

Table A-2a. Age-adjusted percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Total	1.2 (0.07)	13.6 (0.27)	7.7 (0.20)	7.7 (0.21)	12.0 (0.25)	3.3 (0.12)
Sex						
Male	1.3 (0.11)	12.0 (0.38)	5.4 (0.26)	6.8 (0.28)	8.8 (0.33)	2.0 (0.16)
Female	1.2 (0.09)	15.0 (0.38)	9.8 (0.32)	8.5 (0.28)	15.0 (0.37)	4.4 (0.19)
Age (years)						
18–44	0.1 (0.04)	14.8 (0.41)	7.5 (0.30)	5.3 (0.27)	8.7 (0.33)	2.0 (0.17)
45–64	1.7 (0.16)	13.0 (0.42)	8.5 (0.36)	11.0 (0.43)	15.8 (0.50)	4.5 (0.25)
65–74	3.1 (0.32)	11.9 (0.57)	7.5 (0.47)	10.3 (0.56)	16.4 (0.65)	5.1 (0.35)
75 and over	4.6 (0.47)	10.0 (0.65)	6.2 (0.54)	8.0 (0.58)	14.8 (0.78)	5.0 (0.45)
Race						
One race ²	1.2 (0.07)	13.5 (0.27)	7.7 (0.21)	7.6 (0.21)	12.0 (0.25)	3.3 (0.12)
White	1.3 (0.08)	14.0 (0.31)	7.8 (0.24)	8.2 (0.25)	12.7 (0.28)	3.3 (0.14)
Black or African American	0.8 (0.18)	14.0 (0.74)	8.9 (0.61)	4.8 (0.48)	10.7 (0.64)	3.7 (0.40)
American Indian or Alaska Native	0.6 (0.34)	10.0 (2.03)	7.7 (1.88)	*	9.2 (2.19)	2.9 (1.07)
Asian	0.7 (0.29)	8.5 (0.88)	4.6 (0.67)	7.1 (0.82)	7.2 (0.88)	2.1 (0.48)
Native Hawaiian or Other Pacific Islander	*	*	*	*	*	*
Two or more races ³	2.7 (0.98)	17.9 (2.02)	8.9 (1.49)	11.4 (1.67)	13.4 (1.46)	3.7 (0.87)
Black or African American, white	-	16.1 (4.33)	*	*	*	*
American Indian or Alaska Native, white	*	18.3 (3.62)	8.9 (2.57)	13.0 (2.91)	19.3 (3.11)	*
Hispanic or Latino origin ⁴ and race						
Hispanic or Latino	0.9 (0.24)	11.7 (0.75)	5.8 (0.54)	5.4 (0.54)	8.0 (0.60)	2.3 (0.28)
Mexican or Mexican American	0.5 (0.17)	10.7 (0.92)	4.5 (0.61)	5.6 (0.71)	7.9 (0.83)	2.7 (0.42)
Not Hispanic or Latino	1.3 (0.08)	14.0 (0.28)	8.1 (0.22)	8.1 (0.24)	12.7 (0.28)	3.5 (0.14)
White, single race	1.4 (0.09)	14.5 (0.34)	8.3 (0.26)	8.8 (0.29)	13.7 (0.34)	3.5 (0.16)
Black or African American, single race	0.9 (0.18)	14.4 (0.78)	9.1 (0.63)	4.8 (0.50)	11.1 (0.67)	3.9 (0.42)
Education ⁵						
Less than a high school diploma	2.6 (0.29)	12.2 (0.88)	8.0 (0.67)	6.1 (0.66)	9.9 (0.72)	4.7 (0.54)
High school diploma or GED ⁶	1.9 (0.19)	12.1 (0.56)	7.6 (0.48)	6.4 (0.41)	11.5 (0.51)	4.1 (0.30)
Some college	1.3 (0.14)	15.0 (0.53)	8.8 (0.40)	8.6 (0.43)	15.4 (0.56)	4.4 (0.27)
Bachelor's degree or higher	0.7 (0.09)	12.7 (0.40)	6.8 (0.30)	9.9 (0.41)	13.0 (0.42)	2.3 (0.19)
Current employment status ⁷						
Employed	0.5 (0.09)	12.5 (0.36)	6.6 (0.26)	7.3 (0.30)	11.4 (0.38)	2.4 (0.15)
Full-time	0.4 (0.09)	11.9 (0.41)	6.2 (0.26)	6.8 (0.29)	11.1 (0.47)	2.1 (0.15)
Part-time	0.5 (0.16)	14.1 (0.84)	7.8 (0.69)	7.9 (0.70)	11.9 (0.78)	3.3 (0.45)
Not employed but has worked previously	2.2 (0.17)	16.5 (0.63)	10.5 (0.53)	8.8 (0.48)	14.1 (0.60)	5.1 (0.33)
Not employed and has never worked	1.5 (0.38)	9.9 (1.03)	5.9 (0.76)	5.1 (0.78)	7.9 (0.94)	2.9 (0.55)

Table A-2a. Age-adjusted percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Family income⁸						
Less than \$35,000	2.5 (0.20)	17.0 (0.52)	10.7 (0.44)	7.0 (0.37)	12.3 (0.46)	5.2 (0.27)
\$35,000 or more	0.9 (0.08)	12.7 (0.33)	6.8 (0.24)	7.9 (0.27)	12.2 (0.30)	2.7 (0.15)
\$35,000–\$49,999	1.6 (0.25)	12.0 (0.75)	6.7 (0.56)	5.5 (0.52)	12.5 (0.74)	3.0 (0.33)
\$50,000–\$74,999	0.9 (0.16)	13.6 (0.69)	7.1 (0.51)	8.0 (0.50)	12.1 (0.58)	4.0 (0.37)
\$75,000–\$99,999	0.9 (0.18)	12.0 (0.76)	6.8 (0.57)	8.8 (0.66)	12.4 (0.70)	2.8 (0.36)
\$100,000 or more	0.5 (0.12)	12.5 (0.54)	6.5 (0.38)	8.4 (0.43)	12.1 (0.51)	1.8 (0.23)
Poverty status⁹						
Poor	3.1 (0.32)	18.2 (0.81)	12.4 (0.71)	7.6 (0.57)	12.5 (0.69)	6.0 (0.49)
Near poor	1.9 (0.22)	13.9 (0.64)	8.1 (0.48)	6.1 (0.48)	11.5 (0.59)	4.5 (0.37)
Not poor	0.9 (0.07)	12.7 (0.32)	6.8 (0.24)	8.0 (0.27)	12.3 (0.30)	2.6 (0.14)
Health insurance coverage¹⁰						
Under 65:						
Private	0.4 (0.05)	13.6 (0.38)	7.3 (0.28)	8.0 (0.30)	11.6 (0.33)	2.3 (0.15)
Medicaid	2.0 (0.27)	20.2 (1.02)	13.4 (0.82)	7.5 (0.71)	12.4 (0.93)	5.9 (0.51)
Other coverage	2.0 (0.35)	16.1 (1.66)	8.3 (1.01)	7.7 (0.94)	13.8 (1.43)	4.7 (0.66)
Uninsured	0.5 (0.16)	10.4 (0.78)	5.3 (0.55)	3.8 (0.44)	8.2 (0.68)	2.8 (0.41)
65 and over:						
Private	3.5 (0.38)	10.6 (0.61)	6.6 (0.50)	9.1 (0.61)	16.4 (0.83)	4.5 (0.42)
Medicare and Medicaid	6.1 (1.11)	13.5 (1.63)	10.4 (1.44)	10.2 (1.45)	17.1 (1.83)	7.9 (1.18)
Medicare Advantage	3.4 (0.47)	11.3 (0.91)	6.6 (0.73)	9.8 (0.83)	15.1 (0.97)	4.9 (0.53)
Medicare only	2.5 (0.58)	9.6 (0.91)	5.9 (0.73)	8.4 (0.99)	14.3 (1.13)	4.7 (0.64)
Other coverage	8.6 (1.67)	13.0 (1.82)	8.4 (1.44)	9.5 (1.63)	16.1 (1.72)	7.6 (1.39)
Uninsured	*	*	*	*	*	*
Marital status						
Married	1.0 (0.10)	11.9 (0.37)	6.7 (0.28)	8.1 (0.31)	12.4 (0.36)	2.7 (0.16)
Widowed	2.3 (0.47)	13.3 (2.76)	10.3 (2.68)	14.7 (3.68)	21.1 (3.67)	*
Divorced or separated	1.8 (0.20)	14.9 (0.80)	8.6 (0.61)	8.5 (0.59)	13.5 (0.72)	5.0 (0.47)
Never married	1.0 (0.21)	14.9 (0.62)	8.6 (0.47)	7.2 (0.46)	10.8 (0.59)	3.3 (0.32)
Living with a partner	1.9 (0.58)	15.3 (1.16)	8.6 (0.88)	7.6 (1.03)	12.4 (1.33)	4.1 (0.66)
Place of residence¹¹						
Large MSA	1.0 (0.09)	13.3 (0.37)	7.5 (0.29)	7.5 (0.27)	10.5 (0.31)	2.9 (0.17)
Small MSA	1.3 (0.14)	14.0 (0.45)	7.9 (0.32)	8.1 (0.42)	13.7 (0.50)	3.6 (0.23)
Not in MSA	1.9 (0.22)	13.9 (0.66)	8.1 (0.52)	7.5 (0.61)	14.7 (0.84)	4.5 (0.35)
Region						
Northeast	1.0 (0.15)	13.5 (0.63)	8.1 (0.53)	7.1 (0.49)	9.8 (0.55)	3.3 (0.36)
Midwest	1.5 (0.16)	14.2 (0.52)	8.2 (0.43)	6.7 (0.37)	12.5 (0.53)	3.6 (0.24)
South	1.4 (0.13)	12.5 (0.41)	7.4 (0.31)	6.9 (0.34)	13.8 (0.42)	3.8 (0.21)
West	0.9 (0.12)	14.9 (0.62)	7.4 (0.42)	10.3 (0.50)	10.4 (0.53)	2.2 (0.18)

Table A-2a. Age-adjusted percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Hispanic or Latino origin ⁴ , race, and sex						
Hispanic or Latino, male	1.4 (0.51)	11.1 (1.08)	4.4 (0.72)	5.4 (0.77)	5.8 (0.68)	1.9 (0.42)
Hispanic or Latina, female	0.6 (0.18)	12.1 (0.98)	7.1 (0.79)	5.3 (0.74)	10.2 (0.94)	2.6 (0.36)
Not Hispanic or Latino:						
White, single race, male	1.4 (0.13)	12.6 (0.46)	5.9 (0.32)	7.7 (0.38)	10.1 (0.44)	2.0 (0.16)
White, single race, female	1.3 (0.12)	16.3 (0.49)	10.5 (0.41)	9.8 (0.38)	17.2 (0.49)	5.0 (0.27)
Black or African American, single race, male	0.7 (0.25)	12.5 (1.20)	5.5 (0.77)	3.8 (0.68)	7.0 (0.95)	2.3 (0.58)
Black or African American, single race, female	1.0 (0.26)	15.8 (1.06)	12.0 (0.96)	5.4 (0.65)	14.3 (0.91)	5.1 (0.56)

* 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/sr02/sr02_175.pdf), and is not shown.

- Quantity zero.

¹ Respondents were asked in two separate questions if they had ever been told by a doctor or other health professional that they had emphysema or asthma. Respondents who had been told they had asthma were asked if they still had asthma. Respondents were asked in three separate questions if they had been told by a doctor or other health professional in the past 12 months that they had hay fever, sinusitis, or chronic bronchitis. A person may be represented in more than one column.

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

³ Refers 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.

⁴ Refers 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.

⁵ Shown 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.

⁶ GED 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.

⁸ Includes 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.

¹⁰ Based 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.

¹¹ MSA 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: 2017 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, 2017.

Table A-2b. Frequencies (in thousands) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	All adults aged 18 and over	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Total	246,657	3,418	33,090	19,009	19,883	30,837	8,568
Sex							
Male	118,990	1,703	14,036	6,466	8,428	10,817	2,556
Female	127,667	1,714	19,054	12,544	11,455	20,020	6,011
Age (years)							
18–44	113,636	130	16,771	8,518	6,048	9,875	2,272
45–64	83,494	1,442	10,817	7,044	9,204	13,176	3,782
65–74	29,454	922	3,493	2,211	3,016	4,810	1,504
75 and over	20,073	923	2,009	1,236	1,614	2,977	1,009
Race							
One race ²	241,760	3,308	32,204	18,592	19,351	30,217	8,406
White	192,033	2,957	26,171	14,865	16,589	25,510	6,818
Black or African American	30,560	230	4,353	2,749	1,490	3,295	1,149
American Indian or Alaska Native	2,944	16	300	225	139	271	85
Asian	15,675	90	1,318	706	1,112	1,133	323
Native Hawaiian or Other Pacific Islander	548	*	*	*	*	*	*
Two or more races ³	4,897	110	886	417	532	620	162
Black or African American, white	1,183	-	191	*	*	*	*
American Indian or Alaska Native, white	1,863	*	339	175	263	379	*
Hispanic or Latino origin ⁴ and race							
Hispanic or Latino	39,416	242	4,663	2,276	1,995	3,035	829
Mexican or Mexican American	23,657	86	2,578	1,069	1,316	1,790	564
Not Hispanic or Latino	207,242	3,175	28,427	16,733	17,888	27,802	7,739
White, single race	157,443	2,714	21,851	12,800	14,848	22,807	6,119
Black or African American, single race	29,127	230	4,239	2,679	1,426	3,252	1,130
Education ⁵							
Less than a high school diploma	24,473	840	3,006	2,063	1,624	2,700	1,245
High school diploma or GED ⁶	51,376	1,160	6,118	3,937	3,497	6,256	2,276
Some college	61,418	896	9,054	5,308	5,554	9,823	2,789
Bachelor's degree or higher	78,981	484	10,019	5,374	7,962	10,331	1,809
Current employment status ⁷							
Employed	154,311	638	20,027	10,693	11,357	17,245	3,716
Full-time	126,572	514	15,979	8,484	9,227	14,189	2,873
Part-time	25,582	120	3,706	2,041	1,980	2,904	822
Not employed but has worked previously	79,750	2,614	11,811	7,605	7,900	12,680	4,540
Not employed and has never worked	12,466	161	1,248	711	625	906	311

Table A-2b. Frequencies (in thousands) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	All adults aged 18 and over	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Family income⁸							
Less than \$35,000	62,681	1,777	10,377	6,581	4,587	8,065	3,409
\$35,000 or more	158,267	1,354	19,920	10,775	13,232	19,982	4,451
\$35,000–\$49,999	24,774	443	2,980	1,653	1,438	3,172	765
\$50,000–\$74,999	38,018	348	5,108	2,717	3,124	4,709	1,546
\$75,000–\$99,999	28,310	239	3,353	1,938	2,560	3,640	817
\$100,000 or more	67,166	323	8,479	4,468	6,110	8,462	1,323
Poverty status⁹							
Poor	27,569	778	5,021	3,363	2,013	3,294	1,582
Near poor	39,410	844	5,443	3,179	2,455	4,631	1,832
Not poor	167,503	1,661	20,979	11,505	14,328	21,552	4,726
Health insurance coverage¹⁰							
Under 65:							
Private	136,430	624	18,172	9,839	11,552	16,463	3,259
Medicaid	25,831	505	5,208	3,434	1,919	3,170	1,493
Other coverage	9,334	321	1,537	940	879	1,442	600
Uninsured	24,357	122	2,540	1,284	877	1,933	649
65 and over:							
Private	20,155	666	2,203	1,359	1,860	3,301	890
Medicare and Medicaid	3,643	224	491	381	378	624	286
Medicare Advantage	13,349	449	1,507	892	1,331	2,034	662
Medicare only	8,457	211	823	511	715	1,205	395
Other coverage	3,578	295	468	296	347	592	265
Uninsured	261	*	*	*	*	*	*
Marital status							
Married	129,268	1,559	15,131	8,850	11,388	17,089	3,988
Widowed	14,492	715	1,795	1,175	1,403	2,726	1,018
Divorced or separated	27,735	743	4,168	2,572	2,753	4,188	1,549
Never married	55,574	221	8,810	4,721	3,204	4,922	1,337
Living with a partner	19,212	179	3,128	1,656	1,119	1,884	670
Place of residence¹¹							
Large MSA	142,082	1,580	18,760	10,675	11,062	15,445	4,216
Small MSA	73,127	1,092	10,060	5,765	6,323	10,497	2,806
Not in MSA	31,448	745	4,270	2,570	2,498	4,895	1,546
Region							
Northeast	45,169	558	5,837	3,623	3,399	4,704	1,638
Midwest	53,793	876	7,516	4,380	3,831	6,937	2,021
South	89,318	1,415	11,128	6,707	6,544	13,015	3,578
West	58,377	569	8,610	4,299	6,109	6,181	1,331

Table A-2b. Frequencies (in thousands) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	All adults aged 18 and over	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Hispanic or Latino origin ⁴ , race, and sex							
Hispanic or Latino, male	19,584	157	2,282	883	993	1,081	361
Hispanic or Latina, female	19,832	85	2,381	1,392	1,002	1,954	468
Not Hispanic or Latino:							
White, single race, male	76,561	1,363	9,152	4,472	6,300	8,169	1,748
White, single race, female	80,881	1,352	12,698	8,329	8,548	14,637	4,371
Black or African American, single race, male	13,175	79	1,687	746	522	930	297
Black or African American, single race, female	15,952	151	2,552	1,933	904	2,322	833

* 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), and is not shown.

- Quantity zero.

¹ Respondents were asked in two separate questions if they had ever been told by a doctor or other health professional that they had emphysema or asthma. Respondents who had been told they had asthma were asked if they still had asthma. Respondents were asked in three separate questions if they had been told by a doctor or other health professional in the past 12 months that they had hay fever, sinusitis, or chronic bronchitis. A person may be represented in more than one column.

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

³ Refers 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.

⁴ Refers 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.

⁵ Shown only for adults aged 25 and over.

⁶ GED 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.

⁸ Includes 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.

¹⁰ Based 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.

¹¹ MSA 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, Villarreal MA. Tables of Summary Health Statistics for U.S. Adults: 2017 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, 2017.

Table A-2c. Crude percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Total	1.4 (0.08)	13.4 (0.26)	7.7 (0.20)	8.1 (0.22)	12.5 (0.26)	3.5 (0.12)
Sex						
Male	1.4 (0.12)	11.8 (0.36)	5.4 (0.25)	7.1 (0.29)	9.1 (0.34)	2.1 (0.16)
Female	1.3 (0.10)	14.9 (0.37)	9.8 (0.31)	9.0 (0.29)	15.7 (0.37)	4.7 (0.19)
Age (years)						
18–44	0.1 (0.04)	14.8 (0.41)	7.5 (0.30)	5.3 (0.27)	8.7 (0.33)	2.0 (0.17)
45–64	1.7 (0.16)	13.0 (0.42)	8.5 (0.36)	11.0 (0.43)	15.8 (0.50)	4.5 (0.25)
65–74	3.1 (0.32)	11.9 (0.57)	7.5 (0.47)	10.3 (0.56)	16.4 (0.65)	5.1 (0.35)
75 and over	4.6 (0.47)	10.0 (0.65)	6.2 (0.54)	8.0 (0.58)	14.8 (0.78)	5.0 (0.45)
Race						
One race ²	1.4 (0.08)	13.3 (0.26)	7.7 (0.20)	8.0 (0.22)	12.5 (0.26)	3.5 (0.13)
White	1.5 (0.09)	13.6 (0.29)	7.8 (0.23)	8.6 (0.25)	13.3 (0.29)	3.6 (0.14)
Black or African American	0.8 (0.16)	14.3 (0.75)	9.0 (0.61)	4.9 (0.51)	10.8 (0.66)	3.8 (0.41)
American Indian or Alaska Native	0.6 (0.35)	10.2 (2.11)	7.7 (1.89)	4.7 (1.21)	9.2 (2.16)	2.9 (1.10)
Asian	0.6 (0.23)	8.4 (0.88)	4.5 (0.67)	7.1 (0.83)	7.2 (0.90)	2.1 (0.47)
Native Hawaiian or Other Pacific Islander	*	*	*	*	*	*
Two or more races ³	2.2 (0.79)	18.1 (2.04)	8.5 (1.40)	10.9 (1.65)	12.7 (1.49)	3.3 (0.79)
Black or African American, white	-	16.1 (3.88)	*	*	*	*
American Indian or Alaska Native, white	*	18.2 (3.48)	9.4 (2.62)	14.1 (2.85)	20.3 (3.06)	*
Hispanic or Latino origin ⁴ and race						
Hispanic or Latino	0.6 (0.15)	11.8 (0.77)	5.8 (0.57)	5.1 (0.54)	7.7 (0.60)	2.1 (0.28)
Mexican or Mexican American	0.4 (0.12)	10.9 (0.96)	4.5 (0.62)	5.6 (0.74)	7.6 (0.85)	2.4 (0.42)
Not Hispanic or Latino	1.5 (0.09)	13.7 (0.27)	8.1 (0.21)	8.6 (0.25)	13.4 (0.29)	3.7 (0.14)
White, single race	1.7 (0.11)	13.9 (0.31)	8.1 (0.24)	9.4 (0.29)	14.5 (0.34)	3.9 (0.16)
Black or African American, single race	0.8 (0.17)	14.6 (0.78)	9.2 (0.63)	4.9 (0.52)	11.2 (0.69)	3.9 (0.43)
Education ⁵						
Less than a high school diploma	3.4 (0.38)	12.3 (0.80)	8.4 (0.68)	6.6 (0.59)	11.0 (0.74)	5.1 (0.52)
High school diploma or GED ⁶	2.3 (0.22)	11.9 (0.52)	7.7 (0.44)	6.8 (0.41)	12.2 (0.50)	4.4 (0.30)
Some college	1.5 (0.15)	14.7 (0.51)	8.7 (0.39)	9.0 (0.43)	16.0 (0.55)	4.5 (0.28)
Bachelor's degree or higher	0.6 (0.09)	12.7 (0.40)	6.8 (0.30)	10.1 (0.42)	13.1 (0.43)	2.3 (0.19)
Current employment status ⁷						
Employed	0.4 (0.06)	13.0 (0.34)	6.9 (0.25)	7.4 (0.26)	11.2 (0.30)	2.4 (0.14)
Full-time	0.4 (0.07)	12.6 (0.37)	6.7 (0.27)	7.3 (0.28)	11.2 (0.34)	2.3 (0.15)
Part-time	0.5 (0.12)	14.5 (0.87)	8.0 (0.71)	7.7 (0.68)	11.4 (0.74)	3.2 (0.45)
Not employed but has worked previously	3.3 (0.21)	14.8 (0.44)	9.6 (0.38)	9.9 (0.39)	15.9 (0.46)	5.7 (0.27)
Not employed and has never worked	1.3 (0.32)	10.0 (1.02)	5.7 (0.73)	5.0 (0.73)	7.3 (0.85)	2.5 (0.47)

Table A-2c. Crude percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Family income ⁸						
Less than \$35,000	2.8 (0.22)	16.6 (0.49)	10.5 (0.42)	7.3 (0.37)	12.9 (0.47)	5.4 (0.27)
\$35,000 or more	0.9 (0.08)	12.6 (0.32)	6.8 (0.24)	8.4 (0.29)	12.6 (0.31)	2.8 (0.15)
\$35,000–\$49,999	1.8 (0.28)	12.0 (0.73)	6.7 (0.55)	5.8 (0.52)	12.8 (0.73)	3.1 (0.33)
\$50,000–\$74,999	0.9 (0.17)	13.4 (0.67)	7.2 (0.50)	8.2 (0.50)	12.4 (0.57)	4.1 (0.38)
\$75,000–\$99,999	0.8 (0.17)	11.8 (0.75)	6.9 (0.57)	9.0 (0.66)	12.9 (0.70)	2.9 (0.37)
\$100,000 or more	0.5 (0.10)	12.6 (0.51)	6.7 (0.38)	9.1 (0.45)	12.6 (0.51)	2.0 (0.23)
Poverty status ⁹						
Poor	2.8 (0.30)	18.2 (0.82)	12.2 (0.71)	7.3 (0.55)	12.0 (0.69)	5.7 (0.47)
Near poor	2.1 (0.24)	13.8 (0.63)	8.1 (0.46)	6.2 (0.48)	11.8 (0.59)	4.6 (0.36)
Not poor	1.0 (0.08)	12.5 (0.31)	6.9 (0.23)	8.6 (0.28)	12.9 (0.30)	2.8 (0.14)
Health insurance coverage ¹⁰						
Under 65:						
Private	0.5 (0.07)	13.3 (0.37)	7.2 (0.27)	8.5 (0.32)	12.1 (0.34)	2.4 (0.15)
Medicaid	2.0 (0.26)	20.2 (1.03)	13.3 (0.83)	7.4 (0.71)	12.3 (0.93)	5.8 (0.52)
Other coverage	3.5 (0.63)	16.5 (1.45)	10.1 (1.08)	9.4 (1.00)	15.5 (1.32)	6.4 (0.84)
Uninsured	0.5 (0.15)	10.4 (0.79)	5.3 (0.55)	3.6 (0.43)	7.9 (0.67)	2.7 (0.40)
65 and over:						
Private	3.3 (0.36)	10.9 (0.63)	6.8 (0.51)	9.2 (0.62)	16.4 (0.81)	4.4 (0.41)
Medicare and Medicaid	6.2 (1.10)	13.5 (1.63)	10.5 (1.45)	10.4 (1.50)	17.2 (1.82)	7.9 (1.18)
Medicare Advantage	3.4 (0.47)	11.3 (0.90)	6.7 (0.72)	10.0 (0.84)	15.3 (0.98)	5.0 (0.54)
Medicare only	2.5 (0.54)	9.8 (0.92)	6.1 (0.74)	8.5 (0.96)	14.3 (1.11)	4.7 (0.64)
Other coverage	8.3 (1.56)	13.1 (1.81)	8.3 (1.37)	9.7 (1.63)	16.5 (1.77)	7.4 (1.35)
Uninsured	*	*	*	*	*	*
Marital status						
Married	1.2 (0.11)	11.7 (0.34)	6.9 (0.27)	8.8 (0.33)	13.2 (0.37)	3.1 (0.17)
Widowed	5.0 (0.56)	12.4 (0.88)	8.1 (0.73)	9.7 (0.67)	18.9 (0.95)	7.0 (0.57)
Divorced or separated	2.7 (0.26)	15.0 (0.64)	9.3 (0.52)	9.9 (0.52)	15.1 (0.61)	5.6 (0.38)
Never married	0.4 (0.07)	15.9 (0.62)	8.5 (0.45)	5.8 (0.41)	8.9 (0.51)	2.4 (0.27)
Living with a partner	0.9 (0.24)	16.3 (1.14)	8.6 (0.84)	5.8 (0.65)	9.8 (0.83)	3.5 (0.49)
Place of residence ¹¹						
Large MSA	1.1 (0.10)	13.2 (0.36)	7.5 (0.28)	7.8 (0.27)	10.9 (0.32)	3.0 (0.17)
Small MSA	1.5 (0.16)	13.8 (0.43)	7.9 (0.30)	8.7 (0.44)	14.4 (0.52)	3.8 (0.23)
Not in MSA	2.4 (0.28)	13.6 (0.61)	8.2 (0.49)	7.9 (0.60)	15.6 (0.84)	4.9 (0.36)
Region						
Northeast	1.2 (0.18)	12.9 (0.58)	8.0 (0.51)	7.5 (0.49)	10.4 (0.59)	3.6 (0.37)
Midwest	1.6 (0.18)	14.0 (0.51)	8.2 (0.43)	7.1 (0.38)	12.9 (0.55)	3.8 (0.25)
South	1.6 (0.15)	12.5 (0.40)	7.5 (0.31)	7.3 (0.36)	14.6 (0.44)	4.0 (0.21)
West	1.0 (0.14)	14.8 (0.60)	7.4 (0.41)	10.5 (0.50)	10.6 (0.51)	2.3 (0.18)

Table A-2c. Crude percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2017

Selected characteristic	Emphysema ¹	Ever had asthma ¹	Still has asthma ¹	Hay fever ¹	Sinusitis ¹	Chronic bronchitis ¹
Hispanic or Latino origin ⁴ , race, and sex						
Hispanic or Latino, male	0.8 (0.26)	11.7 (1.16)	4.5 (0.76)	5.1 (0.77)	5.5 (0.67)	1.8 (0.44)
Hispanic or Latina, female	0.4 (0.13)	12.0 (0.99)	7.0 (0.81)	5.1 (0.73)	9.9 (0.95)	2.4 (0.35)
Not Hispanic or Latino:						
White, single race, male	1.8 (0.15)	12.0 (0.42)	5.9 (0.30)	8.2 (0.39)	10.7 (0.43)	2.3 (0.18)
White, single race, female	1.7 (0.14)	15.7 (0.45)	10.3 (0.38)	10.6 (0.38)	18.1 (0.48)	5.4 (0.26)
Black or African American, single race, male	0.6 (0.20)	12.8 (1.24)	5.7 (0.79)	4.0 (0.71)	7.1 (0.98)	2.3 (0.59)
Black or African American, single race, female	0.9 (0.26)	16.0 (1.06)	12.2 (0.97)	5.7 (0.70)	14.6 (0.93)	5.2 (0.57)

* 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/sr02/sr02_175.pdf), and is not shown.

- Quantity zero.

¹ Respondents were asked in two separate questions if they had ever been told by a doctor or other health professional that they had emphysema or asthma. Respondents who had been told they had asthma were asked if they still had asthma. Respondents were asked in three separate questions if they had been told by a doctor or other health professional in the past 12 months that they had hay fever, sinusitis, or chronic bronchitis. A person may be represented in more than one column.

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

³ Refers 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.

⁴ Refers 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.

⁵ Shown only for adults aged 25 and over.

⁶ GED 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.

⁸ Includes 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.

¹⁰ Based 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.

¹¹ MSA 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, 2017.