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Oral Health Status and Access to Oral Health Care for U.S. Adults Aged 18–64: National Health Interview Survey, 2008



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

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Data From the National Health
Interview Survey

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

Hyattsville, Maryland
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National Center for Health Statistics

Edward J. Sondik, Ph.D., *Director*

Jennifer H. Madans, Ph.D., *Associate Director for Science*

Division of Health Interview Statistics

Jane F. Gentleman, Ph.D., *Director*

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Objectives

This report presents statistics from the 2008 National Health Interview Survey (NHIS) on selected measures of oral health status and oral health care access for adults aged 18–64. Estimates are presented by sex, age, race and ethnicity, nativity, education, poverty status, health and dental insurance status, region, place of residence, dentition status, current smoking status, current drinking status, and diabetes status.

Data Source

NHIS is a multistage probability sample survey conducted annually by interviewers of the U.S. Census Bureau for the Centers for Disease Control and Prevention's National Center for Health Statistics, and is representative of the civilian noninstitutionalized population of the United States. Data are collected for all family members during face-to-face interviews with adults present at the time of interview. Additional health information is obtained from one randomly selected adult. If the selected adult is physically or mentally incapable of responding for himself or herself, a proxy respondent is used.

Selected Highlights

Among adults aged 18–64, about three-quarters had very good or good oral health, 17% had fair oral health, and 7% had poor oral health. Adults with Medicaid were almost five times as likely as adults with private health insurance to have poor oral health. Adults with Medicaid (21%) were almost twice as likely as adults overall (12%) to not have had a dental visit in more than 5 years. Among adults aged 18–64, the main reason to forgo a dental visit for an oral health problem in the past 6 months was cost; 42% could not afford treatment or did not have insurance. Fear was the reason that 1 out of 10 adults did not visit the dentist for an oral health problem.

Keywords: dental care • dental problem • dental visit • unmet dental need

Oral Health Status and Access to Oral Health Care for U.S. Adults Aged 18–64: National Health Interview Survey, 2008

by Barbara Bloom, M.P.A.; Catherine M. Simile, Ph.D.; Patricia F. Adams; and Robin A. Cohen, Ph.D., Division of Health Interview Statistics

Introduction

In 2000, the U.S. Surgeon General issued a report (1) calling attention to the “silent epidemic” of dental and oral diseases suffered by millions of children and adults throughout the United States. The report emphasized the importance of oral health to overall health and noted that lifestyle behaviors that affect general health such as tobacco use, excessive alcohol use, and poor dietary choices also affect oral and craniofacial health. It observed that safe and effective measures do exist to prevent the most common dental diseases, dental caries and periodontal diseases, but it also underscored the disparities in oral health and access to oral health care within the U.S. population. The Surgeon General's report (1) and subsequent initiatives (2–4) emphasized the need for more information about the status of the U.S. population's oral health and the ability to access oral health care.

Based on the recommendations of the Surgeon General's report (1) and the *National Call to Action to Promote Oral Health* (2), the National Institute of Dental and Craniofacial Research (NIDCR) at the National Institutes of Health (NIH) sponsored a set of supplementary questions about oral health on the 2008 National Health Interview Survey (NHIS) (5). The purpose of the collaboration was twofold: 1) to develop and expand oral health outcome measures; and 2) to produce estimates for the U.S.

population as a whole, and for racial and ethnic minorities, rural populations, the young, the elderly, and other subpopulations that could be used to study the impact of the initiatives to improve oral health.

This report uses data from the oral health supplement of the 2008 NHIS to provide prevalence estimates of oral health status; oral health status compared with others the same age; length of time since last dental visit; mouth problems, including bad breath, dry mouth, difficulty eating or chewing, jaw pain, and mouth sores; tooth problems, including toothache or sensitive teeth, stained or discolored teeth, broken or missing teeth, crooked teeth, bleeding gums, broken or missing fillings, and loose teeth not due to injury; reasons for not seeing a dentist for mouth or tooth problems; and unmet dental need due to cost for adults aged 18–64 living in households throughout the United States. [Tables 1–7](#) are presented for various subgroups of the population, including those defined by sex, age, race and ethnicity, nativity, education, poverty status, health and dental insurance status, region, place of residence, dentition status, current smoking status, current drinking status, and diabetes status. [Appendix I](#) contains brief technical notes including information about the number of unknowns with respect to each health characteristic and the treatment of unknown values, and [Appendix II](#) contains the definitions of terms used in this report.

Methods

Data Source

NHIS data are collected continuously throughout the year for the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS), by interviewers from the U.S. Census Bureau. NHIS collects information about a broad range of health topics for the civilian noninstitutionalized U.S. population. Interviews are conducted in respondents' homes, but followups to complete interviews may be conducted over the telephone. The Family component collects information about all family members from one responsible family member of the age of majority for a given state. The Sample Adult component collects additional data from one randomly selected adult (the "sample adult"). Self-response is required in the Sample Adult interview unless the designated respondent is physically or mentally incapable of responding for him- or herself, in which case a proxy may respond. If a child is present in the family, the Sample Child component collects additional data on one randomly selected child (the "sample child"). A knowledgeable adult in the family provides information about the sample child.

In addition, the 2008 NHIS included a set of supplementary oral health questions, cosponsored by NIDCR, which were added to the Sample Adult core. Estimates contained in this report are based on data collected in the 2008 Family core and the Sample Adult core. The report presents data on adults aged 18–64, the sample size for which is 17,337. For further information about NHIS, including the questionnaire, visit the NHIS website at <http://www.cdc.gov/nchs/nhis.htm>.

Data Limitations

In this report, oral health is defined as health of the mouth and teeth. Oral health status is based on the sample adult's self-assessment of the condition of his or her mouth and teeth. No

clinical measurements were taken; therefore, an individual's oral health status may differ from the evaluation of oral health status by a dental health professional. Respondents also may experience recall problems or have different cultural definitions of illness or health, either of which could result in inaccurate responses. Furthermore, as with all surveys, respondents may simply underreport characteristics or conditions that they consider undesirable. Thus, it is likely that some of the prevalence estimates presented in this report are conservative. Some underestimates due to item nonresponse and unknowns, which are excluded from the tables, may also exist.

Although many of the sociodemographic and health characteristics examined are likely to be correlated, this report is limited to highlighting the sociodemographic variations for each oral health status and oral health care access characteristic separately.

Some oral health problems may be associated with age. While the tables show estimates by various age groups, the prevalence estimates presented in the tables are not age adjusted in order to provide a measure of oral health burden. In addition, note that data presented in [Tables 1–3, 5, and 6](#) were based on questions asked of dentate and edentulous persons, so both were included in these tables. Data presented in [Tables 4 and 7](#) were based on questions asked only of dentate persons, so only dentate persons were included in these tables. Lastly, data presented in [Table 6](#) were based on a question asked only of adults who indicated that they had a mouth or tooth problem as detailed in [Tables 4 and 5](#).

Variance Estimation and Significance Testing

Estimates and associated standard errors shown in [Tables 1–7](#) were generated using SUDAAN, a software package designed to handle complex sample designs such as that used by NHIS (6). Estimates were weighted to represent the U.S. civilian noninstitutionalized population.

Estimates with a relative standard error greater than 30% and less than or equal to 50% are identified with an asterisk preceding the estimate. Readers should exercise caution when interpreting these statistics. Estimates with a relative standard error more than 50% are indicated with a dagger and are not shown.

Statistical tests performed to assess significance of differences between estimates were two-tailed *t* tests at the 0.05 level with no adjustments for multiple comparisons. Terms such as "greater than" and "less than" indicate a statistically significant difference. Terms such as "similar" or "no difference" indicate that the statistics being compared were not significantly different. Lack of comment regarding the difference between any two statistics does not mean that the difference was tested and found to be not significant.

Selected Highlights

Oral Health Status (Table 1)

- Among adults aged 18–64, about three-quarters had very good or good oral health, 17% had fair oral health, and 7% had poor oral health.
- Non-Hispanic white (37%) and non-Hispanic Asian (37%) adults were more likely than Hispanic (25%) or non-Hispanic black (26%) adults to have very good oral health.
- Adults with Medicaid (19%) were almost five times as likely as adults with private health insurance (4%) to have poor oral health.

Comparative Oral Health Status (Table 2)

- Level of education was positively associated with having better comparative oral health status; 20% of adults aged 18–64 with less than a high school diploma compared with 39% of adults with a bachelor's degree or higher had better oral health status than others the same age.

- Adults with diabetes (29%) were almost twice as likely as adults without diabetes (16%) to have worse oral health status than others the same age.
- Adults in poor families (28%) were more than twice as likely as adults in families that were not poor (13%) to have worse oral health status than others the same age.

Time Since Last Dental Visit (Table 3)

- Overall, 6 out of 10 adults aged 18–64 last visited a dentist or other dental health professional within the past year.
- Adults with Medicaid (21%) were almost twice as likely as adults overall (12%) to not have had a dental visit in more than 5 years.
- Diabetic adults (19%) were almost twice as likely as nondiabetic adults (11%) to not have had a dental visit in more than 5 years.

Problems With Mouth in Past 6 Months (Table 4)

- Non-Hispanic Asian adults aged 18–64 experienced fewer mouth problems than Hispanic, non-Hispanic white, or non-Hispanic black adults, including problems with bad breath, dry mouth, difficulty eating or chewing, or jaw pain.
- Former drinkers were about twice as likely as lifetime abstainers and one and one-half times as likely as current drinkers to have experienced bad breath, dry mouth, or difficulty eating or chewing.
- Edentulous adults (17%) were almost twice as likely as dentate adults (9%) to have had dry mouth.

Problems With Teeth in Past 6 Months for Dentate Adults (Table 5)

- Non-Hispanic Asian adults aged 18–64 were less likely than Hispanic, non-Hispanic white, or non-Hispanic black adults to have a

variety of problems with their teeth, including stained or discolored teeth, broken or missing teeth, crooked teeth, bleeding gums, broken or missing fillings, or loose teeth not due to injury.

- Adults with Medicaid were more likely than uninsured adults to experience toothache or sensitive teeth, stained or discolored teeth, broken or missing teeth, broken or missing fillings, or loose teeth not due to injury.
- In general, lifetime abstainers from alcohol were less likely to have had problems with their teeth than current or former drinkers.

Reasons That Adults With an Oral Health Problem Did Not Visit a Dentist for Their Problem in Past 6 Months (Table 6)

- Among adults aged 18–64, the main reason to forgo a dental visit for an oral health problem in the past 6 months was cost; 42% could not afford treatment or did not have insurance.
- Adults with a bachelor's degree or higher (33%) were almost twice as likely as those with less than a high school diploma (18%) to forgo a dental visit for a problem because they thought it was not important.
- Fear was the reason that 1 out of 10 adults did not visit the dentist for an oral health problem.

Unmet Dental Need Due to Cost in Past 12 Months for Dentate Adults With and Without Oral Health Problems (Table 7)

- Overall, 16% of dentate adults aged 18–64 had an unmet dental need due to cost in the past 12 months.
- Among dentate adults with one or more mouth or teeth problems, more than one-half of those who were uninsured had unmet dental need due to cost. One-third of those with Medicaid had unmet dental need

compared with almost one-quarter of those with private health insurance but no dental coverage, and more than one-tenth of those with private health insurance with dental coverage.

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Table 1. Percent distributions of oral health status among adults aged 18–64, by selected demographic and health characteristics: United States, 2008

Selected characteristic	Oral health status ¹				
	Total	Very good	Good	Fair	Poor
Percent distribution ² (standard error)					
Total ³	100.0	33.8 (0.53)	41.7 (0.50)	17.3 (0.38)	7.1 (0.27)
Sex					
Male	100.0	31.6 (0.71)	43.3 (0.72)	18.2 (0.56)	6.9 (0.37)
Female	100.0	36.0 (0.69)	40.2 (0.65)	16.5 (0.47)	7.3 (0.36)
Age in years					
18–34	100.0	37.5 (0.84)	41.5 (0.84)	16.2 (0.63)	4.9 (0.36)
35–44	100.0	32.5 (0.94)	43.1 (0.94)	16.9 (0.73)	7.5 (0.56)
45–54	100.0	32.3 (0.94)	40.7 (0.93)	18.1 (0.75)	9.0 (0.56)
55–64	100.0	30.0 (0.97)	41.9 (1.03)	19.2 (0.82)	8.9 (0.58)
Race/ethnicity ⁴					
Hispanic or Latino	100.0	25.2 (1.03)	44.4 (1.12)	23.2 (0.98)	7.2 (0.59)
Non-Hispanic					
White, single race	100.0	36.9 (0.67)	40.4 (0.64)	15.5 (0.47)	7.1 (0.35)
Black, single race	100.0	26.3 (1.11)	44.3 (1.34)	21.1 (1.04)	8.3 (0.62)
Asian, single race	100.0	36.5 (1.93)	44.9 (1.84)	14.5 (1.20)	4.2 (0.71)
Nativity ⁵					
U.S. born	100.0	34.7 (0.58)	41.1 (0.56)	16.9 (0.42)	7.4 (0.30)
Foreign born	100.0	29.6 (1.05)	45.0 (1.10)	19.5 (0.87)	5.9 (0.50)
Education ⁶					
Less than a high school diploma	100.0	17.1 (1.15)	39.1 (1.27)	28.7 (1.25)	15.1 (0.98)
High school diploma or GED ⁷	100.0	23.6 (0.88)	42.8 (1.00)	22.0 (0.86)	11.5 (0.64)
Some college	100.0	32.6 (0.84)	42.0 (0.91)	18.0 (0.68)	7.3 (0.47)
Bachelor's degree or higher	100.0	46.1 (0.92)	41.9 (0.91)	9.8 (0.52)	2.1 (0.27)
Poverty status ⁸					
Poor	100.0	24.0 (1.35)	36.7 (1.20)	24.6 (1.16)	14.7 (0.95)
Near poor	100.0	23.0 (1.10)	41.2 (1.14)	23.5 (0.98)	12.3 (0.81)
Not poor	100.0	38.1 (0.61)	42.7 (0.62)	14.6 (0.42)	4.6 (0.25)
Health and dental insurance status ⁹					
Private health insurance	100.0	39.5 (0.60)	42.7 (0.63)	14.0 (0.43)	3.8 (0.24)
Dental coverage from single-service plan only	100.0	40.2 (1.11)	42.5 (1.11)	13.5 (0.84)	3.8 (0.41)
Dental coverage from comprehensive plan only	100.0	40.5 (1.03)	41.9 (1.02)	13.7 (0.73)	3.9 (0.44)
Dental coverage from both single-service and comprehensive plans	100.0	37.9 (1.57)	46.9 (1.64)	11.7 (0.99)	3.5 (0.59)
No dental insurance	100.0	37.9 (1.10)	41.6 (1.14)	16.4 (0.93)	4.0 (0.47)
Medicaid ¹⁰	100.0	19.5 (1.34)	36.6 (1.52)	25.3 (1.33)	18.7 (1.26)
Other coverage	100.0	25.0 (1.97)	39.6 (2.14)	21.7 (1.88)	13.7 (1.43)
Uninsured	100.0	22.1 (1.00)	40.8 (1.05)	24.8 (0.92)	12.3 (0.73)
Region					
Northeast	100.0	34.7 (1.27)	42.5 (1.27)	16.2 (0.93)	6.5 (0.58)
Midwest	100.0	35.0 (1.31)	42.2 (1.13)	16.1 (0.80)	6.7 (0.58)
South	100.0	32.8 (0.79)	41.0 (0.75)	18.3 (0.66)	7.9 (0.45)
West	100.0	33.6 (0.97)	41.8 (1.02)	17.8 (0.72)	6.9 (0.54)
Place of residence					
Urban	100.0	34.5 (0.57)	41.9 (0.54)	16.8 (0.41)	6.8 (0.29)
Rural	100.0	31.2 (1.24)	41.2 (1.16)	19.3 (0.92)	8.4 (0.57)
Dentition status					
Edentulous ¹¹	100.0	28.5 (2.07)	47.7 (2.22)	14.7 (1.48)	9.1 (1.21)
Dentate	100.0	34.1 (0.53)	41.4 (0.50)	17.4 (0.39)	7.0 (0.27)

See footnotes at end of table.

Table 1. Percent distributions of oral health status among adults aged 18–64, by selected demographic and health characteristics: United States, 2008—Con.

Selected characteristic	Oral health status ¹				
	Total	Very good	Good	Fair	Poor
Current smoking status ¹²		Percent distribution ² (standard error)			
Current smoker	100.0	21.2 (0.88)	38.6 (0.98)	24.7 (0.87)	15.5 (0.74)
Former smoker	100.0	33.3 (1.06)	41.2 (1.09)	17.9 (0.79)	7.7 (0.59)
Never smoker	100.0	38.9 (0.64)	43.0 (0.62)	14.3 (0.43)	3.7 (0.23)
Current drinking status ¹³					
Lifetime abstainer	100.0	36.4 (1.10)	41.7 (1.11)	15.7 (0.75)	6.2 (0.52)
Former drinker	100.0	23.0 (1.16)	42.6 (1.37)	21.9 (1.07)	12.6 (0.87)
Current light or infrequent drinker	100.0	35.1 (0.73)	41.8 (0.69)	17.0 (0.55)	6.1 (0.35)
Current moderate or heavier drinker	100.0	34.9 (1.00)	40.9 (1.06)	17.0 (0.79)	7.2 (0.57)
Diabetes status ¹⁴					
Yes	100.0	18.9 (1.50)	40.5 (1.88)	25.9 (1.61)	14.7 (1.33)
No	100.0	34.8 (0.53)	41.8 (0.52)	16.7 (0.39)	6.6 (0.26)

¹Based on the question: "How would you describe the condition of your mouth and teeth? Would you say very good, good, fair or poor?"

²Unknowns for the columns were not included in the denominators when calculating percentages. Percentages may not add to totals due to rounding.

³Includes other races and Hispanic origin not shown separately and persons with unknown nativity, education, health and dental insurance status, dentition status, current smoking status, current drinking status, and diabetes status.

⁴Persons of Hispanic or Latino origin may be of any race or combination of races. Non-Hispanic or Latino persons of a single race other than groups shown or of multiple races are not shown separately due to small sample sizes.

⁵"U.S. born" is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. "Foreign born" is defined as persons living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

⁶Shown only for persons aged 25 and over.

⁷GED is General Educational Development high school equivalency diploma.

⁸Based on family income and family size using the U.S. Census Bureau's poverty thresholds for the previous calendar year. "Poor" persons are defined as below the poverty threshold. "Near poor" persons have incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons have incomes that are 200% of the poverty threshold or greater. Because of the different income questions used in 2007 and beyond, poverty ratio estimates may not be comparable with those from earlier years.

⁹Classification of health insurance coverage is based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. The category "private health insurance" includes adults who had any type of private coverage either alone or in combination with dental insurance coverage. The category "private health insurance" also includes persons who may have either "Medicaid" or "other coverage." An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government sponsored health plan, or military plan at the time of the interview. An adult was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care. A small percentage of persons covered by "Medicaid" or "other coverage" or who were uninsured may also have a single-service dental plan. See Appendix II for a more complete description of the health insurance coverage hierarchy and types of dental insurance coverage.

¹⁰Includes adults covered by CHIP or other state-sponsored health plans.

¹¹Refers to persons who have lost all of their upper and lower natural teeth.

¹²A current smoker smoked at least 100 cigarettes in lifetime and currently smoked; a former smoker smoked at least 100 cigarettes in lifetime but not currently smoking; a never smoker never smoked at all or smoked less than 100 cigarettes in lifetime.

¹³A lifetime abstainer had less than 12 drinks in lifetime; former drinker had at least 12 drinks in lifetime, but none in the past year; current light drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and 3 drinks or fewer per week on average; infrequent drinker had at least 12 drinks in lifetime and 1–11 drinks in past year; current moderate or heavier drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and drank more than 3 drinks per week, on average.

¹⁴Female respondents were instructed to exclude pregnancy-related diabetes. Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes.

NOTE: Estimates are based on household interviews of a sample of the resident civilian noninstitutionalized population.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008.

Table 2. Percent distributions of comparative oral health status among adults aged 18–64, by selected demographic and health characteristics: United States, 2008

Selected characteristic	Comparative oral health status ¹			
	Total	Better than others the same age	Same as others the same age	Not as good as others the same age
Percent distribution ² (standard error)				
Total ³	100.0	29.9 (0.47)	53.5 (0.51)	16.5 (0.39)
Sex				
Male	100.0	29.2 (0.68)	54.4 (0.73)	16.4 (0.55)
Female	100.0	30.7 (0.58)	52.7 (0.65)	16.6 (0.51)
Age in years				
18–34	100.0	28.1 (0.78)	57.0 (0.84)	14.9 (0.59)
35–44	100.0	28.3 (0.92)	54.8 (0.99)	16.9 (0.74)
45–54	100.0	30.6 (0.90)	50.9 (1.02)	18.5 (0.79)
55–64	100.0	35.1 (1.04)	48.0 (1.13)	16.9 (0.84)
Race/ethnicity ⁴				
Hispanic or Latino	100.0	25.9 (1.07)	57.1 (1.17)	16.9 (0.91)
Non-Hispanic	100.0			
White, single race	100.0	30.8 (0.59)	52.5 (0.65)	16.6 (0.51)
Black, single race	100.0	30.4 (1.13)	52.2 (1.20)	17.4 (0.91)
Asian, single race	100.0	28.7 (1.83)	58.5 (1.82)	12.8 (1.19)
Nativity ⁵				
U.S. born	100.0	30.3 (0.52)	52.8 (0.56)	16.9 (0.44)
Foreign born	100.0	27.9 (0.97)	57.4 (1.08)	14.7 (0.79)
Education ⁶				
Less than a high school diploma	100.0	19.5 (1.10)	51.4 (1.40)	29.0 (1.31)
High school diploma or GED ⁷	100.0	25.5 (0.90)	51.6 (1.00)	22.9 (0.94)
Some college	100.0	30.2 (0.85)	52.9 (0.98)	16.9 (0.66)
Bachelor's degree or higher	100.0	38.5 (0.93)	53.1 (0.96)	8.4 (0.50)
Poverty status ⁸				
Poor	100.0	21.9 (1.09)	50.5 (1.30)	27.7 (1.19)
Near poor	100.0	22.6 (0.96)	53.5 (1.15)	23.9 (1.05)
Not poor	100.0	33.0 (0.58)	54.1 (0.61)	12.9 (0.40)
Health and dental insurance status ⁹				
Private health insurance	100.0	33.7 (0.59)	54.4 (0.63)	11.8 (0.39)
Dental coverage from single-service plan only	100.0	35.3 (1.19)	52.8 (1.22)	11.9 (0.73)
Dental coverage from comprehensive plan only	100.0	33.5 (1.02)	55.1 (1.06)	11.4 (0.67)
Dental coverage from both single-service and comprehensive plans	100.0	34.4 (1.47)	54.3 (1.61)	11.3 (1.03)
No dental insurance	100.0	31.8 (1.05)	55.3 (1.17)	12.9 (0.86)
Medicaid ¹⁰	100.0	20.3 (1.30)	46.5 (1.59)	33.2 (1.53)
Other coverage	100.0	27.2 (1.95)	47.2 (2.22)	25.6 (1.91)
Uninsured	100.0	21.3 (0.85)	54.4 (1.06)	24.3 (0.92)
Region				
Northeast	100.0	27.2 (1.15)	57.0 (1.23)	15.8 (0.86)
Midwest	100.0	31.7 (1.11)	53.2 (1.16)	15.1 (0.74)
South	100.0	30.6 (0.70)	51.5 (0.74)	17.9 (0.69)
West	100.0	29.1 (0.94)	54.6 (1.07)	16.2 (0.81)
Place of residence				
Urban	100.0	30.2 (0.53)	53.8 (0.57)	16.0 (0.43)
Rural	100.0	28.8 (0.99)	52.4 (1.05)	18.7 (0.89)
Dentition status				
Edentulous ¹¹	100.0	20.0 (1.80)	52.1 (2.12)	27.9 (1.95)
Dentate	100.0	30.5 (0.49)	53.6 (0.52)	15.9 (0.39)

See footnotes at end of table.

Table 2. Percent distributions of comparative oral health status among adults aged 18–64, by selected demographic and health characteristics: United States, 2008—Con.

Selected characteristic	Comparative oral health status ¹			
	Total	Better than others the same age	Same as others the same age	Not as good as others the same age
Current smoking status ¹²		Percent distribution ² (standard error)		
Current smoker	100.0	20.8 (0.81)	48.3 (1.04)	30.9 (0.99)
Former smoker	100.0	32.6 (1.01)	50.4 (1.08)	17.0 (0.85)
Never smoker	100.0	32.7 (0.59)	56.4 (0.63)	10.9 (0.38)
Current drinking status ¹³				
Lifetime abstainer.	100.0	27.1 (0.94)	58.9 (1.08)	14.0 (0.74)
Former drinker	100.0	25.3 (1.14)	51.0 (1.36)	23.7 (1.14)
Current light or infrequent drinker	100.0	31.4 (0.67)	52.8 (0.70)	15.8 (0.53)
Current moderate or heavier drinker	100.0	32.4 (1.01)	51.1 (1.07)	16.6 (0.81)
Diabetes status ¹⁴				
Yes	100.0	24.3 (1.52)	47.1 (1.76)	28.6 (1.68)
No	100.0	30.3 (0.48)	54.0 (0.52)	15.7 (0.39)

¹Based on the question: "Would you say the condition of your mouth and teeth is better than, the same as or not as good as other people your age?"

²Unknowns for the columns were not included in the denominators when calculating percentages. Percentages may not add to total due to rounding.

³Includes other races and Hispanic origin not shown separately and persons with unknown nativity, education, health and dental insurance status, dentition status, current smoking status, current drinking status, and diabetes status.

⁴Persons of Hispanic or Latino origin may be of any race or combination of races. Non-Hispanic or Latino persons of a single race other than groups shown or of multiple races are not shown separately due to small sample sizes.

⁵"U.S. born" is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. "Foreign born" is defined as persons living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

⁶Shown only for persons aged 25 and over.

⁷GED is General Educational Development high school equivalency diploma.

⁸Based on family income and family size using the U.S. Census Bureau's poverty thresholds for the previous calendar year. "Poor" persons are defined as below the poverty threshold. "Near poor" persons have incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons have incomes that are 200% of the poverty threshold or greater. Because of the different income questions used in 2007 and beyond, poverty ratio estimates may not be comparable with those from earlier years.

⁹Classification of health insurance coverage is based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. The category "private health insurance" includes adults who had any type of private coverage either alone or in combination with dental insurance coverage. The category "private health insurance" also includes persons who may have either "Medicaid" or "other coverage." An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government sponsored health plan, or military plan at the time of the interview. An adult was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care. A small percentage of persons covered by "Medicaid" or "other coverage" or who were uninsured may also have a single-service dental plan. See Appendix II for a more complete description of the health insurance coverage hierarchy and types of dental insurance coverage.

¹⁰Includes adults covered by CHIP or other state-sponsored health plans.

¹¹Refers to persons who have lost all of their upper and lower natural teeth.

¹²A current smoker smoked at least 100 cigarettes in lifetime and currently smoked; a former smoker smoked at least 100 cigarettes in lifetime but not currently smoking; a never smoker never smoked at all or smoked less than 100 cigarettes in lifetime.

¹³A lifetime abstainer had less than 12 drinks in lifetime; former drinker had at least 12 drinks in lifetime, but none in the past year; current light drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and 3 drinks or fewer per week on average; infrequent drinker had at least 12 drinks in lifetime and 1–11 drinks in past year; current moderate or heavier drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and drank more than 3 drinks per week, on average.

¹⁴Female respondents were instructed to exclude pregnancy-related diabetes. Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes.

NOTE: Estimates are based on household interviews of a sample of the resident civilian noninstitutionalized population.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008.

Table 3. Percent distributions of length of time since last visit with a dentist or other dental health professional among adults aged 18–64, by selected demographic and health characteristics: United States, 2008

Selected characteristic	Length of time since last visit ¹						
	Total	6 months or less	More than 6 months, but not more than 1 year ago	More than 1 year, but not more than 2 years ago	More than 2 years, but not more than 5 years ago	More than 5 years, excluding "Never"	Never
Percent distribution ² (standard error)							
Total ³	100.0	42.4 (0.53)	18.0 (0.38)	13.7 (0.33)	12.8 (0.34)	11.7 (0.34)	1.4 (0.12)
Sex							
Male	100.0	38.9 (0.72)	17.5 (0.57)	15.1 (0.50)	13.3 (0.49)	13.6 (0.50)	1.6 (0.17)
Female	100.0	45.9 (0.68)	18.5 (0.49)	12.4 (0.41)	12.2 (0.42)	9.9 (0.40)	1.1 (0.15)
Age in years							
18–34	100.0	35.6 (0.81)	20.2 (0.68)	16.6 (0.59)	14.6 (0.58)	10.7 (0.50)	2.2 (0.25)
35–44	100.0	42.7 (0.99)	18.6 (0.79)	13.3 (0.63)	12.3 (0.59)	11.9 (0.67)	1.3 (0.19)
45–54	100.0	48.0 (1.01)	16.2 (0.69)	11.4 (0.60)	12.0 (0.65)	11.8 (0.64)	0.6 (0.14)
55–64	100.0	49.0 (1.04)	15.1 (0.72)	11.2 (0.68)	10.5 (0.66)	13.5 (0.69)	0.7 (0.20)
Race/ethnicity ⁴							
Hispanic or Latino	100.0	28.2 (1.07)	17.5 (0.87)	17.1 (0.96)	16.0 (0.82)	16.8 (0.86)	4.5 (0.53)
Non-Hispanic	100.0	47.8 (0.68)	17.4 (0.47)	12.3 (0.39)	11.3 (0.41)	10.7 (0.42)	0.6 (0.10)
White, single race	100.0	47.8 (0.68)	17.4 (0.47)	12.3 (0.39)	11.3 (0.41)	10.7 (0.42)	0.6 (0.10)
Black, single race	100.0	31.5 (1.19)	21.3 (1.00)	16.2 (0.91)	17.2 (0.98)	12.2 (0.78)	1.6 (0.31)
Asian, single race	100.0	40.8 (1.88)	19.8 (1.47)	14.9 (1.34)	12.7 (1.27)	9.5 (1.16)	2.3 (0.48)
Nativity ⁵							
U.S. born	100.0	44.3 (0.59)	17.9 (0.41)	13.4 (0.35)	12.3 (0.37)	11.4 (0.37)	0.6 (0.08)
Foreign born	100.0	33.2 (1.07)	18.5 (0.83)	15.2 (0.87)	14.9 (0.78)	13.1 (0.73)	5.1 (0.52)
Education ⁶							
Less than a high school diploma	100.0	23.5 (1.21)	14.3 (0.97)	14.6 (1.04)	18.8 (1.09)	24.9 (1.23)	4.0 (0.54)
High school diploma or GED ⁷	100.0	35.3 (0.97)	15.8 (0.70)	14.5 (0.66)	15.6 (0.74)	17.8 (0.78)	1.0 (0.18)
Some college	100.0	43.6 (0.91)	19.7 (0.74)	14.0 (0.62)	12.1 (0.60)	10.0 (0.51)	0.6 (0.14)
Bachelor's degree or higher	100.0	59.5 (0.87)	18.2 (0.68)	10.2 (0.52)	7.3 (0.45)	4.3 (0.37)	0.5 (0.12)
Poverty status ⁸							
Poor	100.0	25.4 (1.34)	15.9 (0.99)	15.7 (1.00)	17.0 (1.00)	22.5 (1.20)	3.5 (0.52)
Near poor	100.0	25.7 (1.06)	15.2 (0.81)	16.7 (0.81)	19.5 (0.96)	20.3 (0.99)	2.6 (0.40)
Not poor	100.0	49.3 (0.62)	19.0 (0.46)	12.7 (0.38)	10.5 (0.37)	7.9 (0.31)	0.7 (0.10)
Health and dental insurance status ⁹							
Private health insurance	100.0	51.3 (0.62)	19.6 (0.47)	12.3 (0.38)	9.6 (0.35)	6.6 (0.28)	0.5 (0.08)
Dental coverage from single-service plan only	100.0	60.4 (1.06)	18.1 (0.82)	10.4 (0.66)	6.5 (0.53)	4.3 (0.47)	*0.2 (0.07)
Dental coverage from comprehensive plan only	100.0	51.2 (1.03)	20.3 (0.79)	12.6 (0.65)	9.1 (0.59)	6.2 (0.53)	0.7 (0.17)
Dental coverage from both single-service and comprehensive plans	100.0	53.1 (1.57)	20.1 (1.29)	11.4 (1.02)	9.1 (0.88)	6.0 (0.72)	*0.3 (0.16)
No dental insurance	100.0	41.8 (1.18)	20.5 (0.97)	14.2 (0.76)	13.5 (0.85)	9.3 (0.68)	0.7 (0.18)
Medicaid ¹⁰	100.0	30.3 (1.55)	15.4 (1.08)	14.6 (1.09)	17.3 (1.16)	20.8 (1.33)	1.5 (0.34)
Other coverage	100.0	37.3 (2.13)	15.6 (1.55)	16.0 (1.63)	13.4 (1.50)	17.3 (1.67)	†
Uninsured	100.0	17.9 (0.84)	13.9 (0.69)	18.0 (0.91)	21.5 (0.94)	24.4 (1.00)	4.5 (0.47)
Region							
Northeast	100.0	48.7 (1.37)	19.6 (0.99)	10.7 (0.75)	10.7 (0.83)	9.2 (0.73)	1.1 (0.21)
Midwest	100.0	45.4 (1.09)	17.9 (0.85)	14.0 (0.64)	10.9 (0.62)	11.2 (0.79)	0.6 (0.11)
South	100.0	37.7 (0.84)	17.5 (0.58)	14.1 (0.58)	15.2 (0.61)	13.7 (0.56)	1.7 (0.20)
West	100.0	42.1 (1.05)	17.7 (0.72)	14.9 (0.67)	12.5 (0.63)	10.9 (0.61)	2.0 (0.34)
Place of residence							
Urban	100.0	42.7 (0.59)	18.2 (0.42)	14.0 (0.37)	12.7 (0.36)	10.9 (0.34)	1.5 (0.13)
Rural	100.0	41.2 (1.21)	17.4 (0.85)	12.7 (0.67)	13.1 (0.77)	14.8 (0.95)	1.0 (0.26)

See footnotes at end of table.

Table 3. Percent distributions of length of time since last visit with a dentist or other dental health professional among adults aged 18–64, by selected demographic and health characteristics: United States, 2008—Con.

Selected characteristic	Total	Length of time since last visit ¹					Never
		6 months or less	More than 6 months, but not more than 1 year ago	More than 1 year, but not more than 2 years ago	More than 2 years, but not more than 5 years ago	More than 5 years, excluding "Never"	
Dentition status		Percent distribution ² (standard error)					
Edentulous ¹¹	100.0	24.8 (1.85)	12.0 (1.34)	11.9 (1.32)	16.7 (1.48)	32.9 (1.98)	1.6 (0.42)
Dentate	100.0	43.4 (0.54)	18.3 (0.39)	13.8 (0.34)	12.6 (0.34)	10.6 (0.32)	1.4 (0.12)
Current smoking status ¹²							
Current smoker	100.0	32.9 (0.93)	15.8 (0.72)	14.1 (0.66)	16.9 (0.77)	19.3 (0.80)	1.1 (0.18)
Former smoker	100.0	47.6 (1.11)	16.6 (0.80)	13.2 (0.73)	11.3 (0.70)	10.8 (0.69)	0.6 (0.16)
Never smoker	100.0	44.6 (0.67)	19.3 (0.52)	13.8 (0.43)	11.6 (0.39)	9.1 (0.35)	1.7 (0.17)
Current drinking status ¹³							
Lifetime abstainer	100.0	36.0 (1.10)	19.3 (0.84)	15.4 (0.83)	13.9 (0.79)	11.9 (0.67)	3.5 (0.42)
Former drinker	100.0	36.3 (1.33)	15.1 (0.94)	14.7 (0.90)	15.1 (0.95)	18.2 (1.03)	*0.6 (0.21)
Current light or infrequent drinker	100.0	45.8 (0.72)	18.9 (0.53)	13.1 (0.49)	11.8 (0.46)	9.6 (0.43)	0.8 (0.11)
Current moderate or heavier drinker	100.0	44.7 (1.06)	16.6 (0.78)	12.9 (0.68)	12.3 (0.68)	12.4 (0.74)	1.0 (0.20)
Diabetes status ¹⁴							
Yes	100.0	40.0 (1.81)	12.9 (1.24)	12.7 (1.20)	14.7 (1.34)	18.8 (1.29)	*1.0 (0.38)
No	100.0	42.6 (0.54)	18.3 (0.38)	13.8 (0.34)	12.6 (0.34)	11.2 (0.34)	1.4 (0.12)

* Estimate has a relative standard error of greater than 30% and less than or equal to 50% and should be used with caution as it does not meet standards of reliability or precision.

† Estimate has a relative standard error greater than 50% and is not shown.

¹Based on the question: "About how long has it been since you last saw a dentist? Include all types of dentists, such as orthodontists, oral surgeons, and all other dental specialists, as well as dental hygienists."

²Unknowns for the columns were not included in the denominators when calculating percentages. Percentages may not add to totals due to rounding.

³Includes other races and Hispanic origin not shown separately and persons with unknown nativity, education, health and dental insurance status, dentition status, current smoking status, current drinking status, and diabetes status.

⁴Persons of Hispanic or Latino origin may be of any race or combination of races. Non-Hispanic or Latino persons of a single race other than groups shown or of multiple races are not shown separately due to small sample sizes.

⁵"U.S. born" is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. "Foreign born" is defined as people living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

⁶Shown only for persons aged 25 and over.

⁷GED is General Educational Development high school equivalency diploma.

⁸Based on family income and family size using the U.S. Census Bureau's poverty thresholds for the previous calendar year. "Poor" persons are defined as below the poverty threshold. "Near poor" persons have incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons have incomes that are 200% of the poverty threshold or greater. Because of the different income questions used in 2007 and beyond, poverty ratio estimates may not be comparable with those from earlier years.

⁹Classification of health insurance coverage is based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. The category "private health insurance" includes adults who had any type of private coverage either alone or in combination with dental insurance coverage. The category "private health insurance" also includes persons who may have either "Medicaid" or "other coverage." An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government sponsored health plan, or military plan at the time of the interview. An adult was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care. A small percentage of persons covered by "Medicaid" or "other coverage" or who were uninsured may also have a single-service dental plan. See Appendix II for a more complete description of the health insurance coverage hierarchy and types of dental insurance coverage.

¹⁰Includes adults covered by CHIP or other state-sponsored health plans.

¹¹Refers to persons who have lost all of their upper and lower natural teeth.

¹²A current smoker smoked at least 100 cigarettes in lifetime and currently smoked; a former smoker smoked at least 100 cigarettes in lifetime but not currently smoking; a never smoker never smoked at all or smoked less than 100 cigarettes in lifetime.

¹³A lifetime abstainer had less than 12 drinks in lifetime; former drinker had at least 12 drinks in lifetime, but none in the past year; current light drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and 3 drinks or fewer per week on average; infrequent drinker had at least 12 drinks in lifetime and 1–11 drinks in past year; current moderate or heavier drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and drank more than 3 drinks per week, on average.

¹⁴Female respondents were instructed to exclude pregnancy-related diabetes. Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes.

NOTE: Estimates are based on household interviews of a sample of the resident civilian noninstitutionalized population.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008.

Table 4. Percentages of adults aged 18–64 who had problems with mouth in the past 6 months, by selected demographic and health characteristics: United States, 2008

Selected characteristic	Problem with mouth ¹				
	Bad breath	Dry mouth	Difficulty eating or chewing	Jaw pain	Mouth sores
	Percent ² (standard error)				
Total ³	9.8 (0.31)	9.7 (0.29)	8.0 (0.27)	7.2 (0.26)	5.4 (0.23)
Sex					
Male	10.4 (0.44)	8.4 (0.39)	7.5 (0.37)	5.6 (0.33)	5.1 (0.31)
Female	9.2 (0.38)	11.0 (0.41)	8.5 (0.36)	8.7 (0.39)	5.7 (0.31)
Age in years					
18–34	8.4 (0.49)	7.2 (0.42)	7.0 (0.42)	8.1 (0.47)	6.1 (0.41)
35–44	10.6 (0.62)	8.8 (0.55)	8.0 (0.57)	6.5 (0.47)	4.6 (0.41)
45–54	10.6 (0.61)	11.8 (0.63)	8.9 (0.56)	7.0 (0.53)	5.9 (0.47)
55–64	10.6 (0.64)	13.3 (0.71)	9.1 (0.59)	6.4 (0.51)	4.4 (0.42)
Race/ethnicity ⁴					
Hispanic or Latino	9.7 (0.68)	9.1 (0.63)	7.7 (0.59)	6.1 (0.56)	4.8 (0.48)
Non-Hispanic					
White, single race	10.5 (0.41)	10.2 (0.37)	8.1 (0.34)	7.8 (0.35)	6.0 (0.30)
Black, single race	7.9 (0.57)	9.1 (0.68)	8.4 (0.68)	6.2 (0.60)	2.4 (0.39)
Asian, single race	5.7 (0.87)	5.9 (0.97)	5.3 (0.88)	3.8 (0.81)	6.3 (0.93)
Nativity ⁵					
U.S. born	10.3 (0.35)	10.2 (0.33)	8.3 (0.30)	7.7 (0.30)	5.6 (0.26)
Foreign born	7.0 (0.53)	7.1 (0.53)	6.5 (0.55)	4.5 (0.47)	4.5 (0.44)
Education ⁶					
Less than a high school diploma	15.1 (0.98)	16.0 (1.03)	13.8 (0.90)	8.7 (0.76)	6.0 (0.67)
High school diploma or GED ⁷	12.0 (0.63)	11.8 (0.62)	9.5 (0.56)	7.3 (0.53)	4.3 (0.42)
Some college	9.9 (0.56)	10.9 (0.59)	8.9 (0.53)	8.1 (0.49)	5.8 (0.45)
Bachelor's degree or higher	6.7 (0.43)	6.3 (0.44)	4.6 (0.38)	5.3 (0.41)	5.0 (0.39)
Poverty status ⁸					
Poor	13.8 (0.95)	16.4 (0.96)	14.6 (0.93)	11.5 (0.84)	7.1 (0.65)
Near poor	13.3 (0.80)	13.1 (0.77)	11.6 (0.70)	9.1 (0.72)	5.7 (0.54)
Not poor	8.3 (0.34)	7.8 (0.31)	6.0 (0.29)	6.0 (0.29)	5.0 (0.28)
Health and dental insurance status ⁹					
Private health insurance	8.0 (0.34)	7.5 (0.31)	5.6 (0.28)	6.0 (0.29)	5.0 (0.29)
Dental coverage from single-service plan only	8.5 (0.63)	7.6 (0.58)	6.2 (0.52)	7.7 (0.66)	5.4 (0.52)
Dental coverage from comprehensive plan only	6.6 (0.50)	7.0 (0.54)	5.2 (0.52)	5.2 (0.48)	4.3 (0.45)
Dental coverage from both single-service and comprehensive plans	8.8 (0.91)	7.4 (0.76)	5.4 (0.67)	5.0 (0.61)	4.9 (0.69)
No dental insurance	8.6 (0.68)	7.9 (0.59)	5.8 (0.53)	5.6 (0.57)	5.4 (0.60)
Medicaid ¹⁰	15.8 (1.19)	19.2 (1.27)	16.9 (1.12)	10.7 (1.00)	6.0 (0.74)
Other coverage	15.9 (1.66)	20.4 (1.75)	16.8 (1.70)	11.4 (1.53)	6.1 (1.13)
Uninsured	12.2 (0.72)	11.4 (0.64)	10.9 (0.62)	9.0 (0.66)	6.3 (0.53)
Region					
Northeast	8.9 (0.65)	9.1 (0.63)	7.7 (0.66)	6.6 (0.59)	5.6 (0.69)
Midwest	9.8 (0.65)	9.3 (0.62)	7.8 (0.57)	7.3 (0.58)	5.1 (0.48)
South	9.7 (0.53)	9.5 (0.48)	7.8 (0.41)	7.4 (0.45)	5.2 (0.36)
West	10.5 (0.63)	11.0 (0.59)	8.8 (0.60)	7.2 (0.51)	5.8 (0.46)
Place of residence					
Urban	9.3 (0.33)	9.6 (0.31)	7.8 (0.29)	7.0 (0.28)	5.4 (0.25)
Rural	11.5 (0.79)	10.2 (0.65)	9.0 (0.62)	7.8 (0.63)	5.6 (0.57)

See footnotes at end of table.

Table 4. Percentages of adults aged 18–64 who had problems with mouth in the past 6 months, by selected demographic and health characteristics: United States, 2008—Con.

Selected characteristic	Problem with mouth ¹				
	Bad breath	Dry mouth	Difficulty eating or chewing	Jaw pain	Mouth sores
Dentition status	Percent ² (standard error)				
Edentulous ¹¹	9.5 (1.31)	17.2 (1.55)	12.8 (1.38)	8.1 (1.21)	8.7 (1.53)
Dentate	9.8 (0.32)	9.3 (0.29)	7.8 (0.27)	7.1 (0.27)	5.2 (0.22)
Current smoking status ¹²					
Current smoker	15.0 (0.73)	15.5 (0.70)	14.0 (0.66)	10.4 (0.59)	5.7 (0.52)
Former smoker	10.0 (0.68)	10.9 (0.68)	8.3 (0.60)	7.8 (0.60)	5.5 (0.47)
Never smoker	7.7 (0.34)	7.2 (0.31)	5.6 (0.31)	5.8 (0.33)	5.3 (0.30)
Current drinking status ¹³					
Lifetime abstainer	6.7 (0.50)	7.3 (0.55)	6.9 (0.54)	6.1 (0.54)	5.0 (0.55)
Former drinker	13.9 (0.94)	17.1 (0.99)	12.9 (0.89)	9.1 (0.80)	6.5 (0.70)
Current light or infrequent drinker	9.8 (0.45)	9.4 (0.41)	7.5 (0.40)	7.5 (0.39)	5.4 (0.31)
Current moderate or heavier drinker	10.5 (0.64)	8.8 (0.60)	7.7 (0.56)	6.7 (0.50)	5.4 (0.48)
Diabetes status ¹⁴					
Yes	14.9 (1.28)	24.0 (1.65)	14.0 (1.24)	8.9 (1.03)	7.6 (1.00)
No	9.4 (0.32)	8.8 (0.29)	7.6 (0.27)	7.1 (0.27)	5.3 (0.24)

¹Based on the questions: "DURING THE PAST 6 MONTHS, have you had any of the following problems that lasted more than a day? . . . Pain in your jaw joint, . . . Sores in your mouth, . . . Difficulty eating or chewing, . . . Bad breath, . . . Dry mouth."

²Unknowns for the columns were not included in the denominators when calculating percentages.

³Includes other races and Hispanic origin not shown separately and persons with unknown nativity, education, health and dental insurance status, dentition status, current smoking status, current drinking status, and diabetes status.

⁴Persons of Hispanic or Latino origin may be of any race or combination of races. Non-Hispanic or Latino persons of a single race other than groups shown or of multiple race are not shown separately due to small sample sizes.

⁵"U.S. born" is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. "Foreign born" is defined as persons living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

⁶Shown only for persons aged 25 and over.

⁷GED is General Educational Development high school equivalency diploma.

⁸Poverty status is based on family income and family size using the U.S. Census Bureau's poverty thresholds for the previous calendar year. "Poor" persons are defined as below the poverty threshold. "Near poor" persons have incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons have incomes that are 200% of the poverty threshold or greater. Because of the different income questions used in 2007 and beyond, poverty ratio estimates may not be comparable with those from earlier years.

⁹Classification of health insurance coverage is based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. The category "private health insurance" includes adults who had any type of private coverage either alone or in combination with dental insurance coverage. The category "private health insurance" also includes persons who may have either "Medicaid" or "other coverage." An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government sponsored health plan, or military plan at the time of the interview. An adult was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care. A small percentage of persons covered by "Medicaid" or "other coverage" or who were uninsured may also have a single-service dental plan. See Appendix II for a more complete description of the health insurance coverage hierarchy and types of dental insurance coverage.

¹⁰Includes adults covered by CHIP or other state-sponsored health plans.

¹¹Refers to persons who have lost all of their upper and lower natural teeth.

¹²A current smoker smoked at least 100 cigarettes in lifetime and currently smoked; a former smoker smoked at least 100 cigarettes in lifetime but not currently smoking; a never smoker never smoked at all or smoked less than 100 cigarettes in lifetime.

¹³A lifetime abstainer had less than 12 drinks in lifetime; former drinker had at least 12 drinks in lifetime, but none in the past year; current light drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and 3 drinks or fewer per week on average; infrequent drinker had at least 12 drinks in lifetime and 1–11 drinks in past year; current moderate or heavier drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and drank more than 3 drinks per week, on average.

¹⁴Female respondents were instructed to exclude pregnancy-related diabetes. Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes.

NOTE: Estimates are based on household interviews of a sample of the resident civilian noninstitutionalized population.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008.

Table 5. Percentages of dentate adults aged 18–64 who had problems with teeth in the past 6 months, by selected demographic and health characteristics: United States, 2008

Selected characteristic	Problem with teeth ¹						
	Toothache or sensitive teeth	Stained or discolored teeth	Broken or missing teeth	Crooked teeth	Bleeding gums	Broken or missing fillings	Loose teeth not due to injury
	Percent ² (standard error)						
Total ³	26.2 (0.45)	20.5 (0.45)	16.9 (0.40)	13.6 (0.35)	12.1 (0.34)	11.8 (0.32)	4.0 (0.19)
Sex							
Male	23.9 (0.65)	20.2 (0.61)	17.6 (0.60)	13.7 (0.50)	11.2 (0.47)	11.9 (0.47)	4.1 (0.28)
Female	28.4 (0.62)	20.8 (0.59)	16.2 (0.52)	13.6 (0.46)	12.9 (0.46)	11.8 (0.42)	3.9 (0.27)
Age in years							
18–34	27.4 (0.79)	16.9 (0.65)	12.3 (0.57)	13.7 (0.60)	13.4 (0.58)	9.1 (0.48)	2.2 (0.23)
35–44	26.7 (0.87)	21.0 (0.83)	16.5 (0.77)	13.4 (0.67)	12.5 (0.65)	13.3 (0.70)	4.1 (0.45)
45–54	26.0 (0.89)	24.8 (0.90)	21.2 (0.85)	14.1 (0.72)	11.5 (0.67)	14.2 (0.68)	5.6 (0.46)
55–64	22.9 (0.93)	21.9 (0.89)	21.8 (0.88)	13.1 (0.74)	9.3 (0.63)	12.8 (0.70)	5.7 (0.48)
Race/ethnicity ⁴							
Hispanic or Latino	22.0 (0.95)	15.9 (0.87)	16.0 (0.80)	13.3 (0.77)	14.1 (0.81)	10.6 (0.69)	4.5 (0.53)
Non-Hispanic							
White, single race	27.6 (0.59)	23.1 (0.57)	17.1 (0.51)	14.4 (0.45)	11.6 (0.42)	12.4 (0.42)	3.9 (0.25)
Black, single race	26.2 (1.11)	15.4 (0.92)	19.7 (1.05)	11.8 (0.83)	12.9 (0.92)	12.4 (0.77)	4.5 (0.47)
Asian, single race	20.0 (1.52)	11.8 (1.23)	9.7 (1.16)	8.9 (1.09)	9.4 (1.00)	6.9 (0.79)	2.5 (0.49)
Nativity ⁵							
U.S. born	27.3 (0.51)	22.2 (0.50)	17.6 (0.45)	14.5 (0.40)	12.0 (0.38)	12.4 (0.36)	4.1 (0.21)
Foreign born	20.6 (0.90)	12.3 (0.76)	13.3 (0.73)	9.4 (0.66)	12.3 (0.72)	9.4 (0.66)	3.6 (0.44)
Education ⁶							
Less than a high school diploma	29.1 (1.29)	27.3 (1.36)	28.2 (1.32)	17.6 (1.13)	14.9 (1.01)	15.3 (1.01)	8.6 (0.75)
High school diploma or GED ⁷	28.3 (0.91)	25.8 (0.96)	23.7 (0.93)	16.0 (0.71)	12.5 (0.72)	14.5 (0.76)	6.5 (0.51)
Some college	27.3 (0.80)	22.8 (0.76)	18.6 (0.70)	14.1 (0.64)	12.7 (0.61)	13.7 (0.65)	3.9 (0.37)
Bachelor's degree or higher	22.2 (0.77)	15.2 (0.65)	9.8 (0.53)	10.3 (0.55)	9.7 (0.54)	9.8 (0.52)	2.0 (0.26)
Poverty status ⁸							
Poor	32.7 (1.29)	25.6 (1.35)	25.6 (1.31)	17.5 (1.03)	16.4 (0.99)	16.8 (1.06)	7.2 (0.63)
Near poor	31.3 (1.15)	25.7 (1.12)	24.2 (1.08)	16.7 (0.90)	15.1 (0.84)	15.5 (0.86)	6.6 (0.60)
Not poor	24.0 (0.50)	18.5 (0.48)	13.8 (0.43)	12.3 (0.40)	10.7 (0.37)	10.2 (0.35)	2.9 (0.20)
Health and dental insurance status ⁹							
Private health insurance	23.2 (0.52)	17.6 (0.48)	13.0 (0.44)	12.2 (0.41)	10.2 (0.36)	10.0 (0.38)	2.7 (0.20)
Dental coverage from single-service plan only	27.0 (1.06)	20.7 (0.97)	13.0 (0.77)	14.0 (0.76)	11.8 (0.75)	10.6 (0.67)	2.5 (0.32)
Dental coverage from comprehensive plan only	21.0 (0.94)	15.7 (0.77)	13.2 (0.83)	10.8 (0.74)	9.5 (0.62)	10.0 (0.76)	2.8 (0.38)
Dental coverage from both single-service and comprehensive plans	22.6 (1.31)	17.5 (1.17)	12.0 (0.99)	13.1 (1.18)	8.9 (0.85)	10.6 (0.97)	2.6 (0.54)
No dental insurance	22.7 (0.95)	16.8 (0.87)	13.6 (0.82)	11.3 (0.72)	10.0 (0.71)	9.5 (0.67)	2.9 (0.40)
Medicaid ¹⁰	37.2 (1.71)	31.3 (1.75)	30.4 (1.61)	19.0 (1.35)	17.3 (1.20)	18.5 (1.30)	9.1 (0.92)
Other coverage	34.0 (2.23)	29.5 (2.19)	26.5 (2.09)	18.4 (1.75)	14.0 (1.76)	17.0 (1.71)	8.8 (1.24)
Uninsured	30.5 (0.95)	24.7 (1.08)	23.2 (0.91)	16.0 (0.79)	16.1 (0.89)	14.6 (0.73)	5.9 (0.52)
Region							
Northeast	25.8 (1.17)	17.8 (1.00)	16.1 (0.90)	11.7 (0.80)	11.0 (0.76)	12.5 (0.78)	3.6 (0.42)
Midwest	28.4 (0.99)	21.5 (0.93)	16.1 (0.82)	13.4 (0.80)	10.6 (0.69)	11.4 (0.78)	3.8 (0.43)
South	25.4 (0.73)	22.3 (0.80)	18.6 (0.72)	14.3 (0.56)	12.7 (0.61)	11.8 (0.49)	4.2 (0.29)
West	25.5 (0.84)	18.7 (0.85)	15.6 (0.76)	14.2 (0.69)	13.4 (0.66)	11.8 (0.61)	4.3 (0.41)
Place of residence							
Urban	25.8 (0.49)	19.0 (0.46)	15.8 (0.44)	13.1 (0.38)	12.2 (0.37)	11.5 (0.36)	3.9 (0.21)
Rural	27.7 (1.12)	26.5 (1.11)	21.1 (0.95)	15.6 (0.81)	11.3 (0.76)	13.3 (0.69)	4.5 (0.41)
Current smoking status ¹¹							
Current smoker	36.5 (1.01)	37.8 (1.04)	28.9 (0.95)	18.6 (0.80)	13.9 (0.75)	17.8 (0.78)	8.2 (0.55)
Former smoker	28.2 (1.02)	21.3 (0.93)	18.7 (0.89)	15.0 (0.79)	13.2 (0.75)	13.7 (0.78)	3.9 (0.41)
Never smoker	21.9 (0.54)	14.1 (0.46)	12.1 (0.41)	11.4 (0.41)	11.0 (0.41)	9.1 (0.35)	2.5 (0.20)

See footnotes at end of table.

Table 5. Percentages of dentate adults aged 18–64 who had problems with teeth in the past 6 months, by selected demographic and health characteristics: United States, 2008—Con.

Selected characteristic	Problem with teeth ¹						
	Toothache or sensitive teeth	Stained or discolored teeth	Broken or missing teeth	Crooked teeth	Bleeding gums	Broken or missing fillings	Loose teeth not due to injury
Current drinking status ¹²		Percent ² (standard error)					
Lifetime abstainer	20.3 (0.92)	13.0 (0.77)	13.3 (0.77)	10.5 (0.69)	10.1 (0.68)	8.0 (0.56)	2.9 (0.36)
Former drinker	33.2 (1.31)	27.2 (1.25)	26.2 (1.21)	16.0 (0.97)	15.4 (1.03)	15.5 (1.01)	6.3 (0.64)
Current light or infrequent drinker	26.6 (0.67)	21.1 (0.60)	15.4 (0.55)	14.3 (0.50)	12.1 (0.46)	11.9 (0.48)	3.7 (0.27)
Current moderate or heavier drinker	27.6 (0.98)	23.1 (0.92)	18.6 (0.83)	14.2 (0.74)	12.3 (0.67)	13.4 (0.68)	4.5 (0.43)
Diabetes status ¹³							
Yes	32.3 (1.78)	29.4 (1.73)	30.3 (1.86)	16.2 (1.48)	17.5 (1.42)	16.5 (1.56)	9.8 (1.12)
No	25.8 (0.47)	20.0 (0.46)	16.1 (0.41)	13.5 (0.36)	11.7 (0.35)	11.5 (0.33)	3.7 (0.19)

¹Based on the following questions asked of dentate adults: "DURING THE PAST 6 MONTHS, have you had any of the following problems? . . . A toothache or sensitive teeth, . . . Bleeding gums, . . . Crooked teeth, . . . Broken or missing teeth, . . . Stained or discolored teeth, . . . Loose teeth not due to an injury, . . . Broken or missing fillings."

²Unknowns for the columns were not included in the denominators when calculating percentages.

³Includes other races and Hispanic origin not shown separately and persons with unknown nativity, education, health and dental insurance status, dentition status, current smoking status, current drinking status, and diabetes status.

⁴Persons of Hispanic or Latino origin may be of any race or combination of races. Non-Hispanic or Latino persons of a single race other than groups shown or of multiple race are not shown separately due to small sample sizes.

⁵"U.S. born" is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. "Foreign born" is defined as people living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

⁶Shown only for persons aged 25 and over.

⁷GED is General Educational Development high school equivalency diploma.

⁸Based on family income and family size using the U.S. Census Bureau's poverty thresholds for the previous calendar year. "Poor" persons are defined as below the poverty threshold. "Near poor" persons have incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons have incomes that are 200% of the poverty threshold or greater. Because of the different income questions used in 2007 and beyond, poverty ratio estimates may not be comparable with those from earlier years.

⁹Classification of health insurance coverage is based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. The category "private health insurance" includes adults who had any type of private coverage either alone or in combination with dental insurance coverage. The category "private health insurance" also includes persons who may have either "Medicaid" or "other coverage." An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government sponsored health plan, or military plan at the time of the interview. An adult was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care. A small percentage of persons covered by "Medicaid" or "other coverage" or who were uninsured may also have a single-service dental plan. See Appendix II for a more complete description of the health insurance coverage hierarchy and types of dental insurance coverage.

¹⁰Includes adults covered by CHIP or other state-sponsored health plans.

¹¹A current smoker smoked at least 100 cigarettes in lifetime and currently smoked; a former smoker smoked at least 100 cigarettes in lifetime but not currently smoking; a never smoker never smoked at all or smoked less than 100 cigarettes in lifetime.

¹²A lifetime abstainer had less than 12 drinks in lifetime; former drinker had at least 12 drinks in lifetime, but none in the past year; current light drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and 3 drinks or fewer per week on average; infrequent drinker had at least 12 drinks in lifetime and 1–11 drinks in past year; current moderate or heavier drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and drank more than 3 drinks per week, on average.

¹³Female respondents were instructed to exclude pregnancy-related diabetes. Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes.

NOTE: Estimates are based on household interviews of a sample of the resident civilian noninstitutionalized population.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008.

Table 6. Percentages of adults aged 18–64 with a mouth or tooth problem who did not see a dentist or other dental health professional in the past 6 months, by reason and by selected demographic and health characteristics: United States, 2008

Selected characteristic	Reason for not seeing a dentist ¹						
	Could not afford/no insurance	Didn't think problem was important	Problem went away	Fear	Didn't think dentist could fix problem	Waiting for an appointment	No transportation
	Percent ² (standard error)						
Total ³	41.7 (0.89)	25.9 (0.79)	25.4 (0.85)	9.7 (0.50)	6.1 (0.39)	4.0 (0.34)	2.8 (0.27)
Sex							
Male	39.9 (1.28)	29.0 (1.20)	26.5 (1.13)	9.3 (0.74)	5.2 (0.51)	3.2 (0.45)	2.3 (0.37)
Female	43.3 (1.12)	23.0 (0.96)	24.3 (1.12)	10.1 (0.66)	7.0 (0.58)	4.8 (0.46)	3.2 (0.41)
Age in years							
18–34	43.1 (1.48)	27.6 (1.33)	30.2 (1.39)	9.6 (0.81)	4.5 (0.55)	3.8 (0.59)	3.4 (0.59)
35–44	41.8 (1.67)	25.3 (1.54)	22.1 (1.45)	10.8 (1.04)	6.5 (0.82)	4.1 (0.65)	2.0 (0.44)
45–54	44.4 (1.81)	25.6 (1.50)	22.6 (1.47)	9.4 (1.05)	7.1 (0.86)	4.1 (0.60)	2.2 (0.41)
55–64	34.0 (1.86)	23.2 (1.66)	22.3 (1.65)	8.9 (1.07)	8.2 (0.95)	4.2 (0.73)	3.1 (0.64)
Race/ethnicity⁴							
Hispanic or Latino	55.7 (2.10)	21.4 (1.57)	22.0 (1.66)	11.7 (1.13)	5.7 (0.85)	3.6 (0.61)	3.6 (0.64)
Non-Hispanic							
White, single race	38.5 (1.07)	28.4 (1.05)	25.9 (1.10)	9.1 (0.63)	6.6 (0.50)	3.9 (0.43)	2.0 (0.31)
Black, single race	44.5 (2.07)	18.7 (1.68)	22.7 (1.88)	12.3 (1.33)	4.9 (0.90)	5.2 (0.86)	5.2 (0.91)
Asian, single race	28.1 (3.30)	28.9 (3.41)	37.5 (3.58)	6.8 (1.66)	*4.7 (1.45)	4.2 (1.17)	†
Nativity⁵							
U.S. born	39.8 (0.94)	26.6 (0.86)	25.7 (0.95)	9.7 (0.56)	6.3 (0.43)	4.0 (0.38)	2.7 (0.30)
Foreign born	52.6 (2.15)	21.6 (1.62)	23.5 (1.73)	9.6 (1.11)	5.4 (0.92)	4.3 (0.77)	3.0 (0.57)
Education⁶							
Less than a high school diploma	58.4 (2.10)	18.1 (1.72)	20.2 (1.86)	13.0 (1.31)	3.6 (0.69)	3.9 (0.71)	5.6 (0.89)
High school diploma or GED ⁷	47.7 (1.65)	23.6 (1.47)	20.2 (1.35)	13.1 (1.11)	6.3 (0.81)	2.6 (0.43)	2.4 (0.46)
Some college	42.8 (1.56)	24.2 (1.34)	23.7 (1.41)	7.1 (0.75)	6.8 (0.74)	4.6 (0.64)	1.7 (0.34)
Bachelor's degree or higher	23.4 (1.47)	33.1 (1.74)	30.7 (1.73)	7.3 (0.93)	8.0 (0.96)	4.6 (0.76)	†
Poverty status⁸							
Poor	59.7 (2.20)	17.8 (1.61)	19.3 (1.45)	11.1 (1.11)	5.7 (0.91)	4.3 (0.66)	8.5 (1.10)
Near poor	59.6 (1.72)	19.1 (1.43)	20.8 (1.42)	10.1 (1.04)	5.5 (0.81)	3.4 (0.66)	4.0 (0.85)
Not poor	31.0 (1.02)	30.3 (1.09)	28.4 (1.14)	9.2 (0.63)	6.5 (0.50)	4.2 (0.47)	0.8 (0.20)
Health and dental insurance status⁹							
Private health insurance	24.1 (0.96)	31.9 (1.12)	29.0 (1.15)	9.7 (0.68)	7.4 (0.56)	4.7 (0.51)	0.7 (0.18)
Dental coverage from single-service plan only	17.6 (1.64)	37.7 (2.18)	31.7 (2.17)	9.8 (1.30)	9.3 (1.22)	3.8 (0.76)	†
Dental coverage from comprehensive plan only	18.2 (1.56)	30.2 (1.88)	28.3 (1.91)	9.9 (1.31)	7.0 (0.97)	6.8 (1.23)	*0.5 (0.21)
Dental coverage from both single-service and comprehensive plans	18.4 (2.32)	30.6 (2.82)	28.3 (2.80)	9.9 (1.82)	6.4 (1.52)	4.9 (1.34)	†
No dental insurance	40.1 (2.20)	27.8 (2.09)	27.3 (1.97)	9.0 (1.22)	6.8 (0.95)	3.1 (0.68)	*0.9 (0.44)
Medicaid ¹⁰	47.6 (2.42)	17.7 (1.91)	20.9 (2.10)	16.4 (1.82)	8.7 (1.49)	6.9 (1.17)	10.3 (1.54)
Other coverage	49.8 (3.49)	19.3 (2.81)	26.9 (3.43)	7.0 (1.69)	7.1 (1.74)	*3.0 (1.26)	*3.1 (0.96)
Uninsured	75.5 (1.37)	16.7 (1.24)	18.9 (1.34)	7.7 (0.74)	2.4 (0.41)	1.8 (0.39)	4.1 (0.69)
Region							
Northeast	33.6 (2.06)	27.2 (2.46)	24.8 (2.19)	10.1 (1.29)	5.9 (1.04)	3.8 (0.86)	3.4 (0.71)
Midwest	35.6 (1.76)	31.1 (1.81)	32.5 (1.84)	8.0 (0.94)	7.5 (0.86)	4.1 (0.72)	2.0 (0.50)
South	48.1 (1.55)	21.0 (1.13)	21.1 (1.28)	10.1 (0.77)	4.7 (0.58)	3.6 (0.42)	3.3 (0.52)
West	43.0 (1.72)	27.4 (1.41)	24.8 (1.72)	10.7 (1.17)	7.1 (0.85)	4.8 (0.90)	2.4 (0.44)
Place of residence							
Urban	41.5 (1.02)	25.7 (0.87)	26.6 (0.95)	10.3 (0.58)	6.2 (0.44)	4.2 (0.39)	2.9 (0.34)
Rural	42.1 (1.76)	26.7 (1.92)	20.9 (1.68)	7.8 (0.95)	5.9 (0.86)	3.5 (0.61)	2.3 (0.53)
Dentition status							
Edentulous ¹¹	39.8 (4.48)	17.9 (4.50)	28.2 (4.93)	*4.9 (1.52)	11.8 (2.32)	*2.6 (1.24)	*3.3 (1.23)
Dentate	41.7 (0.91)	26.2 (0.79)	25.2 (0.85)	9.9 (0.51)	5.9 (0.39)	4.1 (0.35)	2.7 (0.28)

See footnotes at end of table.

Table 6. Percentages of adults aged 18–64 with a mouth or tooth problem who did not see a dentist or other dental health professional in the past 6 months, by reason and by selected demographic and health characteristics: United States, 2008—Con.

Selected characteristic	Reason for not seeing a dentist ¹						
	Could not afford/no insurance	Didn't think problem was important	Problem went away	Fear	Didn't think dentist could fix problem	Waiting for an appointment	No transportation
Current smoking status ¹²	Percent ² (standard error)						
Current smoker	55.5 (1.60)	22.1 (1.35)	19.8 (1.28)	10.5 (0.84)	5.6 (0.65)	3.6 (0.63)	4.3 (0.64)
Former smoker	36.4 (1.79)	27.0 (1.64)	23.0 (1.59)	9.0 (1.13)	8.1 (1.01)	4.7 (0.79)	1.7 (0.43)
Never smoker	34.9 (1.12)	27.9 (1.09)	29.7 (1.20)	9.5 (0.69)	5.7 (0.53)	4.0 (0.43)	2.2 (0.35)
Current drinking status ¹³							
Lifetime abstainer	43.8 (1.97)	22.2 (1.93)	25.1 (2.03)	8.1 (1.09)	5.5 (0.95)	6.3 (1.15)	4.0 (0.80)
Former drinker	49.1 (2.28)	20.0 (1.73)	18.0 (1.71)	12.9 (1.33)	7.2 (1.05)	3.3 (0.66)	3.9 (0.73)
Current light or infrequent drinker	39.5 (1.26)	26.8 (1.14)	25.7 (1.15)	9.9 (0.75)	7.0 (0.63)	3.7 (0.45)	1.7 (0.30)
Current moderate or heavier drinker	39.8 (1.66)	30.6 (1.66)	29.1 (1.63)	8.5 (0.97)	4.4 (0.61)	3.6 (0.62)	3.0 (0.66)
Diabetes status ¹⁴							
Yes	48.3 (2.96)	18.7 (2.31)	19.2 (2.27)	11.2 (1.55)	8.5 (1.47)	3.4 (0.91)	5.2 (1.14)
No	41.1 (0.91)	26.5 (0.82)	25.9 (0.89)	9.6 (0.53)	5.9 (0.41)	4.1 (0.36)	2.6 (0.28)

* Estimate has a relative standard error of greater than 30% and less than or equal to 50% and should be used with caution as it does not meet standards of reliability or precision.

† Estimate has a relative standard error greater than 50% and is not shown.

¹Based on the questions: "DURING THE PAST 6 MONTHS, why didn't you see a dentist for the problems with your mouth or teeth? . . . You didn't think it was important, . . . The problem went away, . . . You couldn't afford treatments or you didn't have insurance, . . . You didn't have transportation, . . . You were afraid to see a dentist, . . . You were waiting for an appointment." These questions were asked only of adults who indicated that they had a mouth or tooth problem as shown in Tables 4 and 5.

²Unknowns for the columns were not included in the denominators when calculating percentages.

³Includes other races and Hispanic origin not shown separately and persons with unknown nativity, education, health and dental insurance status, dentition status, current smoking status, current drinking status, and diabetes status.

⁴Persons of Hispanic or Latino origin may be of any race or combination of races. Non-Hispanic or Latino persons of a single race other than groups shown or of multiple race are not shown separately due to small sample sizes.

⁵"U.S. born" is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. "Foreign born" is defined as people living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

⁶Shown only for persons aged 25 and over.

⁷GED is General Educational Development high school equivalency diploma.

⁸Based on family income and family size using the U.S. Census Bureau's poverty thresholds for the previous calendar year. "Poor" persons are defined as below the poverty threshold. "Near poor" persons have incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons have incomes that are 200% of the poverty threshold or greater. Because of the different income questions used in 2007 and beyond, poverty ratio estimates may not be comparable with those from earlier years.

⁹Classification of health insurance coverage is based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. The category "private health insurance" includes adults who had any type of private coverage either alone or in combination with dental insurance coverage. The category "private health insurance" also includes persons who may have either "Medicaid" or "other coverage." An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government sponsored health plan, or military plan at the time of the interview. An adult was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care. A small percentage of persons covered by "Medicaid" or "other coverage" or who were uninsured may also have a single-service dental plan. See Appendix II for a more complete description of the health insurance coverage hierarchy and types of dental insurance coverage.

¹⁰Includes adults covered by CHIP or other state-sponsored health plans.

¹¹Refers to persons who have lost all of their upper and lower natural teeth.

¹²A current smoker smoked at least 100 cigarettes in lifetime and currently smoked; a former smoker smoked at least 100 cigarettes in lifetime but not currently smoking; a never smoker never smoked at all or smoked less than 100 cigarettes in lifetime.

¹³A lifetime abstainer had less than 12 drinks in lifetime; former drinker had at least 12 drinks in lifetime, but none in the past year; current light drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and 3 drinks or fewer per week on average; infrequent drinker had at least 12 drinks in lifetime and 1–11 drinks in past year; current moderate or heavier drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and drank more than 3 drinks per week, on average.

¹⁴Female respondents were instructed to exclude pregnancy-related diabetes. Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes.

NOTE: Estimates are based on household interviews of a sample of the resident civilian noninstitutionalized population.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008.

Table 7. Percentages of dentate adults aged 18–64 who had an unmet dental need due to cost in the past 12 months, dentate adults with no mouth or teeth problems, with one or more mouth or teeth problems, and with toothache as a problem, by selected demographic and health characteristics: United States, 2008

Selected characteristic	Unmet dental need due to cost ¹			
	All dentate adults	Dentate adults with no mouth or teeth problems ²	Dentate adults with one or more mouth or teeth problems ²	Dentate adults with toothache as a problem ²
	Percent ³ (standard error)			
Total ⁴	16.1 (0.39)	6.8 (0.37)	25.3 (0.64)	32.7 (0.96)
Sex				
Male	14.0 (0.52)	6.0 (0.50)	22.6 (0.85)	30.1 (1.35)
Female	18.0 (0.52)	7.6 (0.49)	27.8 (0.86)	34.9 (1.30)
Age in years				
18–34	17.4 (0.65)	7.3 (0.60)	28.4 (1.07)	35.7 (1.49)
35–44	15.4 (0.71)	7.2 (0.74)	23.5 (1.16)	29.6 (1.76)
45–54	16.7 (0.76)	5.9 (0.66)	26.5 (1.24)	35.1 (2.00)
55–64	13.1 (0.76)	6.4 (0.80)	19.5 (1.21)	25.9 (1.93)
Race/ethnicity ⁵				
Hispanic or Latino	20.9 (1.10)	12.0 (1.25)	31.1 (1.60)	39.3 (2.45)
Non-Hispanic				
White, single race	15.0 (0.48)	5.4 (0.40)	24.0 (0.78)	31.6 (1.20)
Black, single race	18.2 (0.94)	8.8 (0.97)	28.4 (1.60)	34.1 (2.33)
Asian, single race	8.9 (1.04)	4.3 (0.98)	15.6 (2.04)	20.9 (3.33)
Nativity ⁶				
U.S. born	16.0 (0.43)	6.1 (0.37)	25.2 (0.71)	33.0 (1.05)
Foreign born	16.5 (0.96)	9.5 (1.02)	26.0 (1.50)	30.8 (2.23)
Education ⁷				
Less than a high school diploma	24.9 (1.27)	11.7 (1.48)	35.7 (1.78)	44.1 (2.69)
High school diploma or GED ⁸	20.0 (0.82)	8.1 (0.75)	30.3 (1.30)	38.9 (1.95)
Some college	18.2 (0.76)	7.8 (0.72)	28.1 (1.21)	35.6 (1.74)
Bachelor's degree or higher	9.3 (0.53)	4.4 (0.53)	15.1 (0.94)	20.8 (1.59)
Poverty status ⁹				
Poor	27.9 (1.38)	11.8 (1.36)	40.6 (1.89)	50.5 (2.65)
Near poor	28.4 (1.21)	13.2 (1.33)	40.3 (1.61)	48.1 (2.25)
Not poor	11.3 (0.39)	4.9 (0.37)	18.4 (0.69)	24.2 (1.10)
Health and dental insurance status ¹⁰				
Private health insurance	8.9 (0.33)	3.5 (0.29)	14.9 (0.62)	19.5 (1.00)
Dental coverage from single-service plan only	7.9 (0.59)	2.5 (0.47)	12.9 (1.02)	17.1 (1.65)
Dental coverage from comprehensive plan only	6.9 (0.55)	2.6 (0.38)	12.5 (1.15)	16.4 (1.91)
Dental coverage from both single-service and comprehensive plans	7.0 (0.75)	2.7 (0.68)	11.9 (1.39)	17.1 (2.33)
No dental insurance	13.9 (0.84)	6.3 (0.78)	22.7 (1.44)	28.4 (2.20)
Medicaid ¹¹	23.2 (1.41)	9.5 (1.46)	32.5 (2.07)	42.0 (2.81)
Other coverage	23.6 (2.06)	8.2 (2.03)	33.7 (2.98)	42.2 (4.27)
Uninsured	36.8 (1.15)	18.9 (1.36)	51.8 (1.44)	61.7 (1.86)
Region				
Northeast	12.1 (0.73)	5.0 (0.65)	19.7 (1.27)	25.3 (2.02)
Midwest	15.1 (0.86)	6.5 (0.72)	22.8 (1.39)	30.3 (2.10)
South	18.0 (0.72)	7.6 (0.66)	28.5 (1.09)	36.3 (1.57)
West	17.0 (0.76)	7.2 (0.80)	27.1 (1.30)	35.4 (1.99)
Place of residence				
Urban	16.0 (0.44)	7.1 (0.42)	25.1 (0.72)	31.9 (1.08)
Rural	16.4 (0.81)	5.6 (0.67)	26.0 (1.26)	35.8 (2.11)
Current smoking status ¹²				
Current smoker	26.0 (0.96)	9.0 (0.89)	35.7 (1.29)	45.6 (1.78)
Former smoker	16.0 (0.83)	7.1 (0.85)	23.6 (1.28)	30.2 (1.96)
Never smoker	12.5 (0.43)	6.2 (0.43)	20.4 (0.79)	25.9 (1.25)

See footnotes at end of table.

Table 7. Percentages of dentate adults aged 18–64 who had an unmet dental need due to cost in the past 12 months, dentate adults with no mouth or teeth problems, with one or more mouth or teeth problems, and with toothache as a problem, by selected demographic and health characteristics: United States, 2008—Con.

Selected characteristic	Unmet dental need due to cost ¹			
	All dentate adults	Dentate adults with no mouth or teeth problems ²	Dentate adults with one or more mouth or teeth problems ²	Dentate adults with toothache as a problem ²
Current drinking status ¹³		Percent ³ (standard error)		
Lifetime abstainer	12.5 (0.74)	6.7 (0.77)	21.2 (1.36)	23.3 (1.94)
Former drinker	22.3 (1.16)	7.7 (1.08)	33.2 (1.78)	42.8 (2.52)
Current light or infrequent drinker	15.9 (0.52)	6.5 (0.49)	24.8 (0.86)	31.8 (1.32)
Current moderate or heavier drinker	16.5 (0.81)	7.3 (0.81)	24.5 (1.26)	34.5 (1.98)
Diabetes status ¹⁴				
Yes	20.8 (1.49)	7.8 (1.57)	28.3 (2.03)	36.4 (3.28)
No	15.8 (0.40)	6.8 (0.37)	25.1 (0.65)	32.5 (0.98)

¹Based on the question: "DURING THE PAST 12 MONTHS, was there any time when you needed any of the following, but didn't get it because you couldn't afford it? . . . Dental care (including check-ups)." This table includes dentate adults only.

²Based on the questions: "DURING THE PAST 6 MONTHS, have you had any of the following problems? . . . A toothache or sensitive teeth, . . . Bleeding gums, . . . Crooked teeth, . . . Broken or missing teeth, . . . Stained or discolored teeth, . . . Loose teeth not due to an injury, . . . Broken or missing fillings."

³Unknowns for the columns were not included in the denominators when calculating percentages.

⁴Includes other races and Hispanic origin not shown separately and persons with unknown nativity, education, health and dental insurance status, dentition status, current smoking status, current drinking status, and diabetes status.

⁵Persons of Hispanic or Latino origin may be of any race or combination of races. Non-Hispanic or Latino persons of a single race other than groups shown or of multiple race are not shown separately due to small sample sizes.

⁶"U.S. born" is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. "Foreign born" is defined as persons living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

⁷Shown only for persons aged 25 and over.

⁸GED is General Educational Development high school equivalency diploma.

⁹Based on family income and family size using the U.S. Census Bureau's poverty thresholds for the previous calendar year. "Poor" persons are defined as below the poverty threshold. "Near poor" persons have incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons have incomes that are 200% of the poverty threshold or greater. Because of the different income questions used in 2007 and beyond, poverty ratio estimates may not be comparable with those from earlier years.

¹⁰Classification of health insurance coverage is based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. The category "private health insurance" includes adults who had any type of private coverage either alone or in combination with dental insurance coverage. The category "private health insurance" also includes persons who may have either "Medicaid" or "other coverage." An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government sponsored health plan, or military plan at the time of the interview. An adult was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care. A small percentage of persons covered by "Medicaid" or "other coverage" or who were uninsured may also have a single-service dental plan. See Appendix II for a more complete description of the health insurance coverage hierarchy and types of dental insurance coverage.

¹¹Includes adults covered by CHIP or other state-sponsored health plans.

¹²A current smoker smoked at least 100 cigarettes in lifetime and currently smoked; a former smoker smoked at least 100 cigarettes in lifetime but not currently smoking; a never smoker never smoked at all or smoked less than 100 cigarettes in lifetime.

¹³A lifetime abstainer had less than 12 drinks in lifetime; former drinker had at least 12 drinks in lifetime, but none in the past year; current light drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and 3 drinks or fewer per week on average; infrequent drinker had at least 12 drinks in lifetime and 1–11 drinks in past year; current moderate or heavier drinker had at least 12 drinks in lifetime, at least 12 drinks in past year, and drank more than 3 drinks per week, on average.

¹⁴Female respondents were instructed to exclude pregnancy-related diabetes. Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes.

NOTE: Estimates are based on household interviews of a sample of the resident civilian noninstitutionalized population.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008.

Appendix I. Technical Notes on Methods

Sample Design

The National Health Interview Survey (NHIS) is a cross-sectional household interview survey of the U.S. civilian noninstitutionalized population. Data are collected continuously throughout the year in all 50 states and the District of Columbia. NHIS uses a multistage, clustered sample design to collect information for a variety of health indicators. Information on basic health topics is collected for all household members, if necessary, by proxy from one adult family member. Additional information is collected for one randomly selected child (the “sample child”) and one randomly selected adult (the “sample adult”) in each family. Self response is required for the Sample Adult questionnaire except in rare cases where sample adults are physically or mentally incapable of responding for themselves. Interviews are conducted in the home using computer-assisted personal interviewing (CAPI), with follow-up telephone interviewing permitted, if necessary.

The 2008 NHIS sample design oversamples households with black, Hispanic, and Asian persons. Black, Hispanic, and Asian persons aged 65 and over also have an increased chance of being selected as a sample adult.

Response Rates

In 2008, NHIS interviews were completed in 28,790 households and 29,421 families, with 21,781 adults aged 18–64 completing the Sample Adult questionnaire. The conditional response rate for the 2008 Sample Adult section was 74.2%, and the final response rate (which takes into account household and family nonresponse) was 62.6%. The household response rate for 2008 was 84.9%.

Item Nonresponse

Item nonresponse for each of the sociodemographic indicators shown in this report generally was about 1% or less, with the exception of poverty

status, which is based on detailed family income questions in the Family component of the questionnaire. Item nonresponse for the poverty indicator was 19.4%. To minimize the possible bias that could be introduced from a relatively large amount of missing income data, NHIS-imputed income files were used (7). These data are produced by multiple imputation, a technique that allows the extra variation due to imputation to be accounted for in the data analysis. Item nonresponse rates were 0.2% for the health characteristics of dentition status, 1.2% for current smoking status, 2.3% for current drinking status, and 0.1% for diabetes status. For the oral health items, nonresponse rates ranged from 0.0% to 5.7%. The denominators for the estimates shown in the tables exclude persons with unknown oral health related information for a given table. Results for persons with unknown sociodemographic characteristics are not shown separately, but are included in the totals for [Tables 1–7](#).

Estimation Procedures and Significance Testing

All estimates and associated standard errors shown in this report were generated using SUDAAN (6), a software package designed to account for complex sample designs such as that of NHIS. All estimates were weighted using the Sample Adult record weight to represent the U.S. civilian noninstitutionalized population aged 18 and over.

Tests of Significance

Statistical tests performed to assess significance of differences in the estimates were two tailed with no adjustments for multiple comparisons. The test statistic used to determine significance of differences between two percentages was

$$Z = \frac{|X_a - X_b|}{\sqrt{S_a^2 + S_b^2}},$$

where X_a and X_b are the two percentages being compared, and S_a and S_b are the SUDAAN-calculated standard errors of those percentages. The critical value used for two-sided tests at the 0.05 level was 1.96.

Relative Standard Error

Estimates with a relative standard error of greater than 30% but less than or equal to 50% are identified with an asterisk and should be used with caution as they do not meet standards of reliability or precision. Estimates with a relative standard error of greater than 50% are indicated with a dagger (†) and are not shown. The relative standard errors are calculated as follows:

Relative standard error (as a percentage) = (SE/Est) 100, where SE is the standard error of the estimate, and Est is the estimate.

Appendix II. Definitions of Selected Terms

Sociodemographic Terms

Education—The categories of education for adults are based on years of school completed or highest degree obtained for persons aged 25 and over. Only years completed in a school that advances a person toward an elementary or high school diploma, General Educational Development high school equivalency diploma, or college, university, or professional degree are included. Education in other schools or home schooling is counted only if the credits are accepted in a regular school system.

Hispanic or Latino origin—Hispanic or Latino origin includes persons of Mexican, Puerto Rican, Cuban, Central and South American, or Spanish origin. Persons of Hispanic or Latino origin may be of any race.

Nativity—“U.S. born” is defined as having been born in one of the 50 states, the District of Columbia, Puerto Rico, or any of the other U.S. territories (e.g., American Samoa, Guam, U.S. Virgin Islands, and Northern Marianas). Persons born in a foreign country to parents who were U.S. citizens were also defined as U.S. born. Foreign-born persons are defined as people living in the United States who were not U.S. citizens at birth. All naturalized citizens, legal permanent residents, illegal aliens, and persons on long-term temporary visas (such as students or guest workers) also fall in this category.

Poverty status or percentage of poverty level—Based on family income, family size, number of children in the family, and, for families with two or fewer adults, on the age of the adults in the family. The poverty level is based on definitions originally developed by the U.S. Social Security Administration. These include a set of income thresholds defining the federal poverty level that vary by family size and composition. The thresholds are updated annually by the U.S. Census Bureau to reflect

changes in the Consumer Price Index for all urban consumers (8). The poverty status of families or individuals is classified relative to their appropriate poverty threshold. Estimates by poverty status are based on both reported and imputed family income. Family income information was completely missing for 9.4% of persons, and family income information was only reported in broad categories for an additional 22.0% of persons in 2008. Therefore, imputed family income was used for 31.4% of persons in 2008 using the National Health Interview Survey (NHIS) imputed income files (7). Using the U.S. Census Bureau’s poverty thresholds, “poor” persons are defined as those with family incomes below the poverty threshold. “Near poor” persons have family incomes of 100% to less than 200% of the poverty threshold, and “not poor” persons have family incomes that are 200% of the poverty threshold or greater.

Race—The 1997 Office of Management and Budget (OMB) federal guidelines (9) for reporting race require that persons of “single race” be distinguished from persons of “multiple race.” “Single race” refers to persons who indicated only a single-race group. In this report, three categories are shown for single-race individuals (white, black or African American, and Asian). Other subcategories of single-race persons and multiple-race persons are not shown due to statistical unreliability as measured by the relative standard errors of the estimates.

The text in this report uses shorter versions of the OMB race terms for conciseness, and the tables use the complete terms. For example, the category “black, single race” in a table is referred to as “black” in the text.

Region—In the geographic classification of the U.S. population, states are grouped into four regions used by the U.S. Census Bureau:

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

Health Insurance Terms

Comprehensive plan—Refers to a health insurance plan or policy that covers a variety of medical services. These plans are designed to cover general medical expenses such as blood work or visits to a doctor’s office and health catastrophes such as heart attacks and cancer.

Comprehensive plan with dental coverage—Refers to a private health insurance plan that also has dental coverage based on a positive response to the following question: “Does [Plan name] pay for any of the costs for dental care?”

Dental insurance status—The examination of dental insurance status was limited to those persons who had private health insurance. Federal and state assistance programs for dental care are limited. The Children’s Health

Insurance Program (CHIP) requires states to provide limited dental coverage for enrolled children up to age 19 years (10). The Medicaid program requires states to provide limited dental services for most Medicaid-eligible individuals under age 21, but there is no assistance to provide dental services to individuals aged 21 and over (10); therefore, due to the limited or nonexistent public coverage for dental care, this report limits the analysis of dental insurance status to adults aged 18–64 who have private health insurance.

Health insurance coverage—NHIS respondents were asked about their health insurance coverage at the time of the interview. Respondents reported whether they were covered by private insurance (obtained through the employer or workplace, purchased directly, or through a local or community program), Medicare, Medigap (supplemental Medicare coverage), Medicaid, CHIP, Indian Health Service (IHS), military coverage (including VA, TRICARE, or CHAMP-VA), a state-sponsored health plan, another government program, or any single-service plans. This information was used to form a health insurance hierarchy that consisted of four mutually exclusive categories (11). Persons with more than one type of health insurance were assigned to the first appropriate category in the following hierarchy: private coverage, Medicaid (includes persons with Medicare, Medigap, Medicaid, CHIP, or a state-sponsored health plan), other coverage (includes any type of military coverage or another government program), and uninsured (also includes persons who are only covered by IHS or only have single-service plans).

Private health insurance—Indicated when respondents reported that they were covered by private health insurance through an employer, or union, or individual purchase. Private health insurance includes managed care such as health maintenance organizations and does not include military health plans.

Single-service dental plan—Refers to a private insurance plan that only pays for dental care.

Oral Health Terms

Comparative oral health status—Based on the question: “Would you say the condition of your mouth and [if dentate] teeth is better than, the same as or not as good as other people your age?”

Dental visit—Refers to any visit to a dentist’s office (including oral surgeons, orthodontists, or other dental specialists) for treatment or advice, including services by a technician or hygienist acting under a dentist’s supervision.

Dentition status includes:

Edentulous persons—Refers to persons who have lost all of their permanent teeth. An edentulous person may have dentures.

Dentate persons—Refers to persons who have not lost all of their permanent teeth.

Interval since last dental visit—Refers to 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.

Oral health status—Based on the question: “How would you describe the condition of your mouth and [if dentate] teeth? Would you say very good, good, fair or poor?”

Problems with mouth—Based on the question: “DURING THE PAST 6 MONTHS, have you had any of the following problems that lasted more than a day? . . . Pain in your jaw joint, . . . Sores in your mouth, . . . Difficulty eating or chewing, . . . Bad breath, . . . Dry mouth.”

Problems with teeth—Based on the question asked among dentate adults: “DURING THE PAST 6 MONTHS, have you had any of the following problems? . . . A toothache or sensitive teeth, . . . Bleeding gums, . . . Crooked teeth, . . . Broken or missing teeth, . . . Stained or discolored teeth, . . . Loose teeth not due to an injury, . . . Broken or missing fillings.”

Reason for not seeing a dentist or other dental health professional for a mouth or tooth problem—Based on the question: “DURING THE PAST 6

MONTHS, why didn’t you see a dentist for the problems with your mouth or teeth? . . . You didn’t think it was important, . . . The problem went away, . . . You could not afford treatment or you didn’t have insurance, . . . You didn’t have transportation, . . . You were afraid to see a dentist, . . . You were waiting for an appointment, . . . You didn’t think a dentist could fix the problem.”

Unmet dental need due to cost—Based on the question: “DURING THE PAST 12 MONTHS, was there any time when you needed any of the following but didn’t get it because you couldn’t afford it? . . . Dental care (including check-ups)?”

Health Behavior Terms

Current drinking status includes:

Lifetime abstainer—Refers to adults who had fewer than 12 drinks in their entire lifetime.

Former drinker—Refers to adults who had 12 drinks or more in their lifetime, but had no drinks in the past year.

Current light or infrequent drinker—Refers to adults who had at least 12 drinks in their lifetime and 1–11 drinks in the past year (infrequent) or 3 drinks or fewer per week, on average (light).

Current moderate or heavier drinker—Refers to moderate drinkers as adults who had at least 12 drinks in their lifetime and more than 3 drinks per week up to 14 drinks per week (on average) for men and more than 3 drinks per week up to 7 drinks per week (on average) for women. Adults who had at least 12 drinks in their lifetime and more than 14 drinks per week (on average) for men and more than 7 drinks per week (on average) for women were heavier drinkers.

Current smoking status includes:

Current—Refers to adults who have smoked at least 100 cigarettes in their lifetime and currently smoke cigarettes every day or some days.

Former—Refers to adults who have smoked at least 100 cigarettes in their lifetime, but currently do not smoke at all.

Never—Refers to adults who never smoked a cigarette or who smoked fewer than 100 cigarettes in their entire lifetime.

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For answers to questions about this report or for a list of reports published in these series, contact:

Information Dissemination Staff
National Center for Health Statistics
Centers for Disease Control and Prevention
3311 Toledo Road, Room 5412
Hyattsville, MD 20782
1-800-232-4636
E-mail: cdcinfo@cdc.gov
Internet: <http://www.cdc.gov/nchs>

**U.S. DEPARTMENT OF
HEALTH & HUMAN SERVICES**

Centers for Disease Control and Prevention
National Center for Health Statistics
3311 Toledo Road
Hyattsville, MD 20782

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