
Section 10

Chronic Obstructive Pulmonary Disease

Chronic Obstructive Pulmonary Disease: Mortality

Table 10-1. Chronic obstructive pulmonary disease: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by usual industry, U.S. residents age 15 and over, selected states, 1999

CIC	Industry	Number of Deaths	PMR	95% Confidence Interval	
				LCL	UCL
041	Coal mining	783	1.98	1.84	2.12
410	Trucking service	1,281	1.29	1.22	1.37
050	Nonmetallic mining and quarrying, except fuel	77	1.28	1.01	1.61
751	Automotive repair and related services	627	1.26	1.17	1.37
040	Metal mining	115	1.26	1.04	1.52
230	Logging	172	1.25	1.07	1.46
042	Oil and gas extraction	129	1.24	1.04	1.48
641	Eating and drinking places	1,373	1.23	1.17	1.30
760	Miscellaneous repair services	183	1.23	1.06	1.42
060	Construction	4,288	1.19	1.16	1.23
242	Furniture and fixtures	335	1.19	1.06	1.32
762	Hotels and motels	335	1.18	1.06	1.32
771	Laundry, cleaning, and garment services	257	1.15	1.01	1.30
802	Miscellaneous entertainment and recreation services	291	1.15	1.02	1.29
832	Nursing and personal care facilities	310	1.13	1.01	1.27
942	Military	855	1.11	1.04	1.19
142	Yarn, thread, and fabric mills	1,423	1.07	1.01	1.12
831	Hospitals	1,380	1.06	1.01	1.12

CIC - Census Industry Code n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

NOTE: See appendices for source description, methods, and ICD codes, industry and occupation codes, and list of selected states.

SOURCE: National Center for Health Statistics multiple cause of death data.

Chronic Obstructive Pulmonary Disease: Mortality

Table 10-2. Chronic obstructive pulmonary disease: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by usual occupation, U.S. residents age 15 and over, selected states, 1999

COC	Occupation	Number of Deaths	PMR	95% Confidence Interval	
				LCL	UCL
764	Washing, cleaning, and pickling machine operators	10	2.35	1.13	4.33
864	Helpers, mechanics and repairers	9	2.22	1.02	4.22
743	Textile cutting machine operators	11	2.02	1.01	3.62
616	Mining machine operators	768	2.01	1.87	2.16
599	Construction trades, n.e.c.	69	1.81	1.42	2.31
617	Mining occupations, n.e.c.	28	1.81	1.21	2.62
853	Excavating and loading machine operators	28	1.73	1.15	2.50
595	Roofers	71	1.66	1.31	2.11
435	Waiters and waitresses	434	1.61	1.46	1.77
573	Drywall installers	33	1.48	1.02	2.08
709	Grinding, abrading, buffing, and polishing machine operators	53	1.44	1.09	1.91
747	Pressing machine operators	70	1.43	1.12	1.82
888	Hand packers and packagers	84	1.39	1.12	1.73
885	Garage and service station related occupations	44	1.39	1.01	1.86
579	Painters, construction and maintenance	308	1.37	1.22	1.53
727	Sawing machine operators	63	1.32	1.03	1.71
507	Bus, truck, and stationary engine mechanic	149	1.30	1.11	1.54
514	Automobile body and related repairers	66	1.30	1.02	1.67
567	Carpenters	938	1.30	1.21	1.38
783	Welders and cutters	351	1.28	1.15	1.43
496	Timber cutting and logging occupations	135	1.26	1.06	1.50
804	Truck drivers	1,617	1.26	1.20	1.32
869	Construction laborers	664	1.25	1.15	1.35
844	Operating engineers	318	1.23	1.10	1.38
505	Automobile mechanics	499	1.23	1.13	1.35
585	Plumbers, pipefitters, and steamfitters	326	1.17	1.05	1.31
889	Laborers, except construction	1,586	1.17	1.11	1.23
447	Nursing aides, orderlies, and attendants	569	1.17	1.07	1.27
449	Maids and housemen	176	1.16	1.00	1.35
777	Miscellaneous machine operators, n.e.c.	293	1.16	1.04	1.31
479	Farm workers	217	1.16	1.01	1.33
563	Brickmasons and stonemasons	186	1.16	1.00	1.34
436	Cooks	484	1.15	1.05	1.25
779	Machine operators, not specified	632	1.14	1.05	1.23
905	Military occupations	746	1.10	1.03	1.19

COC - Census Occupation Code n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

NOTE: See appendices for source description, methods, and ICD codes, industry and occupation codes, and list of selected states.

SOURCE: National Center for Health Statistics multiple cause of death data.

Chronic Obstructive Pulmonary Disease: Morbidity

Table 10-3. Chronic obstructive pulmonary disease: Estimated prevalence by current industry and smoking status, U.S. residents age 18 and over, 2000

Industry	Nonsmokers			Current Smokers		
	Number of Respondents	Prevalence (%)	95% Confidence Interval	Number of Respondents	Prevalence (%)	95% Confidence Interval
Forestry and fisheries	17	15.0	0.0 - 41.3	7	0.0	- -
General merchandise stores	208	7.2	2.5 - 11.9	106	16.3	8.5 - 24.1
Furniture, lumber and wood	115	5.6	0.0 - 13.2	61	4.3	0.0 - 9.0
Other transportation	227	5.5	2.0 - 9.0	109	5.9	2.2 - 9.6
Banking and credit agencies	265	5.1	2.2 - 8.0	90	7.6	0.0 - 16.2
Social services, religious and membership orgs.	490	4.5	2.3 - 6.7	148	6.9	2.0 - 13.7
Machinery, except electrical	148	4.1	0.4 - 7.8	92	6.0	0.7 - 11.3
Textile mill and finished textile products	114	4.0	0.0 - 9.3	45	5.1	0.0 - 12.2
Automotive dealers and gasoline stations	142	3.9	0.0 - 8.2	119	7.6	2.3 - 12.9
Health services, except hospitals	653	3.7	2.1 - 5.3	252	10.1	5.8 - 14.4
Legal, engineering and other professional services	422	3.7	1.7 - 5.7	144	8.6	3.5 - 13.7
Elementary and secondary schools and colleges	1,160	3.6	2.2 - 5.0	211	10.1	4.2 - 16.0
Agriculture	278	3.4	1.2 - 5.6	109	6.6	1.1 - 12.1
Other and not specified retail trade	510	3.4	1.4 - 5.4	229	6.4	2.9 - 9.9
Other nondurable goods	113	3.2	0.0 - 7.2	60	6.3	0.0 - 12.8
Primary metal industries	46	3.1	0.0 - 9.0	40	6.5	0.0 - 14.1
Utilities and sanitary	107	2.9	0.0 - 6.0	38	4.2	0.0 - 12.2
Insurance, real estate, and other finance	479	2.8	1.2 - 4.4	194	4.8	1.5 - 8.1
Other personal services	297	2.7	0.9 - 4.5	151	4.4	0.9 - 7.9
Communications	195	2.6	0.3 - 5.0	79	5.7	0.0 - 11.4
Food, bakery and dairy stores	215	2.4	0.4 - 4.4	154	8.2	2.5 - 13.9
Public administration	534	2.3	1.1 - 3.5	193	7.8	3.9 - 11.7
Printing, publishing and allied industries	132	2.1	0.0 - 6.0	47	5.6	0.0 - 12.1
Transportation equipment	166	2.0	0.0 - 4.4	84	10.2	3.1 - 17.3
Wholesale trade	367	2.0	0.4 - 3.6	172	3.7	0.8 - 6.6
Hospitals	510	2.0	0.6 - 3.4	164	3.8	1.3 - 6.3
Business services	679	1.8	0.8 - 2.8	349	8.9	5.6 - 12.2
Entertainment and recreation services	200	1.8	0.0 - 3.6	89	4.1	0.0 - 8.4
Food and kindred products	121	1.7	0.0 - 4.2	83	2.7	0.0 - 6.4
Eating and drinking places	426	1.7	0.1 - 3.3	353	7.9	4.6 - 11.2
Other educational services	53	1.7	0.0 - 4.1	10	46.5	5.5 - 87.5
Construction	547	1.6	0.4 - 2.8	450	4.1	2.1 - 6.1
Electrical machinery, equipment and supplies	161	1.2	0.0 - 2.8	75	3.8	0.0 - 7.9
Repair services	112	1.2	0.0 - 2.8	113	6.6	1.9 - 11.3
Other and not specified durable goods	139	1.1	0.0 - 2.7	60	0.0	- -
Trucking service and warehousing	181	1.1	0.0 - 2.5	126	6.7	2.6 - 10.8
Private households	120	0.9	0.0 - 2.7	27	13.1	0.0 - 29.8
Mining	28	0.0	- -	25	11.8	0.0 - 25.2
Chemicals and allied products	93	0.0	- -	36	8.7	0.0 - 20.1
Fabricated metal industries, including ordnance	82	0.0	- -	67	3.3	0.0 - 8.0
Railroads	22	0.0	- -	12	10.2	0.0 - 29.2
Armed forces	2	0.0	- -	0	-	- -
TOTAL	11,229	2.8	2.4 - 3.2	5,078	6.8	6.0 - 7.6

- No estimates due to no chronic obstructive pulmonary disease cases or no respondents.

Nonsmokers - Those respondents who indicated that they never smoked or smoked less than 100 cigarettes in their lifetime.

NOTE: Industries were classified according to 1995 Standard Industrial Classification System and then regrouped by NCHS. See appendices for source description, methods, and ICD codes.

SOURCE: National Center for Health Statistics 2000 National Health Interview Survey.

Chronic Obstructive Pulmonary Disease: Morbidity

Table 10-4. Chronic obstructive pulmonary disease: Estimated prevalence by current industry and smoking status, U.S. male residents age 18 and over, 2000

Industry	Nonsmokers			Current Smokers		
	Number of Respondents	Prevalence (%)	95% Confidence Interval	Number of Respondents	Prevalence (%)	95% Confidence Interval
Forestry and fisheries	12	22.2	0.0 - 58.7	6	0.0	- -
Other educational services	7	6.0	0.0 - 18.0	3	22.6	0.0 - 66.9
Social services, religious and membership orgs.	97	5.4	0.3 - 10.5	21	4.0	0.0 - 11.6
Banking and credit agencies	55	5.2	0.0 - 12.3	23	0.0	- -
Textile mill and finished textile products	33	4.8	0.0 - 12.6	23	4.3	0.0 - 12.9
Machinery, except electrical	105	4.3	0.0 - 8.8	71	6.8	0.3 - 13.3
Printing, publishing and allied industries	65	4.1	0.0 - 11.7	32	3.5	0.0 - 10.2
Primary metal industries	31	3.9	0.0 - 11.5	30	3.2	0.0 - 9.5
Legal, engineering and other professional services	211	3.8	1.1 - 6.5	59	3.9	0.0 - 8.6
Other transportation	125	3.2	0.0 - 7.1	68	3.5	0.0 - 8.0
Utilities and sanitary	83	2.8	0.0 - 6.1	29	0.0	- -
General merchandise stores	49	2.5	0.0 - 6.8	40	13.9	1.7 - 26.1
Communications	105	2.3	0.0 - 5.0	42	3.6	0.0 - 10.5
Automotive dealers and gasoline stations	98	2.3	0.0 - 6.8	82	6.1	0.2 - 12.0
Transportation equipment	114	2.1	0.0 - 5.0	59	11.5	3.1 - 19.9
Insurance, real estate, and other finance	181	2.1	0.0 - 4.5	80	5.7	0.2 - 11.2
Eating and drinking places	195	1.9	0.0 - 4.4	161	2.7	0.0 - 5.8
Agriculture	204	1.8	0.0 - 3.8	87	6.4	0.5 - 12.3
Other and not specified retail trade	214	1.8	0.0 - 4.3	103	2.0	0.0 - 4.4
Construction	490	1.5	0.3 - 2.7	423	4.1	1.9 - 6.3
Elementary and secondary schools and colleges	313	1.4	0.2 - 2.6	56	10.1	0.7 - 19.5
Food, bakery and dairy stores	100	1.3	0.0 - 3.1	57	10.1	0.0 - 21.7
Repair services	99	1.3	0.0 - 3.1	96	3.6	0.0 - 7.5
Public administration	258	1.2	0.0 - 2.6	91	4.2	0.0 - 8.7
Entertainment and recreation services	116	1.0	0.0 - 3.0	48	2.8	0.0 - 8.3
Food and kindred products	62	0.8	0.0 - 2.4	56	0.0	- -
Other nondurable goods	75	0.8	0.0 - 2.4	45	3.8	0.0 - 9.1
Wholesale trade	218	0.7	0.0 - 1.5	115	1.8	0.0 - 4.0
Trucking service and warehousing	136	0.6	0.0 - 1.8	96	2.7	0.0 - 6.0
Business services	351	0.6	0.0 - 1.2	186	9.0	4.3 - 13.7
Hospitals	112	0.6	0.0 - 1.8	26	2.8	0.0 - 8.3
Electrical machinery, equipment and supplies	87	0.5	0.0 - 1.5	43	0.0	- -
Mining	24	0.0	- -	21	14.8	0.0 - 31.1
Chemicals and allied products	54	0.0	- -	21	7.4	0.0 - 21.3
Furniture, lumber and wood	81	0.0	- -	41	6.5	0.0 - 13.6
Fabricated metal industries, including ordnance	57	0.0	- -	54	3.9	0.0 - 9.4
Other and not specified durable goods	78	0.0	- -	47	0.0	- -
Railroads	19	0.0	- -	12	10.2	0.0 - 29.2
Private households	6	0.0	- -	2	0.0	- -
Other personal services	75	0.0	- -	60	5.8	0.0 - 12.9
Health services, except hospitals	103	0.0	- -	32	4.1	0.0 - 11.7
Armed forces	1	0.0	- -	0	-	- -
TOTAL	5,057	1.7	1.3 - 2.1	2,712	4.6	3.6 - 5.6

- No estimates due to no chronic obstructive pulmonary disease cases or no respondents.

Nonsmokers - Those respondents who indicated that they never smoked or smoked less than 100 cigarettes in their lifetime.

NOTE: Industries were classified according to 1995 Standard Industrial Classification System and then regrouped by NCHS. See appendices for source description, methods, and ICD codes.

SOURCE: National Center for Health Statistics 2000 National Health Interview Survey.

Chronic Obstructive Pulmonary Disease: Morbidity

Table 10-5. Chronic obstructive pulmonary disease: Estimated prevalence by current industry and smoking status, U.S. female residents age 18 and over, 2000

Industry	Nonsmokers			Current Smokers		
	Number of Respondents	Prevalence (%)	95% Confidence Interval	Number of Respondents	Prevalence (%)	95% Confidence Interval
Furniture, lumber and wood	34	18.1	0.0 - 40.2	20	0.0	- -
Other nondurable goods	38	9.7	0.0 - 22.4	15	15.4	0.0 - 36.8
Other transportation	102	8.8	2.1 - 15.5	41	11.8	0.6 - 23.0
General merchandise stores	159	8.6	2.5 - 14.7	66	17.8	8.0 - 27.6
Automotive dealers and gasoline stations	44	8.6	0.0 - 19.6	37	11.2	0.0 - 22.6
Agriculture	74	8.3	1.0 - 15.6	22	7.7	0.0 - 22.0
Banking and credit agencies	210	5.1	2.2 - 8.0	67	10.8	0.0 - 22.6
Other and not specified retail trade	296	4.8	1.9 - 7.7	126	11.1	4.4 - 17.8
Health services, except hospitals	550	4.6	2.6 - 6.6	220	11.0	6.1 - 15.9
Elementary and secondary schools and colleges	847	4.5	2.7 - 6.3	155	11.5	4.4 - 18.6
Wholesale trade	149	4.3	0.6 - 8.0	57	8.8	0.4 - 17.2
Social services, religious and membership orgs.	393	4.2	1.8 - 6.6	127	7.5	2.0 - 13.0
Utilities and sanitary	24	3.9	0.0 - 11.5	9	23.6	0.0 - 61.8
Other personal services	222	3.8	1.3 - 6.3	91	3.3	0.2 - 6.4
Public administration	276	3.7	1.3 - 6.1	102	11.7	4.8 - 18.6
Textile mill and finished textile products	81	3.6	0.0 - 10.7	22	5.7	0.0 - 16.1
Machinery, except electrical	43	3.6	0.0 - 10.5	21	2.7	0.0 - 8.0
Legal, engineering and other professional services	211	3.6	0.7 - 6.5	85	12.6	4.2 - 21.0
Business services	328	3.5	1.3 - 5.7	163	8.9	4.0 - 13.8
Food, bakery and dairy stores	115	3.4	0.3 - 6.5	97	6.9	1.6 - 12.2
Insurance, real estate, and other finance	298	3.3	1.3 - 5.3	114	4.2	0.1 - 8.3
Trucking service and warehousing	45	3.1	0.0 - 8.4	30	21.9	7.4 - 36.4
Communications	90	3.1	0.0 - 7.4	37	8.8	0.0 - 18.4
Entertainment and recreation services	84	3.1	0.0 - 6.8	41	6.0	0.0 - 13.3
Food and kindred products	59	2.9	0.0 - 8.6	27	9.4	0.0 - 22.1
Other and not specified durable goods	61	2.7	0.0 - 6.6	13	0.0	- -
Construction	57	2.6	0.0 - 6.7	27	4.2	0.0 - 10.3
Hospitals	398	2.5	0.7 - 4.3	138	4.0	1.1 - 6.9
Electrical machinery, equipment and supplies	74	2.3	0.0 - 5.8	32	8.9	0.0 - 18.3
Transportation equipment	52	1.6	0.0 - 4.5	25	6.0	0.0 - 14.8
Eating and drinking places	231	1.5	0.0 - 3.1	192	13.2	7.5 - 18.9
Other educational services	46	1.1	0.0 - 3.3	7	52.4	6.3 - 98.5
Private households	114	0.9	0.0 - 2.7	25	14.2	0.0 - 32.1
Forestry and fisheries	5	0.0	- -	1	0.0	- -
Mining	4	0.0	- -	4	0.0	- -
Printing, publishing and allied industries	67	0.0	- -	15	12.5	0.0 - 28.8
Chemicals and allied products	39	0.0	- -	15	10.4	0.0 - 29.4
Primary metal industries	15	0.0	- -	10	19.3	0.0 - 46.3
Fabricated metal industries, including ordnance	25	0.0	- -	13	0.0	- -
Railroads	3	0.0	- -	0	-	- -
Repair services	13	0.0	- -	17	29.0	4.5 - 53.5
Armed forces	1	0.0	- -	0	-	- -
TOTAL	6,172	4.0	3.4 - 4.6	2,366	9.7	8.1 - 11.3

- No estimates due to no chronic obstructive pulmonary disease cases or no respondents.

Nonsmokers - Those respondents who indicated that they never smoked or smoked less than 100 cigarettes in their lifetime.

NOTE: Industries were classified according to 1995 Standard Industrial Classification System and then regrouped by NCHS. See appendices for source description, methods, and ICD codes.

SOURCE: National Center for Health Statistics 2000 National Health Interview Survey.

Chronic Obstructive Pulmonary Disease: Morbidity

Table 10-6. Chronic obstructive pulmonary disease: Estimated prevalence by current occupation and smoking status, U.S. residents age 18 and over, 2000

Occupation	Nonsmokers			Current Smokers		
	Number of Respondents	Prevalence (%)	95% Confidence Interval	Number of Respondents	Prevalence (%)	95% Confidence Interval
Supervisors and proprietors	312	5.5	2.0 - 9.0	151	5.7	1.6 - 9.8
Financial records processing occupations	202	5.4	1.9 - 8.9	78	10.8	2.6 - 19.0
Other administrative support	1117	5.2	3.6 - 6.8	472	9.7	6.4 - 13.0
Other professional specialty occupations	265	5.0	2.1 - 7.9	72	9.5	2.8 - 16.2
Other protective service occupations	78	4.8	0.0 - 9.9	49	17.2	5.0 - 29.4
Mail and message distributing	75	4.7	0.0 - 9.4	28	5.7	0.0 - 16.5
Health service	257	4.7	1.8 - 7.6	154	8.4	2.5 - 14.3
Secretaries, stenographers and typists	239	4.3	1.4 - 7.2	91	9.9	3.4 - 16.4
Fabricators, assemblers, inspectors and samplers	217	3.9	0.6 - 7.2	117	6.0	1.1 - 10.9
Teachers, librarians and counselors	779	3.8	2.2 - 5.4	117	10.9	8.9 - 12.9
Writers, artists, entertainers and athletes	200	3.4	0.1 - 6.7	64	1.9	0.0 - 5.4
Management related occupations	475	3.3	1.3 - 5.3	161	4.1	1.2 - 7.0
Technologists, technicians except health	220	3.2	0.5 - 5.9	75	4.1	0.0 - 9.8
Food service	399	3.2	0.8 - 5.6	324	9.0	5.1 - 12.9
Other sales	511	3.1	1.1 - 5.1	239	7.3	3.8 - 10.8
Farm workers and other agricultural workers	196	3.1	0.2 - 6.0	97	8.7	2.2 - 15.2
Officials and administrators, public administration	56	2.7	0.0 - 6.6	25	5.4	0.0 - 13.0
Sales representatives, commodities and finance	346	2.6	1.0 - 4.2	131	2.3	0.0 - 4.7
Farm operators and managers	69	2.6	0.0 - 5.9	19	6.2	0.0 - 18.0
Managers and administrators, except public admin.	985	2.4	1.4 - 3.4	463	5.2	2.3 - 8.1
Personal service	290	2.3	0.5 - 4.1	96	8.9	2.0 - 15.8
Cleaning and building service	289	2.0	0.0 - 4.2	167	8.5	4.0 - 13.0
Construction laborers	80	1.9	0.0 - 5.4	52	7.2	0.1 - 14.3
Health technologists and technicians	165	1.8	0.0 - 4.0	71	12.4	4.2 - 20.6
Freight, stock and material handlers	310	1.8	0.2 - 3.4	194	8.0	3.5 - 12.5
Engineers	199	1.6	0.0 - 3.4	41	6.9	0.0 - 14.3
Machine operators and tenderers, except precision	370	1.5	0.3 - 2.7	237	3.5	1.0 - 6.0
Health assessment and treating occupations	324	1.4	0.0 - 2.8	76	4.8	0.0 - 9.7
Mechanics and repairers	283	1.2	0.0 - 2.6	200	5.5	2.2 - 8.8
Natural mathematical and computer scientists	236	1.0	0.0 - 2.2	65	6.5	0.0 - 13.2
Private household occupations	108	1.0	0.0 - 3.0	18	18.3	0.0 - 40.6
Construction and extractive trades	332	0.8	0.0 - 1.6	325	4.4	2.0 - 6.8
Motor vehicle operators	268	0.6	0.0 - 1.6	206	6.9	3.0 - 10.8
Precision production occupations	240	0.5	0.0 - 1.1	185	6.1	1.8 - 10.4
Health diagnosing occupations	122	0.2	0.0 - 0.6	5	0.0	- -
Architects and surveyors	17	0.0	- -	6	0.0	- -
Computer equipment operators	29	0.0	- -	6	0.0	- -
Police and firefighters	120	0.0	- -	33	7.0	0.0 - 17.2
Forestry and fishing occupations	12	0.0	- -	7	0.0	- -
Other transportation, except motor vehicles	15	0.0	- -	11	18.3	0.0 - 40.1
Material moving equipment operators	64	0.0	- -	56	2.2	0.0 - 6.3
Military	3	0.0	- -	3	0.0	- -
TOTAL	11,229	2.8	2.4 - 3.2	5,078	6.8	6.0 - 7.6

- No estimates due to no chronic obstructive pulmonary disease cases or no respondents.

Nonsmokers - Those respondents who indicated that they never smoked or smoked less than 100 cigarettes in their lifetime.

NOTE: Industries were classified according to 1995 Standard Industrial Classification System and then regrouped by NCHS. See appendices for source description, methods, and ICD codes.

SOURCE: National Center for Health Statistics 2000 National Health Interview Survey.

Chronic Obstructive Pulmonary Disease: Morbidity

Table 10-7. Chronic obstructive pulmonary disease: Estimated prevalence by current occupation and smoking status, U.S. male residents age 18 and over, 2000

Occupation	Nonsmokers			Current Smokers		
	Number of Respondents	Prevalence (%)	95% Confidence Interval	Number of Respondents	Prevalence (%)	95% Confidence Interval
Writers, artists, entertainers and athletes	107	5.8	0.0 - 11.7	34	0.0	- -
Other protective service occupations	49	5.1	0.0 - 12.0	31	17.9	2.6 - 33.2
Management related occupations	166	4.5	0.4 - 8.6	57	1.2	0.0 - 3.6
Other administrative support	241	4.3	1.6 - 7.0	120	3.4	0.1 - 6.7
Other professional specialty occupations	109	4.1	0.4 - 7.8	22	13.2	0.0 - 27.9
Technologists, technicians except health	139	3.9	0.2 - 7.6	43	6.8	0.0 - 16.2
Financial records processing occupations	20	3.4	0.0 - 10.1	4	0.0	- -
Mail and message distributing	34	3.1	0.0 - 9.2	16	9.3	0.0 - 26.5
Other sales	174	2.9	0.0 - 6.4	87	3.7	0.2 - 7.2
Supervisors and proprietors	169	2.3	0.0 - 5.0	79	2.2	0.0 - 5.5
Food service	161	2.2	0.0 - 5.1	133	5.0	0.0 - 10.7
Farm workers and other agricultural workers	153	1.9	0.0 - 4.4	81	8.3	1.4 - 15.2
Construction laborers	77	1.9	0.0 - 5.6	52	7.2	0.1 - 14.3
Teachers, librarians and counselors	193	1.8	0.0 - 4.0	30	16.6	1.4 - 33.1
Farm operators and managers	54	1.5	0.0 - 4.2	15	8.0	0.0 - 22.7
Managers and administrators, except public admin.	507	1.4	0.2 - 2.6	264	3.9	1.4 - 6.4
Engineers	172	1.4	0.0 - 3.4	3.4	3.2	0.0 - 9.3
Sales representatives, commodities and finance	186	1.4	0.0 - 3.0	73	2.9	0.0 - 6.6
Mechanics and repairers	252	1.3	0.0 - 2.9	188	5.0	1.7 - 8.3
Fabricators, assemblers, inspectors and samplers	103	1.2	0.0 - 2.8	77	4.9	0.0 - 10.4
Freight, stock and material handlers	200	1.1	0.0 - 2.5	137	5.2	0.9 - 9.5
Construction and extractive trades	322	0.8	0.0 - 1.6	319	4.5	2.0 - 7.0
Cleaning and building service	129	0.7	0.0 - 1.7	71	3.9	0.0 - 8.6
Precision production occupations	168	0.6	0.0 - 1.4	131	5.8	0.7 - 10.9
Machine operators and tenderers, except precision	193	0.6	0.0 - 1.4	165	3.1	0.4 - 5.8
Health diagnosing occupations	77	0.3	0.0 - 0.9	1	0.0	- -
Motor vehicle operators	226	0.2	0.0 - 0.6	173	4.2	1.1 - 7.3
Officials and administrators, public administration	23	0.0	- -	12	0.0	- -
Architects and surveyors	13	0.0	- -	6	0.0	- -
Natural mathematical and computer scientists	148	0.0	- -	50	5.9	0.0 - 13.5
Health assessment and treating occupations	38	0.0	- -	9	0.0	- -
Health technologists and technicians	34	0.0	- -	7	10.0	0.0 - 29.4
Computer equipment operators	15	0.0	- -	3	0.0	- -
Secretaries, stenographers and typists	4	0.0	- -	3	0.0	- -
Private household occupations	4	0.0	- -	1	0.0	- -
Police and firefighters	98	0.0	- -	26	6.6	0.0 - 18.9
Health service	16	0.0	- -	19	0.0	- -
Personal service	38	0.0	- -	14	0.0	- -
Forestry and fishing occupations	11	0.0	- -	6	0.0	- -
Other transportation, except motor vehicles	15	0.0	- -	11	18.3	0.0 - 40.1
Material moving equipment operators	56	0.0	- -	53	2.4	0.0 - 6.9
Military	2	0.0	- -	0	-	- -
TOTAL	5,057	1.7	1.3 - 2.1	2,712	4.6	3.6 - 5.6

- No estimates due to no chronic obstructive pulmonary disease cases or no respondents.

Nonsmokers - Those respondents who indicated that they never smoked or smoked less than 100 cigarettes in their lifetime.

NOTE: Industries were classified according to 1995 Standard Industrial Classification System and then regrouped by NCHS. See appendices for source description, methods, and ICD codes.

SOURCE: National Center for Health Statistics 2000 National Health Interview Survey.

Chronic Obstructive Pulmonary Disease: Morbidity

Table 10-8. Chronic obstructive pulmonary disease: Estimated prevalence by current occupation and smoking status, U.S. female residents age 18 and over, 2000

Occupation	Nonsmokers			Current Smokers		
	Number of Respondents	Prevalence (%)	95% Confidence Interval	Number of Respondents	Prevalence (%)	95% Confidence Interval
Supervisors and proprietors	143	10.0	2.9 - 17.1	72	10.7	1.9 - 19.5
Farm workers and other agricultural workers	43	9.1	0.0 - 20.1	16	10.9	0.0 - 30.7
Fabricators, assemblers, inspectors and samplers	114	7.2	0.5 - 13.9	40	8.4	0.0 - 17.8
Farm operators and managers	15	7.1	0.0 - 20.4	4	0.0	- -
Mail and message distributing	41	6.6	0.0 - 14.0	12	0.0	- -
Other professional specialty occupations	156	5.8	1.7 - 9.9	50	7.7	0.6 - 14.8
Financial records processing occupations	182	5.6	1.7 - 9.5	74	11.4	2.8 - 20.0
Other administrative support	876	5.5	3.5 - 7.5	352	12.1	8.6 - 15.6
Officials and administrators, public administration	33	5.4	0.0 - 13.0	13	13.3	0.0 - 31.1
Health service	241	5.2	1.9 - 8.5	135	9.6	2.9 - 16.3
Teachers, librarians and counselors	586	4.5	2.5 - 6.5	87	9.1	3.2 - 15.0
Sales representatives, commodities and finance	160	4.4	1.3 - 7.5	58	1.3	0.0 - 3.8
Secretaries, stenographers and typists	235	4.4	1.3 - 7.5	88	10.2	3.5 - 16.9
Other protective service occupations	29	4.2	0.0 - 10.1	18	15.7	0.0 - 33.9
Food service	238	4.0	0.5 - 7.5	191	12.6	6.9 - 18.3
Managers and administrators, except public admin.	478	3.8	1.8 - 5.8	199	7.3	3.6 - 11.0
Freight, stock and material handlers	110	3.6	0.0 - 7.7	57	14.9	4.1 - 25.7
Engineers	27	3.4	0.0 - 10.1	7	29.2	0.0 - 65.3
Cleaning and building service	160	3.4	0.0 - 7.5	96	12.8	5.2 - 20.4
Other sales	337	3.2	1.2 - 5.2	152	9.7	4.6 - 14.8
Natural mathematical and computer scientists	88	3.0	0.0 - 6.5	15	8.6	0.0 - 21.7
Motor vehicle operators	42	3.0	0.0 - 8.7	33	22.8	5.4 - 40.2
Machine operators and tenderers, except precision	177	2.7	0.2 - 5.2	72	4.7	0.0 - 10.6
Management related occupations	309	2.6	0.8 - 4.4	104	5.9	1.6 - 10.2
Personal service	252	2.6	0.6 - 4.6	82	11.1	2.7 - 19.5
Health technologists and technicians	131	2.3	0.0 - 5.0	64	12.9	3.9 - 21.9
Technologists, technicians except health	81	1.8	0.0 - 4.3	32	0.0	- -
Health assessment and treating occupations	286	1.6	0.0 - 3.2	67	5.5	0.0 - 11.2
Private household occupations	104	1.0	0.0 - 3.0	17	19.5	0.0 - 43.2
Writers, artists, entertainers and athletes	93	0.6	0.0 - 1.6	30	4.1	0.0 - 11.9
Architects and surveyors	4	0.0	- -	0	-	- -
Health diagnosing occupations	45	0.0	- -	4	0.0	- -
Computer equipment operators	14	0.0	- -	3	0.0	- -
Police and firefighters	22	0.0	- -	7	8.4	0.0 - 24.9
Forestry and fishing occupations	1	0.0	- -	1	0.0	- -
Mechanics and repairers	31	0.0	- -	12	17.1	0.0 - 39.6
Construction and extractive trades	10	0.0	- -	6	0.0	- -
Precision production occupations	72	0.0	- -	54	6.9	0.0 - 14.0
Other transportation, except motor vehicles	0	-	- -	0	-	- -
Material moving equipment operators	8	0.0	- -	3	0.0	- -
Construction laborers	3	0.0	- -	0	-	- -
Military	1	0.0	- -	0	-	- -
TOTAL	6,172	4.0	3.4 - 4.6	2,366	9.7	8.1 - 11.3

- No estimates due to no chronic obstructive pulmonary disease cases or no respondents.

Nonsmokers - Those respondents who indicated that they never smoked or smoked less than 100 cigarettes in their lifetime.

NOTE: Industries were classified according to 1995 Standard Industrial Classification System and then regrouped by NCHS. See appendices for source description, methods, and ICD codes.

SOURCE: National Center for Health Statistics 2000 National Health Interview Survey.