

Table 39. Number of respondent-reported chronic conditions from 10 selected conditions among adults aged 18 and over, by selected characteristics: United States, selected years 2002–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#039>.

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of respondent-reported chronic conditions from 10 selected conditions ¹											
	0–1 chronic conditions				2–3 chronic conditions				4 or more chronic conditions			
	2002	2010	2015	2016	2002	2010	2015	2016	2002	2010	2015	2016
	Percent distribution											
Total, age-adjusted ^{2,3}	78.5	75.4	76.7	76.2	17.9	19.9	18.8	19.4	3.6	4.6	4.5	4.4
Total, crude ²	78.5	74.0	74.1	73.3	17.9	21.1	20.7	21.7	3.6	4.9	5.1	5.0
Age												
18–64 years	85.1	81.3	82.6	81.9	12.9	16.0	14.7	15.6	2.0	2.8	2.7	2.5
18–44 years	93.3	92.2	92.8	93.1	6.2	7.2	6.7	6.4	0.5	0.6	0.5	0.6
18–24 years	96.4	96.6	97.2	97.2	3.5	3.3	2.8	2.6	*	*	*	0.2
25–44 years	92.3	90.7	91.3	91.6	7.1	8.6	8.1	7.7	0.7	0.8	0.7	0.7
45–64 years	71.4	66.2	68.8	66.7	24.2	28.1	25.5	28.1	4.4	5.7	5.7	5.2
45–54 years	78.4	74.1	77.3	74.2	18.6	22.3	19.3	22.1	3.1	3.6	3.3	3.8
55–64 years	60.9	56.4	59.8	59.0	32.7	35.3	32.0	34.3	6.4	8.3	8.2	6.7
65 years and over	44.6	37.9	38.4	38.3	43.4	46.5	46.3	46.6	12.0	15.6	15.3	15.0
65–74 years	47.6	41.2	42.5	41.4	41.4	45.5	44.4	45.2	11.0	13.2	13.1	13.4
75 years and over	41.1	33.8	32.4	33.8	45.8	47.7	49.0	48.8	13.2	18.6	18.5	17.4
Sex ³												
Male	79.7	76.2	77.4	77.0	16.5	19.3	18.1	18.9	3.8	4.5	4.6	4.1
Female	77.3	74.7	76.1	75.4	19.1	20.5	19.4	19.9	3.6	4.8	4.5	4.6
Race ^{3,4}												
White only	78.8	76.0	77.1	76.5	17.7	19.5	18.5	19.2	3.5	4.5	4.4	4.3
Black or African American only	74.3	70.4	71.9	72.0	21.3	23.8	22.5	22.2	4.4	5.8	5.6	5.8
American Indian or Alaska Native only	69.5	64.7	71.5	71.1	25.5	28.8	20.1	24.1	*	*	*8.4	*
Asian only	86.5	82.9	83.5	83.9	11.3	14.4	14.7	14.3	*	2.8	*1.8	1.7
Native Hawaiian or Other Pacific Islander only	*	*	*	77.4	*	*	*	20.4	*	*	*	*
2 or more races	72.3	66.6	72.5	72.4	20.2	23.2	17.1	20.0	*7.6	*10.2	10.4	7.6
Hispanic origin and race ^{3,4}												
Hispanic or Latino	82.2	78.0	79.7	78.2	14.8	17.9	16.2	17.4	3.0	4.1	4.1	4.4
Mexican	81.8	77.7	79.2	78.4	15.0	18.0	16.3	17.3	3.2	4.3	4.5	4.4
Not Hispanic or Latino	78.0	75.1	76.3	75.8	18.3	20.2	19.2	19.8	3.7	4.7	4.6	4.4
White only	78.3	75.6	76.4	76.2	18.1	19.8	19.1	19.6	3.6	4.5	4.5	4.2
Black or African American only	74.3	70.1	71.9	71.4	21.3	24.0	22.6	22.8	4.4	5.8	5.5	5.9
Percent of poverty level ^{3,5}												
Below 100%	71.9	69.2	68.1	67.9	21.3	22.7	23.3	24.0	6.8	8.1	8.6	8.1
100%–199%	76.4	72.6	73.3	71.5	18.6	21.0	20.6	22.6	5.0	6.4	6.1	5.9
200%–399%	77.8	75.6	76.6	76.8	18.9	19.9	18.9	18.9	3.3	4.5	4.5	4.4
400% or more	81.2	78.3	80.5	79.5	15.9	18.7	16.6	17.5	2.8	3.0	2.9	3.0
Health insurance status at the time of interview ^{6,7}												
18–64 years:												
Insured	85.1	82.5	84.4	83.8	13.0	15.0	13.4	14.0	1.9	2.5	2.3	2.2
Private	86.9	84.9	87.3	86.8	11.8	13.6	11.4	12.0	1.2	1.5	1.3	1.2
Medicaid	69.2	69.6	71.9	73.1	22.3	22.3	21.1	21.1	8.5	8.1	6.9	5.8
Uninsured	87.5	85.9	88.0	86.0	10.7	12.4	10.4	12.5	1.8	1.7	1.5	1.5

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[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of respondent-reported chronic conditions from 10 selected conditions ¹											
	0–1 chronic conditions				2–3 chronic conditions				4 or more chronic conditions			
	2002	2010	2015	2016	2002	2010	2015	2016	2002	2010	2015	2016
Geographic region ³	Percent distribution											
Northeast	79.4	77.7	78.4	76.9	17.4	18.1	18.0	19.5	3.1	4.1	3.5	3.6
Midwest	78.4	73.7	75.0	74.8	17.9	21.2	19.8	20.2	3.7	5.1	5.3	5.0
South	77.3	73.9	75.9	75.2	18.6	21.0	19.2	20.0	4.0	5.2	4.9	4.8
West	79.7	77.6	78.7	78.5	17.0	18.5	17.5	17.9	3.3	3.9	3.8	3.7
Location of residence ^{3,8}												
Within MSA	79.1	76.1	77.6	76.8	17.5	19.5	18.2	18.9	3.4	4.4	4.3	4.2
Outside MSA	76.0	71.7	72.0	72.3	19.6	22.6	22.2	22.6	4.4	5.7	5.8	5.1

* Estimates are considered unreliable. Starting with 2016 data, the reliability of survey percentage estimates was assessed using new multistep National Center for Health Statistics data presentation standards for proportions. Prior to 2016 data, the reliability of estimates for earlier years was evaluated based on relative standard errors (RSE). Data preceded by an asterisk have an RSE of 20%–30%. Data not shown have an RSE greater than 30%. For more information, see Appendix II, Data presentation standards for proportions; Relative standard error (RSE).

¹Adults were categorized as having 0–1, 2–3, or 4 or more of the following chronic conditions: hypertension, coronary heart disease, stroke, diabetes, cancer, arthritis, hepatitis, weak or failing kidneys, chronic obstructive pulmonary disease, or current asthma. Data from the National Health Interview Survey capture 10 of 20 chronic conditions used in a standardized approach for defining chronic conditions in the United States. Thus, these estimates are conservative in nature. For more information, see: Goodman RA, Posner SF, Huang ES, Parekh AK, Koh HK. Defining and measuring chronic conditions: Imperatives for research, policy, program, and practice. *Prev Chronic Dis* 10: E66. 2013. Available from: https://www.cdc.gov/pcd/issues/2013/12_0239.htm, and Ward BW, Schiller JS. Prevalence of multiple chronic conditions among US adults: Estimates from the National Health Interview Survey, 2010. *Prev Chronic Dis* 10: E65. 2013. Available from: https://www.cdc.gov/pcd/issues/2013/12_0203.htm.

²Includes all other races not shown separately and unknown health insurance status.

³Estimates 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. See Appendix II, Age adjustment.

⁴The 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. Race-specific estimates are tabulated according to the 1997 *Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity*. The five single-race categories and multiple-race categories shown in the table conform to the 1997 Standards. 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. 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.

⁵Percent 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. See Appendix II, Family income; Poverty; Table VII.

⁶Estimates are age-adjusted to the year 2000 standard population using three age groups: 18–44 years, 45–54 years, and 55–64 years. See Appendix II, Age adjustment.

⁷Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. State-sponsored health plan coverage is included as Medicaid coverage. Coverage by the Children's Health Insurance Program (CHIP) is included with Medicaid coverage. In addition to private and Medicaid, the insured category also includes military plans, other government-sponsored health plans, and Medicare, not shown separately. Persons not covered by private insurance, Medicaid, CHIP, state-sponsored or other government-sponsored health plans (starting in 1997), Medicare, or military plans are considered to have no health insurance coverage. Persons with only Indian Health Service coverage are considered to have no health insurance coverage. See Appendix II, Children's Health Insurance Program (CHIP); Health insurance coverage.

⁸MSA is metropolitan statistical area. Starting with 2016 data, MSA status is determined using 2010 Census data and the 2010 standards for defining MSAs. For more information, including the definition prior to 2016, see Appendix II, Metropolitan statistical area (MSA) for the applicable standards.

NOTES: Standard errors are available in the spreadsheet version of this table. Data for additional years are available. See the Excel spreadsheet on the *Health, United States* website at: <https://www.cdc.gov/nchs/hus.htm>.

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