

Table A-4a. Age-adjusted percentages (with standard errors) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Total	9.5 (0.21)	5.6 (0.17)	2.2 (0.10)	1.7 (0.10)	21.4 (0.28)	28.4 (0.37)
Sex						
Male	10.2 (0.31)	5.0 (0.23)	2.2 (0.15)	2.0 (0.16)	18.9 (0.38)	28.2 (0.54)
Female	8.9 (0.27)	6.1 (0.24)	2.1 (0.13)	1.4 (0.11)	23.7 (0.38)	28.6 (0.45)
Age (years)						
18–44	3.3 (0.23)	3.4 (0.21)	0.6 (0.09)	1.0 (0.12)	7.0 (0.31)	16.5 (0.48)
45–64	12.9 (0.47)	6.9 (0.35)	2.4 (0.20)	2.6 (0.22)	30.3 (0.59)	37.6 (0.68)
65–74	22.2 (0.79)	10.3 (0.55)	5.4 (0.41)	3.0 (0.31)	48.3 (0.93)	48.2 (0.90)
75 and over	22.8 (0.99)	9.4 (0.62)	8.0 (0.60)	1.4 (0.26)	53.7 (1.06)	51.2 (1.13)
Race						
One race ²	9.4 (0.21)	5.5 (0.17)	2.2 (0.11)	1.7 (0.10)	21.3 (0.28)	28.4 (0.37)
White	8.6 (0.22)	5.7 (0.19)	2.0 (0.11)	1.8 (0.11)	22.0 (0.31)	29.7 (0.43)
Black or African American	13.1 (0.70)	4.9 (0.43)	3.1 (0.31)	1.1 (0.20)	21.0 (0.78)	25.4 (0.87)
American Indian or Alaska Native	23.5 (3.48)	8.3 (2.42)	*	2.5 (0.92)	30.6 (2.80)	39.6 (3.16)
Asian	11.4 (0.96)	3.9 (0.62)	2.8 (0.59)	1.8 (0.43)	12.0 (1.04)	16.9 (1.12)
Native Hawaiian or Other Pacific Islander	19.8 (5.75)	*	*	*	16.6 (4.46)	31.9 (5.71)
Two or more races ³	12.5 (1.64)	8.1 (1.36)	2.0 (0.57)	1.7 (0.62)	25.9 (2.04)	30.7 (2.30)
Black or African American, white	*	17.9 (3.84)	0.5 (0.46)	-	35.0 (4.96)	35.6 (4.73)
American Indian or Alaska Native, white	13.4 (2.93)	12.3 (2.75)	2.1 (0.98)	*	29.7 (3.40)	37.3 (4.59)
Hispanic or Latino origin ⁴ and race						
Hispanic or Latino	13.2 (0.70)	4.3 (0.41)	2.2 (0.31)	2.7 (0.33)	16.8 (0.71)	22.6 (0.89)
Mexican or Mexican American	14.9 (1.05)	4.1 (0.52)	2.5 (0.45)	3.4 (0.52)	16.0 (0.98)	21.2 (1.23)
Not Hispanic or Latino	9.0 (0.22)	5.9 (0.19)	2.1 (0.10)	1.5 (0.10)	22.3 (0.31)	29.6 (0.40)
White, single race	8.0 (0.23)	6.2 (0.22)	1.9 (0.11)	1.6 (0.12)	23.3 (0.36)	31.5 (0.48)
Black or African American, single race	13.0 (0.73)	4.8 (0.42)	3.2 (0.31)	1.1 (0.19)	21.0 (0.80)	25.7 (0.91)
Education ⁵						
Less than a high school diploma	16.0 (0.86)	6.9 (0.58)	3.3 (0.34)	2.7 (0.40)	25.3 (0.97)	29.4 (1.12)
High school diploma or GED ⁶	12.0 (0.53)	6.7 (0.39)	3.1 (0.27)	2.4 (0.24)	26.9 (0.67)	34.6 (0.84)
Some college	11.7 (0.48)	7.0 (0.38)	2.5 (0.22)	2.0 (0.20)	26.7 (0.60)	34.9 (0.73)
Bachelor's degree or higher	7.0 (0.32)	5.0 (0.27)	1.7 (0.17)	1.3 (0.16)	20.6 (0.48)	26.7 (0.55)
Current employment status ⁷						
Employed	7.3 (0.33)	5.0 (0.27)	1.2 (0.17)	1.0 (0.10)	18.2 (0.45)	25.9 (0.52)
Full-time	7.4 (0.47)	4.7 (0.35)	1.0 (0.26)	0.9 (0.11)	17.1 (0.66)	25.7 (0.72)
Part-time	7.9 (0.70)	5.1 (0.52)	1.6 (0.29)	1.2 (0.24)	20.4 (0.84)	26.8 (1.03)
Not employed but has worked previously	13.4 (0.53)	7.6 (0.43)	3.6 (0.27)	3.2 (0.27)	28.4 (0.61)	34.9 (0.76)
Not employed and has never worked	12.3 (1.34)	3.9 (0.61)	3.3 (0.80)	2.9 (0.87)	19.8 (1.49)	21.7 (1.67)

Table A-4a. Age-adjusted percentages (with standard errors) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Family income ⁸						
Less than \$35,000	13.4 (0.49)	7.2 (0.36)	3.7 (0.27)	3.0 (0.29)	25.9 (0.58)	32.8 (0.69)
\$35,000 or more	8.3 (0.24)	5.0 (0.19)	1.7 (0.12)	1.3 (0.10)	20.4 (0.33)	27.9 (0.43)
\$35,000–\$49,999	11.2 (0.66)	7.0 (0.60)	2.7 (0.34)	1.4 (0.24)	22.1 (0.86)	31.4 (0.99)
\$50,000–\$74,999	9.8 (0.55)	6.0 (0.41)	2.3 (0.26)	1.6 (0.23)	22.4 (0.69)	30.6 (0.88)
\$75,000–\$99,999	7.8 (0.55)	4.7 (0.39)	1.4 (0.23)	1.5 (0.27)	19.7 (0.69)	27.9 (0.89)
\$100,000 or more	6.8 (0.38)	3.8 (0.28)	1.2 (0.18)	1.0 (0.16)	19.2 (0.53)	25.4 (0.67)
Poverty status ⁹						
Poor	15.3 (0.81)	7.9 (0.57)	4.2 (0.41)	4.2 (0.47)	27.4 (0.94)	33.8 (1.05)
Near poor	12.8 (0.65)	6.9 (0.44)	3.3 (0.35)	2.1 (0.31)	23.7 (0.71)	30.1 (0.87)
Not poor	8.1 (0.22)	5.0 (0.19)	1.7 (0.11)	1.3 (0.10)	20.3 (0.32)	27.9 (0.43)
Health insurance coverage ¹⁰						
Under 65:						
Private	5.4 (0.22)	4.1 (0.20)	0.8 (0.10)	1.2 (0.11)	14.0 (0.34)	22.4 (0.46)
Medicaid	12.8 (0.81)	7.5 (0.63)	3.0 (0.38)	3.5 (0.42)	23.4 (1.02)	32.6 (1.13)
Other coverage	12.7 (1.39)	6.5 (0.91)	3.5 (0.71)	3.8 (0.80)	26.1 (1.69)	34.8 (1.98)
Uninsured	6.0 (0.61)	4.2 (0.48)	0.9 (0.20)	1.2 (0.25)	11.1 (0.75)	21.3 (1.01)
65 and over:						
Private	19.0 (0.87)	9.6 (0.64)	5.6 (0.50)	1.5 (0.28)	51.8 (1.08)	50.4 (1.15)
Medicare and Medicaid	38.8 (2.61)	15.0 (1.74)	12.5 (1.72)	5.6 (1.03)	56.6 (2.56)	55.9 (2.55)
Medicare Advantage	21.6 (1.15)	9.6 (0.74)	6.7 (0.74)	2.1 (0.37)	49.8 (1.36)	47.7 (1.39)
Medicare only	22.6 (1.64)	8.9 (1.00)	5.6 (0.91)	2.3 (0.59)	46.4 (1.89)	46.1 (1.71)
Other coverage	27.8 (2.08)	9.7 (1.21)	9.0 (1.31)	3.3 (0.74)	54.7 (2.25)	52.8 (2.23)
Uninsured	*	*	*	*	*	*
Marital status						
Married	9.2 (0.29)	5.3 (0.24)	2.0 (0.15)	1.8 (0.15)	21.4 (0.40)	28.5 (0.50)
Widowed	13.1 (2.24)	6.6 (1.28)	2.7 (0.39)	*	32.9 (4.45)	35.4 (3.89)
Divorced or separated	10.7 (0.68)	8.4 (0.68)	3.0 (0.46)	2.7 (0.44)	28.8 (1.04)	35.3 (1.14)
Never married	10.7 (0.76)	4.5 (0.35)	2.5 (0.39)	1.6 (0.23)	18.4 (0.77)	26.4 (0.86)
Living with a partner	10.7 (1.13)	6.5 (0.86)	3.2 (0.78)	1.0 (0.27)	23.0 (1.22)	30.1 (1.48)
Place of residence ¹¹						
Large MSA	9.0 (0.27)	4.7 (0.20)	1.9 (0.13)	1.6 (0.12)	19.5 (0.36)	25.7 (0.45)
Small MSA	9.9 (0.38)	5.8 (0.30)	2.4 (0.19)	1.8 (0.19)	23.2 (0.53)	31.1 (0.74)
Not in MSA	10.8 (0.63)	8.7 (0.65)	3.0 (0.35)	1.9 (0.32)	26.1 (0.83)	34.4 (1.27)
Region						
Northeast	8.1 (0.47)	4.4 (0.36)	1.9 (0.25)	1.2 (0.21)	21.9 (0.68)	26.7 (0.82)
Midwest	9.3 (0.42)	5.6 (0.32)	2.2 (0.19)	1.4 (0.17)	23.2 (0.57)	30.3 (0.76)
South	10.5 (0.35)	6.2 (0.30)	2.2 (0.16)	1.7 (0.16)	21.0 (0.44)	28.0 (0.62)
West	9.0 (0.44)	5.4 (0.41)	2.2 (0.25)	2.3 (0.24)	20.1 (0.61)	28.5 (0.82)

Table A-4a. Age-adjusted percentages (with standard errors) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Hispanic or Latino origin ⁴ , race, and sex						
Hispanic or Latino, male	14.3 (1.05)	4.5 (0.65)	2.0 (0.49)	2.6 (0.52)	13.3 (1.06)	21.3 (1.39)
Hispanic or Latina, female	12.4 (0.93)	4.2 (0.51)	2.4 (0.41)	2.9 (0.44)	19.7 (0.96)	23.6 (1.11)
Not Hispanic or Latino:						
White, single race, male	8.7 (0.32)	5.4 (0.28)	2.0 (0.17)	2.0 (0.20)	20.7 (0.49)	31.9 (0.69)
White, single race, female	7.5 (0.31)	7.0 (0.33)	1.9 (0.14)	1.3 (0.13)	25.6 (0.49)	31.0 (0.60)
Black or African American, single race, male	13.4 (1.10)	3.8 (0.50)	3.7 (0.55)	1.6 (0.34)	16.6 (1.07)	22.4 (1.34)
Black or African American, single race, female	12.7 (0.92)	5.5 (0.64)	2.8 (0.39)	0.6 (0.22)	24.4 (1.18)	28.1 (1.17)

* Estimate does not meet NCHS standards of reliability.

- Quantity zero.

¹In separate questions, respondents were asked if they had ever been told by a doctor or other health professional that they had an ulcer (including a stomach, duodenal, or peptic ulcer) or diabetes (or sugar diabetes; female respondents were instructed to exclude pregnancy-related diabetes). Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes. The weighted percentage of unknown with respect to diabetes status among adults aged 18 and over was 2.7%. Respondents were also asked in separate questions if they had been told in the last 12 months by a doctor or other health professional that they had: weak or failing kidneys (excluding kidney stones, bladder infections, or incontinence) or any kind of liver condition. Lastly, respondents were asked if they had ever been told by a doctor or other health professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. Those who answered yes were classified as having an arthritis diagnosis. Respondents were also asked: "During the past 30 days, have you had pain, aching or stiffness in or around a joint?" (excluding back and neck) and, if yes, "Did your joint symptoms first begin more than 3 months ago?" Respondents with symptoms that began more than 3 months ago were classified in this table as having chronic joint symptoms. A person may be represented in more than one column.

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

⁶GED is General Educational Development high school equivalency diploma.

⁷"Full-time" employment is 35 or more hours per week. "Part-time" employment is 34 or fewer hours per week.

⁸Includes persons who reported a dollar amount or who would not provide a dollar amount but provided an income interval.

⁹"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.

¹⁰Based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes adults 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.

¹¹MSA is metropolitan statistical area. Large MSAs have a population size of 1 million or more; small MSAs have a population size 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 data from the Sample Adult file and was weighted using the Sample Adult weight. Unknowns for the columns were not included in the denominators when calculating percentages. Percentages may not add to totals due to rounding. "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 <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>).

Suggested citation: Villarreal MA, Blackwell DL, Jen A. Tables of Summary Health Statistics for U.S. Adults: 2018 National Health Interview Survey. National Center for Health Statistics. 2019.

Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2018.

Table A-4b. Frequencies (in thousands) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	All adults aged 18 and over	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Total	249,456	25,158	14,795	5,986	4,509	59,042	75,472
Sex							
Male	120,442	12,760	6,364	2,867	2,529	24,533	35,425
Female	129,014	12,397	8,431	3,119	1,980	34,509	40,047
Age (years)							
18–44	115,008	3,777	3,954	685	1,168	8,049	18,959
45–64	83,038	10,320	5,719	1,985	2,141	25,105	31,163
65–74	30,809	6,580	3,181	1,672	913	14,851	14,827
75 and over	20,601	4,481	1,941	1,645	288	11,037	10,523
Race							
One race ²	243,677	24,547	14,385	5,892	4,407	57,736	73,861
White	193,454	18,473	12,002	4,436	3,683	48,683	62,206
Black or African American	30,813	3,764	1,493	889	365	6,305	7,718
American Indian or Alaska Native	2,810	583	229	*	64	832	1,102
Asian	15,960	1,617	610	401	273	1,810	2,632
Native Hawaiian or Other Pacific Islander	640	*	*	*	*	106	202
Two or more races ³	5,779	611	410	94	102	1,306	1,611
Black or African American, white	1,567	*	*	3	-	291	342
American Indian or Alaska Native, white	1,879	273	239	*	*	622	751
Hispanic or Latino origin ⁴ and race							
Hispanic or Latino	40,749	4,303	1,581	760	1,029	5,705	8,293
Mexican or Mexican American	24,415	2,794	905	488	731	3,098	4,529
Not Hispanic or Latino	208,706	20,855	13,214	5,226	3,481	53,337	67,179
White, single race	157,289	14,759	10,713	3,786	2,751	43,691	54,833
Black or African American, single race	29,089	3,603	1,393	875	333	6,073	7,470
Education ⁵							
Less than a high school diploma	24,710	4,577	1,949	1,053	713	7,566	8,427
High school diploma or GED ⁶	52,455	6,921	3,784	1,915	1,272	16,084	19,537
Some college	62,770	7,635	4,598	1,692	1,363	18,076	22,961
Bachelor's degree or higher	78,964	5,431	4,002	1,273	1,067	16,434	21,361
Current employment status ⁷							
Employed	158,301	9,716	7,030	1,308	1,622	24,353	38,109
Full-time	129,152	7,575	5,700	929	1,253	18,770	30,414
Part-time	27,087	1,980	1,269	346	331	5,138	7,066
Not employed but has worked previously	78,269	14,023	7,264	4,258	2,557	32,193	34,605
Not employed and has never worked	12,669	1,418	478	408	294	2,430	2,683

Table A-4b. Frequencies (in thousands) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	All adults aged 18 and over	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Family income⁸							
Less than \$35,000	58,573	8,535	4,556	2,514	1,795	17,305	20,694
\$35,000 or more	166,985	14,018	8,658	2,819	2,318	35,675	48,122
\$35,000–\$49,999	24,817	2,943	1,794	778	383	6,050	8,215
\$50,000–\$74,999	38,139	4,008	2,473	948	651	9,481	12,333
\$75,000–\$99,999	30,794	2,525	1,556	412	500	6,420	8,984
\$100,000 or more	73,236	4,542	2,834	681	784	13,724	18,590
Poverty status⁹							
Poor	24,028	3,392	1,836	938	984	6,273	7,885
Near poor	40,315	5,247	2,890	1,459	829	10,154	12,585
Not poor	173,576	15,168	9,299	3,186	2,465	39,360	51,739
Health insurance coverage¹⁰							
Under 65:							
Private	136,568	7,909	5,941	1,264	1,701	21,460	32,596
Medicaid	24,908	2,972	1,830	716	845	5,679	7,973
Other coverage	9,857	1,680	781	466	453	3,221	4,106
Uninsured	25,525	1,442	1,067	222	294	2,730	5,316
65 and over:							
Private	21,274	3,900	2,045	1,141	333	10,832	10,591
Medicare and Medicaid	3,529	1,290	533	433	214	1,997	1,959
Medicare Advantage	13,113	2,684	1,276	864	281	6,485	6,238
Medicare only	7,945	1,718	695	419	186	3,612	3,635
Other coverage	5,181	1,398	512	460	174	2,847	2,730
Uninsured	274	*	*	*	*	*	*
Marital status							
Married	130,518	13,925	7,745	3,061	2,612	33,720	42,020
Widowed	14,263	3,084	1,651	1,022	327	7,319	6,946
Divorced or separated	27,100	3,696	2,410	1,007	754	9,622	10,939
Never married	58,300	2,949	1,937	548	602	5,257	10,367
Living with a partner	18,856	1,440	994	337	197	3,035	5,061
Place of residence¹¹							
Large MSA	142,041	13,121	7,052	2,789	2,348	29,793	38,225
Small MSA	75,044	8,018	4,631	1,998	1,467	19,205	24,870
Not in MSA	32,370	4,019	3,112	1,199	693	10,044	12,377
Region							
Northeast	43,262	3,987	2,066	956	554	11,028	12,888
Midwest	54,818	5,415	3,261	1,348	808	13,900	17,593
South	92,043	10,330	6,138	2,321	1,714	21,449	27,521
West	59,333	5,426	3,330	1,361	1,433	12,665	17,470

Table A-4b. Frequencies (in thousands) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	All adults aged 18 and over	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Hispanic or Latino origin ⁴ , race, and sex							
Hispanic or Latino, male	20,279	2,116	809	328	464	2,231	3,847
Hispanic or Latina, female	20,470	2,187	772	432	565	3,473	4,447
Not Hispanic or Latino:							
White, single race, male	76,416	7,728	4,508	1,826	1,595	18,689	26,398
White, single race, female	80,872	7,031	6,205	1,961	1,155	25,002	28,435
Black or African American, single race, male	13,250	1,611	505	439	219	2,107	2,909
Black or African American, single race, female	15,840	1,992	888	435	113	3,966	4,561

* Corresponding crude percentage for the frequency does not meet NCHS standards of reliability, so the frequency is not shown.
- Quantity zero.

¹In separate questions, respondents were asked if they had ever been told by a doctor or other health professional that they had an ulcer (including a stomach, duodenal, or peptic ulcer) or diabetes (or sugar diabetes; female respondents were instructed to exclude pregnancy-related diabetes). Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes. The weighted percentage of unknown with respect to diabetes status among adults aged 18 and over was 2.7%. Respondents were also asked in separate questions if they had been told in the last 12 months by a doctor or other health professional that they had: weak or failing kidneys (excluding kidney stones, bladder infections, or incontinence) or any kind of liver condition. Lastly, respondents were asked if they had ever been told by a doctor or other health professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. Those who answered yes were classified as having an arthritis diagnosis. Respondents were also asked: "During the past 30 days, have you had pain, aching or stiffness in or around a joint?" (excluding back and neck) and, if yes, "Did your joint symptoms first begin more than 3 months ago?" Respondents with symptoms that began more than 3 months ago were classified in this table as having chronic joint symptoms. A person may be represented in more than one column.

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 adults aged 25 and over.

⁶GED is General Educational Development high school equivalency diploma.

⁷"Full-time" employment is 35 or more hours per week. "Part-time" employment is 34 or fewer hours per week.

⁸Includes persons in families that reported either a dollar amount or would not provide a dollar amount but provided an income interval.

⁹"Poor" persons live in families defined as below the poverty threshold. "Near poor" persons live in families with incomes of 100% to less than 200% of the poverty threshold. "Not poor" persons live in families with incomes that are 200% of the poverty threshold or greater.

¹⁰Based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy.

"Uninsured" includes adults 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.

¹¹MSA is metropolitan statistical area. Large MSAs have a population size of 1 million or more; small MSAs have a population size 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 data from the Sample Adult file and was weighted using the Sample Adult weight. Unknowns for the columns were not included in the frequencies, but they are included in the "All adults 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 <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>).

Suggested citation: Villarreal MA, Blackwell DL, Jen A. Tables of Summary Health Statistics for U.S. Adults: 2018 National Health Interview Survey. National Center for Health Statistics. 2019. Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2018.

Table A-4c. Crude percentages (with standard errors) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Total	10.4 (0.23)	5.9 (0.18)	2.4 (0.11)	1.8 (0.10)	23.7 (0.34)	30.3 (0.40)
Sex						
Male	10.9 (0.34)	5.3 (0.24)	2.4 (0.16)	2.1 (0.16)	20.4 (0.46)	29.5 (0.57)
Female	9.9 (0.29)	6.5 (0.25)	2.4 (0.15)	1.5 (0.12)	26.8 (0.45)	31.1 (0.49)
Age (years)						
18–44	3.3 (0.23)	3.4 (0.21)	0.6 (0.09)	1.0 (0.12)	7.0 (0.31)	16.5 (0.48)
45–64	12.9 (0.47)	6.9 (0.35)	2.4 (0.20)	2.6 (0.22)	30.3 (0.59)	37.6 (0.68)
65–74	22.2 (0.79)	10.3 (0.55)	5.4 (0.41)	3.0 (0.31)	48.3 (0.93)	48.2 (0.90)
75 and over	22.8 (0.99)	9.4 (0.62)	8.0 (0.60)	1.4 (0.26)	53.7 (1.06)	51.2 (1.13)
Race						
One race ²	10.4 (0.23)	5.9 (0.18)	2.4 (0.12)	1.8 (0.10)	23.7 (0.34)	30.3 (0.40)
White	9.8 (0.25)	6.2 (0.20)	2.3 (0.12)	1.9 (0.11)	25.2 (0.39)	32.2 (0.46)
Black or African American	12.7 (0.75)	4.9 (0.44)	2.9 (0.30)	1.2 (0.21)	20.5 (0.89)	25.1 (0.96)
American Indian or Alaska Native	21.8 (3.22)	8.1 (2.43)	*	2.3 (0.87)	29.6 (3.34)	39.2 (3.86)
Asian	10.6 (0.95)	3.8 (0.61)	2.5 (0.54)	1.7 (0.41)	11.3 (1.12)	16.5 (1.17)
Native Hawaiian or Other Pacific Islander	*	*	*	*	16.5 (4.58)	31.6 (6.28)
Two or more races ³	10.8 (1.53)	7.1 (1.28)	1.6 (0.47)	1.8 (0.65)	22.6 (2.11)	28.0 (2.34)
Black or African American, white	*	*	0.2 (0.21)	-	18.6 (4.59)	21.8 (4.44)
American Indian or Alaska Native, white	14.8 (3.20)	12.7 (2.77)	*	*	33.1 (4.13)	40.0 (4.31)
Hispanic or Latino origin ⁴ and race						
Hispanic or Latino	10.9 (0.66)	3.9 (0.37)	1.9 (0.28)	2.5 (0.31)	14.0 (0.70)	20.4 (0.87)
Mexican or Mexican American	11.8 (0.96)	3.7 (0.49)	2.0 (0.40)	3.0 (0.47)	12.7 (0.90)	18.6 (1.16)
Not Hispanic or Latino	10.3 (0.25)	6.3 (0.20)	2.5 (0.12)	1.7 (0.10)	25.6 (0.38)	32.2 (0.43)
White, single race	9.6 (0.26)	6.8 (0.22)	2.4 (0.13)	1.8 (0.12)	27.8 (0.44)	34.9 (0.50)
Black or African American, single race	12.9 (0.78)	4.8 (0.44)	3.0 (0.32)	1.1 (0.21)	20.9 (0.92)	25.7 (0.99)
Education ⁵						
Less than a high school diploma	19.2 (0.92)	7.9 (0.60)	4.3 (0.42)	2.9 (0.40)	30.7 (1.14)	34.2 (1.22)
High school diploma or GED ⁶	13.6 (0.57)	7.2 (0.39)	3.7 (0.30)	2.4 (0.24)	30.7 (0.76)	37.3 (0.85)
Some college	12.6 (0.50)	7.3 (0.39)	2.7 (0.23)	2.2 (0.20)	28.8 (0.66)	36.6 (0.74)
Bachelor's degree or higher	7.1 (0.33)	5.1 (0.27)	1.6 (0.16)	1.4 (0.17)	20.8 (0.53)	27.1 (0.58)
Current employment status ⁷						
Employed	6.3 (0.24)	4.4 (0.19)	0.8 (0.08)	1.0 (0.10)	15.4 (0.35)	24.1 (0.46)
Full-time	6.0 (0.26)	4.4 (0.21)	0.7 (0.09)	1.0 (0.11)	14.6 (0.39)	23.6 (0.50)
Part-time	7.5 (0.69)	4.7 (0.47)	1.3 (0.24)	1.2 (0.24)	19.0 (0.90)	26.1 (1.06)
Not employed but has worked previously	18.6 (0.51)	9.3 (0.36)	5.4 (0.28)	3.3 (0.22)	41.2 (0.62)	44.3 (0.66)
Not employed and has never worked	11.5 (1.16)	3.8 (0.58)	3.2 (0.65)	2.3 (0.59)	19.2 (1.43)	21.2 (1.59)

Table A-4c. Crude percentages (with standard errors) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Family income ⁸						
Less than \$35,000	15.1 (0.54)	7.8 (0.36)	4.3 (0.29)	3.1 (0.28)	29.6 (0.69)	35.4 (0.75)
\$35,000 or more	8.6 (0.26)	5.2 (0.20)	1.7 (0.11)	1.4 (0.11)	21.4 (0.39)	28.8 (0.46)
\$35,000–\$49,999	12.1 (0.71)	7.2 (0.59)	3.1 (0.39)	1.5 (0.24)	24.4 (0.97)	33.1 (1.04)
\$50,000–\$74,999	10.8 (0.61)	6.5 (0.43)	2.5 (0.27)	1.7 (0.24)	24.9 (0.79)	32.3 (0.91)
\$75,000–\$99,999	8.4 (0.58)	5.1 (0.41)	1.3 (0.22)	1.6 (0.28)	20.9 (0.81)	29.2 (0.92)
\$100,000 or more	6.3 (0.36)	3.9 (0.28)	0.9 (0.13)	1.1 (0.15)	18.8 (0.58)	25.4 (0.69)
Poverty status ⁹						
Poor	14.6 (0.82)	7.7 (0.57)	3.9 (0.40)	4.1 (0.47)	26.1 (1.04)	32.9 (1.14)
Near poor	13.5 (0.66)	7.2 (0.45)	3.6 (0.36)	2.1 (0.30)	25.2 (0.79)	31.3 (0.92)
Not poor	9.0 (0.25)	5.4 (0.21)	1.8 (0.12)	1.4 (0.11)	22.7 (0.39)	29.8 (0.46)
Health insurance coverage ¹⁰						
Under 65:						
Private	5.9 (0.25)	4.4 (0.21)	0.9 (0.10)	1.2 (0.12)	15.7 (0.39)	23.9 (0.49)
Medicaid	12.4 (0.81)	7.4 (0.63)	2.9 (0.38)	3.4 (0.42)	22.8 (1.08)	32.1 (1.20)
Other coverage	17.6 (1.54)	7.9 (0.99)	4.7 (0.95)	4.6 (0.85)	32.8 (1.82)	41.7 (2.00)
Uninsured	5.7 (0.60)	4.2 (0.47)	0.9 (0.19)	1.2 (0.25)	10.7 (0.75)	20.8 (1.02)
65 and over:						
Private	19.1 (0.87)	9.6 (0.64)	5.4 (0.49)	1.6 (0.29)	51.0 (1.09)	49.8 (1.14)
Medicare and Medicaid	38.8 (2.56)	15.2 (1.75)	12.3 (1.66)	6.1 (1.16)	56.6 (2.51)	55.7 (2.51)
Medicare Advantage	21.5 (1.14)	9.7 (0.75)	6.6 (0.73)	2.1 (0.38)	49.5 (1.37)	47.6 (1.38)
Medicare only	22.4 (1.61)	8.8 (0.96)	5.3 (0.86)	2.3 (0.59)	45.7 (1.86)	45.8 (1.70)
Other coverage	27.9 (2.06)	9.9 (1.23)	8.9 (1.28)	3.4 (0.74)	55.1 (2.24)	52.8 (2.24)
Uninsured	*	*	*	*	*	*
Marital status						
Married	11.0 (0.33)	5.9 (0.25)	2.3 (0.17)	2.0 (0.15)	25.9 (0.47)	32.2 (0.53)
Widowed	22.5 (1.05)	11.6 (0.80)	7.2 (0.60)	2.3 (0.34)	51.4 (1.25)	48.8 (1.19)
Divorced or separated	14.1 (0.68)	8.9 (0.55)	3.7 (0.38)	2.8 (0.34)	35.6 (0.94)	40.5 (0.93)
Never married	5.2 (0.36)	3.3 (0.26)	0.9 (0.13)	1.0 (0.15)	9.0 (0.45)	17.8 (0.65)
Living with a partner	7.8 (0.81)	5.3 (0.62)	1.8 (0.38)	1.0 (0.28)	16.1 (0.99)	26.8 (1.29)
Place of residence ¹¹						
Large MSA	9.5 (0.30)	5.0 (0.21)	2.0 (0.14)	1.7 (0.12)	21.0 (0.43)	26.9 (0.49)
Small MSA	11.0 (0.43)	6.2 (0.31)	2.7 (0.20)	2.0 (0.20)	25.6 (0.65)	33.2 (0.80)
Not in MSA	12.7 (0.70)	9.6 (0.71)	3.7 (0.41)	2.1 (0.34)	31.1 (1.01)	38.3 (1.36)
Region						
Northeast	9.5 (0.54)	4.8 (0.38)	2.2 (0.27)	1.3 (0.21)	25.5 (0.80)	29.8 (0.90)
Midwest	10.1 (0.50)	6.0 (0.33)	2.5 (0.21)	1.5 (0.17)	25.4 (0.71)	32.1 (0.85)
South	11.5 (0.37)	6.7 (0.31)	2.5 (0.19)	1.9 (0.16)	23.3 (0.55)	29.9 (0.65)
West	9.5 (0.47)	5.6 (0.42)	2.3 (0.25)	2.4 (0.26)	21.4 (0.73)	29.5 (0.88)

Table A-4c. Crude percentages (with standard errors) of selected diseases and conditions among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Diabetes ¹	Ulcers ¹	Kidney disease ¹	Liver disease ¹	Arthritis diagnosis ¹	Chronic joint symptoms ¹
Hispanic or Latino origin ⁴ , race, and sex						
Hispanic or Latino, male	10.8 (0.93)	4.0 (0.60)	1.6 (0.43)	2.3 (0.44)	11.0 (0.96)	19.0 (1.34)
Hispanic or Latina, female	11.0 (0.92)	3.8 (0.47)	2.1 (0.38)	2.8 (0.44)	17.0 (0.96)	21.8 (1.13)
Not Hispanic or Latino:						
White, single race, male	10.3 (0.38)	5.9 (0.29)	2.4 (0.20)	2.1 (0.19)	24.5 (0.61)	34.6 (0.71)
White, single race, female	8.9 (0.35)	7.7 (0.34)	2.4 (0.18)	1.4 (0.14)	30.9 (0.58)	35.2 (0.61)
Black or African American, single race, male	12.6 (1.14)	3.8 (0.53)	3.3 (0.52)	1.7 (0.36)	15.9 (1.19)	22.0 (1.42)
Black or African American, single race, female	13.0 (1.01)	5.6 (0.66)	2.7 (0.40)	0.7 (0.25)	25.1 (1.31)	28.8 (1.28)

* Estimate does not meet NCHS standards of reliability.

- Quantity zero.

¹In separate questions, respondents were asked if they had ever been told by a doctor or other health professional that they had an ulcer (including a stomach, duodenal, or peptic ulcer) or diabetes (or sugar diabetes; female respondents were instructed to exclude pregnancy-related diabetes). Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes. The weighted percentage of unknown with respect to diabetes status among adults aged 18 and over was 2.7%. Respondents were also asked in separate questions if they had been told in the last 12 months by a doctor or other health professional that they had: weak or failing kidneys (excluding kidney stones, bladder infections, or incontinence) or any kind of liver condition. Lastly, respondents were asked if they had ever been told by a doctor or other health professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. Those who answered yes were classified as having an arthritis diagnosis. Respondents were also asked: "During the past 30 days, have you had pain, aching or stiffness in or around a joint?" (excluding back and neck) and, if yes, "Did your joint symptoms first begin more than 3 months ago?" Respondents with symptoms that began more than 3 months ago were classified in this table as having chronic joint symptoms. A person may be represented in more than one column.

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 adults aged 25 and over.

⁶GED is General Educational Development high school equivalency diploma.

⁷"Full-time" employment is 35 or more hours per week. "Part-time" employment is 34 or fewer hours per week.

⁸Includes persons who reported a dollar amount or who would not provide a dollar amount but provided an income interval.

⁹"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.

¹⁰Based on a hierarchy of mutually exclusive categories. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes adults 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.

¹¹MSA is metropolitan statistical area. Large MSAs have a population size of 1 million or more; small MSAs have a population size 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 data from the Sample Adult file and was weighted using the Sample Adult weight. Unknowns for the columns were not included in the denominators when calculating percentages. Percentages may not add to totals due to rounding. "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 <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>).

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SOURCE: NCHS, National Health Interview Survey, 2018.