

Table 6-19 (page 1 of 3). Pneumoconiotic agents: Percent of exposures exceeding designated occupational exposure limits by OSHA region and state, OSHA samples, 1979-1999

OSHA Region	1979 – 1988				1989 – 1992 OSHA PELs changed. See note.				1993 – 1999			
	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 1	4,523	8.6	3,332	20.6	2,460	2.3	1,526	3.4	2,917	3.3	3,822	3.7
Connecticut	1,159	7.2	987	17.7	785	2.4	542	2.8	1,037	0.5	1,191	0.9
Maine	186	16.1	135	23.7	94	0.0	62	0.0	90	12.2	57	1.8
Massachusetts	1,889	8.3	1,280	22.4	1,206	2.4	693	3.2	1,345	3.9	1,704	5.3
New Hampshire	637	6.3	459	20.7	342	1.5	209	5.3	394	3.6	488	4.1
Rhode Island	650	11.8	469	21.1	31	12.9	19	21.1	51	27.5	376	5.1
Vermont	2	0.0	2	0.0	2	0.0	1	0.0	0	-	6	0.0
Region 2	4,520	9.8	3,653	20.6	2,267	3.2	1,646	7.2	3,309	7.0	2,760	8.7
New Jersey	1,576	12.4	1,236	25.0	846	3.5	568	8.8	1,069	3.4	912	2.6
New York	2,872	8.5	2,353	18.5	1,330	3.1	998	6.6	2,194	8.8	1,763	12.3
Puerto Rico	67	4.5	59	11.9	66	0.0	58	0.0	43	0.0	82	0.0
U.S. Virgin Islands	5	0.0	5	0.0	25	8.0	22	9.1	3	0.0	3	0.0
Region 3	6,629	12.2	4,685	29.3	1,768	16.5	1,070	21.5	2,022	9.2	1,832	10.8
Delaware	136	5.1	65	15.4	0	-	0	-	11	18.2	7	28.6
District of Columbia	130	0.8	124	9.7	20	10.0	14	0.0	22	9.1	12	0.0
Maryland	514	8.9	297	19.5	319	12.2	131	26.7	224	7.1	104	13.5
Pennsylvania	4,164	13.0	3,040	31.3	1,044	17.0	663	19.6	1,422	11.3	1,257	14.1
Virginia	849	12.5	652	31.0	211	26.5	159	32.7	236	1.3	379	0.3
West Virginia	836	12.3	507	27.0	174	9.2	103	12.6	107	2.8	73	4.1
Region 4	6,433	12.0	4,586	24.3	4,276	5.8	2,752	10.0	5,666	4.2	7,937	4.3
Alabama	998	17.2	686	33.2	550	7.1	388	16.5	836	1.3	917	1.5
Florida	644	4.3	427	10.3	548	1.8	353	2.3	251	2.8	1,801	0.5
Georgia	1,878	14.2	1,387	26.2	1,182	3.4	755	6.6	946	6.7	1,393	6.7
Kentucky	733	8.2	519	16.0	414	8.2	274	10.9	938	3.9	478	6.9
Mississippi	287	10.5	193	30.1	272	2.2	182	2.7	264	2.3	614	1.5
North Carolina	783	11.9	621	26.9	525	11.4	403	17.6	1,494	3.9	1,574	5.5
South Carolina	653	8.6	441	16.8	482	5.4	229	7.9	636	4.4	914	4.5
Tennessee	457	14.9	312	30.8	303	11.6	168	16.7	301	8.3	246	21.5

See footnotes at end of table.

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Region 5	13,020	9.8	8,134	22.8	8,564	6.3	4,776	8.9	10,161	4.7	8,643	6.7
Illinois	3,263	7.6	2,043	15.9	2,230	7.2	1,110	5.6	3,888	2.9	3,407	3.7
Indiana	927	12.6	591	36.0	327	4.6	229	11.4	474	7.0	298	11.4
Michigan	214	0.5	158	2.5	1,341	5.1	798	6.0	1,855	3.6	1,106	9.5
Minnesota	116	32.8	98	52.0	114	3.5	76	5.3	24	25.0	24	25.0
Ohio	5,494	9.4	3,310	22.1	2,181	4.5	1,332	8.5	1,305	9.2	1,543	8.8
Wisconsin	3,006	11.9	1,934	27.2	2,371	8.3	1,231	14.1	2,615	5.5	2,265	7.7
Region 6	6,303	6.8	3,686	15.6	2,360	4.2	1,376	9.0	2,043	4.8	5,421	2.0
Arkansas	606	6.9	332	13.9	176	7.4	123	12.2	224	8.9	1,973	1.2
Louisiana	449	7.6	265	19.2	190	2.1	87	4.6	42	11.9	38	18.4
New Mexico	22	27.3	17	35.3	18	0.0	18	0.0	15	40.0	22	27.3
Oklahoma	1,698	3.5	877	9.8	447	2.2	245	3.3	296	3.4	1,361	1.2
Texas	3,528	8.1	2,195	17.6	1,529	4.6	903	10.7	1,466	4.0	2,027	2.6
Region 7	3,951	6.2	2,509	15.5	1,647	8.4	954	7.8	1,187	10.1	1,724	5.3
Iowa	1,585	6.8	880	16.5	609	6.4	322	10.9	416	11.8	242	23.1
Kansas	700	4.3	418	14.8	248	3.2	157	9.6	376	8.0	1,013	2.5
Missouri	1,200	7.4	920	16.4	619	12.3	345	6.1	122	30.3	297	3.0
Nebraska	466	4.3	291	11.0	171	8.8	130	2.3	273	1.5	172	1.2
Region 8	4,158	4.3	2,374	10.7	1,604	5.9	824	6.6	1,527	5.9	2,238	4.5
Colorado	2,385	4.4	1,285	11.1	1,078	3.1	600	4.5	756	4.2	718	6.0
Montana	709	3.0	471	11.0	261	12.6	117	8.5	205	7.3	209	6.2
North Dakota	455	4.8	236	12.3	71	4.2	29	3.4	164	15.2	177	16.4
South Dakota	484	2.9	278	5.0	126	18.3	25	28.0	203	8.4	522	3.1
Utah	95	16.8	77	22.1	58	3.4	48	18.8	22	4.5	267	0.0
Wyoming	30	0.0	27	3.7	10	0.0	5	0.0	177	0.0	345	0.0

See footnotes at end of table.

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Region 9	1,707	8.1	1,150	16.3	792	7.1	570	10.0	389	5.1	789	2.9
American Samoa	0	-	0	-	0	-	0	-	0	-	0	-
Arizona	165	10.3	123	20.3	136	1.5	62	4.8	31	6.5	22	9.1
California	1,306	4.1	837	10.3	492	5.9	385	7.8	307	3.9	714	2.1
Guam	3	0.0	3	0.0	0	-	0	-	0	-	0	-
Hawaii	47	0.0	44	2.3	8	0.0	8	0.0	22	13.6	18	16.7
Nevada	186	36.6	143	53.1	156	16.0	115	20.9	29	10.3	35	8.6
Region 10	876	8.0	627	17.9	664	10.1	409	8.3	930	9.0	786	16.7
Alaska	194	2.1	178	3.4	47	6.4	42	9.5	26	0.0	38	0.0
Idaho	215	4.2	141	11.3	308	2.6	182	4.9	167	0.0	109	0.0
Oregon	439	11.2	299	28.4	61	9.8	31	6.5	252	5.2	142	11.3
Washington	28	28.6	9	55.6	248	20.2	154	12.3	485	14.6	497	23.1
TOTAL	52,120	9.1	34,736	21.0	26,402	6.3	15,903	9.1	30,151	5.4	35,952	5.4

– indicates incalculable field

PEL - permissible exposure limit REL - recommended exposure limit

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: Occupational Safety and Health Administration (OSHA) Integrated Management Information System.