

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, 2016

Selected characteristic	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Total	15.3 (0.30)	14.9 (0.27)	28.4 (0.38)	4.7 (0.15)
Sex				
Male	10.2 (0.37)	13.0 (0.37)	26.8 (0.53)	3.0 (0.20)
Female	20.2 (0.44)	16.8 (0.38)	29.9 (0.50)	6.2 (0.23)
Age (years)				
18–44	17.9 (0.46)	12.1 (0.38)	24.4 (0.55)	4.6 (0.24)
45–64	15.6 (0.44)	19.6 (0.49)	33.2 (0.59)	5.4 (0.27)
65–74	8.0 (0.50)	16.2 (0.70)	32.8 (0.90)	4.1 (0.34)
75 and over	5.4 (0.47)	15.2 (0.78)	32.2 (1.01)	2.8 (0.30)
Race				
One race ²	15.2 (0.30)	14.8 (0.27)	28.3 (0.38)	4.6 (0.15)
White	15.8 (0.33)	15.8 (0.31)	29.1 (0.42)	4.9 (0.17)
Black or African American	14.6 (0.78)	12.5 (0.70)	27.9 (1.01)	4.4 (0.45)
American Indian or Alaska Native	16.2 (2.35)	14.7 (2.15)	34.8 (2.96)	6.2 (1.85)
Asian	9.8 (1.02)	8.0 (0.87)	18.8 (1.27)	2.1 (0.48)
Native Hawaiian or Other Pacific Islander	*	11.7 (3.07)	25.3 (4.69)	*
Two or more races ³	22.8 (2.20)	21.9 (2.17)	34.9 (2.45)	6.4 (1.11)
Black or African American, white	22.4 (6.14)	26.3 (6.96)	45.9 (6.30)	*
American Indian or Alaska Native, white	22.3 (3.09)	28.0 (3.93)	41.4 (4.11)	9.5 (2.42)
Hispanic or Latino origin ⁴ and race				
Hispanic or Latino	15.3 (0.76)	15.8 (0.85)	27.4 (0.97)	4.4 (0.40)
Mexican or Mexican American	14.3 (0.98)	13.3 (0.98)	25.2 (1.23)	4.4 (0.55)
Not Hispanic or Latino	15.5 (0.33)	14.9 (0.28)	28.6 (0.41)	4.8 (0.17)
White, single race	16.2 (0.36)	16.1 (0.33)	29.6 (0.45)	5.1 (0.19)
Black or African American, single race	14.3 (0.79)	12.0 (0.69)	27.5 (1.02)	4.3 (0.47)
Education ⁵				
Less than a high school diploma	19.3 (1.13)	20.7 (1.01)	35.7 (1.26)	5.6 (0.57)
High school diploma or GED ⁶	16.7 (0.66)	16.2 (0.61)	32.9 (0.82)	4.2 (0.35)
Some college	17.3 (0.55)	17.3 (0.52)	33.5 (0.67)	6.1 (0.32)
Bachelor's degree or higher	11.8 (0.45)	12.6 (0.44)	23.3 (0.57)	3.7 (0.24)
Current employment status ⁷				
Employed	12.9 (0.33)	12.5 (0.37)	24.8 (0.51)	3.4 (0.16)
Full-time	12.4 (0.36)	12.4 (0.62)	24.4 (0.72)	3.1 (0.17)
Part-time	14.3 (0.79)	13.5 (0.83)	25.5 (1.04)	4.3 (0.40)
Not employed but has worked previously	21.5 (0.73)	20.5 (0.64)	36.2 (0.77)	7.4 (0.44)
Not employed and has never worked	18.4 (1.40)	13.0 (1.21)	25.5 (1.57)	5.8 (0.82)

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, 2016

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	20.3 (0.57)	19.5 (0.51)	34.9 (0.68)	6.6 (0.32)
\$35,000 or more	13.7 (0.35)	13.3 (0.33)	26.4 (0.47)	3.9 (0.18)
\$35,000–\$49,999	15.8 (0.85)	16.6 (0.93)	30.6 (1.08)	5.3 (0.53)
\$50,000–\$74,999	16.1 (0.69)	13.7 (0.61)	27.9 (0.82)	4.1 (0.36)
\$75,000–\$99,999	14.2 (0.79)	13.2 (0.76)	27.2 (1.01)	4.1 (0.42)
\$100,000 or more	11.4 (0.59)	11.9 (0.53)	23.6 (0.76)	3.3 (0.29)
Poverty status ⁹				
Poor	21.7 (0.84)	21.0 (0.78)	36.8 (0.93)	6.9 (0.45)
Near poor	20.2 (0.79)	19.1 (0.76)	34.8 (0.97)	5.9 (0.44)
Not poor	13.3 (0.33)	13.1 (0.30)	25.8 (0.43)	4.0 (0.17)
Health insurance coverage ¹⁰				
Under 65:				
Private	14.9 (0.39)	13.1 (0.34)	24.3 (0.47)	4.1 (0.19)
Medicaid	25.4 (0.98)	21.5 (0.92)	38.2 (1.13)	7.8 (0.58)
Other coverage	27.0 (2.13)	25.2 (2.06)	42.0 (2.26)	8.9 (1.20)
Uninsured	16.7 (0.97)	13.1 (0.79)	28.5 (1.20)	4.4 (0.47)
65 and over:				
Private	6.1 (0.49)	14.3 (0.76)	31.5 (1.06)	2.9 (0.30)
Medicare and Medicaid	12.5 (1.48)	22.7 (1.90)	44.7 (2.61)	5.3 (0.95)
Medicare Advantage	6.3 (0.70)	14.5 (1.01)	30.9 (1.32)	3.7 (0.53)
Medicare only	7.5 (0.79)	16.6 (1.35)	31.6 (1.51)	3.8 (0.58)
Other coverage	6.0 (1.07)	19.7 (1.92)	35.3 (2.29)	3.9 (0.82)
Uninsured	*	*	*	*
Marital status				
Married	14.5 (0.43)	14.2 (0.39)	28.5 (0.54)	4.1 (0.21)
Widowed	25.6 (5.18)	17.9 (2.79)	39.4 (4.82)	*
Divorced or separated	18.5 (0.90)	18.4 (0.83)	33.2 (1.11)	6.1 (0.50)
Never married	14.9 (0.55)	15.0 (0.69)	25.2 (0.80)	5.2 (0.41)
Living with a partner	19.0 (1.13)	18.5 (1.13)	35.1 (1.44)	5.4 (0.62)
Place of residence ¹¹				
Large MSA	13.7 (0.42)	13.6 (0.37)	26.0 (0.52)	4.3 (0.21)
Small MSA	17.0 (0.50)	16.4 (0.47)	31.0 (0.67)	5.1 (0.25)
Not in MSA	18.8 (0.77)	17.1 (0.64)	33.1 (0.95)	5.2 (0.41)
Region				
Northeast	13.8 (0.71)	13.6 (0.62)	26.8 (0.85)	4.7 (0.42)
Midwest	16.3 (0.61)	14.8 (0.58)	29.3 (0.80)	4.9 (0.30)
South	15.9 (0.55)	14.9 (0.45)	28.3 (0.67)	4.3 (0.25)
West	15.0 (0.54)	16.1 (0.55)	29.1 (0.77)	4.9 (0.29)

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, 2016

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	9.5 (0.91)	12.4 (1.09)	24.9 (1.30)	2.8 (0.46)
Hispanic or Latina, female	21.1 (1.20)	19.0 (1.23)	29.8 (1.45)	5.8 (0.63)
Not Hispanic or Latino:				
White, single race, male	10.9 (0.45)	14.5 (0.46)	28.6 (0.63)	3.2 (0.25)
White, single race, female	21.4 (0.54)	17.6 (0.46)	30.5 (0.61)	7.0 (0.31)
Black or African American, single race, male	9.5 (1.13)	9.2 (1.11)	23.9 (1.48)	2.9 (0.75)
Black or African American, single race, female	18.4 (1.15)	14.1 (0.88)	30.4 (1.29)	5.5 (0.61)

* 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.

** Complement of the 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).

- Quantity zero.

¹In 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?" Lastly, they were asked, "During the past three months, did you have low back pain?" Regarding all three 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>). Suggested citation: Blackwell DL, Villarreal MA. Tables of Summary Health Statistics for U.S. Adults: 2016 National Health Interview Survey. National Center for Health Statistics. 2018. Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2016.

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, 2016

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	245,142	36,734	37,668	71,070	11,481
Sex					
Male	118,223	11,881	15,741	32,362	3,534
Female	126,920	24,853	21,927	38,708	7,947
Age (years)					
18–44	113,401	20,326	13,678	27,685	5,248
45–64	83,703	13,061	16,410	27,776	4,515
65–74	28,532	2,290	4,621	9,343	1,177
75 and over	19,507	1,057	2,959	6,267	541
Race					
One race ²	240,410	35,631	36,723	69,462	11,185
White	192,455	29,250	31,333	57,267	9,390
Black or African American	30,105	4,435	3,805	8,483	1,318
American Indian or Alaska Native	2,460	411	341	815	139
Asian	14,853	1,466	1,188	2,776	310
Native Hawaiian or Other Pacific Islander	538	*	*	121	*
Two or more races ³	4,732	1,103	945	1,608	297
Black or African American, white	816	206	*	334	*
American Indian or Alaska Native, white	1,763	407	502	735	174
Hispanic or Latino origin ⁴ and race					
Hispanic or Latino	38,782	6,153	5,847	10,426	1,671
Mexican or Mexican American	23,240	3,448	2,819	5,657	980
Not Hispanic or Latino	206,360	30,581	31,821	60,645	9,811
White, single race	157,505	23,782	26,104	48,076	7,927
Black or African American, single race	28,757	4,168	3,486	7,979	1,244
Education ⁵					
Less than a high school diploma	26,459	4,803	5,689	9,713	1,496
High school diploma or GED ⁶	51,932	8,031	8,708	17,460	2,136
Some college	61,937	10,527	10,988	20,956	3,807
Bachelor's degree or higher	74,100	8,760	9,426	17,290	2,791
Current employment status ⁷					
Employed	150,236	21,074	19,286	37,671	5,604
Full-time	120,071	16,511	15,158	29,844	4,134
Part-time	27,966	4,170	3,774	7,144	1,261
Not employed but has worked previously	81,641	13,411	16,819	30,233	5,172
Not employed and has never worked	13,099	2,248	1,531	3,132	704

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, 2016

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	66,236	12,940	13,029	23,303	4,251
\$35,000 or more	153,049	20,923	20,927	41,012	6,155
\$35,000–\$49,999	24,929	3,806	4,132	7,702	1,295
\$50,000–\$74,999	38,167	6,044	5,273	10,780	1,593
\$75,000–\$99,999	27,484	3,863	3,748	7,588	1,156
\$100,000 or more	62,469	7,210	7,774	14,942	2,111
Poverty status ⁹					
Poor	28,852	6,362	5,714	10,213	1,976
Near poor	40,911	7,997	7,798	14,233	2,375
Not poor	162,870	21,007	22,166	43,263	6,512
Health insurance coverage ¹⁰					
Under 65:					
Private	136,020	19,916	18,443	33,819	5,631
Medicaid	28,037	7,109	6,006	10,705	2,179
Other coverage	8,873	2,331	2,589	4,202	852
Uninsured	22,734	3,799	2,904	6,415	995
65 and over:					
Private	20,020	1,231	2,858	6,289	604
Medicare and Medicaid	3,360	421	762	1,502	177
Medicare Advantage	12,135	786	1,747	3,745	456
Medicare only	8,167	638	1,383	2,578	314
Other coverage	3,891	243	783	1,408	156
Uninsured	336	*	*	*	*
Marital status					
Married	130,447	17,907	19,579	38,139	5,357
Widowed	14,066	1,524	2,581	5,137	612
Divorced or separated	27,343	4,663	5,551	9,604	1,717
Never married	54,432	8,761	6,798	12,011	2,756
Living with a partner	18,527	3,817	3,124	6,075	1,035
Place of residence ¹¹					
Large MSA	137,266	18,569	19,031	36,138	5,912
Small MSA	73,222	12,067	12,402	23,183	3,790
Not in MSA	34,654	6,098	6,235	11,748	1,779
Region					
Northeast	44,851	5,897	6,324	12,378	2,144
Midwest	54,359	8,565	8,241	16,115	2,620
South	87,402	13,534	13,548	25,389	3,835
West	58,531	8,737	9,555	17,188	2,882

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, 2016

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	19,292	1,913	2,270	4,690	557
Hispanic or Latina, female	19,489	4,240	3,577	5,735	1,114
Not Hispanic or Latino:					
White, single race, male	76,525	7,834	11,402	22,643	2,352
White, single race, female	80,980	15,947	14,702	25,432	5,575
Black or African American, single race, male	12,928	1,241	1,203	3,093	365
Black or African American, single race, female	15,829	2,928	2,283	4,886	879

* 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.

** Complement of the 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).

- Quantity zero.

¹In 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?" Lastly, they were asked, "During the past three months, did you have low back pain?" Regarding all three 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 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: Blackwell DL, Villarroel MA. Tables of Summary Health Statistics for U.S. Adults: 2016 National Health Interview Survey. National Center for Health Statistics. 2018. Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2016.

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, 2016

Selected characteristic	Migraines or severe headaches ¹	Pain in neck ¹	Pain in lower back ¹	Pain in face or jaw ¹
Total	15.0 (0.29)	15.4 (0.27)	29.0 (0.38)	4.7 (0.15)
Sex				
Male	10.1 (0.36)	13.3 (0.37)	27.4 (0.53)	3.0 (0.19)
Female	19.6 (0.42)	17.3 (0.38)	30.5 (0.49)	6.3 (0.22)
Age (years)				
18–44	17.9 (0.46)	12.1 (0.38)	24.4 (0.55)	4.6 (0.24)
45–64	15.6 (0.44)	19.6 (0.49)	33.2 (0.59)	5.4 (0.27)
65–74	8.0 (0.50)	16.2 (0.70)	32.8 (0.90)	4.1 (0.34)
75 and over	5.4 (0.47)	15.2 (0.78)	32.2 (1.01)	2.8 (0.30)
Race				
One race ²	14.8 (0.29)	15.3 (0.27)	28.9 (0.38)	4.7 (0.15)
White	15.2 (0.31)	16.3 (0.31)	29.8 (0.41)	4.9 (0.16)
Black or African American	14.7 (0.79)	12.6 (0.71)	28.2 (1.04)	4.4 (0.44)
American Indian or Alaska Native	16.7 (2.44)	13.8 (2.09)	33.1 (3.22)	5.7 (1.66)
Asian	9.9 (1.02)	8.0 (0.89)	18.7 (1.27)	2.1 (0.49)
Native Hawaiian or Other Pacific Islander	*	*	22.5 (5.10)	*
Two or more races ³	23.3 (2.36)	20.0 (2.17)	34.0 (2.58)	6.3 (1.17)
Black or African American, white	25.3 (6.42)	*	41.0 (6.79)	*
American Indian or Alaska Native, white	23.1 (3.26)	28.5 (3.82)	41.7 (4.05)	9.9 (2.39)
Hispanic or Latino origin ⁴ and race				
Hispanic or Latino	15.9 (0.78)	15.1 (0.82)	26.9 (0.98)	4.3 (0.40)
Mexican or Mexican American	14.8 (0.99)	12.1 (0.93)	24.3 (1.26)	4.2 (0.51)
Not Hispanic or Latino	14.8 (0.31)	15.4 (0.28)	29.4 (0.40)	4.8 (0.16)
White, single race	15.1 (0.33)	16.6 (0.31)	30.6 (0.44)	5.0 (0.18)
Black or African American, single race	14.5 (0.80)	12.1 (0.70)	27.8 (1.05)	4.3 (0.46)
Education ⁵				
Less than a high school diploma	18.2 (0.97)	21.5 (0.95)	36.7 (1.15)	5.7 (0.52)
High school diploma or GED ⁶	15.5 (0.58)	16.8 (0.58)	33.7 (0.77)	4.1 (0.31)
Some college	17.0 (0.55)	17.8 (0.53)	33.9 (0.67)	6.2 (0.32)
Bachelor's degree or higher	11.8 (0.45)	12.7 (0.45)	23.3 (0.57)	3.8 (0.24)
Current employment status ⁷				
Employed	14.0 (0.35)	12.8 (0.31)	25.1 (0.45)	3.7 (0.17)
Full-time	13.8 (0.38)	12.6 (0.34)	24.9 (0.48)	3.4 (0.18)
Part-time	14.9 (0.83)	13.5 (0.84)	25.5 (1.03)	4.5 (0.42)
Not employed but has worked previously	16.4 (0.49)	20.6 (0.50)	37.1 (0.61)	6.3 (0.29)
Not employed and has never worked	17.2 (1.28)	11.7 (1.07)	24.0 (1.51)	5.4 (0.75)

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, 2016

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	19.5 (0.54)	19.7 (0.51)	35.2 (0.67)	6.4 (0.31)
\$35,000 or more	13.7 (0.35)	13.7 (0.33)	26.8 (0.46)	4.0 (0.18)
\$35,000–\$49,999	15.3 (0.82)	16.6 (0.90)	30.9 (1.05)	5.2 (0.52)
\$50,000–\$74,999	15.8 (0.68)	13.8 (0.62)	28.3 (0.81)	4.2 (0.36)
\$75,000–\$99,999	14.1 (0.78)	13.7 (0.77)	27.6 (1.00)	4.2 (0.43)
\$100,000 or more	11.5 (0.58)	12.4 (0.53)	23.9 (0.71)	3.4 (0.27)
Poverty status ⁹				
Poor	22.1 (0.84)	19.8 (0.77)	35.4 (0.97)	6.9 (0.45)
Near poor	19.6 (0.76)	19.1 (0.75)	34.8 (0.96)	5.8 (0.42)
Not poor	12.9 (0.32)	13.6 (0.30)	26.6 (0.42)	4.0 (0.17)
Health insurance coverage ¹⁰				
Under 65:				
Private	14.6 (0.39)	13.6 (0.34)	24.9 (0.47)	4.1 (0.19)
Medicaid	25.4 (0.98)	21.4 (0.93)	38.2 (1.13)	7.8 (0.58)
Other coverage	26.3 (1.71)	29.2 (1.79)	47.4 (1.86)	9.6 (1.02)
Uninsured	16.7 (0.99)	12.8 (0.80)	28.2 (1.20)	4.4 (0.47)
65 and over:				
Private	6.2 (0.49)	14.3 (0.75)	31.5 (1.04)	3.0 (0.32)
Medicare and Medicaid	12.5 (1.50)	22.7 (1.90)	44.8 (2.61)	5.3 (0.96)
Medicare Advantage	6.5 (0.72)	14.4 (0.99)	30.9 (1.32)	3.8 (0.54)
Medicare only	7.8 (0.84)	16.9 (1.38)	31.6 (1.52)	3.9 (0.60)
Other coverage	6.2 (1.06)	20.1 (1.95)	36.2 (2.33)	4.0 (0.86)
Uninsured	*	*	*	*
Marital status				
Married	13.7 (0.39)	15.0 (0.37)	29.3 (0.51)	4.1 (0.20)
Widowed	10.8 (0.79)	18.4 (0.89)	36.6 (1.09)	4.4 (0.40)
Divorced or separated	17.1 (0.71)	20.3 (0.77)	35.2 (0.90)	6.3 (0.40)
Never married	16.1 (0.59)	12.5 (0.55)	22.1 (0.70)	5.1 (0.35)
Living with a partner	20.6 (1.15)	16.9 (1.00)	32.8 (1.30)	5.6 (0.60)
Place of residence ¹¹				
Large MSA	13.5 (0.41)	13.9 (0.37)	26.3 (0.52)	4.3 (0.21)
Small MSA	16.5 (0.49)	17.0 (0.49)	31.7 (0.66)	5.2 (0.24)
Not in MSA	17.6 (0.67)	18.0 (0.65)	33.9 (0.90)	5.1 (0.38)
Region				
Northeast	13.2 (0.65)	14.1 (0.60)	27.6 (0.81)	4.8 (0.39)
Midwest	15.8 (0.59)	15.2 (0.58)	29.7 (0.79)	4.8 (0.28)
South	15.5 (0.53)	15.5 (0.45)	29.1 (0.66)	4.4 (0.24)
West	14.9 (0.54)	16.3 (0.56)	29.4 (0.77)	4.9 (0.29)

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, 2016

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	9.9 (0.96)	11.8 (1.08)	24.3 (1.32)	2.9 (0.47)
Hispanic or Latina, female	21.8 (1.23)	18.4 (1.21)	29.4 (1.46)	5.7 (0.62)
Not Hispanic or Latino:				
White, single race, male	10.2 (0.40)	14.9 (0.44)	29.6 (0.62)	3.1 (0.23)
White, single race, female	19.7 (0.49)	18.2 (0.45)	31.5 (0.58)	6.9 (0.28)
Black or African American, single race, male	9.6 (1.13)	9.3 (1.12)	23.9 (1.51)	2.8 (0.73)
Black or African American, single race, female	18.5 (1.16)	14.4 (0.91)	30.9 (1.31)	5.6 (0.62)

* 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.

** Complement of the 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).

- Quantity zero.

¹In 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?" Lastly, they were asked, "During the past three months, did you have low back pain?" Regarding all three 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: Blackwell DL, Villarroel MA. Tables of Summary Health Statistics for U.S. Adults: 2016 National Health Interview Survey. National Center for Health Statistics. 2018. Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2016.