equations, represented by parameters *a* and *b*,

Table II. Estimated standard error parameters for the 1986 National Health Interview Survey

Parameter set	Characteristic	Estimated parameters	
		<i>a</i>	<i>b</i>
I	Population estimates for demographic, socioeconomic, and health characteristics	0.00014385	7,460.9
II	Age-sex-race population, based on combined poststratification cells from table I	0.0	0.0
III	Number of dental visits, based on a 2-week reference period	0.00016103	209,204.0

NOTE: The 1986 NHIS was based on a half sample. Therefore, only 23,838 households were actually interviewed, resulting in a sample of 62,052 persons. This reduction is reflected in the estimated parameters.

are presented in table II. Rules explaining their use are presented below.

This procedure will, however, give an approximate standard error of an estimate, rather than the precise standard error. Particular care should be exercised when the denominator is small.

General rules for determining standard errors

To produce an approximate standard error for NHIS estimates, first determine the type of characteristics to be estimated—that is, which parameter set in table I to use. Then determine the type of estimate for which the standard

error is needed. The type of estimate corresponds to one of five general rules for determining standard errors:

Rule 1. *Estimated number of people or events*—For the estimated numbers of people or events published in this report, there are two cases to consider. For the first case, if the estimated number is any combination of the poststratification age-sex-race cells in table I, then its value has been adjusted to official U.S. Bureau of the Census figures and its standard error is assumed to be 0.0. This corresponds to parameter set II in table II. As an example, this would be the case for the number of persons in the U.S. target population of the number of black persons aged 18–44 years. Although the race class “white” is not specifically adjusted to Census Bureau figures, it dominates the poststratification “all other” race class; consequently, age-sex-“all other” race combinations in table I can be treated as age-sex-white combinations for the purpose of approximating standard errors.

For the second case, the standard errors for all other estimates of numbers of people or events, such as the number of people limited in activity or the number of dental visits, are approximated using the parameters provided in table II and formula (1) below.

If the aggregate *x* for a characteristic has associated parameters *a* and *b*, then the approximate standard error for *x*, *SE(x)*, can be computed by the formula

$$SE(x) = \sqrt{ax^2 + bx}. \quad (1)$$

Rule 2. *For rates, proportions, and percents for which the denominator is generated by the poststratification age-sex-race classes (table I)*—In this case, the denominator has no sampling error. For example, rule 2 would apply to the estimated number of dental visits per person for black persons age 65 years and over, because the denominator is a combination of the poststratification cells. Approximate standard errors for such estimates can be computed using parameters *a* and *b* associated with the numerator characteristics, along with formula (2) below.

If the estimate of rate, proportion, or percent *p* is the ratio of two estimated numbers, $p = x/Y$ (where *p* may be inflated by 100 for percents or by 1,000 for rates per 1,000 persons), with *Y* having no sampling error, then the approximate standard error for *p* is given by the formula

$$SE(p) = p \sqrt{a + \frac{b}{x}} \quad (2)$$

In this report, the value of the denominator *Y* is always provided, but in a few cases the numerator value *x* is not published. For these

cases the value of x may be computed by the formula

$$x = pY \quad \text{if } p \text{ is a proportion or rate per unit, or}$$

$$x = \frac{pY}{100} \quad \text{if } p \text{ is a percent or rate per 100 units, or}$$

$$x = \frac{pY}{1,000} \quad \text{if } p \text{ is a rate per 1,000 units.}$$

- Rule 3. *Proportions and percents when the denominator is not generated by the poststratification age-sex-race classes*—If p represents an estimated percent, b is the parameter from table II associated with the numerator characteristics, and y is the number of persons in the denominator upon which p is based, then the standard error of p may be approximated by

$$SE(p) = \sqrt{\frac{bp(100-p)}{y}} \quad (3)$$

(If p is a proportion, the above formula can be used with 100 replaced by 1.0.)

- Rule 4. *Rates when the denominator is not generated by the poststratification age-sex-race classes*—If the estimated rate p is expressed as the ratio of two estimates, $p = x/y$ (inflated by 100 or 1,000, when appropriate), then the estimated standard error for p is given by the formula

$$SE(p) = p \sqrt{\frac{SE(x)^2}{x^2} + \frac{SE(y)^2}{y^2} - 2r \frac{SE(x)}{x} \frac{SE(y)}{y}} \quad (4)$$

where $SE(x)$ and $SE(y)$ are computed using rule 1 and x and y are obtained from the table. No estimates of r , the correlation between the numerator and denominator, are presented in this report; therefore, only the first two terms are available. Assume that $r = 0.0$. Assuming $r = 0.0$ will yield an overestimate of the standard error if r is actually positive and an underestimate if r is negative.

- Rule 5. *Difference between two statistics (mean, rate, total, and proportion)*—If x_1 and x_2 are two estimates, the standard error of the difference ($x_1 - x_2$) can be computed as follows:

$$SE(x_1 - x_2) = \sqrt{SE(x_1)^2 + SE(x_2)^2 - 2rSE(x_1)SE(x_2)}$$

where $SE(x_1)$ and $SE(x_2)$ are computed using rules 1–4, as appropriate, and r is the correlation coefficient between x_1 and x_2 .

Assuming $r = 0.0$ will result in an accurate standard error if the two estimates are actually uncorrelated. It will result in an overestimate of the standard error if the correlation is positive or an underestimate if the correlation is negative.

Relative standard errors

Prior to 1985, relative standard error (RSE) curves were presented in Current Estimates (Series 10, *Vital and Health Statistics*) for approximating relative standard error. For readers who wish to continue using them, the following provides guidance. The relative standard error (RSE) of an estimate is obtained by dividing the standard error (SE) of the estimate by the estimate x itself. This quantity is expressed as a percent of the estimate:

$$RSE = 100 \frac{SE(x)}{x}$$

Adjustment of rates

This report includes data that have been adjusted by the direct method to the age distribution of the standard population. The standard population used is the 1986 civilian noninstitutionalized population of the United States. The standard age categories used are as follows:

Age category	Standard population in thousands (both sexes)
All 2+	229,032
2-4	10,861
5-11	23,503
12-17	21,454
18-44	100,980
22-44	86,347
35-44	32,548
45-64	44,698
65+	27,538

Age adjustment by the direct method is accomplished by multiplying the age-specific rate for each age group by the population for the corresponding age group in the standard population. The cross-products of the multiplications are then summed and divided by the total of the standard population to obtain the adjusted rate.

Appendix II

Definitions of certain terms used in this report

Terms relating to dental health

Dental visit—A dental visit is defined as any visit to a dentist's office for treatment or advice, including services by a technician or hygienist acting under a dentist's supervision. Dental services given on a mass basis, such as screening examinations given to a group of children at school, are excluded.

Interval since last dental visit—The interval since the last dental visit is the length of time prior to the week of interview since a dentist or dental hygienist was last visited for treatment or advice of any type.

Fluoride mouthrinse—Any substance containing fluoride that is used as a mouthrinse. Commercial mouthrinse preparations containing fluoride, as well as fluoride powder, that is dissolved in water and used as a mouthrinse are included. Topical fluoride treatments provided in a dentist's office are excluded.

Fluoride supplements—Includes fluoride drops, fluoride tablets, vitamin drops with fluoride, vitamin tablets with fluoride, and any other fluoride supplement that is swallowed. Topical fluoride treatments provided in a dentist's office are excluded.

Fluoride toothpaste—A toothpaste or gel that contains fluoride.

Dental sealants—Plastic coatings that are painted on the chewing surfaces of teeth to prevent decay (usually provided for children and youth). Sealants are placed in the grooves and crevices of teeth by a dentist, dental hygienist, or dental assistant.

Dental insurance—Any insurance plan specifically designed to pay all or part of the dental expenses of the insured individual, except oral surgery. The insurance can be either a group or an individual policy, with the premiums paid by the individual, the employer, a third party, or a combination of these. Benefits can be received under the plan in the form of payment to the individual or to the dentist. However, the plan must be a formal one, with defined membership and benefits, rather than an informal one. For example, an employer's simply paying a dental bill for an employee would not constitute a health insurance plan.

For the National Health Interview Survey, health insurance excludes the following kinds of plans: plans limited to the "dread diseases," such as cancer and polio; free care, such as public assistance, public welfare, Medicaid, care given free of charge to veterans, care given under the

Uniformed Services Dependents Medical Care Program, care given under the Crippled Children Program or similar programs, and care of persons admitted to a hospital for research purposes; insurance that pays bills only for accidents, such as liability insurance held by a car or property owner, insurance that covers children for accidents at school or camp, and insurance for workers that covers them only for accidents, injuries, or diseases incurred on the job; and insurance that pays only for loss of income.

Terms relating to disability

Limitation of activity because of chronic conditions—Limitation of activity refers to a long-term reduction in a person's capacity to perform the average kind or amount of activities associated with his or her age group. Persons are classified in terms of the major activity usually associated with their particular age group. The major activities for the age groups are: ordinary play, for children under 5 years of age; attending school, for those 5–17 years of age; working or keeping house, for persons 18–69 years of age; and capacity for independent living (the ability to bathe, shop, dress, eat, and so forth, without needing the help of another person) for those 70 years of age and over. People aged 18–69 years who are classified as keeping house are also classified by their ability to work at a job or business. (In this report, the major activity of persons 65–69 years is assumed to be working or keeping house; however, questions were also asked about the capacity for independent living in this age group, which would permit an alternative definition of "limitation.")

In regard to these activities, each person is classified into one of four categories: (1) unable to perform major activity, (2) able to perform a major activity but limited in the kind or amount of this activity, (3) not limited in major activity but limited in the kind or amount of other activities, and (4) not limited in any way. In regard to these four categories, NHIS publications often classify persons only by whether they are limited (groups 1–3) or not limited (group 4). A person is not classified as limited in activity unless one or more chronic conditions are reported as the cause of the activity limitation. When more than one condition is reported, the respondent is asked to identify the condition that is the major cause of the limitation.

Assessed health status—The categories related to this concept result from asking the respondent, "Would you

say _____'s health is excellent, very good, good, fair, or poor?" As such, they are based on a respondent's opinion and not directly on any clinical evidence.

Demographic terms

Age—The age recorded for each person is the age at last birthday. Age is recorded in single years and grouped in a variety of distributions, depending on the purpose of the table.

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:

<i>Region</i>	<i>States included</i>
Northeast	Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania
Midwest	Ohio, Illinois, Indiana, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Kansas, Nebraska
South	Delaware, Maryland, District of Columbia, West Virginia, Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Missouri, Louisiana, Oklahoma, Arkansas, Texas
West	Washington, Oregon, California, Nevada, New Mexico, Arizona, Idaho, Utah, Colorado, Montana, Wyoming, Alaska, Hawaii

Place of residence—The place of residence of a member of the civilian noninstitutionalized population is classified as inside or outside a metropolitan statistical area (MSA). Residence inside an MSA is further classified as either central city or not central city.

Metropolitan statistical area—The definition and titles of MSA's are established by the U.S. Office of Management and Budget with the advice of the Federal Committee on Metropolitan Statistical Areas. Generally speaking, an MSA consists of a county or group of counties containing at least one city (or twin cities) having a population of 50,000 or more plus adjacent counties that are metropolitan in character and are economically and socially integrated with the central city. Towns and cities, rather than counties, are the units used in defining MSA's in New England. There is no limit to the number of adjacent counties included in an MSA, as long as they are integrated with the central city, nor is an MSA limited to a single State; boundaries may cross State lines. The metropolitan population in this report is based on MSA's as defined in the 1980 census and does not include any subsequent additions or changes.

Central city of an MSA—The largest city in an MSA is always its central city. One or two additional cities may be secondary central cities in the MSA, on the basis of either of the following criteria: The additional city or cities must have a population one-third or more of that of the largest city, with a minimum population of 25,000, or the additional city or cities must have at least 250,000 inhabitants.

Not the central city of an MSA—This includes all of the MSA that is not part of the central city itself.

Not in an MSA—This includes all other places in the country.

Hispanic—Persons are Hispanic if any of the following describes their national origin or ancestry—Puerto Rican, Cuban, Mexican, Mexicano, Mexican-American, Chicano, other Latin American, other Spanish. Respondents make this determination by looking at a flashcard containing the above-listed Hispanic groups and deciding whether one of them describes their national origin or ancestry. The Hispanic population includes all Hispanic people, regardless of race.

Non-Hispanic—For this report, persons not classified as Hispanic are non-Hispanic. This includes persons whose Hispanic status is unknown.

Income of family or of unrelated individuals—Each member of a family is classified according to the total income of the family. 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 incomes.

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—for example, wages, salaries, rents from property, pensions, government payments, and help from relatives—is included.

Education—The categories of education 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.

Race—The population is divided into three racial groups: "white," "black," and "all other." "All other" includes Aleut, Eskimo or American Indian, Asian, or Pacific Islander, and any other races. Race characterization is based on the respondent's description of his or her racial background.

Poverty—Families and unrelated individuals are classified as being above or below the poverty level, using the poverty index that originated at the Social Security Administration in 1964 and was revised by Federal Interagency Communities in 1969 and 1980. The poverty index is based solely on money income and does not reflect the fact that many low-income persons receive noncash benefits such as food stamps, Medicaid, and public housing. The index is

based on the Department of Agriculture's 1961 economy food plan and reflects the varying consumption requirements of families based on their size and composition. The poverty thresholds are updated every year to reflect changes in the Consumer Price Index. Because NHIS data on family income are collected by income categories rather

than specific amounts of money, NHIS estimates of the number of persons living in poverty will vary slightly from Current Population Survey estimates. The 1986 poverty index is based on the 1985 poverty levels in the August 1986 Current Population Survey.

Appendix III Questionnaire

Section O. DENTAL HEALTH		RT 58 3-4
<p>Now I'm going to ask you some questions about WATER FLUORIDATION.</p> <p>1. As you understand it, what is the purpose of adding FLUORIDE to the public drinking water?</p> <p><i>Do not read answer categories, circle the ONE that best fits respondent's answer.</i></p> <p>1. Prevent tooth decay, protect teeth, or related response 8. Other (Specify) 9. Don't know</p>		<p>PERSON 1</p> <p>5-6</p> <p>1 8 9 7</p> <p>_____ (Specify)</p>
<p>2a. Does the water that you drink at home come from a public water system or is it from another source, such as a well?</p> <p>1 <input type="checkbox"/> Public water system 8 <input type="checkbox"/> Other source 9 <input type="checkbox"/> DK</p>		7
<p>b. Does this drinking water have FLUORIDE in it?</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 9 <input type="checkbox"/> DK</p>		8
<p>HAND CALENDAR. These next questions are about receiving dental care.</p> <p>3a. During the 2 weeks (outlined in red on that calendar), beginning Monday (date) and ending this past Sunday (date), did anyone in the family go to a dentist? Include all types of dentists, such as orthodontists, oral surgeons, and all other dental specialists, as well as dental hygienists.</p> <p style="text-align: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No (4)</p>		
<p>b. Who was this? Mark "Dental visit" box in person's column.</p>		9
<p>c. During those 2 weeks, did anyone else in the family go to a dentist?</p> <p style="text-align: right;"><input type="checkbox"/> Yes (Reask 3b and c) <input type="checkbox"/> No</p>		
<p>Ask for each person with "Dental visit" in 3b:</p> <p>d. During those 2 weeks, how many times did -- go to a dentist?</p> <p>_____ Number of times</p>		10-11
<p>Mark box if under two years old.</p> <p>4a. During the past 12 months (that is, since (12-month date) a year ago), how many visits did -- make to a dentist? (Include the (Number in 3d) visit(s) you already told me about.)</p> <p>Mark "2-week dental visit" box in person's column if visit(s) reported in 3d.</p>		12-14
<p>b. How long has it been since -- LAST went to a dentist?</p> <p>1 <input type="checkbox"/> Past 2 weeks not reported (Mark 3b, ask 3d) 2 <input type="checkbox"/> 2-week dental visit 3 <input type="checkbox"/> Over 2 weeks, less than 6 months 4 <input type="checkbox"/> 6 months, less than 1 year 5 <input type="checkbox"/> 1 year, less than 2 years 6 <input type="checkbox"/> 2 years, less than 5 years 7 <input type="checkbox"/> 5 years or more 8 <input type="checkbox"/> Never</p>		15
01	Refer to 4b.	16
<p>{Some people go to the dentist because they think they have a problem; other people go to the dentist for a check-up or to have their teeth cleaned. Sometimes when people go for a check-up the dentist discovers a problem that needs to be treated.}</p> <p>5. What was the MAIN REASON -- last went to the dentist?</p> <p><i>Do not read answer categories, circle the ONE main reason.</i></p> <p>1. Went in on own for check-up, examination or cleaning. 2. Was called in by the dentist for check-up, examination or cleaning. 3. Something was wrong, bothering or hurting -- . 4. Went for treatment of a condition that dentist discovered at earlier check-up or examination. 8. Other (Specify) 9. Don't know</p>		17-18
<p>FOOTNOTES</p>		

Section O. DENTAL HEALTH, Continued		PERSON 1	
<p>6a. Is there anyone in the family who has lost ALL of his or her natural teeth? <input type="checkbox"/> Yes <input type="checkbox"/> No (7)</p> <p>b. Who is this? Mark "Lost all teeth" box in person's column.</p> <p>c. Anyone else? <input type="checkbox"/> Yes (Reask 6b and c) <input type="checkbox"/> No</p>		6b.	<p>1 <input type="checkbox"/> Lost all teeth 19</p>
02	Refer to 6b for all family members.	02	<p>1 <input type="checkbox"/> "Lost all teeth" marked in 6b for all family members (Section P)</p> <p>8 <input type="checkbox"/> Other (7) 20</p>
<p>Do not ask for persons with "Lost all teeth" in 6b.</p> <p>7a. {Now I am going to ask about some things that people may be doing to take care of their teeth.} What does -- use when -- brushes -- teeth -- toothpaste, tooth powder, or something else?</p>		7a.	<p>1 <input type="checkbox"/> Toothpaste (7b) 21</p> <p>8 <input type="checkbox"/> Other <input checked="" type="checkbox"/> 7</p> <p style="text-align: right;">(NP)</p> <p style="text-align: center;">(Specify)</p>
<p>b. What brand did -- use most often during the past two weeks? Do not read answer categories, circle ONE brand.</p> <p>1. Crest 4. Dentagard 8. Other (Specify)</p> <p>2. Crest Tartar Control 5. Aquafresh 9. Don't know</p> <p>3. Colgate 6. Aim</p>		b.	<p>1 2 3 4 5 6 8 9 22-23</p> <p style="text-align: center;">7</p> <p style="text-align: center;">(Specify)</p>
<p>Some MOUTHRINSES contain FLUORIDE to reduce tooth decay. Others do not. ACT, Fluorigard, Listermint with Fluoride, StanCare and some prescription brands are example of mouthrinses that contain FLUORIDE.</p> <p>8a. Does anyone in the family now use a FLUORIDE mouthrinse at home? <input type="checkbox"/> Yes <input type="checkbox"/> No (03) <input type="checkbox"/> DK (03)</p> <p>b. Who is this? Mark "Fluoride mouthrinse" box in person's column.</p> <p>c. Anyone else? <input type="checkbox"/> Yes (Reask 8b and c) <input type="checkbox"/> No</p> <p>Ask for each person with "Fluoride mouthrinse" in 8b:</p> <p>d. What brand did -- use most often during the past 2 weeks? Do not read answer categories, circle ONE brand.</p> <p>1. { ACT 2. Prescription fluoride rinse Fluorigard 8. Other (Specify) Listermint with Fluoride 9. Don't know StanCare</p>		8b.	<p>1 <input type="checkbox"/> Fluoride mouthrinse 24</p>
		d.	<p>1 2 8 9 25-26</p> <p style="text-align: center;">7</p> <p style="text-align: center;">(Specify)</p>
03	Refer to age.	03	<p>1 <input type="checkbox"/> Under 17 (9) 27</p> <p>2 <input type="checkbox"/> 17 and over (NP)</p>
<p>{Some schools have fluoride MOUTHRINSE programs.}</p> <p>9. Does -- now take part in a fluoride MOUTHRINSE program at school?</p>		9.	<p>1 <input type="checkbox"/> Yes 28</p> <p>2 <input type="checkbox"/> No</p> <p>8 <input type="checkbox"/> DK</p>
<p>Sometimes doctors or dentists prescribe or provide pills or drops with fluoride in them. Sometimes these are given at school.</p> <p>10a. Does anyone in the family now take vitamins with FLUORIDE in them or any other kind of FLUORIDE drops, pills, or tablets, either at home or at school? <input type="checkbox"/> Yes <input type="checkbox"/> No (11) <input type="checkbox"/> DK (11)</p> <p>b. Who is this? Mark "Fluoride Supplements" box in person's column.</p> <p>c. Anyone else? <input type="checkbox"/> Yes (Reask 10b and c) <input type="checkbox"/> No</p>		10b.	<p>1 <input type="checkbox"/> Fluoride supplements 29</p>
<p>11a. Dental SEALANTS are special plastic coatings that are painted on the tops of the back teeth to prevent tooth decay. They are put on by a dentist or a dental hygienist. They are DIFFERENT from fillings, caps, crowns and fluoride treatments. Has anyone in the family had dental SEALANTS placed on their teeth? <input type="checkbox"/> Yes <input type="checkbox"/> No (Section P) <input type="checkbox"/> DK (Section P)</p> <p>b. Who is this? Mark "Dental sealants" box in person's column.</p> <p>c. Anyone else? <input type="checkbox"/> Yes (Reask 11b and c) <input type="checkbox"/> No</p>		11b.	<p>1 <input type="checkbox"/> Dental sealants 30</p>
FOOTNOTES			

Section M. HEALTH INSURANCE										RT 63
										3-4
4a. We are interested in all kinds of health insurance plans except those which pay only for accidents. (Not counting Medicare) Is anyone in the family now covered by a health insurance plan which pays any part of a hospital, doctor's, surgeon's or dentist's bill? <input type="checkbox"/> Yes <input type="checkbox"/> No (M1) <input type="checkbox"/> DK (M1)										9
b. What is the name of the plan? Record in Table H.I.										
c. Is anyone in the family now covered by any other health insurance plan which pays any part of a hospital, doctor's, surgeon's or dentist's bill? <input type="checkbox"/> Yes (Reask 4b and c) <input type="checkbox"/> No										
TABLE H.I.										
PLAN 1 NAME										10
5a. Is this (name) plan a Health Maintenance Organization or HMO? b. Was this plan obtained through an employer or union? c. Is it now carried through an employer or union?	Yes	No	DK	<input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13	6a. Does this (name) plan pay any part of hospital expenses? b. Does this plan pay any part of doctor's or surgeon's bills for operations? c. Does it pay for any DENTAL services other than oral surgery?	Yes	No	DK	<input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16	7. Is --- covered under this (name) plan? <input type="checkbox"/> 1 Covered ... <input type="checkbox"/> 2 Not covered <input type="checkbox"/> 3 DK } (NP)
	1	2	9			1	2	9		
	1	2 (6a)	9 (6a)			1	2	9		

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HUMAN SERVICES
Public Health Service
Centers for Disease Control
National Center for Health Statistics
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Hyattsville, Maryland 20782

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