

Table A-5a. Age-adjusted percentages (with standard errors) of migraines and pain in neck, lower back, face, or jaw among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Migraines or severe			
	headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Total	15.9 (0.30)	15.7 (0.29)	29.1 (0.38)	5.2 (0.18)
Sex				
Male	10.7 (0.38)	14.0 (0.40)	27.4 (0.54)	3.6 (0.22)
Female	21.0 (0.47)	17.2 (0.40)	30.7 (0.50)	6.7 (0.26)
Age (years)				
18–44	18.7 (0.46)	12.8 (0.42)	24.4 (0.55)	5.3 (0.26)
45–64	15.7 (0.50)	19.4 (0.51)	33.0 (0.65)	5.7 (0.31)
65–74	9.3 (0.53)	19.0 (0.73)	36.5 (0.91)	4.3 (0.36)
75 and over	6.1 (0.51)	17.0 (0.78)	37.3 (1.04)	3.9 (0.42)
Race				
One race ²	15.8 (0.30)	15.5 (0.29)	29.0 (0.38)	5.1 (0.18)
White	16.3 (0.34)	16.5 (0.34)	29.9 (0.43)	5.5 (0.21)
Black or African American	15.6 (0.82)	12.7 (0.67)	27.3 (0.97)	4.0 (0.44)
American Indian or Alaska Native	22.1 (2.71)	16.4 (2.21)	37.2 (3.63)	4.1 (0.95)
Asian	9.1 (0.98)	10.6 (0.94)	20.4 (1.43)	3.2 (0.58)
Native Hawaiian or Other Pacific Islander	*	17.3 (4.04)	29.9 (5.89)	*
Two or more races ³	23.1 (2.23)	21.3 (2.18)	35.2 (2.57)	7.9 (1.35)
Black or African American, white	26.7 (4.03)	28.1 (4.63)	40.3 (5.08)	14.3 (2.08)
American Indian or Alaska Native, white	32.8 (5.02)	25.4 (4.56)	47.3 (4.84)	8.6 (2.07)
Hispanic or Latino origin ⁴ and race				
Hispanic or Latino	16.0 (0.76)	14.6 (0.76)	27.3 (1.00)	5.3 (0.44)
Mexican or Mexican American	15.8 (1.02)	12.4 (0.97)	26.1 (1.32)	5.5 (0.62)
Not Hispanic or Latino	16.1 (0.33)	16.0 (0.32)	29.5 (0.41)	5.3 (0.20)
White, single race	16.7 (0.39)	17.1 (0.38)	30.7 (0.48)	5.8 (0.25)
Black or African American, single race	15.6 (0.85)	12.7 (0.68)	27.1 (0.98)	4.1 (0.46)
Education ⁵				
Less than a high school diploma	17.8 (0.97)	17.6 (0.99)	33.9 (1.31)	5.7 (0.56)
High school diploma or GED ⁶	16.7 (0.67)	17.0 (0.64)	34.5 (0.90)	4.8 (0.36)
Some college	18.2 (0.60)	19.0 (0.59)	34.1 (0.74)	6.0 (0.38)
Bachelor's degree or higher	13.0 (0.46)	14.7 (0.46)	25.5 (0.59)	4.9 (0.29)
Current employment status ⁷				
Employed	13.7 (0.34)	13.8 (0.38)	26.1 (0.49)	4.1 (0.20)
Full-time	12.9 (0.36)	13.4 (0.51)	25.8 (0.65)	3.8 (0.20)
Part-time	16.3 (0.91)	14.4 (0.86)	26.0 (1.04)	4.8 (0.56)
Not employed but has worked previously	22.7 (0.80)	21.2 (0.72)	36.3 (0.85)	8.8 (0.52)
Not employed and has never worked	16.7 (1.65)	13.3 (1.53)	23.9 (1.78)	4.2 (0.85)

Table A-5a. Age-adjusted percentages (with standard errors) of migraines and pain in neck, lower back, face, or jaw among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Family income ⁸				
Less than \$35,000	21.9 (0.64)	19.6 (0.59)	35.1 (0.76)	7.3 (0.41)
\$35,000 or more	14.1 (0.36)	14.6 (0.35)	27.8 (0.45)	4.5 (0.20)
\$35,000–\$49,999	16.1 (0.87)	17.8 (0.89)	32.4 (1.10)	5.9 (0.53)
\$50,000–\$74,999	16.6 (0.80)	15.9 (0.76)	32.0 (0.94)	4.7 (0.42)
\$75,000–\$99,999	14.3 (0.82)	14.3 (0.77)	28.9 (1.00)	4.4 (0.43)
\$100,000 or more	12.1 (0.51)	13.2 (0.54)	23.8 (0.66)	4.0 (0.33)
Poverty status ⁹				
Poor	23.1 (1.03)	20.6 (0.85)	35.6 (1.13)	7.7 (0.58)
Near poor	20.7 (0.79)	18.2 (0.76)	34.8 (0.95)	6.4 (0.50)
Not poor	14.0 (0.34)	14.8 (0.34)	27.3 (0.44)	4.7 (0.21)
Health insurance coverage ¹⁰				
Under 65:				
Private	15.7 (0.41)	13.9 (0.38)	24.6 (0.49)	4.6 (0.22)
Medicaid	27.2 (1.20)	21.6 (1.04)	38.1 (1.24)	8.6 (0.65)
Other coverage	23.1 (2.16)	24.0 (1.96)	41.3 (2.20)	10.0 (1.42)
Uninsured	16.6 (0.91)	13.7 (0.86)	27.5 (1.16)	5.6 (0.53)
65 and over:				
Private	6.7 (0.54)	17.4 (0.85)	35.7 (1.03)	4.0 (0.43)
Medicare and Medicaid	16.0 (1.89)	27.2 (2.23)	48.3 (2.47)	8.9 (1.54)
Medicare Advantage	7.2 (0.75)	17.8 (1.06)	34.6 (1.37)	4.0 (0.54)
Medicare only	7.3 (0.92)	15.2 (1.30)	34.9 (1.72)	3.5 (0.61)
Other coverage	7.7 (1.16)	19.6 (1.80)	43.8 (2.27)	2.8 (0.58)
Uninsured	*	*	*	*
Marital status				
Married	15.5 (0.40)	15.3 (0.41)	29.0 (0.55)	4.9 (0.25)
Widowed	22.9 (4.89)	16.8 (2.56)	37.9 (4.54)	6.9 (1.73)
Divorced or separated	19.5 (1.06)	20.6 (0.99)	38.1 (1.25)	6.7 (0.63)
Never married	15.6 (0.63)	15.5 (0.73)	26.8 (0.84)	5.5 (0.43)
Living with a partner	19.6 (1.14)	17.6 (1.23)	33.5 (1.64)	5.6 (0.62)
Place of residence ¹¹				
Large MSA	14.3 (0.38)	14.6 (0.36)	26.9 (0.48)	4.7 (0.23)
Small MSA	17.4 (0.58)	16.7 (0.58)	31.5 (0.76)	5.8 (0.31)
Not in MSA	19.8 (0.86)	17.6 (0.94)	33.5 (1.29)	6.1 (0.61)
Region				
Northeast	14.2 (0.70)	14.7 (0.75)	27.7 (0.91)	5.1 (0.47)
Midwest	17.0 (0.66)	15.5 (0.59)	29.3 (0.79)	5.4 (0.40)
South	15.8 (0.46)	15.4 (0.48)	28.6 (0.67)	4.9 (0.27)
West	16.4 (0.64)	16.8 (0.61)	30.6 (0.71)	5.7 (0.35)

Table A-5a. Age-adjusted percentages (with standard errors) of migraines and pain in neck, lower back, face, or jaw among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Hispanic or Latino origin ⁴ , race, and sex				
Hispanic or Latino, male	11.2 (1.00)	12.5 (1.08)	25.7 (1.48)	3.2 (0.56)
Hispanic or Latina, female	20.5 (1.09)	16.4 (1.01)	28.5 (1.28)	7.1 (0.65)
Not Hispanic or Latino:				
White, single race, male	11.2 (0.50)	15.5 (0.53)	29.2 (0.67)	3.7 (0.28)
White, single race, female	22.2 (0.60)	18.7 (0.53)	32.2 (0.63)	7.7 (0.38)
Black or African American, single race, male	10.1 (1.07)	10.0 (0.97)	22.2 (1.49)	4.1 (0.83)
Black or African American, single race, female	20.2 (1.28)	14.7 (1.01)	31.2 (1.41)	4.0 (0.50)

* Estimate does not meet NCHS standards of reliability.

¹In four separate questions, respondents were asked, "During the past three months, did you have a severe headache or migraine?". They were also asked, "During the past three months, did you have neck pain?" and "During the past three months, did you have low back pain?" Lastly, they were asked, "During the past three months, did you have facial ache or pain in the jaw muscles or the joint in front of the ear?" Regarding all four questions, respondents were instructed to report pain that had lasted a whole day or more, and conversely, not to report fleeting or minor aches or pains. Persons 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>).

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

SOURCE: NCHS, National Health Interview Survey, 2018.

Table A-5b. Frequencies (in thousands) of migraines and pain in neck, lower back, face or jaw among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	All adults aged 18 and over	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Total	249,456	38,619	40,136	74,416	12,914
Sex					
Male	120,442	12,701	17,260	33,699	4,327
Female	129,014	25,918	22,876	40,717	8,588
Age (years)					
18–44	115,008	21,510	14,663	28,089	6,055
45–64	83,038	12,995	16,136	27,414	4,719
65–74	30,809	2,860	5,846	11,231	1,332
75 and over	20,601	1,254	3,490	7,681	808
Race					
One race ²	243,677	37,236	38,980	72,471	12,464
White	193,454	30,239	32,868	59,658	10,561
Black or African American	30,813	4,823	3,901	8,415	1,230
American Indian or Alaska Native	2,810	649	428	1,012	118
Asian	15,960	1,456	1,671	3,204	490
Native Hawaiian or Other Pacific Islander	640	*	113	181	*
Two or more races ³	5,779	1,383	1,155	1,945	450
Black or African American, white	1,567	310	243	425	*
American Indian or Alaska Native, white	1,879	590	503	873	170
Hispanic or Latino origin ⁴ and race					
Hispanic or Latino	40,749	6,617	5,604	10,715	2,035
Mexican or Mexican American	24,415	3,975	2,804	6,096	1,239
Not Hispanic or Latino	208,706	32,002	34,532	63,701	10,879
White, single race	157,289	24,380	27,802	50,157	8,639
Black or African American, single race	29,089	4,539	3,703	7,958	1,202
Education ⁵					
Less than a high school diploma	24,710	4,215	4,718	8,824	1,454
High school diploma or GED ⁶	52,455	8,165	9,241	18,510	2,458
Some college	62,770	11,048	12,045	21,565	3,741
Bachelor's degree or higher	78,964	10,260	11,651	20,266	3,887
Current employment status ⁷					
Employed	158,301	23,395	21,922	40,978	6,804
Full-time	129,152	18,429	17,688	33,518	5,353
Part-time	27,087	4,589	3,896	6,945	1,316
Not employed but has worked previously	78,269	13,127	16,647	30,450	5,619
Not employed and has never worked	12,669	2,061	1,531	2,909	471

Selected characteristic	All adults aged 18 and over	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Family income ⁸					
Less than \$35,000	58,573	12,063	11,813	21,097	4,156
\$35,000 or more	166,985	23,274	24,684	46,824	7,558
\$35,000–\$49,999	24,817	3,842	4,406	8,127	1,454
\$50,000–\$74,999	38,139	6,078	6,170	12,461	1,785
\$75,000–\$99,999	30,794	4,322	4,453	8,962	1,405
\$100,000 or more	73,236	9,032	9,656	17,274	2,913
Poverty status ⁹					
Poor	24,028	5,616	4,849	8,443	1,844
Near poor	40,315	8,043	7,325	14,132	2,549
Not poor	173,576	23,481	26,186	48,583	7,967
Health insurance coverage ¹⁰					
Under 65:					
Private	136,568	21,117	19,342	34,333	6,260
Medicaid	24,908	6,768	5,294	9,417	2,133
Other coverage	9,857	2,191	2,629	4,519	951
Uninsured	25,525	4,256	3,436	6,971	1,426
65 and over:					
Private	21,274	1,485	3,706	7,543	858
Medicare and Medicaid	3,529	576	952	1,712	308
Medicare Advantage	13,113	955	2,343	4,519	530
Medicare only	7,945	612	1,225	2,746	279
Other coverage	5,181	411	1,054	2,292	148
Uninsured	274	*	*	*	*
Marital status					
Married	130,518	18,773	20,685	38,887	6,254
Widowed	14,263	1,501	2,847	5,762	815
Divorced or separated	27,100	4,664	6,070	10,646	1,733
Never married	58,300	9,737	7,278	12,871	2,921
Living with a partner	18,856	3,910	3,185	6,141	1,171
Place of residence ¹¹					
Large MSA	142,041	19,995	21,161	38,852	6,608
Small MSA	75,044	12,625	12,857	24,161	4,312
Not in MSA	32,370	5,999	6,117	11,402	1,995
Region					
Northeast	43,262	5,893	6,658	12,568	2,155
Midwest	54,818	9,001	8,731	16,324	2,893
South	92,043	14,097	14,625	27,164	4,504
West	59,333	9,628	10,122	18,360	3,361

Selected characteristic	All adults aged 18 and over	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Hispanic or Latino origin ⁴ , race, and sex					
Hispanic or Latino, male	20,279	2,391	2,438	5,114	659
Hispanic or Latina, female	20,470	4,226	3,166	5,601	1,377
Not Hispanic or Latino:					
White, single race, male	76,416	8,069	12,240	23,185	2,710
White, single race, female	80,872	16,311	15,562	26,972	5,928
Black or African American, single race, male	13,250	1,361	1,358	2,940	573
Black or African American, single race, female	15,840	3,178	2,345	5,018	629

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

¹In four separate questions, respondents were asked, "During the past three months, did you have a severe headache or migraine?". They were also asked, "During the past three months, did you have neck pain?" and "During the past three months, did you have low back pain?" Lastly, they were asked, "During the past three months, did you have facial ache or pain in the jaw muscles or the joint in front of the ear?" Regarding all four questions, respondents were instructed to report pain that had lasted a whole day or more, and conversely, not to report fleeting or minor aches or pains. Persons may be represented in more than one column.

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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 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 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>).

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SOURCE: NCHS, National Health Interview Survey, 2018.

Table A-5c. Crude percentages (with standard errors) of migraines and pain in neck, lower back, face, or jaw among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Total	15.5 (0.29)	16.1 (0.29)	29.9 (0.38)	5.2 (0.17)
Sex				
Male	10.6 (0.37)	14.3 (0.40)	28.0 (0.54)	3.6 (0.21)
Female	20.1 (0.44)	17.7 (0.40)	31.6 (0.49)	6.7 (0.25)
Age (years)				
18–44	18.7 (0.46)	12.8 (0.42)	24.4 (0.55)	5.3 (0.26)
45–64	15.7 (0.50)	19.4 (0.51)	33.0 (0.65)	5.7 (0.31)
65–74	9.3 (0.53)	19.0 (0.73)	36.5 (0.91)	4.3 (0.36)
75 and over	6.1 (0.51)	17.0 (0.78)	37.3 (1.04)	3.9 (0.42)
Race				
One race ²	15.3 (0.29)	16.0 (0.29)	29.8 (0.38)	5.1 (0.17)
White	15.6 (0.32)	17.0 (0.34)	30.9 (0.42)	5.5 (0.20)
Black or African American	15.7 (0.82)	12.7 (0.68)	27.3 (1.00)	4.0 (0.44)
American Indian or Alaska Native	23.1 (2.96)	15.2 (2.36)	36.0 (3.97)	4.2 (0.93)
Asian	9.1 (0.99)	10.5 (0.93)	20.1 (1.43)	3.1 (0.56)
Native Hawaiian or Other Pacific Islander	*	17.6 (4.53)	28.3 (6.65)	*
Two or more races ³	23.9 (2.37)	20.0 (2.19)	33.7 (2.64)	7.8 (1.35)
Black or African American, white	19.8 (3.90)	15.5 (4.27)	27.1 (5.16)	*
American Indian or Alaska Native, white	31.4 (4.64)	26.8 (4.25)	46.5 (4.30)	9.1 (2.26)
Hispanic or Latino origin ⁴ and race				
Hispanic or Latino	16.2 (0.77)	13.8 (0.74)	26.3 (1.00)	5.0 (0.42)
Mexican or Mexican American	16.3 (1.05)	11.5 (0.95)	25.0 (1.29)	5.1 (0.60)
Not Hispanic or Latino	15.3 (0.31)	16.6 (0.31)	30.5 (0.40)	5.2 (0.19)
White, single race	15.5 (0.35)	17.7 (0.37)	31.9 (0.45)	5.5 (0.22)
Black or African American, single race	15.6 (0.85)	12.7 (0.70)	27.4 (1.02)	4.1 (0.46)
Education ⁵				
Less than a high school diploma	17.1 (0.89)	19.1 (0.98)	35.8 (1.25)	5.9 (0.54)
High school diploma or GED ⁶	15.6 (0.60)	17.6 (0.61)	35.3 (0.83)	4.7 (0.33)
Some college	17.6 (0.58)	19.2 (0.58)	34.4 (0.72)	6.0 (0.37)
Bachelor's degree or higher	13.0 (0.45)	14.8 (0.47)	25.7 (0.60)	4.9 (0.29)
Current employment status ⁷				
Employed	14.8 (0.35)	13.9 (0.34)	25.9 (0.45)	4.3 (0.21)
Full-time	14.3 (0.39)	13.7 (0.38)	26.0 (0.49)	4.1 (0.22)
Part-time	16.9 (0.95)	14.4 (0.87)	25.6 (1.04)	4.9 (0.58)
Not employed but has worked previously	16.8 (0.49)	21.3 (0.52)	38.9 (0.61)	7.2 (0.33)
Not employed and has never worked	16.3 (1.56)	12.1 (1.36)	23.0 (1.68)	3.7 (0.63)

Table A-5c. Crude percentages (with standard errors) of migraines and pain in neck, lower back, face, or jaw among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Family income ⁸				
Less than \$35,000	20.6 (0.60)	20.2 (0.59)	36.0 (0.74)	7.1 (0.38)
\$35,000 or more	13.9 (0.35)	14.8 (0.35)	28.1 (0.44)	4.5 (0.20)
\$35,000–\$49,999	15.5 (0.84)	17.8 (0.86)	32.8 (1.08)	5.9 (0.52)
\$50,000–\$74,999	15.9 (0.77)	16.2 (0.74)	32.7 (0.92)	4.7 (0.41)
\$75,000–\$99,999	14.0 (0.79)	14.5 (0.74)	29.1 (0.97)	4.6 (0.44)
\$100,000 or more	12.3 (0.51)	13.2 (0.53)	23.6 (0.65)	4.0 (0.32)
Poverty status ⁹				
Poor	23.4 (1.05)	20.2 (0.89)	35.2 (1.17)	7.7 (0.59)
Near poor	20.0 (0.77)	18.2 (0.75)	35.1 (0.95)	6.3 (0.48)
Not poor	13.5 (0.33)	15.1 (0.33)	28.0 (0.43)	4.6 (0.20)
Health insurance coverage ¹⁰				
Under 65:				
Private	15.5 (0.40)	14.2 (0.38)	25.2 (0.49)	4.6 (0.22)
Medicaid	27.2 (1.21)	21.3 (1.05)	37.8 (1.26)	8.6 (0.65)
Other coverage	22.2 (1.69)	26.7 (1.77)	45.8 (1.92)	9.6 (1.16)
Uninsured	16.7 (0.92)	13.5 (0.87)	27.3 (1.17)	5.6 (0.53)
65 and over:				
Private	7.0 (0.56)	17.4 (0.84)	35.5 (1.03)	4.0 (0.42)
Medicare and Medicaid	16.3 (1.90)	27.2 (2.19)	48.7 (2.46)	8.8 (1.50)
Medicare Advantage	7.3 (0.76)	17.9 (1.07)	34.5 (1.36)	4.0 (0.55)
Medicare only	7.7 (0.95)	15.4 (1.31)	34.7 (1.70)	3.5 (0.62)
Other coverage	7.9 (1.22)	20.3 (1.93)	44.2 (2.30)	2.9 (0.59)
Uninsured	*	*	*	*
Marital status				
Married	14.4 (0.37)	15.9 (0.39)	29.8 (0.52)	4.8 (0.23)
Widowed	10.5 (0.85)	20.0 (1.00)	40.4 (1.17)	5.7 (0.65)
Divorced or separated	17.2 (0.71)	22.4 (0.79)	39.3 (0.92)	6.4 (0.48)
Never married	16.7 (0.66)	12.5 (0.58)	22.1 (0.74)	5.0 (0.37)
Living with a partner	20.7 (1.13)	16.9 (1.11)	32.6 (1.42)	6.2 (0.67)
Place of residence ¹¹				
Large MSA	14.1 (0.37)	14.9 (0.36)	27.4 (0.47)	4.7 (0.22)
Small MSA	16.8 (0.56)	17.1 (0.57)	32.2 (0.74)	5.7 (0.30)
Not in MSA	18.5 (0.79)	18.9 (0.95)	35.2 (1.28)	6.2 (0.61)
Region				
Northeast	13.6 (0.67)	15.4 (0.73)	29.1 (0.91)	5.0 (0.43)
Midwest	16.4 (0.62)	15.9 (0.60)	29.8 (0.78)	5.3 (0.38)
South	15.3 (0.44)	15.9 (0.47)	29.5 (0.67)	4.9 (0.27)
West	16.2 (0.63)	17.1 (0.62)	31.0 (0.71)	5.7 (0.35)

Table A-5c. Crude percentages (with standard errors) of migraines and pain in neck, lower back, face, or jaw among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Hispanic or Latino origin ⁴ , race, and sex				
Hispanic or Latino, male	11.8 (1.07)	12.0 (1.10)	25.2 (1.48)	3.3 (0.57)
Hispanic or Latina, female	20.6 (1.11)	15.5 (1.00)	27.4 (1.30)	6.7 (0.64)
Not Hispanic or Latino:				
White, single race, male	10.6 (0.45)	16.0 (0.51)	30.4 (0.65)	3.5 (0.25)
White, single race, female	20.2 (0.53)	19.3 (0.51)	33.4 (0.58)	7.3 (0.34)
Black or African American, single race, male	10.3 (1.08)	10.3 (0.98)	22.2 (1.54)	4.3 (0.86)
Black or African American, single race, female	20.1 (1.26)	14.8 (1.03)	31.7 (1.42)	4.0 (0.50)

* Estimate does not meet NCHS standards of reliability.

¹In four separate questions, respondents were asked, "During the past three months, did you have a severe headache or migraine?". They were also asked, "During the past three months, did you have neck pain?" and "During the past three months, did you have low back pain?" Lastly, they were asked, "During the past three months, did you have facial ache or pain in the jaw muscles or the joint in front of the ear?" Regarding all four questions, respondents were instructed to report pain that had lasted a whole day or more, and conversely, not to report fleeting or minor aches or pains. Persons 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>).

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.