

Table P-3a. Age-adjusted percentages (with standard errors) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	ADLs ¹	IADLs ¹
Total	2.3 (0.07)	4.1 (0.09)
Sex		
Male	1.9 (0.09)	3.2 (0.12)
Female	2.6 (0.09)	4.9 (0.13)
Age		
18-44 years	0.9 (0.06)	1.6 (0.08)
45-64 years	2.1 (0.11)	3.9 (0.15)
65-74 years	3.4 (0.22)	5.9 (0.29)
75 years and over	10.8 (0.50)	19.5 (0.67)
Race		
One race ²	2.2 (0.07)	4.1 (0.09)
White	2.1 (0.07)	3.9 (0.10)
Black or African American	3.5 (0.24)	6.0 (0.33)
American Indian or Alaska Native	3.3 (0.86)	8.3 (1.35)
Asian	1.9 (0.30)	2.8 (0.34)
Native Hawaiian or Other Pacific Islander	*	*
Two or more races ³	4.1 (0.86)	6.6 (0.88)
Black or African American, white	-	1.8 (0.78)
American Indian or Alaska Native, white	4.6 (1.07)	8.1 (1.41)
Hispanic or Latino origin ⁴ and race		
Hispanic or Latino	3.0 (0.24)	4.8 (0.30)
Mexican or Mexican American	2.8 (0.30)	4.7 (0.41)
Not Hispanic or Latino	2.2 (0.07)	4.1 (0.10)
White, single race	2.0 (0.07)	3.9 (0.11)
Black or African American, single race	3.5 (0.24)	5.9 (0.33)
Education ⁵		
Less than a high school diploma	4.9 (0.28)	8.3 (0.34)
High school diploma or GED ⁶	2.8 (0.14)	5.2 (0.21)
Some college	2.1 (0.12)	4.4 (0.19)
Bachelor's degree or higher	1.3 (0.10)	2.5 (0.14)

Table P-3a. Age-adjusted percentages (with standard errors) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	ADLs ¹	IADLs ¹
Family income ⁷		
Less than \$35,000	4.4 (0.18)	8.1 (0.23)
\$35,000 or more	1.5 (0.08)	2.6 (0.10)
\$35,000–\$49,999	1.9 (0.18)	3.5 (0.25)
\$50,000–\$74,999	1.7 (0.15)	3.0 (0.20)
\$75,000–\$99,999	1.6 (0.18)	2.8 (0.25)
\$100,000 or more	1.2 (0.13)	1.9 (0.16)
Poverty status ⁸		
Poor	5.7 (0.34)	11.1 (0.43)
Near poor	3.8 (0.19)	6.5 (0.25)
Not poor	1.5 (0.07)	2.6 (0.09)
Health insurance coverage ⁹		
Under 65:		
Private	0.5 (0.04)	1.0 (0.05)
Medicaid or other public	5.1 (0.29)	9.5 (0.40)
Other	4.8 (0.54)	8.5 (0.72)
Uninsured	0.7 (0.12)	1.3 (0.16)
65 and over:		
Private	4.9 (0.31)	10.1 (0.46)
Dual eligible	18.7 (1.37)	31.2 (1.74)
Medicare Advantage	5.8 (0.46)	10.7 (0.67)
Medicare only	7.4 (0.61)	12.3 (0.82)
Other coverage	9.4 (1.08)	13.5 (1.23)
Uninsured	*	*
Place of residence ¹⁰		
Large MSA	2.2 (0.09)	3.9 (0.13)
Small MSA	2.3 (0.12)	4.5 (0.18)
Not in MSA	2.6 (0.16)	4.6 (0.26)
Region		
Northeast	2.3 (0.17)	4.2 (0.23)
Midwest	2.0 (0.12)	4.1 (0.18)
South	2.4 (0.10)	4.2 (0.16)
West	2.3 (0.14)	4.0 (0.20)

Table P-3a. Age-adjusted percentages (with standard errors) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	ADLs ¹	IADLs ¹
Hispanic or Latino origin ⁴ , race, and sex		
Hispanic or Latino, male	2.2 (0.30)	3.6 (0.38)
Hispanic or Latina, female	3.6 (0.31)	5.7 (0.40)
Not Hispanic or Latino:		
White, single race, male	1.7 (0.09)	3.0 (0.13)
White, single race, female	2.2 (0.10)	4.6 (0.14)
Black or African American, single race, male	3.0 (0.36)	4.9 (0.46)
Black or African American, single race, female	3.8 (0.32)	6.7 (0.43)
Hispanic or Latino origin ⁴ , race, and poverty status		
Hispanic or Latino:		
Poor	5.1 (0.66)	8.6 (0.89)
Near poor	3.1 (0.47)	4.7 (0.62)
Not poor	1.9 (0.33)	3.0 (0.39)
Not Hispanic or Latino:		
White, single race		
Poor	5.8 (0.49)	12.2 (0.62)
Near poor	3.9 (0.26)	7.2 (0.36)
Not poor	1.4 (0.07)	2.5 (0.10)
Black or African American, single race		
Poor	5.9 (0.70)	11.7 (0.98)
Near poor	5.3 (0.64)	7.9 (0.74)
Not poor	2.4 (0.31)	3.5 (0.36)

* Estimate is considered unreliable, as specified in National Center for Health Statistics Data Presentation Standards for Proportions (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), and is not shown.

- Quantity zero.

¹ADLs are activities of daily living. Limitation in ADLs is based on the question, "Because of a physical, mental, or emotional problem, does [person] need the help of other persons with personal care needs, such as eating, bathing, dressing, or getting around inside the home?" Data in this table are shown only for persons aged 18 and over, although this question was asked of or about persons aged 3 years and over. IADLs are instrumental activities of daily living. Limitation in IADLs is based on the question, "Because of a physical, mental, or emotional problem, does [person] need the help of other persons in handling routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?" This question was asked of or about persons aged 18 years and over.

²Refers to persons who indicated only a single race group, including those of Hispanic or Latino origin.

³Refers to persons who indicated more than one race group, including those of Hispanic or Latino origin. Only two combinations of multiple race groups are shown due to small sample sizes for other combinations.

⁴Refers to persons who are of Hispanic or Latino origin and may be of any race or combination of races. "Not Hispanic or Latino" refers to persons who are not of Hispanic or Latino origin, regardless of race.

⁵Shown only for persons aged 25 and over. Estimates are age adjusted using the projected 2000 U.S. population as the standard population and using four age groups: 25-44, 45-64, 65-74, and 75 and over.

⁶GED is General Educational Development high school equivalency diploma.

⁷Includes persons who reported a dollar amount or who would not provide a dollar amount but provided an income interval.

⁸"Poor" persons are defined as having income 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.

⁹Based on a hierarchy of mutually exclusive categories. Persons with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes persons who had no coverage as well as those who 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.

¹⁰MSA is metropolitan statistical area. Large MSAs have a population of 1 million or more; small MSAs have a population of less than 1 million. "Not in MSA" consists of persons not living in a metropolitan statistical area.

NOTES: Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. This table is based on responses about persons aged 18 and over in the family. Data came from the Person file and were weighted using the Person weight. Unknowns for the columns were not included in the denominators when calculating percentages. "Total" includes other races not shown separately and persons with unknown education, family income, poverty status, and health insurance characteristics. Unless otherwise specified, estimates are age adjusted using the projected 2000 U.S. population as the standard population and using four age groups: 18-44, 45-64, 65-74, and 75 and over. Estimates for age groups are not age-adjusted. For more information on the data source, methods, and definitions used for this table, refer to Technical Notes for Summary Health Statistics Tables: National Health Interview Survey (available from <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>). Suggested citation: Lucas JW, Benson V. Tables of Summary Health Statistics for the U.S. Population: 2016 National Health Interview Survey. National Center for Health Statistics. 2018. Available from: <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2016.

Table P-3b. Frequencies (number in thousands) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	All persons aged 18 and over	ADLs ¹	IADLs ¹
Total	245,138	5,796	10,617
Sex			
Male	118,221	2,228	3,790
Female	126,917	3,568	6,827
Age			
18-44 years	113,399	991	1,847
45-64 years	83,702	1,725	3,278
65-74 years	28,498	966	1,692
75 years and over	19,540	2,114	3,801
Race			
One race ²	240,621	5,674	10,378
White	192,604	4,382	8,169
Black or African American	30,186	977	1,671
American Indian or Alaska Native	2,532	72	160
Asian	14,820	232	365
Native Hawaiian or Other Pacific Islander	479	10	*
Two or more races ³	4,517	123	240
Black or African American, white	867	-	*
American Indian or Alaska Native, white	1,665	72	137
Hispanic or Latino origin ⁴ and race			
Hispanic or Latino	38,781	879	1,370
Mexican or Mexican American	23,359	478	750
Not Hispanic or Latino	206,357	4,917	9,248
White, single race	157,729	3,606	6,983
Black or African American, single race	28,740	928	1,594
Education ⁵			
Less than a high school diploma	26,429	1,591	2,739
High school diploma or GED ⁶	54,194	1,717	3,152
Some college	59,474	1,236	2,579
Bachelor's degree or higher	72,239	799	1,524

Table P-3b. Frequencies (number in thousands) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	All persons aged 18 and over	ADLs ¹	IADLs ¹
Family income ⁷			
Less than \$35,000	60,347	2,925	5,531
\$35,000 or more	147,976	1,878	3,336
\$35,000–\$49,999	23,169	479	840
\$50,000–\$74,999	35,880	583	1,068
\$75,000–\$99,999	27,178	358	661
\$100,000 or more	61,749	457	767
Poverty status ⁸			
Poor	26,348	1,305	2,531
Near poor	39,638	1,607	2,831
Not poor	159,012	2,260	4,063
Health insurance coverage ⁹			
Under 65:			
Private	135,933	718	1,422
Medicaid or other public	26,462	1,349	2,509
Other	8,242	453	855
Uninsured	23,818	156	279
65 and over:			
Private	19,907	867	1,780
Dual eligible	3,208	599	1,000
Medicare Advantage	11,953	664	1,206
Medicare only	8,436	584	972
Other coverage	3,845	325	467
Uninsured	391	*	*
Place of residence ¹⁰			
Large MSA	138,378	3,022	5,331
Small MSA	72,563	1,746	3,479
Not in MSA	34,198	1,027	1,807
Region			
Northeast	46,197	1,134	2,069
Midwest	53,396	1,166	2,324
South	88,093	2,171	3,893
West	57,452	1,326	2,332

Table P-3b. Frequencies (number in thousands) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	All persons aged 18 and over	ADLs ¹	IADLs ¹
Hispanic or Latino origin ⁴ , race, and sex			
Hispanic or Latino, male	19,292	334	489
Hispanic or Latina, female	19,489	546	881
Not Hispanic or Latino:			
White, single race, male	76,590	1,423	2,464
White, single race, female	81,139	2,184	4,519
Black or African American, single race, male	12,958	336	571
Black or African American, single race, female	15,782	591	1,023
Hispanic or Latino origin ⁴ , race, and poverty status			
Hispanic or Latino:			
Poor	6,833	271	464
Near poor	10,152	249	366
Not poor	18,167	220	335
Not Hispanic or Latino:			
White, single race			
Poor	11,249	601	1,267
Near poor	20,907	978	1,864
Not poor	113,806	1,664	3,097
Black or African American, single race			
Poor	5,652	300	595
Near poor	5,634	297	439
Not poor	14,450	268	407

* Corresponding crude percentage for the frequency is considered unreliable, as specified in National Center for Health Statistics Data Presentation Standards for Proportions (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), so the frequency is not shown.

- Quantity zero.

¹ADLs are activities of daily living. Limitation in ADLs is based on the question, "Because of a physical, mental, or emotional problem, does [person] need the help of other persons with personal care needs, such as eating, bathing, dressing, or getting around inside the home?" Data in this table are shown only for persons aged 18 and over, although this question was asked of or about persons aged 3 years and over. IADLs are instrumental activities of daily living. Limitation in IADLs is based on the question, "Because of a physical, mental, or emotional problem, does [person] need the help of other persons in handling routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?" This question was asked of or about persons aged 18 years and over.

²Refers to persons who indicated only a single race group, including those of Hispanic or Latino origin.

³Refers to persons who indicated more than one race group, including those of Hispanic or Latino origin. Only two combinations of multiple race groups are shown due to small sample sizes for other combinations.

⁴Refers to persons who are of Hispanic or Latino origin and may be of any race or combination of races. "Not Hispanic or Latino" refers to persons who are not of Hispanic or Latino origin, regardless of race.

⁵Shown only for persons aged 25 and over.

⁶GED is General Educational Development high school equivalency diploma.

⁷Includes persons who reported a dollar amount or who would not provide a dollar amount but provided an income interval.

⁸"Poor" persons are defined as having income 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.

⁹Based on a hierarchy of mutually exclusive categories. Persons with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes persons who had no coverage as well as those who 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.

¹⁰MSA is metropolitan statistical area. Large MSAs have a population of 1 million or more; small MSAs have a population of less than 1 million. "Not in MSA" consists of persons not living in a metropolitan statistical area.

NOTES: Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. This table is based on responses about persons aged 18 and over in the family. Data came from the Person file and were weighted using the Person weight. Unknowns for the columns were not included in the frequencies, but they were included in the "All persons aged 18 and over" column. "Total" includes other races not shown separately and persons with unknown education, family income, poverty status, and health insurance characteristics. For more information on the data source, methods, and definitions used for this table, refer to Technical Notes for Summary Health Statistics Tables: National Health Interview Survey (available from <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>). Suggested citation: Lucas JW, Benson V. Tables of Summary Health Statistics for the U.S. Population: 2016 National Health Interview Survey. National Center for Health Statistics. 2018. Available from: <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2016.

Table P-3c. Crude percentages (with standard errors) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	ADLs ¹	IADLs ¹
Total	2.4 (0.07)	4.3 (0.10)
Sex		
Male	1.9 (0.09)	3.2 (0.12)
Female	2.8 (0.10)	5.4 (0.14)
Age		
18-44 years	0.9 (0.06)	1.6 (0.08)
45-64 years	2.1 (0.11)	3.9 (0.15)
65-74 years	3.4 (0.22)	5.9 (0.29)
75 years and over	10.8 (0.50)	19.5 (0.67)
Race		
One race ²	2.4 (0.07)	4.3 (0.10)
White	2.3 (0.08)	4.2 (0.11)
Black or African American	3.2 (0.23)	5.5 (0.31)
American Indian or Alaska Native	2.9 (0.72)	6.3 (1.14)
Asian	1.6 (0.27)	2.5 (0.31)
Native Hawaiian or Other Pacific Islander	2.1 (0.86)	*
Two or more races ³	2.7 (0.56)	5.3 (0.73)
Black or African American, white	-	*
American Indian or Alaska Native, white	4.3 (1.08)	8.3 (1.48)
Hispanic or Latino origin ⁴ and race		
Hispanic or Latino	2.3 (0.18)	3.5 (0.23)
Mexican or Mexican American	2.0 (0.23)	3.2 (0.29)
Not Hispanic or Latino	2.4 (0.07)	4.5 (0.11)
White, single race	2.3 (0.08)	4.4 (0.12)
Black or African American, single race	3.2 (0.23)	5.5 (0.32)
Education ⁵		
Less than a high school diploma	6.0 (0.33)	10.4 (0.42)
High school diploma or GED ⁶	3.2 (0.16)	5.8 (0.23)
Some college	2.1 (0.12)	4.3 (0.18)
Bachelor's degree or higher	1.1 (0.08)	2.1 (0.12)

Table P-3c. Crude percentages (with standard errors) of persons having limitation in activities of daily living and instrumental activities of daily living among persons aged 18 and over, by selected characteristics: United States, 2016

Selected characteristic	ADLs ¹	IADLs ¹
Family income ⁷		
Less than \$35,000	4.8 (0.20)	9.2 (0.26)
\$35,000 or more	1.3 (0.06)	2.3 (0.08)
\$35,000–\$49,999	2.1 (0.19)	3.6 (0.26)
\$50,000–\$74,999	1.6 (0.14)	3.0 (0.20)
\$75,000–\$99,999	1.3 (0.15)	2.4 (0.21)
\$100,000 or more	0.7 (0.08)	1.2 (0.10)
Poverty status ⁸		
Poor	5.0 (0.32)	9.6 (0.42)
Near poor	4.1 (0.21)	7.1 (0.28)
Not poor	1.4 (0.06)	2.6 (0.09)
Health insurance coverage ⁹		
Under 65:		
Private	0.5 (0.05)	1.0 (0.06)
Medicaid or other public	5.1 (0.29)	9.5 (0.40)
Other	5.5 (0.52)	10.4 (0.72)
Uninsured	0.7 (0.11)	1.2 (0.15)
65 and over:		
Private	4.4 (0.28)	8.9 (0.41)
Dual eligible	18.7 (1.42)	31.2 (1.80)
Medicare Advantage	5.6 (0.44)	10.1 (0.65)
Medicare only	6.9 (0.58)	11.5 (0.78)
Other coverage	8.5 (0.96)	12.2 (1.13)
Uninsured	*	*
Place of residence ¹⁰		
Large MSA	2.2 (0.09)	3.9 (0.13)
Small MSA	2.4 (0.12)	4.8 (0.19)
Not in MSA	3.0 (0.18)	5.3 (0.28)
Region		
Northeast	2.5 (0.19)	4.5 (0.26)
Midwest	2.2 (0.14)	4.4 (0.19)
South	2.5 (0.11)	4.4 (0.16)
West	2.3 (0.15)	4.1 (0.20)

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Selected characteristic	ADLs ¹	IADLs ¹
Hispanic or Latino origin ⁴ , race, and sex		
Hispanic or Latino, male	1.7 (0.23)	2.5 (0.26)
Hispanic or Latina, female	2.8 (0.26)	4.5 (0.34)
Not Hispanic or Latino:		
White, single race, male	1.9 (0.10)	3.2 (0.14)
White, single race, female	2.7 (0.12)	5.6 (0.18)
Black or African American, single race, male	2.6 (0.30)	4.4 (0.42)
Black or African American, single race, female	3.7 (0.32)	6.5 (0.43)
Hispanic or Latino origin ⁴ , race, and poverty status		
Hispanic or Latino:		
Poor	4.0 (0.52)	6.8 (0.71)
Near poor	2.5 (0.36)	3.6 (0.47)
Not poor	1.2 (0.20)	1.8 (0.23)
Not Hispanic or Latino:		
White, single race		
Poor	5.3 (0.48)	11.3 (0.65)
Near poor	4.7 (0.31)	8.9 (0.43)
Not poor	1.5 (0.08)	2.7 (0.10)
Black or African American, single race		
Poor	5.3 (0.65)	10.5 (0.93)
Near poor	5.3 (0.65)	7.8 (0.78)
Not poor	1.9 (0.25)	2.8 (0.30)

* Estimate is considered unreliable, as specified in National Center for Health Statistics Data Presentation Standards for Proportions (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), and is not shown.

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¹ADLs are activities of daily living. Limitation in ADLs is based on the question, "Because of a physical, mental, or emotional problem, does [person] need the help of other persons with personal care needs, such as eating, bathing, dressing, or getting around inside the home?" Data in this table are shown only for persons aged 18 and over, although this question was asked of or about persons aged 3 years and over. IADLs are instrumental activities of daily living. Limitation in IADLs is based on the question, "Because of a physical, mental, or emotional problem, does [person] need the help of other persons in handling routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?" This question was asked of or about persons aged 18 years and over.

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³Refers to persons who indicated more than one race group, including those of Hispanic or Latino origin. Only two combinations of multiple race groups are shown due to small sample sizes for other combinations.

⁴Refers to persons who are of Hispanic or Latino origin and may be of any race or combination of races. "Not Hispanic or Latino" refers to persons who are not of Hispanic or Latino origin, regardless of race.

⁵Shown only for persons aged 25 and over.

⁶GED is General Educational Development high school equivalency diploma.

⁷Includes persons who reported a dollar amount or who would not provide a dollar amount but provided an income interval.

⁸"Poor" persons are defined as having income 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.

⁹Based on a hierarchy of mutually exclusive categories. Persons with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes persons who had no coverage as well as those who 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.

¹⁰MSA is metropolitan statistical area. Large MSAs have a population of 1 million or more; small MSAs have a population of less than 1 million. "Not in MSA" consists of persons not living in a metropolitan statistical area.

NOTES: Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. This table is based on responses about persons aged 18 and over in the family. Data came from the Person file and were weighted using the Person weight. Unknowns for the columns were not included in the denominators when calculating percentages. "Total" includes other races not shown separately and persons with unknown education, family income, poverty status, and health insurance characteristics. For more information on the data source, methods, and definitions used for this table, refer to Technical Notes for Summary Health Statistics Tables: National Health Interview Survey (available from <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>). Suggested citation: Lucas JW, Benson V. Tables of Summary Health Statistics for the U.S. Population: 2016 National Health Interview Survey. National Center for Health Statistics. 2018. Available from: <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

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