

**Table 57. Selected measures of disability and health status among adults aged 18-64, by urbanization level and selected characteristics: United States, average annual, 2002-2004 through 2009-2011**

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

Urbanization level <sup>1</sup> and selected characteristic	Any basic actions difficulty or complex activity limitation <sup>2</sup>			Fair or poor respondent-assessed health status <sup>3</sup>		
	2002-2004	2005-2007	2009-2011	2002-2004	2005-2007	2009-2011
Geographic region <sup>4</sup>						
All regions:						
Metropolitan counties:						
Large central.....	21.5	21.8	23.1	8.7	9.0	9.8
Large fringe.....	22.4	23.1	24.9	6.9	7.1	8.1
Medium and small.....	27.4	27.3	28.3	9.6	9.8	11.0
Nonmetropolitan counties:						
Micro metropolitan.....	30.4	31.2	32.6	11.4	12.4	13.7
Nonmicro metropolitan.....	30.9	33.7	36.1	14.0	14.6	15.7
Northeast:						
Metropolitan counties:						
Large central.....	20.1	21.0	22.0	9.0	10.1	9.3
Large fringe.....	22.3	22.8	23.5	6.9	6.1	6.9
Medium and small.....	25.9	24.6	28.4	7.6	7.5	9.3
Nonmetropolitan counties:						
Micro metropolitan.....	31.0	31.0	35.5	9.7	9.8	12.1
Nonmicro metropolitan.....	27.4	34.1	33.0	8.9	10.6	10.2
Midwest:						
Metropolitan counties:						
Large central.....	26.1	25.7	26.6	8.9	8.8	10.8
Large fringe.....	24.4	26.2	26.1	6.3	8.0	8.2
Medium and small.....	28.1	27.1	27.2	8.1	8.1	9.8
Nonmetropolitan counties:						
Micro metropolitan.....	27.0	28.3	28.7	8.0	9.8	11.7
Nonmicro metropolitan.....	28.6	29.1	31.7	9.1	10.9	10.7
South:						
Metropolitan counties:						
Large fringe.....	20.9	21.4	23.7	7.1	7.2	8.7
Medium and small.....	27.8	28.0	29.9	11.9	11.9	12.9
Nonmetropolitan counties:						
Micro metropolitan.....	32.3	31.4	33.7	14.3	14.6	15.3
Nonmicro metropolitan.....	34.7	36.5	41.9	20.2	18.2	22.6
West:						
Metropolitan counties:						
Large central.....	20.0	19.9	21.4	8.3	7.9	9.0
Large fringe.....	23.1	23.0	28.1	7.3	7.7	8.7
Medium and small.....	26.8	28.3	26.7	8.7	9.4	10.0
Nonmetropolitan counties:						
Micro metropolitan.....	30.8	37.1	35.0	10.9	13.1	14.1
Nonmicro metropolitan.....	*24.2	36.1	33.0	*7.6	14.1	12.1
Age						
18-44 years:						
Metropolitan counties:						
Large central.....	15.4	15.1	15.9	5.3	5.6	6.1
Large fringe.....	16.1	16.2	17.9	4.3	4.3	5.2
Medium and small.....	20.0	19.0	20.0	6.0	6.0	6.6
Nonmetropolitan counties:						
Micro metropolitan.....	22.5	21.6	21.8	6.6	7.3	8.1
Nonmicro metropolitan.....	21.5	23.4	24.0	9.3	8.5	8.8
45-64 years:						
Metropolitan counties:						
Large central.....	33.2	33.7	34.9	15.1	15.1	15.6
Large fringe.....	32.2	33.0	33.7	10.9	11.2	11.9
Medium and small.....	39.0	39.8	40.1	15.3	15.3	17.0
Nonmetropolitan counties:						
Micro metropolitan.....	42.0	42.8	45.8	18.4	19.0	20.4
Nonmicro metropolitan.....	42.6	45.2	49.2	20.0	21.3	23.3
Sex						
Men:						
Metropolitan counties:						
Large central.....	18.2	18.9	19.7	7.6	8.3	8.9
Large fringe.....	19.7	20.3	21.9	6.3	6.6	7.6
Medium and small.....	23.8	24.9	25.5	8.9	8.9	10.4
Nonmetropolitan counties:						
Micro metropolitan.....	28.3	28.2	29.9	11.2	11.8	13.0
Nonmicro metropolitan.....	28.5	31.0	33.1	13.5	14.7	14.3
Sex						
Women:						
Metropolitan counties:						
Large central.....	24.8	24.6	26.5	9.8	9.7	10.6
Large fringe.....	25.0	25.8	27.8	7.5	7.7	8.5
Medium and small.....	30.8	29.7	31.0	10.3	10.5	11.5
Nonmetropolitan counties:						
Micro metropolitan.....	32.3	34.1	35.1	11.6	13.0	14.3

Nonmetropolitan.....	33.2	36.4	38.9	14.5	14.5	17.1
Hispanic origin and race <sup>5</sup>						
Hispanic or Latino:						
Metropolitan counties:						
Large central.....	17.7	17.9	20.5	10.4	11.3	11.6
Large fringe.....	18.3	17.5	21.5	9.0	8.1	9.9
Medium and small.....	21.5	23.6	24.1	11.6	11.2	12.2
Nonmetropolitan counties:						
Micropolitan.....	23.1	22.8	22.0	13.1	10.6	10.5
Nonmetropolitan.....	21.8	29.4	30.8	10.3	13.8	12.8
Not Hispanic or Latino:						
White only:						
Metropolitan counties:						
Large central.....	22.4	23.1	23.4	6.4	6.5	7.5
Large fringe.....	23.5	24.3	26.3	6.5	6.8	7.3
Medium and small.....	27.8	27.8	28.3	8.7	8.9	9.8
Nonmetropolitan counties:						
Micropolitan.....	30.6	31.8	32.7	10.5	11.8	13.3
Nonmetropolitan.....	30.9	33.4	36.0	13.1	13.7	15.3
Black or African American only:						
Metropolitan counties:						
Large central.....	26.9	27.5	30.4	13.6	14.3	15.0
Large fringe.....	21.0	23.1	25.1	8.8	9.1	11.0
Medium and small.....	30.5	29.1	34.2	14.5	15.5	16.5
Nonmetropolitan counties:						
Micropolitan.....	33.8	31.4	37.1	18.7	17.4	18.5
Nonmetropolitan.....	31.6	37.6	43.0	23.3	26.4	28.2
Percent of poverty level <sup>6</sup>						
Below 100%:						
Metropolitan counties:						
Large central.....	31.8	31.4	32.1	19.7	18.6	19.4
Large fringe.....	33.2	38.9	38.6	17.4	19.1	20.8
Medium and small.....	38.8	37.8	40.2	21.1	20.1	22.6
Nonmetropolitan counties:						
Micropolitan.....	42.0	46.8	47.1	23.1	23.8	26.9
Nonmetropolitan.....	47.6	51.8	55.9	27.8	31.3	31.9
100%-199%:						
Metropolitan counties:						
Large central.....	24.7	25.2	28.8	12.7	13.3	14.5
Large fringe.....	30.8	31.1	34.3	13.6	14.1	15.2
Medium and small.....	32.9	33.8	34.6	15.1	15.5	17.0
Nonmetropolitan counties:						
Micropolitan.....	38.2	39.0	38.5	17.2	19.3	18.9
Nonmetropolitan.....	39.5	40.8	43.3	19.8	19.6	22.0
200%-399%:						
Metropolitan counties:						
Large central.....	20.3	20.4	21.3	7.9	8.3	8.7
Large fringe.....	23.8	23.2	26.0	7.5	7.3	8.4
Medium and small.....	27.3	26.3	28.0	8.5	8.7	9.5
Nonmetropolitan counties:						
Micropolitan.....	27.1	28.0	29.7	8.7	10.1	11.0
Nonmetropolitan.....	26.6	29.0	31.2	10.9	10.8	11.1
Percent of poverty level <sup>6</sup>						
400% or more:						
Metropolitan counties:						
Large central.....	17.6	17.7	17.9	4.0	4.4	4.3
Large fringe.....	18.4	19.0	19.2	3.7	3.9	3.8
Medium and small.....	21.2	21.1	20.8	4.5	4.5	4.7
Nonmetropolitan counties:						
Micropolitan.....	22.8	22.4	22.6	4.8	5.3	5.1
Nonmetropolitan.....	20.0	23.4	23.2	5.2	5.9	6.0
Geographic region <sup>4</sup>						
Percent of population, age-adjusted <sup>7</sup>						
All regions:						
Metropolitan counties:						
Large central.....	22.0	22.1	23.0	8.9	9.1	9.7
Large fringe.....	21.9	22.2	23.6	6.7	6.8	7.6
Medium and small.....	27.0	26.7	27.6	9.4	9.5	10.6
Nonmetropolitan counties:						
Micropolitan.....	29.8	29.4	30.8	10.9	11.6	12.7
Nonmetropolitan.....	29.1	31.2	33.2	13.2	13.1	14.1
Northeast:						
Metropolitan counties:						
Large central.....	20.0	20.9	21.5	8.9	10.1	9.1
Large fringe.....	21.3	21.7	22.0	6.6	5.8	6.4
Medium and small.....	24.6	23.1	26.4	7.1	7.2	8.6
Nonmetropolitan counties:						
Micropolitan.....	31.0	29.4	33.3	9.4	9.1	10.9
Nonmetropolitan.....	24.8	32.9	29.0	8.2	9.6	9.0
Midwest:						
Metropolitan counties:						
Large central.....	26.3	26.4	26.8	9.1	9.0	10.8
Large fringe.....	24.0	25.4	24.7	6.2	7.6	7.7
Medium and small.....	28.2	26.9	26.9	8.1	8.0	9.5
Nonmetropolitan counties:						
Micropolitan.....	26.5	26.8	27.3	7.7	9.1	11.1

Nonmetropolitan.....	26.9	26.8	29.5	8.5	9.5	9.5
South:						
Metropolitan counties:						
Large central.....	22.0	22.4	23.9	9.1	10.3	10.5
Large fringe.....	20.7	20.9	22.6	7.0	6.8	8.2
Medium and small.....	27.4	27.4	29.2	11.6	11.6	12.3
Nonmetropolitan counties:						
Metropolitan.....	31.4	29.8	32.0	13.7	13.8	14.1
Nonmetropolitan.....	33.1	34.2	38.9	19.4	16.6	20.3
West:						
Metropolitan counties:						
Large central.....	20.8	19.9	21.3	8.7	7.9	8.9
Large fringe.....	22.6	21.7	27.2	7.1	7.3	8.3
Medium and small.....	26.6	27.8	26.4	8.6	9.2	9.8
Nonmetropolitan counties:						
Metropolitan.....	30.1	34.5	32.4	10.3	12.1	12.6
Nonmetropolitan.....	*22.7	32.4	29.7	*7.3	13.0	11.1

Sex

Men:						
Metropolitan counties:						
Large central.....	18.7	19.3	19.9	7.9	8.5	8.9
Large fringe.....	19.4	19.7	20.8	6.1	6.2	7.2
Medium and small.....	23.5	24.4	24.9	8.7	8.7	10.0
Nonmetropolitan counties:						
Metropolitan.....	27.6	26.6	28.3	10.7	10.9	12.0
Nonmetropolitan.....	27.1	28.5	30.4	12.8	13.1	12.7
Women:						
Metropolitan counties:						
Large central.....	25.1	24.8	26.0	9.9	9.8	10.5
Large fringe.....	24.2	24.6	26.3	7.2	7.3	8.0
Medium and small.....	30.3	28.9	30.1	10.1	10.2	11.1
Nonmetropolitan counties:						
Metropolitan.....	31.7	32.1	33.3	11.2	12.2	13.4
Nonmetropolitan.....	31.1	33.8	35.9	13.6	13.1	15.5

Hispanic origin and race<sup>5</sup>

Percent of population, age-adjusted<sup>7</sup>

Hispanic or Latino:						
Metropolitan counties:						
Large central.....	19.9	19.9	22.1	12.4	12.8	12.6
Large fringe.....	20.9	19.2	22.7	10.7	9.3	10.9
Medium and small.....	24.3	26.1	26.2	13.7	13.0	13.5
Nonmetropolitan counties:						
Metropolitan.....	26.0	24.7	25.7	15.5	12.7	12.1
Nonmetropolitan.....	27.5	30.0	33.0	12.3	14.5	14.1
Not Hispanic or Latino:						
White only:						
Metropolitan counties:						
Large central.....	21.8	22.3	22.5	6.1	6.2	7.1
Large fringe.....	22.3	22.7	24.4	6.0	6.2	6.7
Medium and small.....	26.9	26.6	27.0	8.3	8.3	9.1
Nonmetropolitan counties:						
Metropolitan.....	29.6	29.4	30.4	9.9	10.8	12.0
Nonmetropolitan.....	28.7	30.7	32.7	12.1	12.1	13.5
Black or African American only:						
Metropolitan counties:						
Large central.....	27.4	27.8	30.3	13.8	14.5	15.0
Large fringe.....	22.0	23.3	25.4	9.4	9.2	11.0
Medium and small.....	30.9	29.7	34.0	15.0	16.0	16.6
Nonmetropolitan counties:						
Metropolitan.....	34.0	31.6	36.5	18.6	17.3	18.1
Nonmetropolitan.....	33.3	32.5	43.2	24.1	24.6	26.4

Percent of poverty level<sup>6</sup>

Below 100%:						
Metropolitan counties:						
Large central.....	36.3	37.2	37.0	23.5	22.6	22.4
Large fringe.....	39.4	43.5	42.2	20.9	22.0	23.3
Medium and small.....	45.3	45.1	46.6	25.6	25.0	27.3
Nonmetropolitan counties:						
Metropolitan.....	48.7	51.1	52.2	27.3	26.3	29.9
Nonmetropolitan.....	49.9	51.3	56.1	29.5	31.5	31.9
100%-199%:						
Metropolitan counties:						
Large central.....	27.9	28.2	30.9	14.6	15.0	15.7
Large fringe.....	33.0	31.8	35.4	14.8	14.7	15.9
Medium and small.....	36.0	36.6	37.1	16.9	17.2	18.4
Nonmetropolitan counties:						
Metropolitan.....	39.4	39.3	38.8	18.0	19.9	18.7
Nonmetropolitan.....	39.4	39.9	41.9	19.8	18.6	21.0
200%-399%:						
Metropolitan counties:						
Large central.....	21.4	20.9	21.6	8.4	8.6	8.8
Large fringe.....	24.0	23.5	25.6	7.6	7.3	8.2
Medium and small.....	27.6	26.2	27.6	8.6	8.6	9.3
Nonmetropolitan counties:						

Micropolitan.....	26.9	26.6	27.8	8.5	9.5	9.9
Nonmicropolitan.....	25.0	26.3	28.1	10.2	9.5	9.5
400% or more:						
Metropolitan counties:						
Large central.....	16.7	16.7	16.4	3.8	4.0	3.8
Large fringe.....	17.0	17.5	16.9	3.4	3.5	3.2
Medium and small.....	19.3	18.3	18.3	3.9	3.7	4.0
Nonmetropolitan counties:						
Micropolitan.....	19.9	17.8	18.2	3.9	4.2	4.3
Nonmicropolitan.....	16.1	19.1	18.6	4.3	4.8	4.6

\*Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20%-30%.

<sup>1</sup>Urbanization levels were developed by NCHS using information from the Office of Management and Budget, Department of Agriculture, and Census Bureau. More information on this urban-rural classification scheme is available from: [http://www.cdc.gov/nchs/data\\_access/urban\\_rural.htm](http://www.cdc.gov/nchs/data_access/urban_rural.htm).

The classification codes were applied to county-level data and then aggregated into the five categories presented here. See Appendix II, Urbanization.

<sup>2</sup>Any basic actions difficulty or complex activity limitation is defined as having one or more of the following limitations or difficulties: movement difficulty, emotional difficulty, sensory (seeing or hearing) difficulty, cognitive difficulty, self-care (activities of daily living or instrumental activities of daily living) limitation, social limitation, or work limitation. For more information, see Appendix II, Basic actions difficulty; Complex activity limitation. Starting with 2007 data, the hearing question, a component of the basic actions difficulty measure, was revised. Consequently, data prior to 2007 are not comparable with data for 2007 and beyond. For more information on the impact of the revised hearing question, see Appendix II, Hearing trouble. See related Table 54.

<sup>3</sup>Based on responses to the question, "Would you say person's health in general is excellent, very good, good, fair, or poor?" See Appendix II, Health status, respondent-assessed.

<sup>4</sup>See Appendix II, Geographic region.

<sup>5</sup>Persons of Hispanic origin may be of any race.

In this table, data are presented for non-Hispanic white only and non-Hispanic black only race groups. 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*. The single-race categories shown in the table conform to the 1997 Standards. Race-specific estimates are for persons who reported only one racial

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.

<sup>6</sup>Percent 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 VI.

<sup>7</sup>Estimates are age-adjusted to the year 2000 standard population using four age groups: 18-24 years, 25-34 years, 35-44 years, and 45-64 years. See Appendix II, Age adjustment.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: <http://www.cdc.gov/nchs/hus.htm>.

SOURCE: CDC/NCHS, National Health Interview Survey, family core and sample adult questionnaires and the 2006 NCHS urban-rural classification scheme for counties. See Appendix I, National Health Interview Survey (NHIS) and [http://www.cdc.gov/nchs/data\\_access/urban\\_rural.htm](http://www.cdc.gov/nchs/data_access/urban_rural.htm).

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