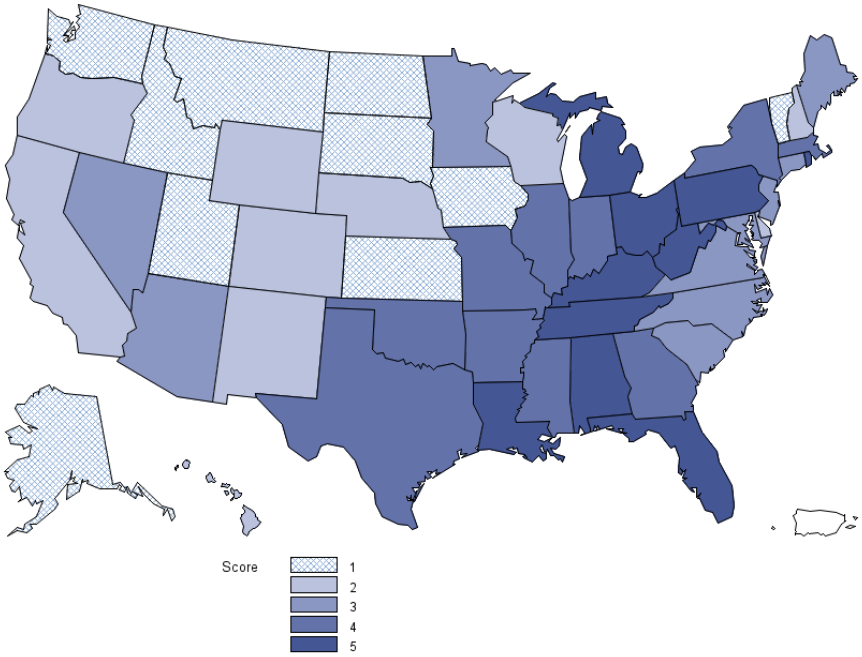
Figure 1. Age-adjusted Rate of COPD Hospitalization of Adults Aged 65 and Older with COPD (cases per 1,000 Medicare-eligible persons aged 65 years and older) – United States, 2014[a]



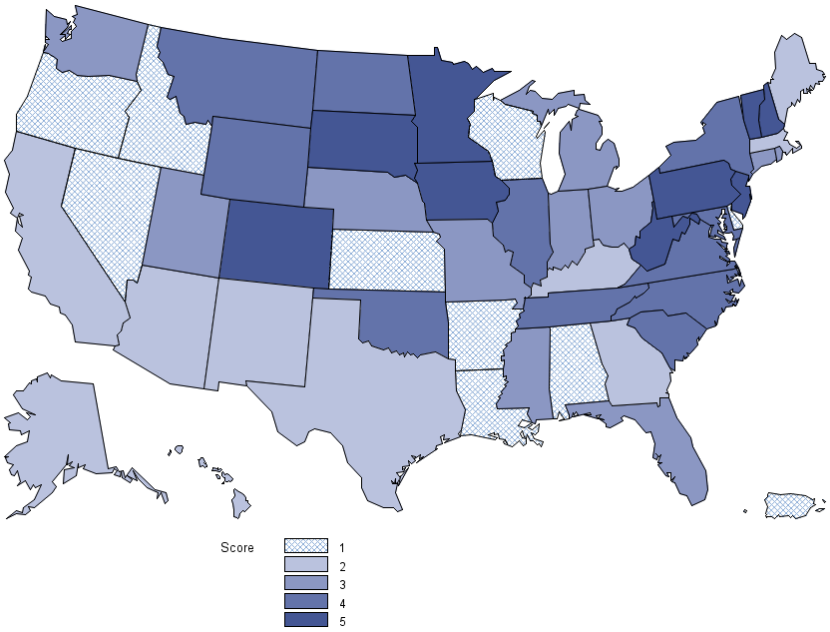
SCORES BY STATES

Based on Age-adjusted Rate of Hospitalization of Adults Aged 65 and older with COPD (cases per 1,000)

1	2	3	4	5
Range: 3.8 – 6.2	**Range: 6.2 – 8.5**	**Range: 8.5 – 10.7**	**Range: 11.2 – 12.7**	**Range: 13.8 – 17.6**
(10 states)	**(10 states)**	**(11 states)**	**(10 states)**	**(10 states)**
Alaska	California	Arizona	Arkansas	Alabama
Idaho	Colorado	Connecticut	Georgia	Florida
Iowa	Delaware	D.C.	Illinois	Kentucky
Kansas	Hawaii	Maine	Indiana	Luisiana
Montana	Nebraska	Maryland	Massachusetts	Michigan
North Dakota	New Hampshire	Minnesota	Mississippi	Ohio
South Dakota	New Mexico	Nevada	Missouri	Pennsylvania
Utah	Oregon	New Jersey	New York	Rhode Island
Vermont	Wisconsin	North Carolina	Oklahoma	Tennessee
Washington	Wyoming	South Carolina	Texas	West Virginia
		Virginia		

[a]Data derived from the Centers for Disease Control and Prevention, Chronic disease indicators.[11]

Figure 2. Age-adjusted Prevalence of Influenza Vaccination among Noninstitutionalized Adults Aged 45 Years and Older with COPD –United States, 2016[a]



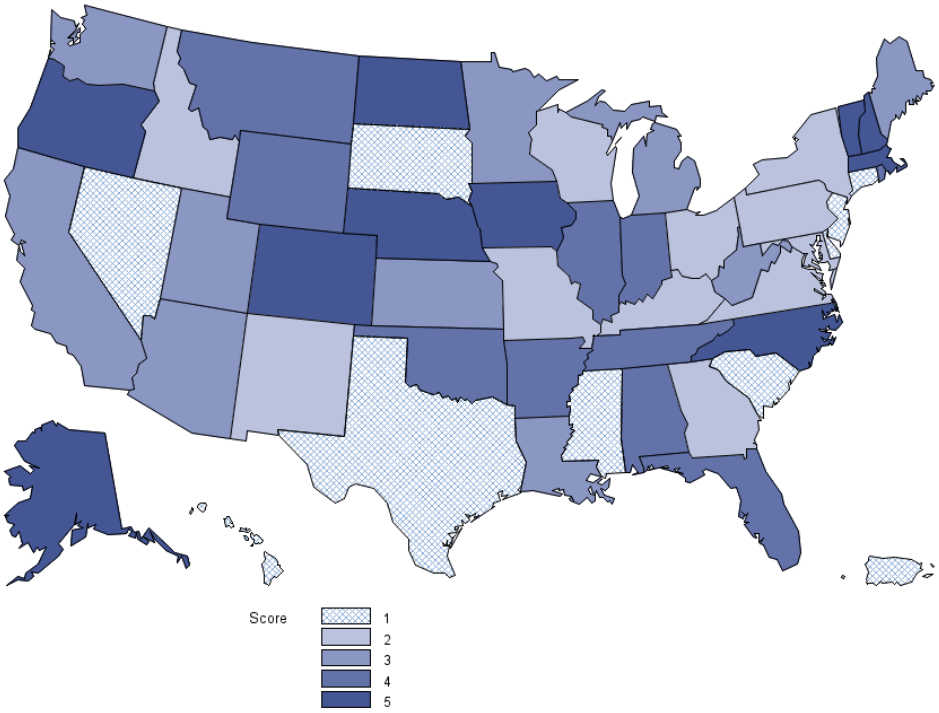
SCORES BY STATES

Based on Age-adjusted Percent of Influenza Vaccination among Adults 45 and Older with COPD

1	2	3	4	5
Range: 34.5 – 46.6	**Range: 46.8 – 49.6**	**Range: 50.0 – 52.0**	**Range: 52.2 – 55.1**	**Range: 55.4 – 59.1**
(10 states)	**(10 states)**	**(11 states)**	**(11 states)**	**(10 states)**
Alabama	Alaska	Connecticut	Illinois	Colorado
Arkansas	Arizona	Florida	Maryland	D.C.
Delaware	California	Indiana	Montana	Iowa
Idaho	Georgia	Michigan	New York	Minnesota
Kansas	Hawaii	Mississippi	North Carolina	New Hampshire
Louisiana	Kentucky	Missouri	North Dakota	New Jersey
Nevada	Maine	Nebraska	Oklahoma	Pennsylvania
Oregon	Massachusetts	Ohio	South Carolina	South Dakota
Wisconsin	New Mexico	Rhode Island	Tennessee	Vermont
Puerto Rico	Texas	Utah	Virginia	West Virginia
		Washington	Wyoming	

[a]Data derived from the Centers for Disease Control and Prevention, Chronic disease indicators.[11]

Figure 3. Age-adjusted Prevalence of Pneumococcal Vaccination among Noninstitutionalized Adults Aged 45 Years and Older with COPD –United States, 2016[a]



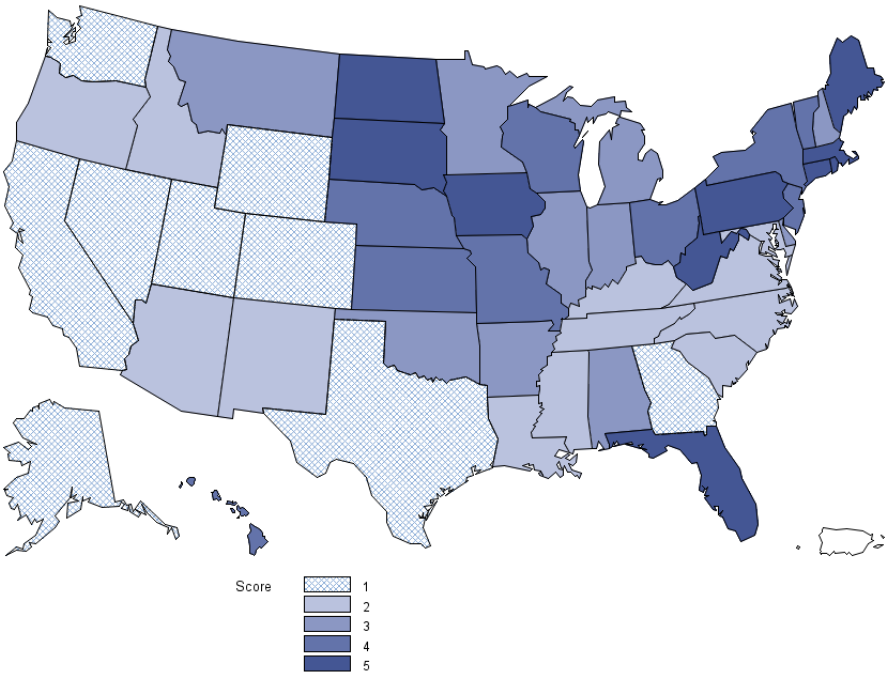
SCORES BY STATES

Based on Age-adjusted Percent of Pneumococcal Vaccination among Adults 45 and Older with COPD

1	2	3	4	5
Range: 32.5 – 61.8	**Range: 62.7 – 64.7**	**Range: 64.9 – 67.2**	**Range: 67.3 – 70.4**	**Range: 70.7 – 76.2**
(10 states)	**(11 states)**	**(11 states)**	**(10 states)**	**(10 states)**
Connecticut	Georgia	Arizona	Alabama	Alaska
Delaware	Idaho	California	Arkansas	Colorado
Hawaii	Kentucky	D.C.	Florida	Iowa
Mississippi	Maryland	Kansas	Illinois	Massachusetts
Nevada	Missouri	Luisiana	Indiana	Nebraska
New Jersey	New Mexico	Maine	Montana	New Hampshire
South Carolina	New York	Michigan	Oklahoma	North Carolina
South Dakota	Ohio	Minnesota	Rhode Island	North Dakota
Texas	Pennsylvania	Utah	Tennessee	Oregon
Puerto Rico	Virginia	Washington	Wyoming	Vermont
	Wisconsin	West Virginia		

[a]Data derived from the Centers for Disease Control and Prevention, Chronic disease indicators.[11]

Figure 4. Adjusted for Demographics and Such Medical Conditions As Hypertension, Dyslipidemia, Diabetes, Cancer, Arthritis, Back Problems, Injuries, Renal Failure, HIV/AIDS, Skin Disorders, and Pregnancy Per Capita Medical Cost for COPD By State – United States, 2010[a]



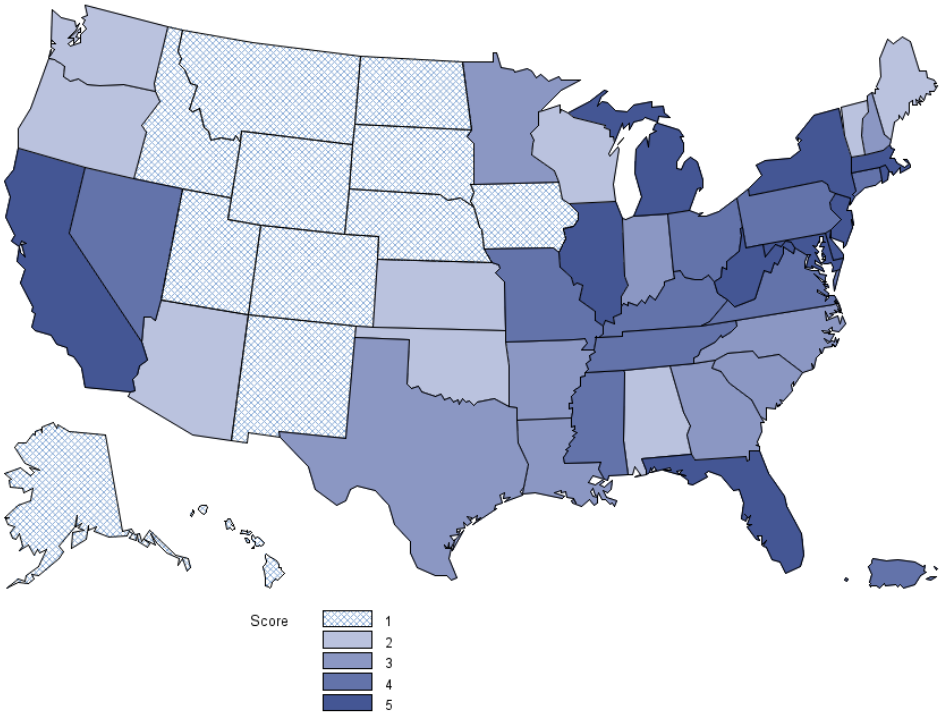
SCORES BY STATES

Based on per Capita Medical Cost (in dollars) for COPD, 2010

1	2	3	4	5
Range: 2,590 – 2,980	**Range: 3,010 – 3,090**	**Range: 3,100 – 3,170**	**Range: 3,180 – 3,240**	**Range: 3,250 – 3,390**
(10 states)	**(12 states)**	**(10 states)**	**(9 states)**	**(10 states)**
Alaska	Arizona	Alabama	Hawaii	Connecticut
California	Idaho	Arkansas	Kansas	Florida
Colorado	Kentucky	Delaware	Missouri	Iowa
District of Columbia	Louisiana	Illinois	Nebraska	Maine
Georgia	Maryland	Indiana	New Jersey	Massachusetts
Nevada	Mississippi	Michigan	New York	North Dakota
Texas	New Mexico	Minnesota	Ohio	Pennsylvania
Utah	North Carolina	Montana	Vermont	Rhode Island
Washington	Oregon	New Hampshire Oklahoma	Wisconsin	South Dakota
Wyoming	South Carolina			West Virginia
	Tennessee Virginia			

[a]Data derived from Ford et al, 2015.[4]
[b]No data available for Puerto Rico

Figure 5 – Distribution of Prevalence for 30-Day Hospital Readmission for COPD among All Fee-for-Service Beneficiaries – United States, 2015



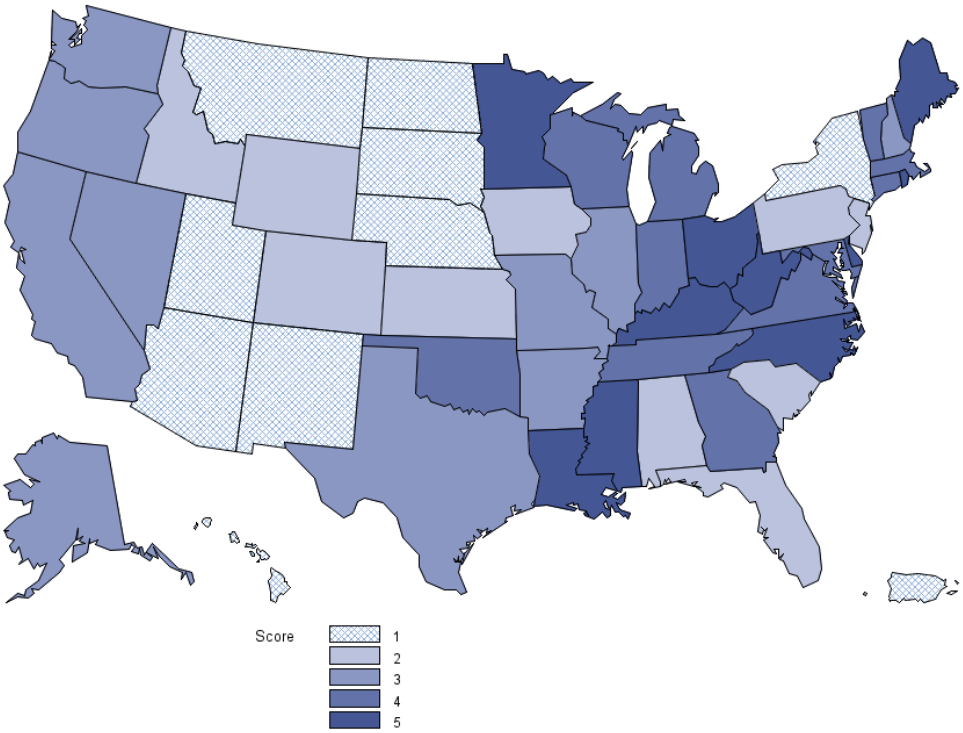
SCORES BY STATE

Based on the Percentage of COPD Hospital Readmissions for All Fee-for-Service Beneficiaries, 2015

1	2	3	4	5
Range: 17.5 – 20.4	**Range: 20.9 - 22**	**Range: 22.1 – 22.8**	**Range: 23.2 – 24.1**	**Range: 24.3 – 28.4**
(12 states)	**(9 states)**	**(10 states)**	**(10 states)**	**(11 states)**
Alaska	Alabama	Arkansas	Connecticut	California
Colorado	Arizona	District of Columbia	Kentucky	Delaware
Hawaii	Kansas	Georgia	Mississippi	Florida
Idaho	Maine	Indiana	Missouri	Illinois
Iowa	Oklahoma	Louisiana	Nevada	Maryland
Montana	Oregon	Minnesota	Ohio	Massachusetts
Nebraska	Vermont	New Hampshire	Pennsylvania	Michigan
New Mexico	Washington	North Carolina	Tennessee	New Jersey
North Dakota	Wisconsin	South Carolina	Virginia	New York
South Dakota		Texas	Puerto Rico	Rhode Island
Utah				West Virginia
Wyoming				

[a]Data derived from the Centers for Medicare and Medicaid Services, Chronic conditions data warehouse.[12]

Figure 6. Distribution of Emergency Department Visits for Patients with COPD per 1,000 All Fee-for-Service Beneficiaries with COPD – United States, 2015



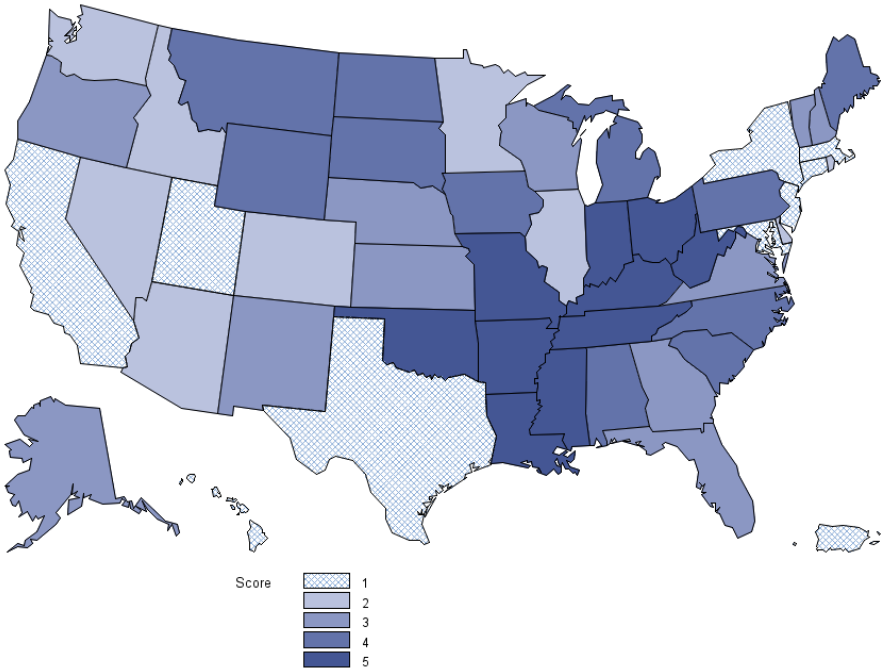
SCORES BY STATES

Based on the Number of ED Visits for COPD Patients per 1000 All Fee-For-Service Beneficiaries with COPD

1	2	3	4	5
Range: 1354.00 - 1619.50	**Range: 1623.70 - 1715.60**	**Range: 1742.60 - 1799.70**	**Range: 1803.90 - 1885.50**	**Range: 1902.50 - 2747.60**
(10 states)	**(11 states)**	**(10 states)**	**(11 states)**	**(10 states)**
Arizona	Alabama	Alaska	Connecticut	Delaware
Hawaii	Colorado	Arkansas	Georgia	Kentucky
Montana	District of Columbia	California	Indiana	Louisiana
Nebraska	Florida	Illinois	Maryland	Maine
New Mexico	Idaho	Missouri	Massachusetts	Minnesota
New York	Iowa	Nevada	Michigan	Mississippi
North Dakota	Kansas	New Hampshire	Oklahoma	North Carolina
South Dakota	New Jersey	Oregon	Tennessee	Ohio
Utah	Pennsylvania	Texas	Vermont	Rhode Island
Puerto Rico	South Carolina	Washington	Virginia	West Virginia
	Wyoming		Wisconsin	

[a]Data derived from the Centers for Medicare and Medicaid Services, Chronic conditions data warehouse.[12]

Figure 7. Distribution of Age-Adjusted Prevalence of Smoking – United States, 2014-2015



SCORES BY STATES

Based on Age-Adjusted Percent of Adults Who Smoke

1	2	3	4	5
Range: 9.3 – 15.1	**Range: 15.4 – 17.4**	**Range: 17.5 – 19.1**	**Range: 19.2 – 22.0**	**Range: 22.1 – 28.1**
(10 states)	**(9 states)**	**(12 states)**	**(11 states)**	**(10 states)**
California	Arizona	Alaska	Alabama	Arkansas
Connecticut	Colorado	District of Columbia	Iowa	Indiana
Hawaii	Delaware	Florida	Maine	Kentucky
Maryland	Idaho	Georgia	Michigan	Louisiana
Massachusetts	Illinois	Kansas	Montana	Mississippi
New Jersey	Minnesota	Nebraska	North Carolina	Missouri
New York	Nevada	New Hampshire	North Dakota	Ohio
Texas	Rhode Island	New Mexico	Pennsylvania	Oklahoma
Utah	Washington	Oregon	South Carolina	Tennessee
Puerto Rico		Vermont	South Dakota	West Virginia
		Virginia	Wyoming	
		Wisconsin		

[a]Data derived from Centers for Disease Control and Prevention/Behavioral Risk Factor Surveillance System, 2014-2015 data.[5]

Table 1. **Estimated Number and Prevalence of Self-Reported, Physician-Diagnosed COPD (Ever COPD, Chronic Bronchitis, or Emphysema) Among Adults Aged 18 Years and older, by Sex, Race, Age Group, and Income —United States, Behavioral Risk Factor Surveillance System, 2014-2015**

Characteristics	Estimated No.[1]	Age-Adjusted[2], %	Unadjusted, %
Total	15969500	5.9	6.4
Sex			
Men	6785500	5.3	5.6
Women	9184000	6.5	7.2
Race & Ethnicity			
White, Non-Hispanic	11740200	6.4	7.5
Black, Non-Hispanic	1786200	6.2	6.2
Hispanic	1304800	3.7	3.2
Age Group			
18-24	666900	---	2.1
25-34	1094600	---	2.5
35-44	1407900	---	3.4
45-54	2837900	---	6.5
55-64	3950200	---	9.6
65+	6012000	---	12.5
Income			
< 15, 000	3319000	12.7	13.0
15, 000 to <25, 000	3487800	8.9	9.6
25, 000 to < 35, 000	1648600	6.6	7.4
35, 000 to < 50, 000	1716100	5.4	6.1
50, 000+	3139000	3.2	3.3

[1] Numbers may not add to total because of rounding
[2] Age-adjusted to the 2000 US standard population aged 18 years and older

Table 2. Estimated Number and Prevalence of Self-Reported, Physician-Diagnosed COPD (Ever COPD, Chronic Bronchitis, or Emphysema) Among Adults Aged 18 Years and older, by state— United States, Behavioral Risk Factor Surveillance System, 2014-2015

State	Estimated No.[1]	Unadjusted, %	Age-Adjusted,[2]%
Alabama	386700	10.3	9.7
Alaska	23300	4.2	4.2
Arizona	340400	6.7	6.1
Arkansas	211800	9.4	8.5
California	1321100	4.5	4.3
Colorado	172900	4.2	3.9
Connecticut	144100	5.1	4.6
Delaware	49900	6.8	6.1
District of Columbia	29700	5.4	5.7
Florida	1163100	7.3	6.2
Georgia	548000	7.2	6.9
Hawaii	45100	4.1	3.7
Idaho	59300	4.9	4.6
Illinois	569500	5.8	5.4
Indiana	418100	8.3	7.7
Iowa	136400	5.7	5.2
Kansas	139100	6.4	5.9
Kentucky	414000	12.2	11.3
Louisiana	267400	7.6	7.1
Maine	84800	7.9	6.8
Maryland	275300	5.9	5.5
Massachusetts	327000	6.1	5.7
Michigan	632400	8.2	7.5
Minnesota	186100	4.4	4.0
Mississippi	171100	7.6	7.1
Missouri	386400	8.3	7.6
Montana	49900	6.2	5.4
Nebraska	79400	5.6	5.2
Nevada	147400	6.8	6.4
New Hampshire	69400	6.6	5.9
New Jersey	366900	5.3	4.8
New Mexico	92600	5.9	5.3
New York	894600	5.8	5.3
North Carolina	584800	7.6	7.0
North Dakota	28700	4.9	4.5
Ohio	720400	8.0	7.2
Oklahoma	245100	8.3	7.7
Oregon	175300	5.6	5.1
Pennsylvania	693800	6.9	6.1
Rhode Island	50200	6.0	5.4
South Carolina	278300	7.4	6.7
South Dakota	36400	5.6	5.1
Tennessee	514400	10.1	9.4
Texas	1043500	5.2	5.1
Utah	75500	3.6	3.8
Vermont	31400	6.2	5.5
Virginia	395000	6.1	5.7
Washington	333800	6.1	5.7
West Virginia	196400	13.4	12.0
Wisconsin	219700	4.9	4.3
Wyoming	31200	6.9	6.5
Puerto Rico	108900	3.9	3.7

Table 2a. Estimated Number and Prevalence of Self-Reported, Physician-Diagnosed COPD (Ever COPD, Chronic Bronchitis, or Emphysema) Among Adults Aged 18 Years and Older, by State, Sex, Race, and Income — United States, Behavioral Risk Factor Surveillance System, 2014-2015

State	Estimated No.	Unadjusted, %	Adjusted, %	State	Estimated No.	Unadjusted, %	Adjusted, %	State	Estimated No.	Unadjusted, %	Adjusted, %
Alabama				**Louisiana**				**Ohio**			
Sex				*Sex*				*Sex*			
Men	157100	8.8	8.3	*Men*	101300	5.9	5.6	*Men*	295600	6.8	6.3
Women	229600	11.8	10.9	*Women*	166200	9.1	8.5	*Women*	424800	9.2	8.0
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	283600	11.3	10.0	*White, Non-Hispanic*	175400	8.2	7.2	*White, Non-Hispanic*	586700	8.1	7.0
Black, Non-Hispanic	80500	8.6	8.7	*Black, Non-Hispanic*	70000	6.6	6.5	*Black, Non-Hispanic*	86600	8.5	7.9
Hispanic	4400	3.6	4.7	*Hispanic*	6400	4.9	4.4	*Hispanic*	8900	3.7	5.9
Income				*Income*				*Income*			
< 15, 000	93200	21.8	21.7	*< 15, 000*	70300	16.5	15.2	*< 15, 000*	162200	20.6	19.6
15, 000 to <25, 000	81200	13.5	12.4	*15, 000 to <25, 000*	67400	11.4	10.7	*15, 000 to <25, 000*	176200	12.7	11.6
25, 000 to < 35, 000	38900	11.4	11.3	*25, 000 to < 35, 000*	24700	8.4	7.5	*25, 000 to < 35, 000*	81200	9.9	7.9
35, 000 to < 50, 000	35400	8.3	7.5	*35, 000 to < 50, 000*	19100	5.2	4.8	*35, 000 to < 50, 000*	79900	6.9	5.9
50, 000+	54200	4.5	4.4	*50, 000+*	43100	3.6	3.6	*50, 000+*	102300	3.0	3.1
Alaska				**Maine**				**Oklahoma**			
Sex				*Sex*				*Sex*			
Men	9200	3.2	3.4	*Men*	39400	7.6	6.6	*Men*	102700	7.1	6.8
Women	14100	5.4	5.0	*Women*	45400	8.2	7.0	*Women*	142500	9.5	8.6
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	14700	4.2	3.9	*White, Non-Hispanic*	78300	7.9	6.6	*White, Non-Hispanic*	190500	9.2	7.9
Black, Non-Hispanic	1100	4.9	3.5	*Black, Non-Hispanic*	12	0.2	0.2	*Black, Non-Hispanic*	13500	6.6	6.6
Hispanic	800	2.4	3.1	*Hispanic*	200	1.7	2.7	*Hispanic*	7900	3.3	4.0
Income				*Income*				*Income*			
< 15, 000	4000	10.4	8.8	*< 15, 000*	23200	23.5	22.2	*< 15, 000*	53300	18.2	17.0

15, 000 to <25, 000	4200	6.3	7.2	*15, 000 to <25, 000*	21600	13.0	11.4	*15, 000 to <25, 000*	64600	13.5	12.3
25, 000 to < 35, 000	2500	5.8	6.4	*25, 000 to < 35, 000*	9400	8.7	7.5	*25, 000 to < 35, 000*	26400	8.5	7.9
35, 000 to < 50, 000	2300	3.7	3.8	*35, 000 to < 50, 000*	8200	5.3	4.6	*35, 000 to < 50, 000*	23200	6.3	5.5
50, 000+	6800	2.5	2.5	*50, 000+*	13200	3.1	2.8	*50, 000+*	39500	3.9	3.9
Arizona				**Maryland**				**Oregon**			
Sex				*Sex*				*Sex*			
Men	146100	5.8	5.4	*Men*	111200	5.0	4.6	*Men*	74500	4.9	4.4
Women	194300	7.5	6.7	*Women*	164100	6.8	6.2	*Women*	100800	6.4	5.7
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	253300	8.3	6.8	*White, Non-Hispanic*	173300	7.0	6.0	*White, Non-Hispanic*	149600	6.1	5.3
Black, Non-Hispanic	9800	5.0	5.7	*Black, Non-Hispanic*	76200	5.8	5.6	*Black, Non-Hispanic*	2800	4.4	4.9
Hispanic	47900	3.6	4.1	*Hispanic*	7200	1.8	3.2	*Hispanic*	4500	1.5	2.4
Income				*Income*				*Income*			
< 15, 000	57200	11.2	11.3	*< 15, 000*	38600	14.0	14.2	*< 15, 000*	34200	12.5	12.6
15, 000 to <25, 000	71800	8.4	7.9	*15, 000 to <25, 000*	55100	10.7	9.7	*15, 000 to <25, 000*	42000	9.0	8.2
25, 000 to < 35, 000	37600	8.2	7.7	*25, 000 to < 35, 000*	23300	6.6	6.0	*25, 000 to < 35, 000*	20800	7.2	6.0
35, 000 to < 50, 000	40300	6.3	5.6	*35, 000 to < 50, 000*	25200	5.8	5.3	*35, 000 to < 50, 000*	19200	5.0	4.4
50, 000+	59800	3.5	3.2	*50, 000+*	82700	3.8	3.6	*50, 000+*	34100	2.9	2.6
Arkansas				**Massachusetts**				**Pennsylvania**			
Sex				*Sex*				*Sex*			
Men	87700	8.0	7.4	*Men*	139200	5.4	5.1	*Men*	281200	5.8	5.2
Women	124100	10.7	9.7	*Women*	187900	6.7	6.2	*Women*	412600	7.9	7.0
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	176700	10.5	9.0	*White, Non-Hispanic*	256500	6.5	5.6	*White, Non-Hispanic*	576600	7.3	6.2
Black, Non-Hispanic	18900	5.9	6.4	*Black, Non-Hispanic*	12800	4.0	4.0	*Black, Non-Hispanic*	71500	7.2	7.2
Hispanic	2900	2.2	3.9	*Hispanic*	26700	5.3	6.0	*Hispanic*	15300	2.7	3.2
Income				*Income*				*Income*			

< 15, 000	54800	19.2	18.6	*< 15, 000*	49600	13.6	14.1	*< 15, 000*	125500	16.8	15.0
15, 000 to <25, 000	50800	11.9	11.1	*15, 000 to <25, 000*	78100	12.3	11.5	*15, 000 to <25, 000*	149500	11.2	9.6
25, 000 to < 35, 000	20600	8.5	7.9	*25, 000 to < 35, 000*	31900	8.5	7.4	*25, 000 to < 35, 000*	74000	7.9	6.0
35, 000 to < 50, 000	22700	8.4	7.3	*35, 000 to < 50, 000*	35400	6.8	6.1	*35, 000 to < 50, 000*	91100	7.2	6.6
50, 000+	26700	4.1	3.9	*50, 000+*	67000	2.8	2.7	*50, 000+*	144100	3.5	3.5
California				**Michigan**				**Rhode Island**			
Sex				*Sex*				*Sex*			
Men	571400	3.9	3.9	*Men*	266700	7.2	6.4	*Men*	20900	5.2	4.9
Women	749700	5.0	4.7	*Women*	365700	9.3	8.5	*Women*	29300	6.7	5.8
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	769900	6.3	5.1	*White, Non-Hispanic*	461700	7.9	6.7	*White, Non-Hispanic*	42400	6.7	5.6
Black, Non-Hispanic	109100	6.6	5.9	*Black, Non-Hispanic*	104100	10.4	10.2	*Black, Non-Hispanic*	900	2.4	2.8
Hispanic	305800	3.0	3.6	*Hispanic*	18800	6.4	4.9	*Hispanic*	2900	2.9	3.7
Income				*Income*				*Income*			
< 15, 000	316400	7.3	7.6	*< 15, 000*	134400	18.9	18.8	*< 15, 000*	9100	12.4	12.4
15, 000 to <25, 000	216600	5.9	5.9	*15, 000 to <25, 000*	148600	14.3	13.7	*15, 000 to <25, 000*	10400	9.9	9.1
25, 000 to < 35, 000	120800	5.0	4.8	*25, 000 to < 35, 000*	75300	9.9	8.6	*25, 000 to < 35, 000*	4900	7.4	6.6
35, 000 to < 50, 000	112500	4.0	3.7	*35, 000 to < 50, 000*	73100	7.7	6.2	*35, 000 to < 50, 000*	6000	6.9	5.9
50, 000+	361100	3.1	3.0	*50, 000+*	108500	3.6	3.5	*50, 000+*	8900	2.6	2.4
Colorado				**Minnesota**				**South Carolina**			
Sex				*Sex*				*Sex*			
Men	76800	3.7	3.6	*Men*	82700	4.0	3.7	*Men*	107000	5.9	5.5
Women	96100	4.6	4.2	*Women*	103400	4.9	4.3	*Women*	171300	8.8	7.9
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	129500	4.4	3.8	*White, Non-Hispanic*	161600	4.6	4.0	*White, Non-Hispanic*	203000	8.3	7.1
Black, Non-Hispanic	7400	4.8	4.5	*Black, Non-Hispanic*	8400	4.2	5.3	*Black, Non-Hispanic*	52400	5.5	5.5
Hispanic	18800	2.5	3.5	*Hispanic*	4900	2.8	4.8	*Hispanic*	3200	2.0	3.1

Income				*Income*				*Income*			
< 15, 000	28900	10.8	10.9	*< 15, 000*	25700	11.2	11.4	*< 15, 000*	70300	16.3	15.6
15, 000 to <25, 000	37900	7.4	7.5	*15, 000 to <25, 000*	41700	8.3	8.2	*15, 000 to <25, 000*	63200	10.0	9.4
25, 000 to < 35, 000	17000	5.1	4.3	*25, 000 to < 35, 000*	22600	6.2	5.3	*25, 000 to < 35, 000*	30400	7.9	7.5
35, 000 to < 50, 000	22400	4.5	4.0	*35, 000 to < 50, 000*	23200	4.4	3.7	*35, 000 to < 50, 000*	27700	5.8	5.3
50, 000+	40000	2.2	2.1	*50, 000+*	43100	2.2	2.3	*50, 000+*	37600	3.0	2.9
Connecticut				**Mississippi**				**South Dakota**			
Sex				*Sex*				*Sex*			
Men	59300	4.4	4.1	*Men*	68900	6.4	6.0	*Men*	16600	5.1	4.8
Women	84800	5.8	5.0	*Women*	102200	8.7	8.1	*Women*	19800	6.1	5.4
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	112400	5.7	4.6	*White, Non-Hispanic*	120000	9.0	7.9	*White, Non-Hispanic*	32300	5.8	5.0
Black, Non-Hispanic	9900	3.8	3.8	*Black, Non-Hispanic*	47500	5.9	5.9	*Black, Non-Hispanic*	200	3.7	3.8
Hispanic	13500	3.6	4.0	*Hispanic*	400	0.9	3.5	*Hispanic*	400	2.3	4.0
Income				*Income*				*Income*			
< 15, 000	22200	10.4	10.3	*< 15, 000*	47400	13.9	13.3	*< 15, 000*	5900	13.6	13.8
15, 000 to <25, 000	26500	8.5	7.2	*15, 000 to <25, 000*	48700	10.7	10.1	*15, 000 to <25, 000*	8200	10.2	9.2
25, 000 to < 35, 000	14200	7.8	7.0	*25, 000 to < 35, 000*	17000	6.7	6.1	*25, 000 to < 35, 000*	3800	6.0	5.5
35, 000 to < 50, 000	15300	6.1	4.8	*35, 000 to < 50, 000*	13600	5.5	5.3	*35, 000 to < 50, 000*	5800	6.1	6.0
50, 000+	38800	3.0	2.9	*50, 000+*	19400	3.3	3.2	*50, 000+*	6100	2.4	2.5
Delaware				**Missouri**				**Tennessee**			
Sex				*Sex*				*Sex*			
Men	19200	5.5	5.0	*Men*	159700	7.1	6.6	*Men*	211100	8.6	8.1
Women	30800	8.0	7.1	*Women*	226700	9.4	8.5	*Women*	303300	11.5	10.6
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	36500	7.6	6.3	*White, Non-Hispanic*	322000	8.5	7.5	*White, Non-Hispanic*	432700	11.2	10.0
Black, Non-Hispanic	8300	5.7	5.7	*Black, Non-Hispanic*	34800	7.0	7.3	*Black, Non-Hispanic*	48100	6.0	6.3

Hispanic	1900	3.5	4.8	*Hispanic*	6700	4.5	6.5	*Hispanic*	5400	3.6	6.2
Income				*Income*				*Income*			
< 15, 000	7800	16.0	14.3	*< 15, 000*	86000	20.7	19.8	*< 15, 000*	124900	21.9	21.1
15, 000 to <25, 000	11300	10.9	10.5	*15, 000 to <25, 000*	77600	12.3	11.3	*15, 000 to <25, 000*	112100	13.4	12.6
25, 000 to < 35, 000	5500	8.7	8.0	*25, 000 to < 35, 000*	47800	10.8	9.8	*25, 000 to < 35, 000*	51100	10.0	9.4
35, 000 to < 50, 000	5700	6.9	5.6	*35, 000 to < 50, 000*	44500	7.1	6.4	*35, 000 to < 50, 000*	49000	7.7	7.0
50, 000+	10700	3.6	3.3	*50, 000+*	64000	3.7	3.7	*50, 000+*	69700	4.4	4.5
District of Columbia				**Montana**				**Texas**			
Sex				*Sex*				*Sex*			
Men	11700	4.6	4.9	*Men*	21000	5.2	4.6	*Men*	432700	4.4	4.5
Women	18000	6.2	6.4	*Women*	28900	7.2	6.2	*Women*	610800	6.0	5.7
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	4900	2.3	2.6	*White, Non-Hispanic*	43700	6.2	5.3	*White, Non-Hispanic*	648600	7.1	6.1
Black, Non-Hispanic	20200	8.8	8.0	*Black, Non-Hispanic*	200	5.7	5.9	*Black, Non-Hispanic*	104500	4.5	4.5
Hispanic	700	1.4	2.9	*Hispanic*	900	3.5	3.8	*Hispanic*	210000	3.0	3.5
Income				*Income*				*Income*			
< 15, 000	7400	12.4	11.6	*< 15, 000*	11400	16.6	16.4	*< 15, 000*	200900	9.6	9.3
15, 000 to <25, 000	5700	8.5	8.9	*15, 000 to <25, 000*	11900	9.5	8.7	*15, 000 to <25, 000*	218400	6.6	6.8
25, 000 to < 35, 000	2700	9.2	10.7	*25, 000 to < 35, 000*	7100	8.5	6.7	*25, 000 to < 35, 000*	106200	5.6	5.3
35, 000 to < 50, 000	1900	4.3	5.3	*35, 000 to < 50, 000*	5000	4.4	3.5	*35, 000 to < 50, 000*	107500	5.0	4.7
50, 000+	4500	1.8	2.0	*50, 000+*	7600	2.6	2.3	*50, 000+*	224200	3.1	3.2
Florida				**Nebraska**				**Utah**			
Sex				*Sex*				*Sex*			
Men	479900	6.2	5.3	*Men*	35700	5.1	4.8	*Men*	33500	3.3	3.5
Women	683100	8.3	7.1	*Women*	43700	6.1	5.6	*Women*	41900	4.0	4.1
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	854700	9.4	7.2	*White, Non-Hispanic*	69000	5.9	5.1	*White, Non-Hispanic*	61400	3.7	3.7

Black, Non-Hispanic	109200	4.9	5.2	*Black, Non-Hispanic*	3300	5.7	6.0	*Black, Non-Hispanic*	1100	6.8	8.0
Hispanic	129200	3.6	3.7	*Hispanic*	2300	1.9	2.5	*Hispanic*	5900	2.4	2.8
Income				*Income*				*Income*			
< 15, 000	253700	15.2	13.6	*< 15, 000*	14800	14.1	14.6	*< 15, 000*	9300	7.6	8.9
15, 000 to <25, 000	259000	9.6	8.1	*15, 000 to <25, 000*	19500	9.7	9.3	*15, 000 to <25, 000*	15600	6.4	7.5
25, 000 to < 35, 000	110600	7.2	6.3	*25, 000 to < 35, 000*	9200	6.5	5.9	*25, 000 to < 35, 000*	8000	4.7	5.0
35, 000 to < 50, 000	149200	7.5	6.3	*35, 000 to < 50, 000*	9200	4.7	4.2	*35, 000 to < 50, 000*	11000	4.1	4.4
50, 000+	201200	3.6	3.2	*50, 000+*	17000	2.9	2.9	*50, 000+*	19100	2.0	2.2
Georgia				**Nevada**				**Vermont**			
Sex				*Sex*				*Sex*			
Men	237600	6.4	6.4	*Men*	63400	5.8	5.5	*Men*	14900	6.0	5.4
Women	310400	7.8	7.3	*Women*	84000	7.7	7.3	*Women*	16500	6.4	5.7
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	355400	8.3	7.2	*White, Non-Hispanic*	107900	9.1	7.5	*White, Non-Hispanic*	28200	6.0	5.3
Black, Non-Hispanic	142100	6.4	6.4	*Black, Non-Hispanic*	11600	6.7	6.2	*Black, Non-Hispanic*	200	6.1	6.8
Hispanic	9300	1.5	1.7	*Hispanic*	15200	2.9	3.9	*Hispanic*	300	4.7	4.1
Income				*Income*				*Income*			
< 15, 000	134400	17.0	16.8	*< 15, 000*	25000	13.5	13.3	*< 15, 000*	4900	13.7	13.7
15, 000 to <25, 000	123800	9.4	8.7	*15, 000 to <25, 000*	28800	8.5	8.8	*15, 000 to <25, 000*	8100	12.9	12.7
25, 000 to < 35, 000	39900	5.5	5.0	*25, 000 to < 35, 000*	17400	7.8	7.5	*25, 000 to < 35, 000*	3000	6.3	5.3
35, 000 to < 50, 000	54200	6.2	6.0	*35, 000 to < 50, 000*	17600	7.4	6.6	*35, 000 to < 50, 000*	3300	5.1	4.7
50, 000+	107700	4.1	4.1	*50, 000+*	36200	4.5	4.3	*50, 000+*	5700	2.7	2.6
Hawaii				**New Hampshire**				**Virginia**			
Sex				*Sex*				*Sex*			
Men	22200	4.0	3.9	*Men*	29600	5.7	5.3	*Men*	177000	5.6	5.4
Women	22900	4.1	3.6	*Women*	39800	7.4	6.4	*Women*	217900	6.5	6.0
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			

White, Non-Hispanic	14100	5.0	4.3	*White, Non-Hispanic*	63600	6.6	5.8	*White, Non-Hispanic*	305300	7.4	6.5
Black, Non-Hispanic	400	2.2	2.3	*Black, Non-Hispanic*	800	8.5	11.3	*Black, Non-Hispanic*	51700	4.4	4.2
Hispanic	5700	5.4	5.8	*Hispanic*	400	1.6	2.8	*Hispanic*	12100	2.4	4.1
Income				*Income*				*Income*			
< 15, 000	7500	8.0	8.0	*< 15, 000*	11000	18.6	19.5	*< 15, 000*	62000	13.3	13.4
15, 000 to <25, 000	8800	6.0	6.0	*15, 000 to <25, 000*	13900	12.9	10.8	*15, 000 to <25, 000*	96700	11.3	10.8
25, 000 to < 35, 000	4200	3.8	3.4	*25, 000 to < 35, 000*	8100	10.2	7.7	*25, 000 to < 35, 000*	35500	6.5	6.0
35, 000 to < 50, 000	4800	3.6	3.2	*35, 000 to < 50, 000*	8200	7.0	5.7	*35, 000 to < 50, 000*	42500	6.0	5.4
50, 000+	15400	3.1	2.9	*50, 000+*	15000	2.9	2.8	*50, 000+*	97600	3.3	3.3
Idaho				**New Jersey**				**Washington**			
Sex				*Sex*				*Sex*			
Men	27400	4.6	4.3	*Men*	158900	4.8	4.5	*Men*	155200	5.7	5.5
Women	31800	5.2	4.9	*Women*	208000	5.8	5.1	*Women*	178500	6.4	6.0
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	51600	5.1	4.6	*White, Non-Hispanic*	237000	6.0	4.8	*White, Non-Hispanic*	266000	6.7	5.9
Black, Non-Hispanic	100	0.8	3.7	*Black, Non-Hispanic*	56900	6.8	6.6	*Black, Non-Hispanic*	8700	5.0	5.3
Hispanic	3100	2.6	4.5	*Hispanic*	47700	3.8	4.0	*Hispanic*	17500	3.2	4.0
Income				*Income*				*Income*			
< 15, 000	10000	10.0	10.5	*< 15, 000*	42800	10.1	10.2	*< 15, 000*	61300	15.4	15.0
15, 000 to <25, 000	12200	6.2	6.2	*15, 000 to <25, 000*	79400	8.9	8.0	*15, 000 to <25, 000*	61900	9.4	9.4
25, 000 to < 35, 000	8700	6.1	5.7	*25, 000 to < 35, 000*	34000	6.8	6.2	*25, 000 to < 35, 000*	34300	7.4	6.5
35, 000 to < 50, 000	9500	5.4	5.1	*35, 000 to < 50, 000*	44900	7.1	5.7	*35, 000 to < 50, 000*	51500	7.8	7.2
50, 000+	9700	2.2	2.1	*50, 000+*	106800	3.3	3.1	*50, 000+*	80400	3.2	3.1
Illinois				**New Mexico**				**West Virginia**			
Sex				*Sex*				*Sex*			
Men	257000	5.4	5.2	*Men*	39500	5.1	4.8	*Men*	86700	12.1	10.8
Women	312500	6.1	5.7	*Women*	53100	6.6	5.8	*Women*	109700	14.6	13.1

Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	427000	6.7	5.8	*White, Non-Hispanic*	53300	8.2	6.4	*White, Non-Hispanic*	185000	13.7	12.1
Black, Non-Hispanic	86900	6.7	6.7	*Black, Non-Hispanic*	2800	9.6	8.1	*Black, Non-Hispanic*	4200	8.6	8.3
Hispanic	34100	2.4	3.2	*Hispanic*	29100	4.2	4.4	*Hispanic*	1900	11.2	12.5
Income				*Income*				*Income*			
< 15, 000	127000	11.9	13.0	*< 15, 000*	19500	9.5	8.8	*< 15, 000*	44200	26.0	24.2
15, 000 to <25, 000	118000	8.2	7.9	*15, 000 to <25, 000*	23900	7.6	7.2	*15, 000 to <25, 000*	44800	19.2	17.2
25, 000 to < 35, 000	75500	8.1	6.4	*25, 000 to < 35, 000*	9300	5.7	5.2	*25, 000 to < 35, 000*	21300	14.8	12.8
35, 000 to < 50, 000	61400	5.1	4.4	*35, 000 to < 50, 000*	10600	6.1	5.2	*35, 000 to < 50, 000*	18100	9.6	7.9
50, 000+	152000	3.4	3.2	*50, 000+*	16600	3.4	3.2	*50, 000+*	21300	5.1	4.9
Indiana				**New York**				**Wisconsin**			
Sex				*Sex*				*Sex*			
Men	179600	7.4	6.9	*Men*	375400	5.1	4.8	*Men*	96300	4.4	3.9
Women	238500	9.3	8.5	*Women*	519200	6.4	5.7	*Women*	123400	5.5	4.7
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	358000	8.8	7.9	*White, Non-Hispanic*	589100	6.8	5.7	*White, Non-Hispanic*	188300	5.0	4.1
Black, Non-Hispanic	33900	8.0	8.3	*Black, Non-Hispanic*	121300	5.7	5.8	*Black, Non-Hispanic*	12000	4.9	5.5
Hispanic	7500	2.7	4.0	*Hispanic*	113500	4.2	4.7	*Hispanic*	8300	3.6	4.5
Income				*Income*				*Income*			
< 15, 000	97800	19.5	19.0	*< 15, 000*	156800	9.7	9.2	*< 15, 000*	39400	11.1	11.6
15, 000 to <25, 000	102000	13.0	12.2	*15, 000 to <25, 000*	198300	8.9	8.1	*15, 000 to <25, 000*	55400	9.0	8.5
25, 000 to < 35, 000	42800	8.7	8.0	*25, 000 to < 35, 000*	78000	6.2	5.2	*25, 000 to < 35, 000*	36300	7.9	6.5
35, 000 to < 50, 000	39700	5.8	5.1	*35, 000 to < 50, 000*	104300	6.5	5.5	*35, 000 to < 50, 000*	31700	4.9	4.0
50, 000+	64000	3.5	3.6	*50, 000+*	211300	3.4	3.2	*50, 000+*	38000	2.0	2.0
Iowa				**North Carolina**				**Wyoming**			
Sex				*Sex*				*Sex*			
Men	62300	5.3	4.9	*Men*	257100	7.0	6.5	*Men*	15800	6.9	6.7

Women	74100	6.1	5.5	*Women*	327700	8.2	7.4	*Women*	15300	6.9	6.4
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	123200	5.8	5.1	*White, Non-Hispanic*	444300	8.8	7.5	*White, Non-Hispanic*	26700	7.1	6.3
Black, Non-Hispanic	2400	3.9	5.7	*Black, Non-Hispanic*	99900	6.3	6.2	*Black, Non-Hispanic*	600	16.0	11.3
Hispanic	2200	2.0	2.5	*Hispanic*	7800	1.3	1.7	*Hispanic*	1300	3.3	4.3
Income				*Income*				*Income*			
< 15, 000	26700	15.8	15.8	*< 15, 000*	121000	16.4	15.9	*< 15, 000*	4300	15.8	17.5
15, 000 to <25, 000	29400	10.1	9.4	*15, 000 to <25, 000*	150000	11.8	11.2	*15, 000 to <25, 000*	6500	10.6	9.7
25, 000 to < 35, 000	20100	8.7	7.3	*25, 000 to < 35, 000*	68100	9.7	9.3	*25, 000 to < 35, 000*	3200	7.8	6.6
35, 000 to < 50, 000	15200	4.6	3.7	*35, 000 to < 50, 000*	50000	5.6	5.1	*35, 000 to < 50, 000*	3800	6.7	6.5
50, 000+	23700	2.4	2.4	*50, 000+*	81200	3.2	3.2	*50, 000+*	7800	4.0	4.1
Kansas				**North Dakota**				**Puerto Rico**			
Sex				*Sex*				*Sex*			
Men	59600	5.6	5.2	*Men*	13200	4.4	4.2	*Men*	39100	3.0	3.5
Women	79500	7.2	6.6	*Women*	15600	5.4	4.8	*Women*	69900	4.7	3.4
Race & Ethnicity				*Race & Ethnicity*				*Race & Ethnicity*			
White, Non-Hispanic	112300	6.5	5.6	*White, Non-Hispanic*	25000	4.9	4.3	*White, Non-Hispanic*	800	8.4	4.0
Black, Non-Hispanic	9600	7.9	8.0	*Black, Non-Hispanic*	NR	NR	NR	*Black, Non-Hispanic*	NR	NR	NR
Hispanic	5500	2.7	3.7	*Hispanic*	600	4.3	4.5	*Hispanic*	107700	3.9	6.9
Income				*Income*				*Income*			
< 15, 000	23300	15.3	15.6	*< 15, 000*	4700	12.0	12.0	*< 15, 000*	48800	4.3	3.8
15, 000 to <25, 000	30300	9.9	10.0	*15, 000 to <25, 000*	5800	8.4	8.4	*15, 000 to <25, 000*	22400	3.7	3.8
25, 000 to < 35, 000	15900	7.8	7.0	*25, 000 to < 35, 000*	2900	5.4	4.6	*25, 000 to < 35, 000*	5700	2.7	2.6
35, 000 to < 50, 000	15300	5.4	4.7	*35, 000 to < 50, 000*	4100	5.7	5.2	*35, 000 to < 50, 000*	4300	2.6	3.1
50, 000+	26200	3.1	3.0	*50, 000+*	7300	2.7	2.8	*50, 000+*	3600	2.2	2.4
Kentucky											
Sex											

Men	196000	11.8	11.3
Women	218000	12.5	11.3
Race & Ethnicity			
White, Non-Hispanic	356400	12.2	11.0
Black, Non-Hispanic	26800	10.4	10.3
Hispanic	8600	9.7	12.4
Income			
< 15, 000	103200	26.1	24.7
15, 000 to <25, 000	71200	17.5	16.6
25, 000 to < 35, 000	38400	12.8	12.2
35, 000 to < 50, 000	35800	9.7	8.9
50, 000+	56000	5.4	5.4

Table 2b — Estimated Number[1] and Unadjusted Prevalence of Self-Reported, Physician-Diagnosed COPD (Ever COPD, Chronic Bronchitis, or Emphysema) Among Adults Aged 18 Years and older, by state and age group — United States, Behavioral Risk Factor Surveillance System, 2014-2015

State	Age Group	Estimated No.	Unadjusted,%	State	Age Group	Estimated No.	Unadjusted, %	State	Age Group	Estimated No.	Unadjusted, %
Alabama	18-24	23100	4.8	Kentucky	18-24	14600	3.4	North Dakota	18-24	1800	2.0
	25-34	27500	4.5		25-34	32400	5.8		25-34	3200	3.0
	35-44	45800	7.7		35-44	44500	8.0		35-44	1000	1.2
	45-54	75300	11.7		45-54	86500	14.4		45-54	3500	3.9
	55-64	97400	15.5		55-64	104700	18.0		55-64	6700	6.9
	≥65	117600	15.5		≥65	131200	19.4		≥65	12500	11.1
Alaska	18-24	700	0.9	Louisiana	18-24	11800	2.5	Ohio	18-24	37900	3.4
	25-34	2900	2.6		25-34	26300	4.0		25-34	52600	3.7
	35-44	1100	1.2		35-44	25200	4.4		35-44	49200	3.5

	45-54	4600	4.7		45-54	47700	8.0		45-54	129100	8.2
	55-64	6900	7.1		55-64	72900	12.4		55-64	185000	11.7
	≥65	7100	9.5		≥65	83500	12.8		≥65	266600	14.5
Arizona	18-24	10900	1.6	Maine	18-24	2300	1.9	Oklahoma	18-24	7400	1.9
	25-34	27200	3.0		25-34	2700	1.8		25-34	15800	3.0
	35-44	29400	3.5		35-44	8600	5.7		35-44	20200	4.2
	45-54	51500	6.2		45-54	14500	7.5		45-54	44600	9.2
	55-64	79800	10.0		55-64	22700	10.8		55-64	64200	13.4
	≥65	141500	13.3		≥65	34000	13.9		≥65	93000	16.0
Arkansas	18-24	9400	3.3	Maryland	18-24	12200	2.1	Oregon	18-24	7200	1.9
	25-34	14100	3.7		25-34	22300	2.8		25-34	11000	2.1
	35-44	16100	4.4		35-44	23600	3.1		35-44	14100	2.8
	45-54	41900	11.1		45-54	48500	5.6		45-54	30400	6.0
	55-64	59500	16.0		55-64	75400	9.6		55-64	45500	8.3
	≥65	71000	15.1		≥65	93300	11.0		≥65	67200	10.4
California	18-24	53300	1.4	Massachusetts	18-24	14100	2.0	Pennsylvania	18-24	20600	1.6
	25-34	123300	2.2		25-34	23000	2.6		25-34	28800	1.8
	35-44	113400	2.2		35-44	32200	3.8		35-44	55100	3.7
	45-54	219400	4.2		45-54	63800	6.6		45-54	138600	7.9
	55-64	289800	6.3		55-64	68600	7.6		55-64	159900	9.0
	≥65	522000	10.3		≥65	125400	11.9		≥65	290800	13.3
Colorado	18-24	4800	0.9	Michigan	18-24	25200	2.5	Rhode Island	18-24	2100	1.8
	25-34	8300	1.1		25-34	48300	4.1		25-34	3100	2.3
	35-44	12400	1.7		35-44	53600	4.6		35-44	3200	2.6
	45-54	23700	3.3		45-54	119800	8.8		45-54	9700	6.6
	55-64	48000	7.0		55-64	171800	12.5		55-64	11500	8.0

	≥65	75700	10.7		≥65	213700	13.7		≥65	20600	12.1
Connecticut	18-24	1600	0.5	Minnesota	18-24	8000	1.5	South Carolina	18-24	9700	2.0
	25-34	9000	2.1		25-34	11400	1.6		25-34	16800	2.7
	35-44	11900	2.7		35-44	14100	2.1		35-44	27900	4.7
	45-54	22000	4.1		45-54	28100	3.8		45-54	49300	7.7
	55-64	33600	6.8		55-64	46600	6.4		55-64	70900	11.2
	≥65	66000	11.6		≥65	77900	9.7		≥65	103600	13.3
Delaware	18-24	1600	1.7	Mississippi	18-24	10200	3.3	South Dakota	18-24	2200	2.5
	25-34	3500	2.9		25-34	12000	3.1		25-34	1500	1.4
	35-44	4700	4.3		35-44	17500	4.8		35-44	3300	3.3
	45-54	7900	6.2		45-54	34800	9.1		45-54	5700	5.4
	55-64	12700	10.1		55-64	47100	12.7		55-64	8500	7.5
	≥65	19500	12.5		≥65	49500	11.3		≥65	15200	11.3
District of Columbia	18-24	1000	1.5	Missouri	18-24	16600	2.8	Tennessee	18-24	22400	3.6
	25-34	3600	2.4		25-34	26100	3.3		25-34	37300	4.4
	35-44	2300	2.4		35-44	34800	4.8		35-44	46900	5.6
	45-54	6100	7.7		45-54	69900	8.7		45-54	112900	12.7
	55-64	7600	10.6		55-64	97600	12.3		55-64	129000	15.1
	≥65	9000	11.1		≥65	141400	14.8		≥65	165900	16.4
Florida	18-24	47400	2.6	Montana	18-24	2100	2.1	Texas	18-24	51900	1.9
	25-34	60500	2.4		25-34	1900	1.5		25-34	72400	1.9
	35-44	84500	3.5		35-44	3900	3.3		35-44	106400	2.9
	45-54	179300	6.6		45-54	7700	5.9		45-54	178500	5.1
	55-64	285000	10.8		55-64	11900	7.8		55-64	258100	8.4
	≥65	506400	13.0		≥65	22500	12.9		≥65	376200	11.7

Georgia	18-24	23800	2.3	Nebraska	18-24	2700	1.4	Utah	18-24	5100	1.5
	25-34	38000	2.8		25-34	6000	2.4		25-34	9100	2.0
	35-44	59900	4.4		35-44	6400	2.8		35-44	6800	1.7
	45-54	106700	7.6		45-54	13400	5.7		45-54	13400	4.3
	55-64	146400	12.1		55-64	19400	8.2		55-64	16400	5.9
	≥65	173300	13.5		≥65	31500	11.3		≥65	24700	8.1
Hawaii	18-24	1800	1.4	Nevada	18-24	5500	2.1	Vermont	18-24	1400	2.0
	25-34	4100	2.0		25-34	7000	1.8		25-34	1600	2.2
	35-44	5100	2.8		35-44	16000	4.1		35-44	2700	3.7
	45-54	6100	3.3		45-54	23300	6.1		45-54	5100	5.7
	55-64	10300	5.5		55-64	26400	7.6		55-64	7200	7.3
	≥65	17800	7.7		≥65	69300	16.9		≥65	13500	12.6
Idaho	18-24	3400	2.1	New Hampshire	18-24	2400	1.9	Virginia	18-24	18300	2.2
	25-34	4700	2.2		25-34	3900	2.5		25-34	29700	2.6
	35-44	4900	2.4		35-44	6700	4.3		35-44	33900	3.1
	45-54	9400	4.7		45-54	10900	5.3		45-54	70600	6.0
	55-64	12400	6.2		55-64	16100	8.0		55-64	96500	9.0
	≥65	24600	10.4		≥65	29400	13.7		≥65	145900	12.3
Illinois	18-24	25000	2.0	New Jersey	18-24	14700	1.8	Washington	18-24	23300	3.5
	25-34	34200	2.0		25-34	23100	2.1		25-34	20900	2.1
	35-44	63500	3.8		35-44	29700	2.6		35-44	33800	3.6
	45-54	102900	5.9		45-54	58300	4.4		45-54	57600	6.1
	55-64	134000	8.2		55-64	96000	8.1		55-64	82500	8.9
	≥65	210000	11.5		≥65	145000	10.7		≥65	115600	11.3
Indiana	18-24	17400	2.5	New Mexico	18-24	3000	1.4	West Virginia	18-24	7300	4.2
	25-34	24000	2.9		25-34	5200	1.9		25-34	10700	5.0

	35-44	37300	4.5		35-44	7600	3.1		35-44	20900	9.3
	45-54	87900	10.1		45-54	13300	5.2		45-54	39000	15.8
	55-64	105800	12.5		55-64	25000	9.2		55-64	53600	19.7
	≥65	145700	15.1		≥65	38600	12.1		≥65	64900	19.4
Iowa	18-24	6300	1.9	New York	18-24	32100	1.7	Wisconsin	18-24	5900	1.0
	25-34	7600	2.0		25-34	62700	2.2		25-34	10100	1.4
	35-44	11400	3.1		35-44	58600	2.4		35-44	13100	1.9
	45-54	23800	6.0		45-54	151400	5.5		45-54	36000	4.5
	55-64	30300	7.4		55-64	206100	8.2		55-64	65200	8.3
	≥65	57000	11.3		≥65	383700	12.9		≥65	89400	10.0
Kansas	18-24	4800	1.6	North Carolina	18-24	19900	2.0	Wyoming	18-24	600	1.1
	25-34	8400	2.2		25-34	42600	3.3		25-34	3300	4.0
	35-44	11200	3.2		35-44	51400	4.0		35-44	3200	4.5
	45-54	24800	6.9		45-54	107500	7.9		45-54	4000	5.5
	55-64	36000	9.9		55-64	154500	12.2		55-64	6700	8.2
	≥65	53800	12.7		≥65	208800	13.9		≥65	13200	15.6
								Puerto Rico	18-24	7800	2.1
									25-34	8400	1.8
									35-44	16300	3.5
									45-54	17100	3.6
									55-64	23700	5.4
									≥65	35700	6.2

Table 3. Estimated Number and Prevalence of Self-Reported, Physician-Diagnosed COPD Comorbidities among Adults Aged 18 Years and Older, by Age Group — United States, Behavioral Risk Factor Surveillance System, 2014-2015

Comorbidity	Characteristics	Estimated No.[1]	Age-Adjusted[2], %	Unadjusted, %	Comorbidity	Characteristics	Estimated No.[1]	Age-Adjusted,[2] %	Unadjusted, %
ASTHMA	Total	6833700	46.6	43.2	**KIDNEY DISEASE**	Total	1318700	6.6	8.3
	Age Group					Age Group			
	18-24	327700	---	49.8		18-24	18100	---	2.7
	25-34	538200	---	49.7		25-34	44200	---	4.0
	35-44	685300	---	49.1		35-44	98000	---	7.0
	45-54	1391600	---	49.4		45-54	186400	---	6.6
	55-64	1736900	---	44.3		55-64	330200	---	8.4
	65+	2154000	---	36.1		65+	641800	---	10.8
CHD[3]	Total	2670400	11.2	17.1	**MI**[4]	Total	2570000	11.1	16.3
	Age Group					Age Group			
	18-24	21000	---	3.1		18-24	16400	---	2.5
	25-34	33800	---	3.1		25-34	43200	---	4.0
	35-44	94500	---	6.8		35-44	104900	---	7.6
	45-54	360700	---	13.0		45-54	400900	---	14.2

[3] CHD - coronary heart disease
[4] MI - myocardial infarction

	55-64	765400	---	19.8		55-64	723700	---	18.5
	65+	1395000	---	23.8		65+	1280800	---	21.5
DEPRESSION	Total	6370200	44.0	40.1	**STROKE**	Total	1664600	7.5	10.5
	Age Group					Age Group			
	18-24	281200	---	42.5		18-24	14500	---	2.2
	25-34	465900	---	42.8		25-34	25300	---	2.3
	35-44	710400	---	50.8		35-44	81900	---	5.8
	45-54	1483200	---	52.5		45-54	299000	---	10.6
	55-64	1824200	---	46.5		55-64	463000	---	11.8
	65+	1605200	---	26.9		65+	781000	---	13.1
DIABETES	Total	3729500	17.8	24.4					
	Age Group								
	18-24	16600	---	2.6					
	25-34	79600	---	7.6					
	35-44	208900	---	15.6					
	45-54	628000	---	23.4					
	55-64	1099900	---	28.9					
	65+	1696400	---	29.3					

Table 4. Estimated Number and Prevalence of Self-Reported, Physician-Diagnosed COPD Comorbidities among Adults Aged 18 Years and Older, by State— United States, Behavioral Risk Factor Surveillance System, 2014-2015

Comorbidity	State	Estimated No.[1]	Unadjusted, %	Age-Adjusted[2], %	Comorbidity	State	Estimated No.[1]	Unadjusted, %	Age-Adjusted[2], %
ASTHMA		168200	44.1	48.8	**Kidney Disease**		27200	7.1	5.7
	Alabama	10200	44.4	46.6		Alabama	1000	4.4	2.3
	Alaska	137400	40.8	43.8		Alaska	39200	11.6	8.3
	Arizona	97100	46.2	45.1		Arizona	16600	8.0	5.7
	Arkansas	584600	44.5	45.1		Arkansas	115400	8.8	7.2
	California	65000	37.9	41.5		California	11900	6.9	3.9
	Colorado	71500	50.0	58.0		Colorado	11700	8.2	6.8
	Connecticut	20700	41.6	48.0		Connecticut	4800	9.7	9.1
	Delaware	13500	45.7	49.0		Delaware	2600	8.7	9.8
	District of Columbia	496000	43.0	49.7		District of Columbia	90100	7.8	6.1
	Florida	240400	43.9	44.5		Florida	44200	8.1	6.7
	Georgia	20200	45.2	45.0		Georgia	4400	9.7	7.4
	Hawaii	26200	44.4	46.9		Hawaii	4500	7.7	8.3
	Idaho	233100	41.1	42.0		Idaho	44600	7.9	7.5
	Illinois	185600	45.0	50.6		Illinois	32200	7.7	5.4
	Indiana	50200	37.0	38.1		Indiana	9000	6.6	4.2
	Iowa	57500	41.8	46.9		Iowa	12000	8.7	7.1
	Kansas	195600	47.5	49.0		Kansas	33600	8.2	7.1
	Kentucky	110700	41.9	45.3		Kentucky	19000	7.1	4.3
	Louisiana	39400	47.1	55.8		Louisiana	4900	5.8	3.4
	Maine	118600	43.6	45.2		Maine	18400	6.7	6.7
	Maryland	154000	47.4	52.9		Maryland	39500	12.2	13.8
	Massachusetts	280200	44.9	49.0		Massachusetts	51400	8.2	5.4
	Michigan	75600	41.1	48.7		Michigan	15400	8.3	5.8
	Minnesota	66300	38.9	40.9		Minnesota	14100	8.3	8.7
	Mississippi	167700	43.9	53.0		Mississippi	25100	6.6	5.0
	Missouri					Missouri			

	Montana	18500	37.2	44.9		Montana	4400	8.8	6.9
	Nebraska	31000	39.3	44.6		Nebraska	6100	7.7	5.9
	Nevada	46700	32.2	30.5		Nevada	16000	10.9	13.2
	New Hampshire	30500	44.5	47.0		New Hampshire	4000	5.8	3.6
	New Jersey	156400	43.0	47.3		New Jersey	25000	6.8	4.6
	New Mexico	39700	43.1	46.9		New Mexico	10000	10.8	10.6
	New York	384600	43.3	48.5		New York	56400	6.4	5.5
	North Carolina	236100	40.6	43.3		North Carolina	50900	8.8	7.3
	North Dakota	13600	47.7	59.4		North Dakota	1700	6.1	3.7
	Ohio	306200	42.9	45.2		Ohio	61900	8.6	5.5
	Oklahoma	100600	41.7	47.6		Oklahoma	20500	8.4	6.4
	Oregon	86000	49.4	52.9		Oregon	16300	9.4	6.1
	Pennsylvania	296300	43.1	50.5		Pennsylvania	54300	7.9	4.6
	Rhode Island	22500	45.4	50.1		Rhode Island	3300	6.6	4.5
	South Carolina	111200	40.3	41.7		South Carolina	23400	8.5	6.9
	South Dakota	13900	38.9	42.8		South Dakota	3200	8.7	10.3
	Tennessee	201600	39.6	42.7		Tennessee	39300	7.7	7.1
	Texas	436400	42.1	42.1		Texas	112500	10.9	9.4
	Utah	35000	47.0	48.6		Utah	6600	8.8	6.9
	Vermont	14800	47.4	56.3		Vermont	1900	6.2	4.4
	Virginia	163500	41.8	46.0		Virginia	27900	7.1	4.7
	Washington	149800	45.8	48.7		Washington	33600	10.2	8.1
	West Virginia	81400	41.8	45.2		West Virginia	17100	8.7	5.9
	Wisconsin	96000	43.9	52.0		Wisconsin	18400	8.4	5.3
	Wyoming	11700	37.7	41.9		Wyoming	3000	9.6	7.6
	Puerto Rico	62800	57.8	57.4		Puerto Rico	8100	7.4	6.6
CHD	Alabama	62400	16.5	12.8	**MI**	Alabama	62900	16.5	12.8
	Alaska	3000	13.6	10.0		Alaska	3400	14.8	10.0
	Arizona	51000	15.2	10.3		Arizona	50300	15.0	10.3

	39800	19.4	14.7		40700	19.4	14.7
Arkansas				Arkansas			
	173800	13.3	8.5		162000	12.4	8.5
California				California			
	26600	15.7	10.6		25000	14.6	10.6
Colorado				Colorado			
	22400	15.8	11.5		22300	15.7	11.5
Connecticut				Connecticut			
	6800	14.0	16.5		8300	16.8	16.5
Delaware				Delaware			
	4100	14.0	15.5		5100	17.3	15.5
District of Columbia				District of Columbia			
	226500	19.9	11.8		203900	17.7	11.8
Florida				Florida			
	86300	16.3	12.3		93000	17.1	12.3
Georgia				Georgia			
	4900	11.0	8.8		5000	11.2	8.8
Hawaii				Hawaii			
	9000	15.7	9.5		10000	17.0	9.5
Idaho				Idaho			
	89500	15.8	10.9		88400	15.6	10.9
Illinois				Illinois			
	77400	18.9	12.6		77600	18.7	12.6
Indiana				Indiana			
	22100	16.5	12.8		23500	17.4	12.8
Iowa				Iowa			
	21500	15.8	10.0		21100	15.3	10.0
Kansas				Kansas			
	71300	17.8	14.6		78900	19.3	14.6
Kentucky				Kentucky			
	51400	19.7	13.7		48200	18.2	13.7
Louisiana				Louisiana			
	14900	17.8	10.0		14800	17.6	10.0
Maine				Maine			
	38700	14.4	10.4		40300	14.8	10.4
Maryland				Maryland			
	56600	17.7	12.4		48200	14.9	12.4
Massachusetts				Massachusetts			
	98100	15.7	10.0		95800	15.3	10.0
Michigan				Michigan			
	28900	15.7	10.2		30000	16.3	10.2
Minnesota				Minnesota			
	26600	16.0	10.2		26700	15.9	10.2
Mississippi				Mississippi			
	73800	19.4	11.2		63400	16.6	11.2
Missouri				Missouri			
	5600	11.5	6.8		6700	13.6	6.8
Montana				Montana			
	13400	17.3	9.9		11700	14.9	9.9
Nebraska				Nebraska			
	21800	15.1	9.1		20600	14.2	9.1
Nevada				Nevada			
	9900	14.6	9.4		10600	15.4	9.4
New Hampshire				New Hampshire			
	60600	17.0	9.0		59700	16.5	9.0
New Jersey				New Jersey			
	14800	16.3	9.3		14100	15.3	9.3
New Mexico				New Mexico			

	New York	154200	17.4	11.8		New York	146300	16.4	11.8
	North Carolina	106700	18.6	12.0		North Carolina	99700	17.3	12.0
	North Dakota	5400	19.3	11.0		North Dakota	5200	18.2	11.0
	Ohio	122000	17.3	11.1		Ohio	123700	17.5	11.1
	Oklahoma	49900	20.9	13.5		Oklahoma	50900	21.1	13.5
	Oregon	26200	15.3	11.5		Oregon	25400	14.7	11.5
	Pennsylvania	132700	19.4	10.6		Pennsylvania	125700	18.2	10.6
	Rhode Island	7900	16.1	13.4		Rhode Island	7400	15.0	13.4
	South Carolina	48100	17.9	10.7		South Carolina	45600	16.6	10.7
	South Dakota	6600	18.7	13.3		South Dakota	7000	19.5	13.3
	Tennessee	86400	17.1	12.5		Tennessee	91600	18.0	12.5
	Texas	173100	17.0	9.6		Texas	155400	15.0	9.6
	Utah	9800	13.3	8.9		Utah	9400	12.7	8.9
	Vermont	5700	18.5	9.6		Vermont	5100	16.5	9.6
	Virginia	60900	15.8	11.4		Virginia	61500	15.6	11.4
	Washington	49300	15.0	11.9		Washington	49900	15.1	11.9
	West Virginia	39000	20.3	12.7		West Virginia	35800	18.4	12.7
	Wisconsin	40000	18.7	10.6		Wisconsin	32100	14.8	10.6
	Wyoming	5100	16.7	10.3		Wyoming	6000	19.2	10.3
	Puerto Rico	27200	25.1	9.6		Puerto Rico	13500	12.4	9.6
DEPRESSION	Alabama	178000	46.4	49.3	**STROKE**	Alabama	50300	13.1	10.0
	Alaska	7300	31.4	36.7		Alaska	2600	11.4	9.1
	Arizona	130000	38.3	40.0		Arizona	40100	11.9	9.3
	Arkansas	98500	46.7	54.9		Arkansas	24600	11.7	8.4
	California	460800	35.0	35.0		California	122600	9.3	6.8
	Colorado	66300	38.7	43.9		Colorado	14500	8.5	4.7
	Connecticut	54600	38.0	41.9		Connecticut	13300	9.4	7.2
	Delaware	19400	39.2	48.8		Delaware	4800	9.8	6.9
	District of Columbia	12300	41.7	43.0		District of Columbia	3300	11.1	10.9

	457500	39.5	45.9		137800	11.9	7.4
Florida				Florida			
	232500	42.8	44.9		62400	11.4	7.7
Georgia				Georgia			
	12200	27.3	30.0		4700	10.4	6.5
Hawaii				Hawaii			
	21900	37.3	42.8		5200	8.8	7.2
Idaho				Idaho			
	188100	33.2	33.2		64200	11.3	8.0
Illinois				Illinois			
	174600	41.8	44.5		40000	9.6	6.9
Indiana				Indiana			
	51800	38.2	48.7		10200	7.5	5.3
Iowa				Iowa			
	56000	40.4	45.8		15400	11.2	7.5
Kansas				Kansas			
	168000	40.6	44.0		49400	11.9	10.3
Kentucky				Kentucky			
	120100	45.1	47.0		26600	10.0	6.8
Louisiana				Louisiana			
	39400	46.7	59.5		8700	10.3	6.5
Maine				Maine			
	93400	34.1	37.0		21400	7.8	5.5
Maryland				Maryland			
	151400	46.6	56.8		37200	11.5	11.9
Massachusetts				Massachusetts			
	259400	41.3	45.8		56200	8.9	5.7
Michigan				Michigan			
	73100	39.6	48.6		17300	9.4	6.7
Minnesota				Minnesota			
	70200	41.4	46.1		18600	10.9	7.9
Mississippi				Mississippi			
	170300	44.6	47.4		47900	12.5	9.5
Missouri				Missouri			
	19200	38.9	43.8		4400	8.8	5.4
Montana				Montana			
	29500	37.3	43.8		7500	9.5	6.6
Nebraska				Nebraska			
	50900	35.1	43.0		14800	10.2	9.0
Nevada				Nevada			
	31200	45.6	63.1		7000	10.1	8.5
New Hampshire				New Hampshire			
	117900	32.4	37.8		32000	8.8	5.8
New Jersey				New Jersey			
	39700	43.0	48.9		9500	10.4	8.6
New Mexico				New Mexico			
	327200	36.8	41.7		73200	8.2	5.7
New York				New York			
	233400	40.2	43.5		64500	11.1	8.1
North Carolina				North Carolina			
	11200	39.3	51.2		2500	8.8	5.2
North Dakota				North Dakota			
	293900	41.1	47.4		78700	11.0	6.6
Ohio				Ohio			
	120700	49.5	57.1		27500	11.3	7.4
Oklahoma				Oklahoma			
	81700	47.0	54.4		15500	9.0	5.5
Oregon				Oregon			

	Pennsylvania	266300	38.6	45.7		Pennsylvania	75600	11.0	8.1
	Rhode Island	20300	40.8	50.5		Rhode Island	4200	8.4	7.4
	South Carolina	129000	46.9	48.6		South Carolina	33900	12.2	9.7
	South Dakota	11100	30.7	38.7		South Dakota	3900	10.9	9.9
	Tennessee	228700	44.7	47.0		Tennessee	66500	13.0	9.6
	Texas	414100	39.9	41.2		Texas	110400	10.6	7.3
	Utah	34000	45.4	48.9		Utah	7100	9.6	7.0
	Vermont	12700	41.1	54.3		Vermont	2700	8.6	5.6
	Virginia	158200	40.3	45.5		Virginia	39900	10.2	7.4
	Washington	146200	44.4	47.5		Washington	31200	9.4	7.0
	West Virginia	83200	42.6	46.4		West Virginia	21500	11.0	8.4
	Wisconsin	84800	39.2	39.8		Wisconsin	22600	10.4	6.5
	Wyoming	13300	42.8	52.4		Wyoming	3100	10.0	5.7
	Puerto Rico	43600	40.1	41.6		Puerto Rico	5100	4.6	4.2
DIABETES	Alabama	86300	23.2	17.9	**DIABETES**				
	Alaska	5200	23.7	15.6		Nebraska	18000	23.4	17.2
	Arizona	75600	23.2	18.9		Nevada	23300	16.2	10.8
	Arkansas	47200	22.6	16.5		New Hampshire	14200	21.4	14.8
	California	297800	24.1	16.4		New Jersey	82100	23.4	15.0
	Colorado	34200	20.8	15.7		New Mexico	21500	23.7	17.8
	Connecticut	32000	23.3	16.3		New York	220700	25.9	18.9
	Delaware	10700	22.4	16.3		North Carolina	142300	25.4	18.3
	District of Columbia	8400	29.1	22.1		North Dakota	5700	20.2	14.7
	Florida	277500	25.0	18.2		Ohio	171100	24.7	18.5
	Georgia	153600	28.7	21.1		Oklahoma	65400	27.7	20.9
	Hawaii	8300	19.6	15.9		Oregon	40700	24.1	17.2
	Idaho	11400	20.4	13.8		Pennsylvania	178500	26.7	19.4
	Illinois	107900	19.2	13.3		Rhode Island	10700	21.9	19.2
	Indiana	101600	24.9	16.6		South Carolina	70600	26.6	20.0

Iowa	31000	23.5	15.6	South Dakota	7000	20.3	13.2
Kansas	34300	25.5	19.2	Tennessee	118300	24.2	18.5
Kentucky	113200	28.3	21.8	Texas	257600	25.6	18.1
Louisiana	63700	24.8	20.3	Utah	16300	22.3	18.1
Maine	18200	22.1	15.0	Vermont	5700	18.7	14.0
Maryland	58200	21.9	14.8	Virginia	88800	23.3	17.4
Massachusetts	73800	23.7	18.7	Washington	63400	20.1	16.2
Michigan	125000	20.5	13.6	West Virginia	52200	27.4	19.5
Minnesota	40600	22.9	14.5	Wisconsin	49700	23.4	16.6
Mississippi	42900	26.0	18.0	Wyoming	7100	23.0	17.6
Missouri	97400	26.6	21.9	Puerto Rico	32700	31.8	23.0
Montana	9000	18.5	12.2				

Table 5. Average Number, Unadjusted and Age-Adjusted Mortality Rates per 100, 000 Persons of Self-Reported, Physician-Diagnosed COPD among Adults of All Ages, by State— United States, CDC Wonder Online Database, 2014-2015

State	No.	Unadjusted, %	Age-Adjusted, %
Alabama	3097	63.8	53.7
Alaska	187	25.3	36.5
Arizona	3428	50.6	41.6
Arkansas	2145	72.1	59.5
California	12675	32.5	31.3
Colorado	2455	45.4	46.4
Connecticut	1316	36.6	28.8
Delaware	469	49.8	39.9
District of Columbia	131	19.6	21
Florida	11187	55.7	37.2
Georgia	4361	42.9	45.1
Hawaii	293	20.5	15.6
Idaho	804	48.9	44.5
Illinois	5395	41.9	37.3
Indiana	4012	60.7	53.2
Iowa	1894	60.8	46.7
Kansas	1650	56.8	48.2
Kentucky	3222	72.9	63
Louisiana	2149	46.1	43.2
Maine	940	70.7	49.7
Maryland	1876	31.3	28.6
Massachusetts	2584	38.1	30.9
Michigan	5462	55.1	44.7
Minnesota	2230	40.7	34.9
Mississippi	1774	59.3	53
Missouri	3748	61.7	50.6
Montana	661	64.2	49.2
Nebraska	1107	58.6	49.5
Nevada	1542	53.8	52.6
New Hampshire	670	50.4	40
New Jersey	2983	33.3	27.7
New Mexico	1087	52.1	44.2
New York	6610	33.4	27.9
North Carolina	4977	49.8	43.9
North Dakota	323	43.2	36.8
Ohio	6812	58.7	47.1
Oklahoma	2786	71.5	63.1
Oregon	1949	48.7	39.4
Pennsylvania	6337	49.5	36.2
Rhode Island	496	46.9	35.4
South Carolina	2724	56	47.5
South Dakota	460	53.7	42
Tennessee	4015	61.1	52.5
Texas	9669	35.5	39.8
Utah	745	25.1	31.8
Vermont	331	52.8	39.8
Virginia	3115	37.3	34.8
Washington	2903	40.8	37.1
West Virginia	1575	85.3	62.5
Wisconsin	2713	47	38
Wyoming	349	59.6	55
US Total	**146,412**	**45.7**	**39.7**