

Table 42. Functional limitation among adults aged 18 and over, by selected characteristics: United States, selected years 2010–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#042>.

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

Characteristic	18 years and over				18–64 years				65 years and over			
	2010	2012	2015	2016	2010	2012	2015	2016	2010	2012	2015	2016
Level of difficulty ¹												
Number in millions												
A lot of difficulty or cannot do at all	18.8	18.0	21.1	20.2	10.8	10.7	11.8	11.8	8.0	7.3	9.3	8.5
Some difficulty	61.6	69.9	65.2	69.8	46.8	52.8	47.0	50.3	14.7	17.1	18.2	19.6
No difficulty	130.4	140.5	136.7	146.3	117.9	124.0	121.1	127.7	12.4	16.5	15.5	18.6
Percent of population reporting a lot of difficulty or cannot do at all												
Total, age-adjusted ^{2,3}	8.6	7.5	8.9	8.1	5.7	5.3	6.1	5.8	23.1	18.5	22.7	19.2
Total, crude ²	8.9	7.9	9.5	8.6	6.2	5.7	6.6	6.2	22.6	17.9	21.6	18.2
Sex												
Male	7.5	6.6	8.4	7.6	5.3	4.6	6.0	5.4	20.0	16.9	19.6	17.4
Female	10.2	9.1	10.5	9.5	7.0	6.8	7.2	7.0	24.8	18.8	23.2	18.8
Race ⁴												
White only	8.9	7.8	9.5	8.8	5.9	5.5	6.6	6.3	22.5	17.1	20.8	18.0
Black or African American only	10.5	9.8	9.5	8.9	8.9	7.4	7.1	7.1	21.1	24.7	24.4	18.9
American Indian or Alaska Native only	*	*	*17.5	12.8	*	*	*13.0	*	*	*	*	*
Asian only	*4.5	*4.3	5.2	4.2	*	*	*2.8	2.0	*21.8	*19.8	*19.9	17.8
Native Hawaiian or Other Pacific Islander only	*	*	*	*	*	*	*	*	*	*	*	*
2 or more races	*7.0	*13.3	*15.9	11.0	*	*13.3	*	10.5	*	*	*44.2	*
Hispanic origin and race ⁴												
Hispanic or Latino	7.4	7.4	8.1	8.0	5.3	5.9	6.3	6.2	31.0	24.0	24.0	21.3
Not Hispanic or Latino	9.1	8.0	9.7	8.7	6.3	5.7	6.6	6.2	22.0	17.5	21.3	17.8
White only	9.2	7.9	9.9	9.0	6.1	5.5	6.7	6.4	21.9	16.5	20.5	17.6
Black or African American only	10.5	9.5	9.7	8.7	8.8	7.2	7.2	6.7	21.4	23.8	24.4	19.9
Percent of poverty level ⁵												
Below 100%	15.6	14.7	16.0	16.2	13.3	11.5	12.7	13.6	33.7	39.6	37.0	33.8
100%–199%	14.3	12.2	14.7	14.0	9.5	8.5	10.5	10.1	32.0	26.4	30.5	27.4
200%–399%	7.7	7.2	10.2	7.8	4.8	4.7	6.5	4.9	18.2	16.0	22.8	17.3
400% or more	4.8	3.4	4.2	4.4	3.1	2.6	2.7	3.0	17.0	7.9	11.4	10.4
Location of residence ⁶												
Within MSA	8.1	7.1	8.8	8.1	5.5	5.0	6.1	5.9	22.5	17.2	21.0	17.6
Outside MSA	13.2	11.9	13.3	11.3	10.2	9.4	9.8	8.2	23.1	20.9	24.3	21.0
Percent of population reporting some difficulty												
Total, age-adjusted ^{2,3}	28.8	29.7	28.1	28.6	26.1	27.1	25.1	25.9	42.0	41.9	42.8	42.2
Total, crude ²	29.2	30.6	29.3	29.6	26.7	28.2	26.1	26.5	42.0	41.7	42.4	42.0
Sex												
Male	28.3	30.8	28.9	28.5	25.6	28.3	25.4	25.0	43.4	43.9	45.0	44.1
Female	30.1	30.4	29.6	30.5	27.7	28.1	26.8	27.9	40.8	39.9	40.2	40.2

Table 42. Functional limitation among adults aged 18 and over, by selected characteristics: United States, selected years 2010–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#042>.

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

Characteristic	18 years and over				18–64 years				65 years and over			
	2010	2012	2015	2016	2010	2012	2015	2016	2010	2012	2015	2016
Race⁴												
Percent of population reporting some difficulty												
White only	29.4	31.0	30.3	30.7	26.7	28.4	26.9	27.4	41.8	41.9	43.7	43.0
Black or African American only	29.7	29.0	26.9	25.7	27.1	27.1	24.9	23.7	46.3	40.9	39.3	36.7
American Indian or Alaska Native only	*27.4	*27.2	29.6	33.4	*27.6	*24.7	29.0	29.9	*	*	*	*
Asian only	24.5	24.8	20.7	23.1	23.6	22.7	19.0	21.7	*32.4	39.2	31.0	32.0
Native Hawaiian or Other Pacific Islander only	*	*	*	*	*	*	*	*	*	*	*	*
2 or more races	31.8	42.6	26.2	26.7	30.0	43.1	26.5	25.2	*55.2	*	*24.2	*
Hispanic origin and race⁴												
Hispanic or Latino	24.5	21.7	24.8	24.0	23.6	20.4	23.2	22.0	35.1	35.6	39.7	39.4
Not Hispanic or Latino	30.0	32.2	30.1	30.6	27.2	29.7	26.7	27.5	42.5	42.1	42.6	42.2
White only	30.3	32.9	31.6	32.2	27.4	30.3	27.8	28.8	42.2	42.3	44.0	43.3
Black or African American only	29.9	29.5	27.2	25.9	27.1	27.5	25.3	23.8	47.4	41.4	39.3	38.1
Percent of poverty level⁵												
Below 100%	28.6	31.4	30.7	31.2	27.3	31.4	29.1	29.7	39.2	31.9	41.0	41.5
100%–199%	31.0	31.2	31.0	32.7	28.1	28.2	28.4	30.2	41.9	42.4	40.9	41.2
200%–399%	31.2	30.7	29.1	30.0	27.8	27.6	25.4	26.0	44.0	42.2	42.0	43.3
400% or more	26.8	29.8	28.0	27.3	25.0	27.3	24.6	24.2	39.9	43.4	43.9	41.3
Location of residence⁶												
Within MSA	29.0	29.2	28.4	28.5	26.5	26.7	25.3	25.4	42.5	41.1	42.3	41.6
Outside MSA	30.5	37.8	34.2	35.9	27.6	36.0	31.5	33.4	40.0	44.0	42.7	43.7
Percent of population reporting no difficulty												
Total, age-adjusted ^{2,3}	62.6	62.8	62.9	63.3	68.2	67.6	68.7	68.3	35.0	39.7	34.5	38.6
Total, crude ²	61.9	61.5	61.3	61.9	67.2	66.1	67.3	67.3	35.4	40.4	36.1	39.9
Sex												
Male	64.2	62.5	62.7	63.9	69.2	67.1	68.7	69.6	36.6	39.2	35.4	38.5
Female	59.7	60.6	59.9	60.0	65.2	65.2	66.0	65.1	34.4	41.3	36.6	41.0
Race⁴												
White only	61.7	61.3	60.1	60.6	67.4	66.1	66.6	66.4	35.6	41.0	35.6	39.0
Black or African American only	59.8	61.2	63.7	65.5	64.0	65.5	68.0	69.1	32.6	34.4	36.2	44.4
American Indian or Alaska Native only	55.6	65.7	52.9	53.8	61.2	72.0	58.0	60.8	*	*	*	*
Asian only	71.0	71.0	74.1	72.7	73.8	75.3	78.2	76.3	45.8	41.0	49.1	50.2
Native Hawaiian or Other Pacific Islander only	*	*	*	*	*	*	*	*	*	*	*	*
2 or more races	61.3	44.1	58.0	62.2	64.7	43.6	62.5	64.4	*	*61.4	*31.6	*
Hispanic origin and race⁴												
Hispanic or Latino	68.0	70.9	67.1	68.1	71.2	73.7	70.5	71.8	34.0	40.5	36.3	39.4
Not Hispanic or Latino	60.9	59.9	60.2	60.7	66.4	64.6	66.6	66.3	35.5	40.4	36.0	39.9
White only	60.5	59.2	58.6	58.8	66.5	64.1	65.5	64.9	35.8	41.1	35.5	39.1
Black or African American only	59.5	61.0	63.1	65.4	64.0	65.3	67.5	69.5	31.2	34.8	36.3	42.0
Percent of poverty level⁵												
Below 100%	55.8	53.9	53.4	52.7	59.4	57.2	58.2	56.8	27.1	28.5	22.0	24.8
100%–199%	54.6	56.6	54.3	53.3	62.4	63.4	61.1	59.7	26.1	31.2	28.6	31.5
200%–399%	61.1	62.1	60.6	62.2	67.4	67.7	68.1	69.1	37.8	41.8	35.2	39.5
400% or more	68.5	66.7	67.7	68.3	72.0	70.1	72.7	72.7	43.1	48.8	44.6	48.3

Table 42. Functional limitation among adults aged 18 and over, by selected characteristics: United States, selected years 2010–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#042>.

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

Characteristic	18 years and over				18–64 years				65 years and over			
	2010	2012	2015	2016	2010	2012	2015	2016	2010	2012	2015	2016
Location of residence ⁶	Percent of population reporting no difficulty											
Within MSA	62.9	63.7	62.7	63.4	68.0	68.3	68.6	68.7	34.9	41.7	36.7	40.8
Outside MSA	56.3	50.3	52.4	52.9	62.2	54.6	58.7	58.4	36.9	35.1	33.0	35.4

--- Data not available.

* 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).

¹Functional limitation is defined by the reported level of difficulty in six functioning domains: seeing (even if wearing glasses), hearing (even if wearing hearing aids), mobility (walking or climbing stairs), communication (understanding or being understood by others), cognition (remembering or concentrating), and self-care (such as washing all over or dressing). Respondents with answers to one or more of the six questions were included in one of three mutually exclusive categories. Those responding "A lot of difficulty" or "Cannot do at all/unable to do" to at least one question were classified in the "A lot of difficulty/cannot do" category. Of the remaining, those responding "Some difficulty" to at least one question were classified in the "Some difficulty" category, and those responding "No difficulty" to at least one question were classified in the "No difficulty" category. Those responding "Don't know" or "Refused" to all six questions were excluded. During 2010–2016, 1%–8% of respondents were missing data and excluded. See Appendix II, Functional limitation. Different questions about vision and hearing limitations were used in separate tables on trends in vision limitations (Table 43) and hearing limitations (Table 44), respectively.

²Includes all other races not shown separately.

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. Estimates for adults aged 18–64 are age-adjusted to three groups: 18–44, 45–54, and 55–64. Estimates for adults aged 65 and over are age-adjusted to two groups: 65–74 and 75 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 in this table 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 for 1997 and beyond. See Appendix II, Family income; Poverty; Table VII.

⁶MSA 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, 2010 Quality of Life and 2011–2016 Functioning and Disability questionnaires. See Appendix I, National Health Interview Survey (NHIS).