

Table 8

Estimated Asbestos Related Cancer Mortality per 100,000
by Number of Years Exposed and Exposure Level.¹

Asbestos fiber concentration (f/ml)	Cancer mortality /100,000 exposed			Total
	Lung	Mesothelioma	Gastrointestinal ²	
1 year exposure				
0.1	7.2	6.9	0.7	14.8
0.2	14.4	13.8	1.4	29.6
0.5	36.1	34.6	3.6	74.3
2.0	144	138	14.4	296.4
4.0	288	275	28.8	591.8
5.0	360	344	36.0	740.0
10.0	715	684	71.5	1470.5
20 year exposure				
0.1	139	73	13.9	225.9
0.2	278	146	27.8	451.8
0.5	692	362	69.2	1123.2
2.0	2713	1408	271.3	4392.3
4.0	5278	2706	527.8	8511.8
5.0	6509	3317	650.9	10476.9
10.0	12177	6024	1217.7	13996.7
45 years exposure				
0.1	231	82	23.1	336.1
0.2	460	164	46.0	670.0
0.5	1143	407	114.3	1664.3
2.0	4416	1554	441.6	6411.6
4.0	8441	2924	844.1	12209.1
5.0	10318	3547	1031.8	14896.8
10.0	18515	6141	1851.5	26507.5

¹ Assumes exposure begins at age 25. Risks are calculated using U.S. male lung cancer background rates for 1977.

² Estimated as 10% of lung cancer risk rather than calculated using dose-response information.

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