

Pneumoconiotic agents: Percent of exposures exceeding designated occupational exposure limits by OSHA region and state, OSHA samples, 1979–2003 (page 1 of 3)

	1979–1988			1989–1992 OSHA PEL: see note			1993–2003					
	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > PEL	No. of Samples with REL	% > REL	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > REL		
Region 1	4,622	8.2	3,421	19.8	2,509	2.3	1,627	3.8	3,294	5.1	2,696	7.8
Connecticut	1,273	6.7	1,064	16.5	842	2.3	594	2.5	1,242	1.0	1,130	2.2
Maine	181	14.9	135	23.0	90	0.0	58	0.0	114	10.5	68	5.9
Massachusetts	1,876	8.0	1,281	21.6	1,259	2.3	754	4.2	1,398	7.2	1,066	12.3
New Hampshire	614	6.5	438	21.7	278	1.8	194	5.7	474	5.1	349	7.7
Rhode Island	677	11.5	502	19.9	38	10.5	26	15.4	65	29.2	83	28.9
Vermont	1	0.0	1	0.0	2	0.0	1	0.0	1	0.0	0	-
Region 2	4,496	10.2	3,620	21.2	2,378	3.7	1,669	8.5	4,551	7.4	3,212	11.6
New Jersey	1,560	12.5	1,218	25.0	867	5.2	577	12.5	1,260	4.9	839	5.7
New York	2,864	9.1	2,338	19.5	1,420	3.0	1,012	6.7	3,241	8.5	2,326	13.8
Puerto Rico	67	4.5	59	11.9	66	0.0	58	0.0	47	2.1	44	4.5
Virgin Islands	5	0.0	5	0.0	25	8.0	22	9.1	3	0.0	3	0.0
Region 3	6,498	12.2	4,588	29.5	1,748	15.5	1,068	23.3	2,475	10.5	1,699	17.8
Delaware	145	4.8	71	14.1	3	0.0	3	0.0	17	11.8	13	15.4
District of Columbia	127	0.8	121	9.9	20	10.0	14	0.0	22	9.1	12	0.0
Maryland	500	9.2	298	19.5	313	12.1	135	25.9	326	5.8	164	10.4
Pennsylvania	4,091	13.1	2,977	31.5	1,087	15.1	697	21.5	1,755	12.5	1,209	21.3
Virginia	805	13.2	613	32.8	160	31.9	114	44.7	238	4.2	236	8.5
West Virginia	830	11.9	508	27.0	165	9.7	105	12.4	117	6.0	65	9.2
Region 4	6,557	11.2	4,700	22.9	4,343	6.2	2,787	11.4	6,670	5.4	4,903	10.7
Alabama	1,070	15.0	743	28.5	662	9.7	442	24.2	806	3.2	531	5.6
Florida	628	4.6	411	10.7	510	2.0	340	2.4	430	4.4	388	6.4
Georgia	1,908	13.9	1,403	25.8	1,179	3.5	751	7.1	1,249	6.2	892	13.5
Kentucky	667	9.0	511	16.2	405	8.6	272	11.0	929	4.7	651	6.3
Mississippi	294	10.2	197	29.9	274	2.2	178	2.8	243	3.7	194	6.7
North Carolina	775	11.4	623	26.8	519	11.4	387	18.1	1,893	6.0	1,360	12.4
South Carolina	782	5.2	513	12.1	511	6.7	258	10.9	747	5.0	577	9.7
Tennessee	433	14.1	299	29.8	283	7.8	159	10.1	373	9.7	310	22.6

See footnotes at end of table.

Pneumoconiotic agents: Percent of exposures exceeding designated occupational exposure limits by OSHA region and state, OSHA samples, 1979–2003 (page 2 of 3)

OSHA Region	1979–1988			1989–1992 OSHA PELs changed. See note.			1993–2003					
	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > REL	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > REL	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > REL
Region 5	13,154	9.6	8,281	22.5	9,202	5.6	5,233	10.0	13,823	4.8	8,846	9.4
Illinois	3,268	7.4	2,067	15.8	2,264	4.7	1,195	6.6	4,726	3.3	3,275	5.8
Indiana	931	12.6	591	36.0	318	3.5	219	10.0	673	7.9	471	13.8
Michigan	274	0.4	183	1.1	1,291	5.0	801	5.9	2,829	2.5	1,524	7.9
Minnesota	144	22.9	107	43.9	124	0.8	85	4.7	47	4.3	42	4.8
Ohio	5,503	9.4	3,384	21.9	2,599	5.2	1,606	10.2	2,252	7.7	1,414	14.1
Wisconsin	3,034	11.9	1,949	27.3	2,606	7.6	1,327	15.4	3,296	6.3	2,120	12.0
Region 6	6,296	6.9	3,680	15.7	2,355	4.2	1,370	9.1	2,580	5.0	1,887	7.6
Arkansas	604	7.8	328	14.6	171	8.8	117	13.7	330	6.1	357	6.4
Louisiana	449	7.6	265	19.2	190	2.1	87	4.6	55	14.5	41	29.3
New Mexico	22	27.3	17	35.3	18	0.0	18	0.0	58	20.7	53	22.6
Oklahoma	1,698	3.5	877	9.9	447	2.2	245	3.3	440	6.1	345	11.0
Texas	3,523	8.1	2,193	17.6	1,529	4.6	903	10.7	1,697	3.7	1,091	5.3
Region 7	4,019	7.0	2,521	16.1	1,600	6.3	984	7.5	2,028	7.1	1,446	10.9
Iowa	1,553	7.1	873	16.6	569	7.0	329	10.3	484	12.8	265	25.7
Kansas	715	7.1	430	17.9	304	4.6	202	9.4	981	6.2	821	9.6
Missouri	1,247	7.8	921	16.5	590	5.3	359	5.0	246	6.9	186	3.2
Nebraska	504	4.6	297	11.1	137	10.9	94	3.2	317	1.6	174	2.3
Region 8	4,174	4.3	2,366	10.8	1,657	5.4	840	6.4	2,156	5.8	1,383	10.9
Colorado	2,406	4.4	1,296	11.0	1,066	3.1	600	4.5	1,003	5.0	629	11.9
Montana	704	3.0	458	11.4	250	13.6	109	9.2	248	7.7	149	11.4
North Dakota	455	4.8	236	12.3	71	4.2	29	3.4	231	13.9	135	26.7
South Dakota	491	2.4	277	4.7	200	8.5	51	13.7	457	4.4	294	6.5
Utah	88	21.6	72	25.0	54	3.7	44	20.5	120	3.3	74	5.4
Wyoming	30	0.0	27	3.7	16	0.0	7	0.0	97	0.0	102	0.0

See footnotes at end of table.

Pneumoconiotic agents: Percent of exposures exceeding designated occupational exposure limits by OSHA region and state, OSHA samples, 1979–2003 (page 3 of 3)

OSHA Region	1979–1988			1989–1992 OSHA PELs changed. See note.			1993–2003					
	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > REL	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > REL	No. of Samples with PEL	% > PEL	No. of Samples with REL	% > REL
Region 9	1,735	8.3	1,167	15.9	777	5.9	639	7.5	608	10.0	656	12.2
American Samoa	0	-	0	-	0	-	0	-	0	-	0	-
Arizona	160	9.4	124	18.5	103	1.9	68	4.4	102	18.6	73	31.5
California	1,319	4.0	834	9.4	510	3.7	442	4.8	443	7.9	519	9.6
Guam	7	0.0	6	0.0	0	-	0	-	0	-	0	-
Hawaii	49	0.0	46	2.2	10	0.0	10	0.0	30	13.3	25	16.0
Nevada	200	38.0	157	53.5	154	16.2	119	20.2	33	9.1	39	7.7
Region 10	895	8.2	628	17.8	644	9.9	381	9.2	1,404	11.6	1,075	22.0
Alaska	194	2.1	178	3.4	47	6.4	42	9.5	34	0.0	32	0.0
Idaho	225	4.0	145	11.0	308	2.6	182	4.9	196	0.0	116	0.0
Oregon	448	11.6	296	28.7	63	9.5	32	6.3	616	8.8	378	17.2
Washington	28	28.6	9	55.6	226	20.8	125	16.0	558	19.5	549	31.1
TOTAL	52,446	9.0	34,972	20.8	27,213	5.9	16,598	9.8	39,589	6.1	27,803	10.8

- indicates incalculable field. PEL - permissible exposure limit REL - recommended exposure limit OSHA - Occupational Safety and Health Administration
 NOTE: From March 1, 1989 to March 22, 1993, the OSHA PELs in force differed from those employed before and after those dates. See appendices for source description, methods, and agents.
 SOURCE: OSHA Integrated Management Information System.