

Work-related asthma: Primary occupations associated with work-related asthma cases by state, 1993–2002 (page 1 of 3)

Occupation (COC)	California		Massachusetts		Michigan		New Jersey		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Managerial and professional specialty	417	22.3	164	32.9	157	10.4	46	17.8	784	19.0
Registered nurses (095)	93	5.0	74	14.8	44	2.9	11	4.2	222	5.4
Teachers, elementary school (156)	43	2.3	12	2.4	3	0.2	3	1.2	61	1.5
Managers and administrators, n.e.c. (022)	37	2.0	6	1.2	7	0.5	-	-	50	1.2
Teachers, secondary school (157)	16	0.9	14	2.8	6	0.4	3	1.2	39	0.9
Teachers, n.e.c. (159)	14	0.7	6	1.2	15	1.0	3	1.2	38	0.9
Social workers (174)	20	1.1	5	1.0	7	0.5	2	0.8	34	0.8
Management related occupations, n.e.c. (037)	21	1.1	7	1.4	3	0.2	1	0.4	32	0.8
Teachers, special education (158)	11	0.6	3	0.6	2	0.1	1	0.4	17	0.4
Computer systems analysts, scientists (064)	14	0.7	-	-	-	-	1	0.4	15	0.4
Respiratory therapists (098)	9	0.5	1	0.2	3	0.2	-	-	13	0.3
Accountants and auditors (023)	8	0.4	1	0.2	3	0.2	-	-	12	0.3
Administrators, officials, public administration (005)	8	0.4	-	-	2	0.1	1	0.4	11	0.3
Chemists, except biochemists (073)	2	0.1	3	0.6	2	0.1	4	1.5	11	0.3
Personnel, training, and labor relations specialists (027)	7	0.4	-	-	3	0.2	-	-	10	0.2
Physicians (084)	2	0.1	2	0.4	6	0.4	-	-	10	0.2
All others within this grouping	112	6.0	30	6.0	51	3.4	16	6.2	209	5.1
Technical, sales, and administrative support	552	29.6	107	21.4	137	9.1	44	17	840	20.3
General office clerks (379)	66	3.5	16	3.2	8	0.5	3	1.2	93	2.3
Health technologists and technicians, n.e.c. (208)	40	2.1	6	1.2	11	0.7	6	2.3	63	1.5
Secretaries (313)	37	2.0	11	2.2	9	0.6	3	1.2	60	1.5
Licensed practical nurses (207)	24	1.3	8	1.6	6	0.4	2	0.8	40	1.0
Administrative support, n.e.c. (389)	27	1.4	3	0.6	7	0.5	1	0.4	38	0.9
Investigators and adjusters, except insurance (376)	21	1.1	3	0.6	1	0.1	3	1.2	28	0.7
Cashiers (276)	18	1.0	4	0.8	1	0.1	-	-	23	0.6
Bookkeepers, accounting, and auditing clerks (337)	21	1.1	1	0.2	-	-	1	0.4	23	0.6
Receptionists (319)	19	1.0	-	-	2	0.1	1	0.4	22	0.5
Typists (315)	15	0.8	4	0.8	1	0.1	1	0.4	21	0.5
Clinical laboratory technologists and technicians (203)	8	0.4	8	1.6	2	0.1	2	0.8	20	0.5
Radiologic technicians (206)	10	0.5	4	0.8	3	0.2	1	0.4	18	0.4
Order clerks (327)	14	0.7	2	0.4	2	0.1	-	-	18	0.4
Traffic, shipping, receiving and clerks (364)	6	0.3	1	0.2	11	0.7	-	-	18	0.4
Teachers' aides (387)	12	0.6	2	0.4	2	0.1	1	0.4	17	0.4
Supervisors and proprietors, sales occupations (243)	13	0.7	1	0.2	2	0.1	-	-	16	0.4
Supervisors, general office (303)	10	0.5	3	0.6	3	0.2	-	-	16	0.4
Stock and inventory clerks (365)	9	0.5	1	0.2	5	0.3	1	0.4	16	0.4
Technicians, n.e.c. (235)	11	0.6	-	-	1	0.1	2	0.8	14	0.3
Chemical technicians (224)	5	0.3	2	0.4	4	0.3	2	0.8	13	0.3
Records clerks (336)	5	0.3	2	0.4	5	0.3	-	-	12	0.3
Electrical/electronic technician (213)	9	0.5	1	0.2	1	0.1	-	-	11	0.3
Science technicians, n.e.c. (225)	1	0.1	-	-	6	0.4	4	1.5	11	0.3
Telephone operators (348)	10	0.5	-	-	1	0.1	-	-	11	0.3
Dental hygienists (204)	1	0.1	3	0.6	5	0.3	1	0.4	10	0.2
Sales workers, other commodities (274)	8	0.4	-	-	2	0.1	-	-	10	0.2
Eligibility clerks, social welfare workers (377)	10	0.5	-	-	-	-	-	-	10	0.2
All others within this grouping	122	6.5	21	4.2	36	2.4	9	3.5	188	4.5

See footnotes at end of table.

Work-related asthma: Primary occupations associated with work-related asthma cases by state, 1993–2002 (page 2 of 3)

Occupation (COC)	California		Massachusetts		Michigan		New Jersey		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Service	292	15.6	62	12.4	147	9.8	26	10	527	12.8
Janitors and cleaners (453)	65	3.5	6	1.2	48	3.2	7	2.7	126	3.0
Firefighting occupations (417)	35	1.9	8	1.6	3	0.2	2	0.8	48	1.2
Nursing aides, orderlies, and attendants (447)	20	1.1	12	2.4	5	0.3	3	1.2	40	1.0
Health aides, except nursing (446)	9	0.5	1	0.2	23	1.5	3	1.2	36	0.9
Supervisors, cleaning and building service workers (448)	8	0.4	1	0.2	18	1.2	-	-	27	0.7
Correctional institution officers (424)	21	1.1	1	0.2	3	0.2	1	0.4	26	0.6
Maids and housemen (449)	11	0.6	5	1.0	7	0.5	3	1.2	26	0.6
Miscellaneous food preparation occupations (444)	16	0.9	2	0.4	7	0.5	-	-	25	0.6
Cooks (436)	11	0.6	2	0.4	7	0.5	2	0.8	22	0.5
Police and detectives, public service (418)	15	0.8	-	-	1	0.1	1	0.4	17	0.4
Hairdressers and cosmetologists (458)	6	0.3	7	1.4	3	0.2	-	-	16	0.4
Guards and police, except public service (426)	8	0.4	5	1.0	1	0.1	-	-	14	0.3
Dental assistants (445)	2	0.1	2	0.4	7	0.5	-	-	11	0.3
All others within this grouping	65	3.5	10	2.0	14	0.9	4	1.5	93	2.3
Farming, forestry, and fishing	59	3.2	6	1.2	9	0.6	2	0.8	76	1.8
Farm workers (479)	25	1.3	-	-	1	0.1	-	-	26	0.6
Groundskeepers and gardeners, except farm (486)	17	0.9	1	0.2	-	-	1	0.4	19	0.5
All others within this grouping	17	0.9	5	1.0	8	0.5	1	0.4	31	0.8
Precision production, craft and repair	152	8.1	65	13	224	14.9	39	15.1	480	11.6
Supervisors, production (628)	13	0.7	6	1.2	34	2.3	4	1.5	57	1.4
Millwrights (544)	1	0.1	1	0.2	39	2.6	-	-	41	1.0
Optical goods workers (677)	2	0.1	-	-	27	1.8	-	-	29	0.7
Electricians (575)	9	0.5	-	-	12	0.8	5	1.9	26	0.6
Plumbers, pipe fitters, and steamfitters (585)	5	0.3	2	0.4	13	0.9	2	0.8	22	0.5
Machinists (637)	4	0.2	4	0.8	10	0.7	2	0.8	20	0.5
Specified mechanics and repairers, n.e.c. (547)	4	0.2	-	-	13	0.9	2	0.8	19	0.5
Carpenters (567)	9	0.5	7	1.4	-	-	2	0.8	18	0.4
Painters, construction, maintenance (579)	11	0.6	-	-	4	0.3	1	0.4	16	0.4
Electrical and electronic equipment assemblers (683)	10	0.5	4	0.8	-	-	1	0.4	15	0.4
Industrial machinery repairers (518)	3	0.2	3	0.6	4	0.3	3	1.2	13	0.3
Construction trades, n.e.c. (599)	3	0.2	3	0.6	7	0.5	-	-	13	0.3
Bakers (687)	4	0.2	4	0.8	2	0.1	1	0.4	11	0.3
Bus, truck, stationary engine mechanics (507)	6	0.3	-	-	3	0.2	1	0.4	10	0.2
Not specified mechanics and repairers (549)	6	0.3	3	0.6	-	-	1	0.4	10	0.2
All others within this grouping	62	3.3	28	5.6	56	3.7	14	5.4	160	3.9

See footnotes at end of table.

Work-related asthma: Primary occupations associated with work-related asthma cases by state, 1993–2002 (page 3 of 3)

Occupation (COC)	California		Massachusetts		Michigan		New Jersey		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Operators, fabricators, and laborers	287	15.4	94	18.8	752	49.9	69	26.6	1,202	29.1
Assemblers (785)	16	0.9	6	1.2	182	12.1	1	0.4	205	5.0
Welders and cutters (783)	16	0.9	8	1.6	66	4.4	5	1.9	95	2.3
Laborers, except construction (889)	23	1.2	5	1.0	57	3.8	2	0.8	87	2.1
Miscellaneous machine operators, n.e.c. (777)	20	1.1	5	1.0	34	2.3	7	2.7	66	1.6
Miscellaneous metal, plastic, stone and glass working machine operators (715)	1	0.1	-	-	57	3.8	-	-	58	1.4
Production inspectors, checkers and examiners (796)	5	0.3	3	0.6	37	2.5	1	0.4	46	1.1
Painting and paint spray machine operators (759)	9	0.5	12	2.4	17	1.1	2	0.8	40	1.0
Bus drivers (808)	27	1.4	-	-	4	0.3	-	-	31	0.8
Hand painting, coating, and decorating occupations (789)	1	0.1	1	0.2	27	1.8	1	0.4	30	0.7
Truck drivers (804)	18	1.0	-	-	7	0.5	5	1.9	30	0.7
Machine feeders and offbearers (878)	1	0.1	-	-	28	1.9	-	-	29	0.7
Mixing and blending machine operators (756)	6	0.3	7	1.4	14	0.9	1	0.4	28	0.7
Freight, stock, and material handlers, n.e.c. (883)	14	0.7	3	0.6	10	0.7	-	-	27	0.7
Molding and casting machine operators (719)	3	0.2	1	0.2	22	1.5	-	-	26	0.6
Separating, filtering & clarifying machine operators (757)	7	0.4	3	0.6	5	0.3	10	3.9	25	0.6
Machine operators, not specified (779)	11	0.6	8	1.6	-	-	5	1.9	24	0.6
Pressing machine operators (747)	-	-	-	-	22	1.5	-	-	22	0.5
Construction laborers (869)	19	1.0	1	0.2	1	0.1	1	0.4	22	0.5
Packaging and filling machine operators (754)	7	0.4	2	0.4	4	0.3	8	3.1	21	0.5
Industrial truck and tractor equipment operators (856)	5	0.3	-	-	10	0.7	4	1.5	19	0.5
Grinding, abrading, buffing & polishing machine (709)	-	-	3	0.6	12	0.8	1	0.4	16	0.4
Textile sewing machine operators (744)	2	0.1	2	0.4	11	0.7	-	-	15	0.4
Hand packers and packagers (888)	3	0.2	2	0.4	9	0.6	1	0.4	15	0.4
Laundering and dry cleaning machine operators (748)	5	0.3	2	0.4	3	0.2	2	0.8	12	0.3
Metal plating machine operators (723)	1	0.1	2	0.4	7	0.5	1	0.4	11	0.3
Printing press operators (734)	3	0.2	2	0.4	4	0.3	1	0.4	10	0.2
Miscellaneous hand working occupations (795)	2	0.1	-	-	8	0.5	-	-	10	0.2
Operating engineers (844)	8	0.4	1	0.2	-	-	1	0.4	10	0.2
All others within this grouping	54	2.9	15	3.0	94	6.2	9	3.5	172	4.2
Military occupations	2	0.1	-	-	-	-	-	-	2	0.0
Unclassifiable and miscellaneous unemployed	107	5.7	1	0.2	80	5.3	33	12.7	221	5.3
TOTAL	1,868	100.0	499	100.0	1,506	100.0	259	100.0	4,132	100.0

- indicates no cases reported. n.e.c. - not elsewhere classified COC - Census Occupation Code

NOTE: Percentages are based on total number of cases by state, but may not sum to 100% due to rounding. See appendices for source description and methods.

SOURCE: Provisional Sentinel Event Notification Systems for Occupational Risks surveillance data as of September 2006, reported by R Harrison and J Flattery (California); L Davis, E Pechter, and M Sharma (Massachusetts); K Rosenman, MJ Reilly, and D Kalinowski (Michigan); and D Valiante, D Schill, and K McGreevy (New Jersey).