

Supplementary Table 3. % Excess relative risks (95% credible intervals) for a 10 µg/m³ increase in black smoke concentrations, respiratory mortality, 0-4 year exposure window, adjusted for urban-rural status.

Carstairs decile	Mortality period 1 ^a			Mortality period 2 ^a			Mortality period 3 ^a			Mortality period 4 ^a		
	No. of wards	Excess relative risk (%)	(95% CI)	No. of wards	Excess relative risk (%)	(95% CI)	No. of wards	Excess relative risk (%)	(95% CI)	No. of wards	Excess relative risk (%)	(95% CI)
1	42	26.7	(1.1, 58.6)	18	7.1	(-36.2, 79.9)	13	-2.3	(-16.2, 13.9)	7	1.5	(-20.8, 30.2)
2	39	3.4	(-32.4, 58.3)	14	1.0	(-53.8, 120.9)	10	5.6	(-30.1, 59.4)	6	10.3	(-41.4, 107.4)
3	38	-5.8	(-36.3, 39.2)	16	-4.8	(-55.9, 105.3)	15	2.6	(-24.2, 39.0)	9	3.5	(-39.9, 78.2)
4	40	4.6	(-30.4, 57.2)	17	-15.7	(-63.7, 96.0)	16	1.3	(-33.2, 53.7)	14	-4.0	(-63.8, 154.6)
5	43	5.8	(-25.2, 49.7)	20	-3.8	(-56.0, 110.4)	16	5.4	(-25.5, 49.0)	9	24.4	(-30.4, 122.3)
6	37	7.4	(-24.4, 52.7)	20	2.3	(-51.8, 117.1)	23	3.3	(-20.3, 33.9)	14	17.1	(-27.2, 88.2)
7	32	-1.4	(-29.5, 37.8)	23	4.0	(-50.9, 120.6)	31	10.9	(-12.6, 40.9)	23	35.9	(-11.0, 107.5)
8	43	10.3	(-21.1, 54.1)	27	2.6	(-51.0, 114.8)	19	2.5	(-19.0, 29.7)	11	15.3	(-35.8, 107.1)
9	36	-1.1	(-29.2, 38.3)	20	-2.2	(-53.9, 107.2)	21	0.0	(-22.9, 29.8)	13	10.1	(-32.9, 80.5)
10	43	3.9	(-28.1, 50.1)	31	-15.8	(-62.2, 87.5)	21	-2.7	(-38.0, 52.6)	12	3.1	(-51.8, 120.7)
	N=393		P=0.60^b	N=206		P=0.97^b	N=185		P=0.97^b	N=118		P=0.93^b

^a Mortality period 1; 1982-86, period 2; 1986-90, period 3; 1990-94, period 4; 1994-98.

^b P-values correspond to test for interaction using likelihood based GLM.