

Table 49. Respondent-reported prevalence of heart disease, cancer, and stroke among adults aged 18 and over, by selected characteristics: United States, average annual, selected years 1997-1998 through 2010-2011

(Data are based on household interviews of a sample of the civilian noninstitutionalized population)

Characteristic	Heart disease ¹				Cancer ²				Stroke ³			
	1997-1998	2000-2001	2007-2008	2010-2011	1997-1998	2000-2001	2007-2008	2010-2011	1997-1998	2000-2001	2007-2008	2010-2011
Percent of persons												
18 years and over, age-adjusted ^{4,5}	12.0	11.5	11.3	11.1	4.9	5.1	5.6	6.0	2.3	2.3	2.6	2.6
18 years and over, crude ⁵	11.6	11.3	11.6	11.6	4.8	5.0	5.8	6.3	2.2	2.3	2.7	2.7
Age												
18-44 years.....	4.6	4.4	4.4	4.0	1.7	1.7	1.7	1.7	0.4	0.4	0.5	0.6
18-24 years.....	3.2	3.4	3.1	3.0	0.8	0.8	0.8	0.7	*	*	*	*
25-44 years.....	5.0	4.7	4.8	4.4	2.0	2.0	2.0	2.0	0.4	0.5	0.6	0.7
45-64 years.....	13.5	12.9	12.2	13.0	5.4	5.3	6.3	6.9	2.3	2.2	2.9	2.9
45-54 years.....	10.9	10.2	8.8	9.6	4.0	4.1	4.6	4.9	1.4	1.5	2.0	2.1
55-64 years.....	17.4	17.1	16.8	17.1	7.4	7.3	8.6	9.3	3.8	3.3	4.0	3.9
65 years and over.....	31.8	30.9	31.8	30.5	14.1	15.3	17.0	18.5	8.1	6.6	8.8	8.2
65-74 years.....	27.8	26.6	26.9	25.6	12.4	13.1	14.6	15.9	6.7	6.7	6.3	6.3
75 years and over.....	37.0	36.0	37.5	36.5	16.2	17.8	19.8	21.7	9.8	10.9	11.8	10.6
Sex ⁴												
Male.....	12.3	12.3	12.5	12.4	4.1	4.4	4.8	5.5	2.6	2.5	2.5	2.6
Female.....	11.8	10.9	10.5	10.2	5.8	5.8	6.5	6.6	2.1	2.2	2.6	2.6
Sex and age												
Male:												
18-44 years.....	3.7	3.6	3.8	3.7	0.8	0.8	0.8	0.9	0.3	0.3	*0.3	0.5
45-54 years.....	11.0	10.2	9.2	9.5	2.0	2.0	2.6	3.1	1.2	1.6	2.0	1.9
55-64 years.....	18.7	19.4	18.3	19.1	5.8	5.7	7.2	7.5	4.6	3.6	4.2	4.0
65-74 years.....	32.0	31.4	32.0	31.3	12.8	14.0	14.3	16.9	8.1	7.2	7.0	6.6
75 years and over.....	40.8	42.7	46.5	44.7	18.3	21.6	21.9	26.1	11.2	12.0	11.1	10.6
Female:												
18-44 years.....	5.5	5.1	4.9	4.3	2.6	2.6	2.5	2.5	0.4	0.5	0.6	0.6
45-54 years.....	10.8	10.1	8.4	9.6	6.0	6.0	6.4	6.6	1.5	1.4	2.1	2.2
55-64 years.....	16.2	14.9	15.4	15.3	8.8	8.7	10.0	10.9	3.2	2.9	3.8	3.9
65-74 years.....	24.5	22.7	22.5	20.6	12.1	12.3	14.8	15.0	5.5	6.2	5.7	6.1
75 years and over.....	34.6	31.9	31.7	30.9	14.9	15.4	18.5	18.7	9.0	10.3	12.2	10.6
Race ^{4,6}												
White only.....	12.2	11.7	11.7	11.2	5.2	5.4	6.0	6.3	2.2	2.2	2.5	2.3
Black or African American only.....	11.4	10.9	10.2	10.7	3.5	3.4	4.4	5.1	3.3	3.4	3.6	4.1
American Indian or Alaska Native only.....	18.6	14.2	11.1	12.5	*6.5	*	*4.3	6.5	*5.0	*2.6	*	*4.7
Asian only.....	6.9	7.3	6.0	7.2	2.4	*2.0	3.1	3.0	*1.2	*2.7	2.1	2.4
Native Hawaiian or Other Pacific Islander only.....	---	*	*	*	---	*	*	*	---	*	*	*
2 or more races.....	---	16.8	16.9	16.7	---	*4.5	5.8	7.9	---	*4.4	*4.1	*3.9
Hispanic origin and race ^{4,6}												
Hispanic or Latino.....	8.7	8.0	8.5	8.4	2.9	2.9	3.7	3.4	2.1	2.5	2.6	2.7
Not Hispanic or Latino.....	7.5	7.5	8.3	8.4	3.0	2.6	3.6	3.2	2.5	2.8	2.5	2.6
White only.....	12.2	11.8	11.7	11.4	5.1	5.3	5.9	6.3	2.3	2.3	2.6	2.6
Black or African American only.....	12.5	12.0	12.1	11.7	5.4	5.7	6.3	6.7	2.2	2.2	2.4	2.3
Hispanic origin and race and percent of poverty level ^{4,6,9}	11.4	10.9	10.2	10.8	3.6	3.4	4.3	5.1	3.3	3.5	3.6	4.2
Education ^{7,8}												
No high school diploma or GED.....	15.1	14.3	14.9	14.6	5.3	5.2	5.8	5.8	3.9	3.7	4.4	4.4
High school diploma or GED.....	12.8	12.3	11.9	12.4	5.5	6.1	6.1	6.8	2.5	2.7	3.2	3.4
Some college or more.....	12.7	12.5	12.4	11.9	6.0	6.0	6.9	7.4	2.1	2.2	2.3	2.3
Percent of poverty level ^{4,9}												
Below 100%.....	15.3	14.7	14.0	13.9	4.9	5.4	6.2	5.3	4.3	3.6	4.4	4.6
100%-199%.....	13.2	12.5	13.0	12.3	4.8	5.0	5.8	5.9	3.1	3.4	3.9	3.7
200%-399%.....	11.5	11.3	11.7	11.3	4.9	5.3	5.4	6.2	2.1	2.2	2.5	2.5
400% or more.....	11.0	10.6	10.0	9.8	5.2	5.1	5.8	6.2	1.6	1.7	1.6	1.5
Hispanic origin and race and percent of poverty level ^{4,6,9}												
Hispanic or Latino:												
Below 100%.....	9.7	8.8	11.0	9.4	2.2	2.7	5.0	2.9	3.0	2.3	3.8	3.4
100%-199%.....	8.7	8.9	9.6	8.3	2.8	2.2	3.2	2.6	2.2	3.0	2.6	3.2
200%-399%.....	8.4	7.3	7.1	8.5	2.7	*3.5	3.2	4.7	*1.8	*2.6	*2.2	2.2
400% or more.....	8.4	6.6	8.0	7.5	*5.5	*	3.6	3.3	*	*	*2.7	*2.1
Not Hispanic or Latino:												
White only:												
Below 100%.....	17.8	16.9	16.0	15.8	6.3	7.1	8.0	6.8	4.4	3.5	4.3	4.4
100%-199%.....	14.1	13.6	14.7	13.8	5.6	6.0	7.4	7.3	3.2	3.3	4.1	3.6
200%-399%.....	12.2	12.0	12.9	11.8	5.2	5.8	6.0	6.8	2.1	2.2	2.6	2.3
400% or more.....	11.3	11.0	10.5	10.2	5.4	5.3	6.0	6.6	1.6	1.7	1.5	1.4
Black or African American only:												
Below 100%.....	14.6	14.5	13.2	14.7	4.4	3.8	4.6	4.5	5.0	4.5	5.5	6.2
100%-199%.....	12.9	11.9	11.3	11.2	3.3	3.6	3.5	5.2	4.2	4.6	4.7	4.6
200%-399%.....	9.2	9.8	9.3	10.5	3.2	3.0	4.4	5.3	2.5	3.1	2.7	3.9
400% or more.....	9.5	8.1	7.7	7.3	4.0	*3.7	5.4	5.6	*	*	*2.6	*2.1
Geographic region ⁴												
Northeast.....	11.6	10.8	10.9	10.1	4.5	4.9	6.1	5.6	1.8	1.7	2.4	2.0
Midwest.....	12.1	12.2	12.4	11.5	5.1	5.2	5.5	6.7	2.3	2.4	2.5	2.6
South.....	12.5	11.9	11.7	12.1	5.0	5.2	5.8	6.2	2.6	2.7	3.0	2.9
West.....	11.1	10.5	9.9	9.9	5.1	5.0	5.3	5.5	2.1	2.4	2.2	2.4
Location of residence ⁴												
Within MSA ¹⁰	11.7	11.1	10.8	10.8	4.9	5.0	5.6	5.9	2.2	2.3	2.5	2.4
Outside MSA ¹⁰	12.8	12.9	14.1	13.0	5.1	5.5	6.2	6.7	2.7	2.5	2.9	3.4

*Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%-30%. Data not shown have an RSE of greater than 30%. ---Data not available.

¹Heart disease is based on self-reported responses to questions about whether respondents had ever been told by a doctor or other health professional that they had coronary heart disease, angina (angina pectoris), a heart attack (myocardial infarction), or any other kind of heart disease or heart condition.

²Cancer is based on self-reported responses to a question about whether respondents had ever been told by a doctor or other health professional that they had cancer or a malignancy of any kind. Excludes squamous cell and basal cell carcinomas.

³Stroke is based on self-reported responses to a question about whether respondents had ever been told by a doctor or other health professional that they had a stroke.

⁴Estimates are age-adjusted to the year 2000 standard population using five age groups: 18-44 years, 45-54 years, 55-64 years, 65-74 years, and 75 years and over.

⁵Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure.

⁶See Appendix II, Age adjustment.

⁷Includes all other races not shown separately and unknown education level.

⁸The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single-race categories

plus multiple-race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups, and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single-race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race.

⁹Starting with 2003 data, race responses of other race and unspecified multiple race were

Starting with 2003 data, race responses of other race and unspecified multiple race were

treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin: Race.

⁷Estimates are for persons 25 years of age and over and are age-adjusted to the year 2000 standard population using five age groups: 25-44 years, 45-54 years, 55-64 years, 65-74 years, and 75 years and over. See Appendix II, Age adjustment.

⁸GED is General Educational Development high school equivalency diploma. See Appendix II, Education.

⁹Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 1997-1998 and beyond. See Appendix II, Family income: Poverty: Table VI.

¹⁰MSA is metropolitan statistical area. Starting with 2006 data, MSA status is determined using 2000 census data and the 2000 standards for defining MSAs. For data prior to 2006, see Appendix II, Metropolitan statistical area (MSA) for the applicable standards.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: <http://www.cdc.gov/nchs/hus.htm>. Data have been revised and differ from previous editions of *Health, United States*. Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Health Interview Survey, family core and sample adult questionnaires. See Appendix I, National Health Interview Survey (NHIS).

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