

**Table A-2a. Age-adjusted percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Total	1.3 (0.08)	12.7 (0.26)	7.6 (0.21)	7.9 (0.21)	11.7 (0.26)	3.6 (0.14)
Sex						
Male	1.5 (0.14)	11.0 (0.37)	5.4 (0.27)	6.3 (0.27)	8.5 (0.32)	2.6 (0.18)
Female	1.1 (0.09)	14.3 (0.37)	9.7 (0.33)	9.4 (0.31)	14.6 (0.40)	4.6 (0.21)
Age (years)						
18–44	0.2 (0.05)	13.5 (0.40)	7.5 (0.32)	5.9 (0.27)	8.8 (0.34)	2.2 (0.17)
45–64	1.7 (0.16)	12.7 (0.42)	8.4 (0.34)	11.1 (0.42)	15.2 (0.48)	4.8 (0.28)
65–74	3.9 (0.39)	11.1 (0.63)	6.9 (0.51)	10.0 (0.61)	16.3 (0.78)	6.0 (0.49)
75 and over	4.6 (0.50)	9.2 (0.60)	6.2 (0.51)	7.3 (0.57)	12.1 (0.73)	5.9 (0.56)
Race						
One race <sup>2</sup>	1.3 (0.08)	12.6 (0.26)	7.5 (0.21)	7.9 (0.21)	11.6 (0.27)	3.6 (0.14)
White	1.4 (0.09)	12.7 (0.30)	7.5 (0.24)	8.4 (0.24)	12.2 (0.31)	3.7 (0.17)
Black or African American	1.0 (0.18)	13.9 (0.71)	9.0 (0.59)	6.0 (0.46)	11.2 (0.61)	4.1 (0.34)
American Indian or Alaska Native	*	17.1 (2.57)	10.0 (1.91)	5.0 (1.35)	10.5 (2.09)	2.0 (0.58)
Asian	*0.5 (0.19)	7.4 (0.75)	4.0 (0.55)	6.0 (0.76)	5.5 (0.66)	1.2 (0.28)
Native Hawaiian or Other Pacific Islander	*	*13.9 (5.16)	*	*	*5.8 (2.85)	-
Two or more races <sup>3</sup>	*3.3 (1.30)	21.4 (2.56)	13.8 (2.18)	9.9 (1.87)	14.9 (2.15)	7.7 (1.58)
Black or African American, white	*	20.0 (4.84)	*13.9 (4.29)	*	*6.6 (2.92)	*6.1 (2.75)
American Indian or Alaska Native, white	*4.2 (1.88)	24.4 (4.99)	16.4 (4.09)	8.8 (2.47)	20.9 (4.51)	8.1 (2.29)
Hispanic or Latino origin <sup>4</sup> and race						
Hispanic or Latino	0.5 (0.12)	10.3 (0.53)	5.9 (0.39)	4.6 (0.34)	7.9 (0.51)	2.5 (0.27)
Mexican or Mexican American	*0.4 (0.15)	8.5 (0.62)	5.2 (0.47)	4.6 (0.39)	7.6 (0.65)	1.6 (0.29)
Not Hispanic or Latino	1.4 (0.09)	13.2 (0.30)	7.9 (0.24)	8.5 (0.24)	12.4 (0.30)	3.8 (0.16)
White, single race	1.5 (0.11)	13.5 (0.36)	7.9 (0.28)	9.2 (0.29)	13.2 (0.36)	4.0 (0.20)
Black or African American, single race	1.0 (0.18)	13.8 (0.71)	9.0 (0.59)	6.1 (0.47)	11.2 (0.62)	4.0 (0.35)
Education <sup>5</sup>						
Less than a high school diploma	3.0 (0.35)	11.5 (0.76)	8.2 (0.65)	4.9 (0.49)	9.7 (0.57)	5.6 (0.51)
High school diploma or GED <sup>6</sup>	2.0 (0.22)	12.2 (0.55)	7.1 (0.44)	5.9 (0.36)	10.8 (0.54)	4.4 (0.33)
Some college	1.4 (0.15)	13.8 (0.51)	8.3 (0.41)	9.9 (0.44)	14.6 (0.53)	4.7 (0.30)
Bachelor's degree or higher	0.6 (0.12)	11.3 (0.42)	6.7 (0.34)	10.7 (0.43)	13.1 (0.46)	2.4 (0.21)
Current employment status <sup>7</sup>						
Employed	0.4 (0.08)	11.6 (0.37)	6.5 (0.27)	7.6 (0.29)	10.8 (0.33)	2.4 (0.16)
Full-time	0.3 (0.08)	11.5 (0.54)	5.7 (0.27)	7.6 (0.34)	10.5 (0.41)	2.3 (0.20)
Part-time	0.7 (0.16)	13.2 (0.81)	8.7 (0.66)	8.2 (0.66)	11.9 (0.76)	3.1 (0.39)
Not employed but has worked previously	2.5 (0.19)	15.9 (0.62)	10.1 (0.50)	8.8 (0.45)	13.7 (0.56)	6.0 (0.34)
Not employed and has never worked	1.0 (0.26)	12.6 (1.07)	8.7 (0.90)	6.2 (0.87)	6.8 (0.73)	3.5 (0.62)

**Table A-2a. Age-adjusted percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
<b>Family income<sup>8</sup></b>						
Less than \$35,000	2.5 (0.18)	15.3 (0.48)	10.4 (0.41)	6.7 (0.31)	11.6 (0.41)	5.7 (0.28)
\$35,000 or more	1.0 (0.11)	12.0 (0.34)	6.7 (0.25)	8.7 (0.28)	12.1 (0.35)	2.9 (0.17)
\$35,000–\$49,999	1.3 (0.23)	12.8 (0.74)	7.4 (0.56)	6.4 (0.51)	10.5 (0.64)	3.5 (0.39)
\$50,000–\$74,999	1.1 (0.23)	11.9 (0.71)	6.5 (0.53)	7.6 (0.51)	12.1 (0.61)	3.5 (0.35)
\$75,000–\$99,999	0.8 (0.22)	11.0 (0.78)	5.3 (0.54)	7.6 (0.59)	11.6 (0.73)	2.6 (0.37)
\$100,000 or more	*0.7 (0.22)	12.2 (0.56)	7.1 (0.45)	11.0 (0.53)	12.8 (0.57)	2.4 (0.31)
<b>Poverty status<sup>9</sup></b>						
Poor	3.1 (0.31)	15.8 (0.68)	11.6 (0.60)	6.9 (0.47)	11.3 (0.62)	6.3 (0.47)
Near poor	2.1 (0.23)	14.4 (0.63)	9.4 (0.52)	6.6 (0.42)	11.4 (0.53)	5.4 (0.39)
Not poor	0.9 (0.09)	12.0 (0.33)	6.5 (0.25)	8.6 (0.27)	12.1 (0.33)	2.8 (0.16)
<b>Health insurance coverage<sup>10</sup></b>						
<b>Under 65:</b>						
Private	0.3 (0.06)	12.7 (0.37)	7.0 (0.29)	8.3 (0.30)	11.5 (0.36)	2.4 (0.17)
Medicaid	2.6 (0.33)	18.6 (0.86)	13.6 (0.75)	6.9 (0.56)	10.4 (0.69)	6.9 (0.55)
Other coverage	1.6 (0.38)	14.1 (1.41)	9.7 (1.16)	8.6 (1.11)	15.3 (1.37)	5.6 (0.86)
Uninsured	*0.5 (0.17)	10.3 (0.66)	5.2 (0.49)	4.9 (0.48)	8.8 (0.65)	2.7 (0.34)
<b>65 and over:</b>						
Private	4.1 (0.51)	9.3 (0.61)	5.7 (0.48)	9.0 (0.63)	14.7 (0.82)	5.0 (0.52)
Medicare and Medicaid	8.4 (1.52)	16.0 (1.71)	11.4 (1.40)	8.9 (1.37)	15.6 (1.83)	13.5 (2.04)
Medicare Advantage	3.4 (0.53)	10.9 (0.95)	6.5 (0.75)	8.9 (0.87)	13.8 (1.01)	5.6 (0.70)
Medicare only	4.3 (0.87)	8.6 (1.00)	5.9 (0.84)	7.6 (0.97)	13.4 (1.21)	6.3 (0.92)
Other coverage	4.1 (0.99)	11.0 (1.82)	9.0 (1.72)	9.0 (1.49)	14.9 (1.81)	5.6 (1.31)
Uninsured	*	*	*	*	*	*
<b>Marital status</b>						
Married	1.2 (0.12)	10.8 (0.35)	6.4 (0.27)	8.6 (0.30)	12.5 (0.38)	3.0 (0.19)
Widowed	2.1 (0.39)	*17.4 (5.27)	*15.2 (5.25)	7.6 (1.94)	*15.7 (4.74)	5.7 (1.39)
Divorced or separated	1.9 (0.23)	13.6 (0.76)	9.1 (0.63)	9.1 (0.62)	12.6 (0.65)	5.6 (0.43)
Never married	0.8 (0.15)	13.1 (0.55)	7.4 (0.42)	6.2 (0.42)	9.5 (0.53)	3.5 (0.40)
Living with a partner	1.9 (0.46)	15.8 (0.99)	9.5 (0.83)	8.0 (0.96)	12.1 (1.16)	3.7 (0.55)
<b>Place of residence<sup>11</sup></b>						
Large MSA	1.1 (0.11)	12.2 (0.35)	7.1 (0.28)	7.9 (0.29)	10.5 (0.33)	3.3 (0.19)
Small MSA	1.5 (0.16)	13.4 (0.50)	8.2 (0.40)	8.0 (0.38)	12.5 (0.52)	3.6 (0.22)
Not in MSA	1.8 (0.21)	13.5 (0.66)	8.3 (0.56)	7.6 (0.48)	14.5 (0.77)	5.3 (0.53)
<b>Region</b>						
Northeast	1.1 (0.19)	12.2 (0.63)	7.5 (0.49)	7.3 (0.50)	9.3 (0.59)	3.0 (0.30)
Midwest	1.6 (0.19)	13.4 (0.59)	8.2 (0.48)	7.3 (0.44)	11.6 (0.57)	4.2 (0.38)
South	1.4 (0.14)	12.2 (0.42)	7.1 (0.33)	7.4 (0.32)	15.0 (0.49)	4.2 (0.22)
West	0.9 (0.14)	13.5 (0.55)	7.9 (0.45)	10.0 (0.48)	8.3 (0.39)	2.6 (0.23)

**Table A-2a. Age-adjusted percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Hispanic or Latino origin <sup>4</sup> , race, and sex						
Hispanic or Latino, male	*0.5 (0.18)	8.4 (0.74)	4.2 (0.50)	3.5 (0.46)	5.4 (0.62)	1.2 (0.28)
Hispanic or Latina, female	*0.5 (0.16)	12.1 (0.76)	7.6 (0.60)	5.7 (0.50)	10.2 (0.74)	3.6 (0.44)
Not Hispanic or Latino:						
White, single race, male	1.8 (0.19)	11.7 (0.49)	5.6 (0.36)	7.4 (0.38)	9.6 (0.43)	2.9 (0.24)
White, single race, female	1.3 (0.11)	15.2 (0.51)	10.2 (0.44)	10.9 (0.43)	16.6 (0.57)	5.0 (0.30)
Black or African American, single race, male	1.1 (0.26)	11.4 (1.04)	6.0 (0.81)	3.7 (0.50)	7.5 (0.80)	2.3 (0.43)
Black or African American, single race, female	0.9 (0.26)	15.7 (0.93)	11.5 (0.82)	8.1 (0.73)	14.1 (0.85)	5.3 (0.55)

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) greater than 30% and less than or equal to 50% and should be used with caution. Data not shown have an RSE greater than 50%.

- Quantity zero.

<sup>1</sup> 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 four 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.

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

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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.

<sup>6</sup> GED is General Educational Development high school equivalency diploma.

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

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

<sup>9</sup> "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.

<sup>10</sup> 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.

<sup>11</sup> 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, Villarroel MA. Tables of Summary Health Statistics for U.S. Adults: 2015 National Health Interview Survey. National Center for Health Statistics. 2016. Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2015.

**Table A-2b. Frequencies (in thousands) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	All adults aged 18 and over	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Total	242,501	3,515	30,606	18,445	19,976	29,367	9,274
Sex							
Male	116,875	1,892	12,643	6,293	7,704	10,287	3,123
Female	125,625	1,624	17,963	12,151	12,272	19,080	6,152
Age (years)							
18–44	112,760	194	15,266	8,415	6,602	9,947	2,528
45–64	83,239	1,374	10,560	6,951	9,245	12,668	3,982
65–74	27,297	1,074	3,018	1,891	2,723	4,434	1,641
75 and over	19,204	873	1,762	1,188	1,405	2,318	1,123
Race							
One race <sup>2</sup>	238,301	3,410	29,699	17,884	19,613	28,792	8,981
White	191,218	3,061	23,945	14,305	16,809	24,347	7,529
Black or African American	29,796	277	4,199	2,728	1,822	3,377	1,244
American Indian or Alaska Native	2,307	*	412	240	120	233	45
Asian	14,360	*64	1,071	574	835	798	163
Native Hawaiian or Other Pacific Islander	619	*	*73	*	*	*	-
Two or more races <sup>3</sup>	4,200	*105	907	561	362	575	294
Black or African American, white	851	*	193	*104	*13	*42	*
American Indian or Alaska Native, white	1,647	*66	394	260	151	345	*126
Hispanic or Latino origin <sup>4</sup> and race							
Hispanic or Latino	37,755	136	3,920	2,227	1,730	2,832	823
Mexican or Mexican American	22,992	*59	2,013	1,226	998	1,570	334
Not Hispanic or Latino	204,746	3,379	26,687	16,217	18,246	26,535	8,451
White, single race	157,410	2,940	20,647	12,435	15,238	21,782	6,853
Black or African American, single race	28,418	267	3,970	2,595	1,758	3,237	1,165
Education <sup>5</sup>							
Less than a high school diploma	26,648	952	3,083	2,199	1,343	2,764	1,568
High school diploma or GED <sup>6</sup>	50,847	1,261	6,083	3,610	3,195	5,874	2,428
Some college	61,605	921	8,531	5,145	6,351	9,266	2,995
Bachelor's degree or higher	72,373	359	8,160	4,919	7,880	9,656	1,695
Current employment status <sup>7</sup>							
Employed	148,914	453	17,535	9,920	11,669	16,563	3,581
Full-time	121,609	305	13,922	7,542	9,509	13,393	2,746
Part-time	25,508	142	3,407	2,210	2,054	3,017	786
Not employed but has worked previously	79,530	2,938	11,245	7,273	7,440	11,880	5,254
Not employed and has never worked	13,899	123	1,810	1,236	855	912	436

**Table A-2b. Frequencies (in thousands) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	All adults aged 18 and over	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Family income <sup>8</sup>							
Less than \$35,000	66,342	1,880	9,913	6,780	4,530	8,031	3,958
\$35,000 or more	148,656	1,334	17,881	10,040	13,542	18,709	4,345
\$35,000–\$49,999	25,114	372	3,178	1,853	1,633	2,706	894
\$50,000–\$74,999	37,018	445	4,400	2,406	2,932	4,655	1,357
\$75,000–\$99,999	27,607	219	3,095	1,530	2,213	3,358	724
\$100,000 or more	58,917	298	7,208	4,251	6,765	7,989	1,370
Poverty status <sup>9</sup>							
Poor	28,022	766	4,428	3,215	1,877	2,986	1,654
Near poor	42,375	982	6,022	3,918	2,807	4,924	2,318
Not poor	159,450	1,586	18,839	10,447	14,506	20,258	4,756
Health insurance coverage <sup>10</sup>							
Under 65:							
Private	135,220	541	16,975	9,551	11,901	16,235	3,470
Medicaid	25,313	636	4,685	3,416	1,731	2,600	1,732
Other coverage	9,086	263	1,376	970	990	1,647	672
Uninsured	24,896	*114	2,620	1,307	1,184	2,092	629
65 and over:							
Private	19,581	752	1,816	1,101	1,778	2,918	948
Medicare and Medicaid	3,267	274	522	373	288	509	438
Medicare Advantage	11,634	407	1,303	783	1,062	1,639	660
Medicare only	7,890	346	676	453	615	1,091	506
Other coverage	3,808	159	427	348	353	583	205
Uninsured	249	*	*	*	*	*	*
Marital status							
Married	128,583	1,725	14,042	8,463	11,944	16,960	4,295
Widowed	14,720	629	1,678	1,231	1,286	2,185	998
Divorced or separated	27,858	725	3,983	2,698	2,711	4,042	1,836
Never married	53,374	208	7,923	4,313	2,889	4,344	1,542
Living with a partner	17,665	228	2,941	1,706	1,125	1,813	591
Place of residence <sup>11</sup>							
Large MSA	134,062	1,468	16,256	9,536	10,958	14,515	4,507
Small MSA	74,299	1,254	9,871	6,069	6,193	9,616	2,772
Not in MSA	34,140	793	4,480	2,839	2,825	5,236	1,995
Region							
Northeast	42,320	536	5,074	3,147	3,194	4,082	1,364
Midwest	54,367	974	7,135	4,417	4,101	6,477	2,368
South	90,015	1,484	10,857	6,447	6,999	14,077	4,060
West	55,798	521	7,540	4,433	5,681	4,731	1,483

**Table A-2b. Frequencies (in thousands) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	All adults aged 18 and over	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Hispanic or Latino origin <sup>4</sup> , race, and sex							
Hispanic or Latino, male	18,798	*68	1,620	787	667	980	189
Hispanic or Latina, female	18,957	67	2,300	1,441	1,062	1,852	634
Not Hispanic or Latino:							
White, single race, male	76,483	1,613	8,619	4,307	6,074	7,777	2,483
White, single race, female	80,927	1,327	12,029	8,128	9,164	14,005	4,370
Black or African American, single race, male	12,771	117	1,475	768	469	977	305
Black or African American, single race, female	15,647	150	2,494	1,826	1,288	2,260	860

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) greater than 30% and less than or equal to 50% and should be used with caution. Data not shown have an RSE greater than 50%.

- Quantity zero.

<sup>1</sup> 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 four 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.

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

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Shown only for adults aged 25 and over.

<sup>6</sup> GED is General Educational Development high school equivalency diploma.

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

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

<sup>9</sup> "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.

<sup>10</sup> 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.

<sup>11</sup> 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: 2015 National Health Interview Survey. National Center for Health Statistics. 2016. Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2015.

**Table A-2c. Crude percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Total	1.5 (0.09)	12.6 (0.26)	7.6 (0.21)	8.2 (0.22)	12.1 (0.27)	3.8 (0.14)
Sex						
Male	1.6 (0.15)	10.8 (0.36)	5.4 (0.27)	6.6 (0.29)	8.8 (0.33)	2.7 (0.18)
Female	1.3 (0.10)	14.3 (0.36)	9.7 (0.31)	9.8 (0.31)	15.2 (0.41)	4.9 (0.22)
Age (years)						
18–44	0.2 (0.05)	13.5 (0.40)	7.5 (0.32)	5.9 (0.27)	8.8 (0.34)	2.2 (0.17)
45–64	1.7 (0.16)	12.7 (0.42)	8.4 (0.34)	11.1 (0.42)	15.2 (0.48)	4.8 (0.28)
65–74	3.9 (0.39)	11.1 (0.63)	6.9 (0.51)	10.0 (0.61)	16.3 (0.78)	6.0 (0.49)
75 and over	4.6 (0.50)	9.2 (0.60)	6.2 (0.51)	7.3 (0.57)	12.1 (0.73)	5.9 (0.56)
Race						
One race <sup>2</sup>	1.4 (0.09)	12.5 (0.26)	7.5 (0.21)	8.2 (0.22)	12.1 (0.27)	3.8 (0.14)
White	1.6 (0.11)	12.5 (0.29)	7.5 (0.23)	8.8 (0.25)	12.7 (0.31)	3.9 (0.17)
Black or African American	0.9 (0.18)	14.1 (0.72)	9.2 (0.60)	6.1 (0.47)	11.3 (0.64)	4.2 (0.36)
American Indian or Alaska Native	*	17.9 (2.73)	10.5 (2.02)	5.2 (1.41)	10.1 (1.97)	2.0 (0.59)
Asian	*0.4 (0.15)	7.5 (0.75)	4.0 (0.54)	5.8 (0.74)	5.6 (0.67)	1.1 (0.26)
Native Hawaiian or Other Pacific Islander	*	*11.8 (4.90)	*	*	*	-
Two or more races <sup>3</sup>	*2.5 (0.93)	21.6 (2.57)	13.4 (2.12)	8.6 (1.63)	13.8 (2.00)	7.0 (1.38)
Black or African American, white	*	22.7 (5.35)	*12.2 (3.80)	*1.6 (0.72)	*5.0 (1.74)	*
American Indian or Alaska Native, white	*4.0 (1.86)	23.9 (4.61)	15.8 (3.79)	9.1 (2.60)	20.9 (4.28)	*7.6 (2.31)
Hispanic or Latino origin <sup>4</sup> and race						
Hispanic or Latino	0.4 (0.08)	10.4 (0.54)	5.9 (0.40)	4.6 (0.35)	7.5 (0.50)	2.2 (0.24)
Mexican or Mexican American	*0.3 (0.10)	8.8 (0.65)	5.3 (0.50)	4.3 (0.39)	6.8 (0.61)	1.5 (0.27)
Not Hispanic or Latino	1.7 (0.11)	13.0 (0.29)	7.9 (0.23)	8.9 (0.25)	13.0 (0.30)	4.1 (0.17)
White, single race	1.9 (0.13)	13.1 (0.33)	7.9 (0.27)	9.7 (0.30)	13.9 (0.35)	4.4 (0.20)
Black or African American, single race	0.9 (0.18)	14.0 (0.72)	9.1 (0.60)	6.2 (0.47)	11.4 (0.65)	4.1 (0.37)
Education <sup>5</sup>						
Less than a high school diploma	3.6 (0.40)	11.6 (0.73)	8.3 (0.62)	5.0 (0.45)	10.4 (0.58)	5.9 (0.50)
High school diploma or GED <sup>6</sup>	2.5 (0.27)	12.0 (0.51)	7.1 (0.41)	6.3 (0.37)	11.6 (0.55)	4.8 (0.33)
Some college	1.5 (0.16)	13.9 (0.51)	8.4 (0.41)	10.3 (0.46)	15.0 (0.54)	4.9 (0.31)
Bachelor's degree or higher	0.5 (0.10)	11.3 (0.42)	6.8 (0.35)	10.9 (0.44)	13.4 (0.47)	2.3 (0.21)
Current employment status <sup>7</sup>						
Employed	0.3 (0.06)	11.8 (0.32)	6.7 (0.26)	7.8 (0.27)	11.1 (0.33)	2.4 (0.15)
Full-time	0.3 (0.06)	11.5 (0.36)	6.2 (0.28)	7.8 (0.29)	11.0 (0.36)	2.3 (0.16)
Part-time	0.6 (0.14)	13.4 (0.83)	8.7 (0.66)	8.1 (0.65)	11.9 (0.77)	3.1 (0.40)
Not employed but has worked previously	3.7 (0.24)	14.2 (0.44)	9.2 (0.36)	9.4 (0.37)	15.0 (0.48)	6.6 (0.31)
Not employed and has never worked	0.9 (0.22)	13.0 (1.11)	8.9 (0.95)	6.2 (0.91)	6.6 (0.70)	3.1 (0.50)

**Table A-2c. Crude percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Family income <sup>8</sup>						
Less than \$35,000	2.8 (0.20)	15.0 (0.46)	10.2 (0.39)	6.8 (0.31)	12.1 (0.42)	6.0 (0.29)
\$35,000 or more	0.9 (0.10)	12.0 (0.33)	6.8 (0.26)	9.1 (0.29)	12.6 (0.36)	2.9 (0.17)
\$35,000–\$49,999	1.5 (0.26)	12.7 (0.73)	7.4 (0.55)	6.5 (0.52)	10.8 (0.64)	3.6 (0.39)
\$50,000–\$74,999	1.2 (0.24)	11.9 (0.70)	6.5 (0.53)	7.9 (0.53)	12.6 (0.63)	3.7 (0.37)
\$75,000–\$99,999	0.8 (0.21)	11.2 (0.78)	5.5 (0.56)	8.0 (0.62)	12.2 (0.77)	2.6 (0.36)
\$100,000 or more	0.5 (0.15)	12.2 (0.54)	7.2 (0.44)	11.5 (0.53)	13.6 (0.59)	2.3 (0.27)
Poverty status <sup>9</sup>						
Poor	2.7 (0.29)	15.8 (0.70)	11.5 (0.61)	6.7 (0.47)	10.7 (0.62)	5.9 (0.46)
Near poor	2.3 (0.25)	14.2 (0.62)	9.3 (0.51)	6.6 (0.42)	11.6 (0.52)	5.5 (0.39)
Not poor	1.0 (0.10)	11.8 (0.31)	6.6 (0.24)	9.1 (0.28)	12.7 (0.34)	3.0 (0.16)
Health insurance coverage <sup>10</sup>						
Under 65:						
Private	0.4 (0.07)	12.6 (0.35)	7.1 (0.28)	8.8 (0.31)	12.0 (0.37)	2.6 (0.17)
Medicaid	2.5 (0.32)	18.5 (0.86)	13.5 (0.75)	6.8 (0.56)	10.3 (0.69)	6.9 (0.55)
Other coverage	2.9 (0.70)	15.2 (1.32)	10.7 (1.11)	10.9 (1.16)	18.1 (1.41)	7.4 (0.97)
Uninsured	*0.5 (0.15)	10.5 (0.68)	5.3 (0.51)	4.8 (0.46)	8.4 (0.62)	2.5 (0.33)
65 and over:						
Private	3.8 (0.47)	9.3 (0.61)	5.6 (0.47)	9.1 (0.64)	14.9 (0.84)	4.8 (0.51)
Medicare and Medicaid	8.4 (1.52)	16.0 (1.70)	11.4 (1.40)	8.8 (1.38)	15.6 (1.84)	13.4 (2.08)
Medicare Advantage	3.5 (0.55)	11.2 (0.98)	6.7 (0.77)	9.1 (0.90)	14.1 (1.03)	5.7 (0.70)
Medicare only	4.4 (0.89)	8.6 (1.00)	5.8 (0.82)	7.8 (0.99)	13.9 (1.26)	6.4 (0.96)
Other coverage	4.2 (1.00)	11.2 (1.98)	9.2 (1.87)	9.3 (1.48)	15.3 (1.84)	5.4 (1.20)
Uninsured	*	*	*	*	*	*
Marital status						
Married	1.3 (0.14)	10.9 (0.34)	6.6 (0.27)	9.3 (0.32)	13.2 (0.38)	3.3 (0.20)
Widowed	4.3 (0.48)	11.4 (0.79)	8.4 (0.70)	8.8 (0.64)	14.9 (0.89)	6.8 (0.60)
Divorced or separated	2.6 (0.29)	14.3 (0.64)	9.7 (0.52)	9.8 (0.51)	14.6 (0.62)	6.6 (0.47)
Never married	0.4 (0.08)	14.9 (0.60)	8.1 (0.46)	5.4 (0.38)	8.1 (0.43)	2.9 (0.28)
Living with a partner	1.3 (0.31)	16.6 (1.05)	9.7 (0.86)	6.4 (0.69)	10.3 (0.89)	3.4 (0.48)
Place of residence <sup>11</sup>						
Large MSA	1.1 (0.11)	12.1 (0.34)	7.1 (0.27)	8.2 (0.30)	10.8 (0.34)	3.4 (0.19)
Small MSA	1.7 (0.18)	13.3 (0.49)	8.2 (0.39)	8.3 (0.40)	13.0 (0.51)	3.7 (0.23)
Not in MSA	2.3 (0.27)	13.1 (0.61)	8.3 (0.53)	8.3 (0.49)	15.3 (0.75)	5.9 (0.53)
Region						
Northeast	1.3 (0.23)	12.0 (0.60)	7.4 (0.46)	7.6 (0.49)	9.7 (0.60)	3.2 (0.33)
Midwest	1.8 (0.21)	13.1 (0.57)	8.1 (0.46)	7.6 (0.47)	11.9 (0.57)	4.4 (0.39)
South	1.6 (0.16)	12.1 (0.41)	7.2 (0.33)	7.8 (0.33)	15.6 (0.50)	4.5 (0.23)
West	0.9 (0.14)	13.5 (0.55)	8.0 (0.46)	10.2 (0.49)	8.5 (0.40)	2.7 (0.23)



**Table A-2c. Crude percentages (with standard errors) of selected respiratory diseases among adults aged 18 and over, by selected characteristics: United States, 2015**

Selected characteristic	Emphysema <sup>1</sup>	Ever had asthma <sup>1</sup>	Still has asthma <sup>1</sup>	Hay fever <sup>1</sup>	Sinusitis <sup>1</sup>	Chronic bronchitis <sup>1</sup>
Hispanic or Latino origin <sup>4</sup> , race, and sex						
Hispanic or Latino, male	*0.4 (0.12)	8.6 (0.76)	4.2 (0.50)	3.6 (0.49)	5.2 (0.61)	1.0 (0.22)
Hispanic or Latina, female	0.4 (0.11)	12.1 (0.76)	7.6 (0.61)	5.6 (0.49)	9.8 (0.72)	3.3 (0.41)
Not Hispanic or Latino:						
White, single race, male	2.1 (0.22)	11.3 (0.47)	5.6 (0.35)	7.9 (0.40)	10.2 (0.44)	3.2 (0.26)
White, single race, female	1.6 (0.14)	14.9 (0.46)	10.1 (0.40)	11.3 (0.41)	17.3 (0.55)	5.4 (0.30)
Black or African American, single race, male	0.9 (0.21)	11.6 (1.06)	6.0 (0.83)	3.7 (0.50)	7.7 (0.83)	2.4 (0.44)
Black or African American, single race, female	1.0 (0.28)	15.9 (0.94)	11.7 (0.83)	8.2 (0.74)	14.5 (0.88)	5.5 (0.58)

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) greater than 30% and less than or equal to 50% and should be used with caution. Data not shown have an RSE greater than 50%.

- Quantity zero.

<sup>1</sup> 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 four 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.

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

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Shown only for adults aged 25 and over.

<sup>6</sup> GED is General Educational Development high school equivalency diploma.

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

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

<sup>9</sup> "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.

<sup>10</sup> 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.

<sup>11</sup> 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>). Suggested citation: Blackwell DL, Villarreal MA. Tables of Summary Health Statistics for U.S. Adults: 2015 National Health Interview Survey. National Center for Health Statistics. 2016. Available from: <http://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2015.