

**NORA manufacturing sector and asbestosis: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by industry and occupation, U.S. residents age 15 and over, selected states and years, 1990–1999 (page 1 of 2)**

Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
<b>CIC</b>	<b>Industry</b>				
262	Miscellaneous nonmetallic mineral and stone products	75	16.4	13.0	20.7
360	Ship and boat building and repairing	171	15.7	13.5	18.3
192	Industrial and miscellaneous chemicals	124	4.8	4.0	5.7
211	Other rubber products, and plastics footwear and belting	40	4.3	3.1	5.9
180	Plastics, synthetics, and resins	12	2.8	1.4	4.9
200	Petroleum refining	31	2.7	1.9	3.9
272	Primary aluminum industries	16	2.7	1.5	4.3
250	Glass and glass products	30	2.6	1.7	3.7
282	Fabricated structural metal products	28	2.3	1.5	3.3
210	Tires and inner tubes	15	2.2	1.3	3.7
270	Blast furnaces, steelworks, rolling and finishing mills	67	1.3	1.0	1.7
	All other industries within this sector	426			
	<b>TOTAL</b>	<b>1,035</b>			
<b>COC</b>	<b>Occupation</b>				
593	Insulation workers	25	93.7	60.5	138.2
643	Boilermakers	23	16.9	10.7	25.4
585	Plumbers, pipefitters, and steamfitters	69	13.3	10.5	17.0
563	Brickmasons and stonemasons	8	11.4	4.9	22.4
534	Heating, air conditioning, and refrigeration mechanics	6	10.9	4.0	23.8
646	Lay-out workers	7	9.1	3.7	18.8
676	Patternmakers, lay-out workers, and cutters	5	7.1	2.3	16.7
757	Separating, filtering, and clarifying machine operators	21	5.0	3.1	7.7
224	Chemical technicians	7	4.8	1.9	9.8
579	Painters, construction and maintenance	5	4.5	1.5	10.5
575	Electricians	38	4.5	3.2	6.2
653	Sheet metal workers	22	4.4	2.7	6.6
567	Carpenters	18	4.1	2.4	6.5
544	Millwrights	27	4.0	2.7	5.9

See footnotes at end of table.

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Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
COC	Occupation (continued)				
783	Welders and cutters	55	3.7	2.8	4.8
547	Specified mechanics and repairers, n.e.c.	15	3.4	1.9	5.7
549	Not specified mechanics and repairers	13	2.6	1.4	4.4
759	Painting and paint spraying machine operators	9	2.6	1.2	4.8
849	Crane and tower operators	12	2.4	1.2	4.1
518	Industrial machinery repairers	33	2.4	1.6	3.3
696	Stationary engineers	14	2.3	1.3	3.9
856	Industrial truck and tractor equipment operators	13	2.1	1.1	3.6
738	Winding and twisting machine operators	11	2.1	1.1	3.7
777	Miscellaneous machine operators, n.e.c.	34	1.5	1.1	2.2
779	Machine operators, not specified	41	1.5	1.0	2.0
	All other occupations within this sector	494			
	Occupation not reported within this sector	10			
	<b>TOTAL</b>	<b>1,035</b>			

NORA - National Occupational Research Agenda    CIC - Census Industry Code    COC - Census Occupation Code

n.e.c. - not elsewhere classified    LCL - lower confidence limit    UCL - upper confidence limit

\* The total number of asbestosis deaths was 2,859 in these same selected states and years, and the comparable number of asbestosis deaths in the entire United States for this same time period was 10,914.

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

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