

Table S1. Descriptive data for fiber-size specific indicators of cumulative exposure lagged 10 years (n=3803).

Indicator*	Minimum	25 %-tile	50 %-tile	75 %-tile	Maximum
PCM fibers	0.0	1.3	6.8	40.5	2943.2
All TEM fibers	0.0	12.9	85.9	590.9	41387.7
D<0.25 L≤1.5	0.0	6.8	47.8	307.2	26910.3
D<0.25 L>1.5-5	0.0	2.9	19.9	140.4	7975.4
D<0.25 L>5-10	0.0	0.5	3.4	25.7	1853.3
D<0.25 L>10-20	0.0	0.3	1.8	12.2	673.3
D<0.25 L>20-40	0.0	0.1	0.7	4.7	321.5
D<0.25 L>40	0.0	0.0	0.3	1.8	167.2
D >0.25-1 L≤1.5	0.0	0.2	1.3	9.0	626.1
D>0.25-1 L>1.5-5	0.0	0.6	3.6	27.6	2197.5
D>0.25-1 L>5-10	0.0	0.2	1.6	11.3	1057.5
D>0.25-1 L>10-20	0.0	0.2	1.0	7.2	581.4
D>0.25-1 L>20-40	0.0	0.1	0.5	3.6	335.4
D>0.25-1 L>40	0.0	0.0	0.3	2.3	182.7
D>1-3 L>1.5-5	0.0	0.0	0.1	1.7	270.2
D>1-3 L>5-10	0.0	0.0	0.3	2.2	418.9
D>1-3 L>10-20	0.0	0.1	0.4	2.8	434.1
D>1-3 L>20-40	0.0	0.0	0.1	0.9	147.4
D>1-3 L>40	0.0	0.0	0.1	0.7	110.7
D>3 L≤5-10	0.0	0.0	0.0	0.0	35.6
D>3 L>10-20	0.0	0.0	0.0	0.3	81.3

D>3 L>20-40	0.0	0.0	0.1	0.8	129.2
D>3 L>40	0.0	0.0	0.0	0.3	60.4
All fibers L≤5	0.0	10.9	74.2	496.3	36408.9
All fibers L>5	0.0	1.8	11.4	81.2	5937.5
D≤0.25 L>10	0.0	0.4	2.8	19.2	1161.9
Berman Index	0.0	0.0	0.3	1.8	155.6
Modified Lippmann Index	0.0	0.3	2.0	13.5	1099.5
Mean length-years (μmy)	0.0	0.3	1.6	9.9	197.4
Mean diameter-years (μmy)	0.0	0.0	0.1	0.5	11.9

\*D, diameter; L, length; units are f-y/ml unless otherwise indicated