

Supplementary Table 1. Percentage increases in risk (IR%) and 95% confidence intervals (CI) associated with IQR increase in 24-hour mean concentrations of NO<sub>2</sub>, O<sub>3</sub>, PM<sub>10</sub>, H<sub>2</sub>S, and SO<sub>2</sub> by all natural cause death (ICD-10 codes A-R) from unique single-pollutant analyses separately for each lag in the Reykjavik area.

Lag/Strata	NO <sub>2</sub> (IQR 16.7 µg/m <sup>3</sup> )		O <sub>3</sub> (IQR 19.5 µg/m <sup>3</sup> )		PM <sub>10</sub> (IQR 13.4 µg/m <sup>3</sup> )		H <sub>2</sub> S (IQR 2.6 µg/m <sup>3</sup> )		SO <sub>2</sub> (IQR 1.9 µg/m <sup>3</sup> )	
	IR%	95% CI	IR%	95% CI	IR%	95% CI	IR%	95% CI	IR%	95% CI
Un-stratified										
0	-3.45	-6.90 to 0.14	3.57	-1.14 to 8.50	0.24	-1.52 to 2.04	0.45	-0.86 to 1.78	-3.24	-7.37 to 1.09
1	-2.41	-5.90 to 1.22	1.46	-3.09 to 6.23	-1.38	-3.17 to 0.45	0.71	-0.62 to 2.06	-3.90	-8.00 to 0.39
2	-1.82	-5.31 to 1.80	2.24	-2.33 to 7.02	0.21	-1.57 to 2.03	-0.96	-2.35 to 0.44	-3.55	-7.65 to 0.74
3	-0.19	-3.78 to 3.54	-3.28	-7.66 to 1.30	0.34	-1.49 to 2.21	-1.29	-2.68 to 0.13	-0.62	-4.85 to 3.81
4	-0.51	-4.12 to 3.23	-1.05	-5.49 to 3.59	1.02	-0.78 to 2.86	-0.47	-1.96 to 1.04	1.75	-2.67 to 6.38
Summer <sup>a</sup>										
0	-3.41	-10.83 to 4.63	-0.47	-8.82 to 8.65	1.48	-2.40 to 5.51	3.39	-0.30 to 7.22	0.34	-6.37 to 7.53
1	-5.75	-13.05 to 2.17	4.97	-3.78 to 14.52	-0.27	-4.17 to 3.78	4.26	-0.05 to 8.76	-3.73	-10.09 to 3.07
2	-1.67	-9.19 to 6.47	-1.05	-9.22 to 7.86	-1.01	-4.97 to 3.11	4.77	0.21 to 9.53	-3.07	-9.52 to 3.84
3	-3.46	-10.90 to 4.59	-7.30	-15.00 to 1.09	-0.14	-3.95 to 3.82	3.04	-2.00 to 8.34	-1.59	-8.09 to 5.37
4	-6.16	-13.44 to 1.73	0.04	-8.22 to 9.05	-1.03	-4.86 to 2.95	-0.37	-5.32 to 4.83	-3.94	-10.26 to 2.82
Winter <sup>b</sup>										
0	-3.45	-7.33 to 0.58	5.20	-0.43 to 11.14	-0.08	-2.06 to 1.94	0.04	-1.38 to 1.48	-5.53	-10.73 to -0.03
1	-1.53	-5.47 to 2.58	0.14	-5.13 to 5.70	-1.67	-3.68 to 0.39	0.34	-1.08 to 1.77	-4.01	-9.30 to 1.59
2	-1.86	-5.77 to 2.21	3.56	-1.88 to 9.30	0.51	-1.48 to 2.54	-1.56	-3.04 to -0.05	-3.86	-9.10 to 1.69
3	0.70	-3.36 to 4.94	-1.62	-6.88 to 3.93	0.48	-1.60 to 2.60	-1.65	-3.12 to -0.15	0.05	-5.44 to 5.87
4	1.04	-3.06 to 5.32	-1.48	-6.68 to 4.00	1.58	-0.45 to 3.65	-0.48	-2.03 to 1.10	6.25	0.23 to 12.64
Males										
0	-4.54	-9.50 to 0.70	3.63	-3.14 to 10.86	-1.06	-3.59 to 1.55	1.92	-0.01 to 3.89	-0.20	-6.36 to 6.38
1	-5.12	-10.04 to 0.06	2.68	-3.88 to 9.69	-2.65	-5.28 to 0.06	0.78	-1.17 to 2.78	-3.92	-9.78 to 2.33
2	-2.09	-7.06 to 3.15	1.32	-5.16 to 8.24	-1.30	-3.91 to 1.38	-1.23	-3.25 to 0.83	-1.48	-7.44 to 4.87
3	-0.26	-5.43 to 5.19	-2.16	-8.52 to 4.63	0.10	-2.56 to 2.83	-1.40	-3.44 to 0.68	0.61	-5.51 to 7.13
4	0.15	-5.07 to 5.65	-0.05	-6.50 to 6.86	0.14	-2.43 to 2.77	-0.15	-2.32 to 2.07	-0.59	-6.83 to 6.07

Females										
0	-2.48	-7.22 to 2.51	3.51	-2.93 to 10.39	1.44	-1.00 to 3.95	-0.78	-2.61 to 1.08	-5.82	-11.31 to 0.01
1	0.12	-4.79 to 5.28	0.33	-5.88 to 6.96	-0.30	-2.72 to 2.19	0.65	-1.17 to 2.49	-3.87	-9.52 to 2.12
2	-1.57	-6.40 to 3.50	3.09	-3.23 to 9.83	1.52	-0.91 to 4.01	-0.72	-2.61 to 1.20	-5.44	-11.00 to 0.47
3	-0.12	-5.04 to 5.07	-4.29	-10.23 to 2.04	0.56	-1.95 to 3.13	-1.18	-3.09 to 0.77	-1.74	-7.50 to 4.39
4	-1.11	-6.03 to 4.07	-1.95	-7.94 to 4.44	1.87	-0.65 to 4.45	-0.75	-2.78 to 1.33	3.90	-2.25 to 10.43
80 years and older										
0	-4.00	-8.64 to 0.87	-3.94	-8.56 to 0.90	-1.44	-3.86 to 1.05	1.22	-0.49 to 2.97	-4.07	-9.70 to 1.90
1	-1.01	-5.78 to 4.00	-1.06	-5.80 to 3.92	-2.63	-5.09 to -0.10	1.78	0.10 to 3.49	-3.73	-9.33 to 2.20
2	-0.50	-5.24 to 4.48	-0.49	-5.20 to 4.46	0.84	-1.55 to 3.28	0.10	-1.58 to 1.81	-4.57	-10.12 to 1.31
3	-0.42	-5.25 to 4.65	-0.39	-5.19 to 4.65	0.68	-1.86 to 3.29	-0.97	-2.71 to 0.81	-0.65	-6.41 to 5.47
4	-4.43	-9.11 to 0.49	-4.39	-9.04 to 0.51	0.79	-1.70 to 3.34	0.37	-1.59 to 2.38	-0.62	-6.51 to 5.63
Younger than 80 years old										
0	-2.78	-7.87 to 2.58	2.34	-4.50 to 9.67	2.12	-0.44 to 4.75	-0.59	-2.64 to 1.49	-2.31	-8.30 to 4.08
1	-4.05	-9.11 to 1.30	1.93	-4.77 to 9.10	0.00	-2.58 to 2.64	-1.02	-3.20 to 1.21	-4.08	-10.00 to 2.23
2	-3.41	-8.48 to 1.95	3.11	-3.74 to 10.44	-0.58	-3.24 to 2.16	-2.97	-5.38 to -0.51	-2.38	-8.36 to 4.00
3	0.10	-5.19 to 5.69	-3.56	-9.99 to 3.32	-0.02	-2.64 to 2.67	-1.84	-4.15 to 0.53	-0.58	-6.71 to 5.94
4	4.40	-1.14 to 10.25	-5.16	-11.47 to 1.60	1.28	-1.32 to 3.94	-1.56	-3.85 to 0.78	4.53	-2.03 to 11.52

Abbreviations: H<sub>2</sub>S: hydrogen sulphide; NO<sub>2</sub>: nitrogen dioxide; O<sub>3</sub>: ozone; PM<sub>10</sub>: particulate matter ≤10 µm in aerodynamic diameter; SO<sub>2</sub>: sulphur dioxide. <sup>a</sup> Summer months of 1 May to 31 October. <sup>b</sup> Winter months of 1 November to 30 April.

Supplementary Table 2. Percentage increases in risk (IR%) and 95% confidence intervals (CI) associated with IQR increase in 24-hour mean concentrations of NO<sub>2</sub>, O<sub>3</sub>, PM<sub>10</sub>, H<sub>2</sub>S, and SO<sub>2</sub> by cardiovascular death (ICD-10 codes I00-I99) from unique multivariate analyses separately for each lag in the Reykjavik area, adjusted for each pollutant, temperature, and relative humidity.

Lag/Strata	NO <sub>2</sub> (IQR 16.7 µg/m <sup>3</sup> )		O <sub>3</sub> (IQR 19.5 µg/m <sup>3</sup> )		PM <sub>10</sub> (IQR 13.4 µg/m <sup>3</sup> )		H <sub>2</sub> S (IQR 2.6 µg/m <sup>3</sup> )		SO <sub>2</sub> (IQR 1.9 µg/m <sup>3</sup> )	
	IR%	95% CI	IR%	95% CI	IR%	95% CI	IR%	95% CI	IR%	95% CI
Un-stratified										
0	-1.34	-10.87 to 9.21	4.32	-7.24 to 17.31	0.82	-2.19 to 3.93	0.54	-1.76 to 2.91	2.76	-5.94 to 12.25
1	-3.19	-12.61 to 7.24	-0.31	-11.54 to 12.34	-2.27	-5.42 to 0.98	1.02	-1.46 to 3.56	0.82	-7.60 to 10.00
2	1.42	-8.39 to 12.28	-0.07	-11.19 to 12.43	2.13	-0.93 to 5.30	-0.36	-2.82 to 2.15	-3.38	-11.62 to 5.64
3	-2.88	-12.24 to 7.48	-2.75	-13.65 to 9.53	0.89	-2.21 to 4.08	-0.90	-3.24 to 1.50	1.61	-6.92 to 10.94
4	-6.63	-15.83 to 3.58	-2.52	-13.44 to 9.77	0.57	-2.59 to 3.83	-0.99	-3.53 to 1.61	5.16	-3.91 to 15.07
Summer <sup>a</sup>										
0	-12.46	-26.53 to 4.29	4.01	-12.37 to 23.45	4.82	-1.45 to 11.49	2.76	-2.76 to 8.61	8.17	-5.52 to 23.84
1	-8.78	-23.15 to 8.27	0.19	-15.73 to 19.11	2.24	-4.25 to 9.17	2.83	-4.00 to 10.13	-0.90	-12.76 to 12.58
2	1.72	-14.36 to 20.81	0.28	-15.48 to 18.97	3.46	-2.90 to 10.24	3.35	-3.46 to 10.65	-4.49	-16.56 to 9.32
3	-5.07	-20.00 to 12.65	-5.81	-20.57 to 11.69	2.01	-4.31 to 8.75	5.78	-2.75 to 15.05	-5.06	-16.77 to 8.30
4	-11.19	-25.35 to 5.66	-0.74	-16.18 to 17.54	-5.07	-11.32 to 1.62	-0.02	-8.24 to 8.93	4.28	-8.57 to 18.94
Winter <sup>b</sup>										
0	2.58	-10.10 to 17.06	3.22	-12.77 to 22.13	-0.82	-4.34 to 2.83	0.14	-2.42 to 2.76	0.82	-10.54 to 13.62
1	-1.84	-14.20 to 12.3	-1.80	-17.37 to 16.71	-4.00	-7.70 to -0.15	0.67	-2.00 to 3.42	3.85	-8.09 to 17.34
2	1.20	-11.45 to 15.67	-1.08	-16.55 to 17.27	1.67	-1.88 to 5.36	-0.84	-3.51 to 1.91	-2.14	-13.33 to 10.48
3	-0.83	-13.19 to 13.29	2.55	-13.71 to 21.88	0.68	-2.93 to 4.42	-1.53	-4.02 to 1.02	8.21	-4.07 to 22.05
4	-3.92	-16.30 to 10.30	0.82	-15.38 to 20.11	2.98	-0.73 to 6.83	-1.14	-3.83 to 1.63	7.17	-5.70 to 21.81
Males										
0	-10.01	-21.97 to 3.79	-0.54	-15.65 to 17.28	1.60	-2.50 to 5.87	0.67	-2.5 to 3.94	12.42	-0.50 to 27.03
1	-7.01	-19.11 to 6.90	-4.81	-19.4 to 12.43	-0.20	-4.56 to 4.36	2.08	-1.52 to 5.82	6.02	-6.01 to 19.58
2	-2.01	-14.83 to 12.74	-6.64	-20.78 to 10.02	2.98	-1.25 to 7.39	-0.15	-3.62 to 3.45	3.78	-8.14 to 17.26
3	-6.54	-18.81 to 7.59	-6.77	-21.04 to 10.07	2.88	-1.63 to 7.60	-0.76	-4.06 to 2.66	5.52	-6.52 to 19.11
4	-8.26	-20.72 to 6.17	-9.24	-23.38 to 7.52	0.89	-3.54 to 5.52	-0.06	-3.50 to 3.51	-3.24	-14.57 to 9.61

Females										
0	8.66	-6.01 to 25.62	9.62	-7.29 to 29.62	-0.12	-4.51 to 4.46	0.46	-2.88 to 3.91	-6.59	-17.84 to 6.19
1	1.76	-12.52 to 18.37	5.64	-11.08 to 25.52	-4.57	-9.07 to 0.14	0.13	-3.31 to 3.68	-4.89	-16.20 to 7.96
2	4.80	-9.65 to 21.55	7.34	-9.42 to 27.20	1.21	-3.20 to 5.82	-0.48	-3.94 to 3.10	-10.64	-21.63 to 1.89
3	1.28	-12.51 to 17.25	1.77	-14.19 to 20.70	-1.04	-5.28 to 3.40	-1.08	-4.36 to 2.32	-2.62	-14.28 to 10.62
4	-5.17	-18.22 to 9.96	4.79	-11.32 to 23.82	0.13	-4.32 to 4.79	-2.11	-5.84 to 1.77	15.60	1.45 to 31.74
80 years and older										
0	3.63	-8.65 to 17.55	4.26	-10.09 to 20.90	-2.63	-6.44 to 1.35	0.81	-2.06 to 3.77	-7.16	-17.06 to 3.92
1	4.22	-8.28 to 18.42	0.08	-13.93 to 16.36	-4.50	-8.42 to -0.41	0.95	-1.98 to 3.96	-10.56	-19.95 to -0.07
2	5.05	-7.34 to 19.11	-3.48	-16.58 to 11.67	0.98	-2.76 to 4.86	-0.12	-2.91 to 2.75	-10.57	-20.13 to 0.12
3	-0.12	-11.98 to 13.35	0.11	-13.65 to 16.08	-0.12	-3.96 to 3.87	-0.92	-3.61 to 1.84	2.04	-8.63 to 13.95
4	-10.32	-21.25 to 2.12	-4.99	-18.11 to 10.22	0.74	-3.45 to 5.11	-0.19	-3.26 to 2.98	5.84	-5.57 to 18.64
Younger than 80 years old										
0	-11.26	-25.30 to 5.41	3.18	-14.95 to 25.17	6.45	1.50 to 11.65	-0.03	-3.87 to 3.96	22.02	5.59 to 41.00
1	-16.44	-29.66 to -0.75	-1.44	-19.06 to 20.01	1.91	-3.35 to 7.46	1.39	-3.26 to 6.26	24.27	7.54 to 43.60
2	-4.96	-20.12 to 13.08	6.40	-12.99 to 30.10	4.71	-0.64 to 10.35	-1.33	-6.33 to 3.95	10.31	-4.77 to 27.78
3	-7.30	-21.81 to 9.91	-7.71	-24.46 to 12.75	2.81	-2.40 to 8.30	-1.11	-5.81 to 3.82	0.76	-12.87 to 16.52
4	0.37	-15.60 to 19.36	2.39	-16.03 to 24.85	0.19	-4.55 to 5.18	-2.74	-7.29 to 2.03	3.62	-10.57 to 20.07

Abbreviations: H<sub>2</sub>S: hydrogen sulphide; NO<sub>2</sub>: nitrogen dioxide; O<sub>3</sub>: ozone; PM<sub>10</sub>: particulate matter ≤10 µm in aerodynamic diameter; SO<sub>2</sub>: sulphur dioxide. <sup>a</sup> Summer months of 1 May to 31 October. <sup>b</sup> Winter months of 1 November to 30 April.

Supplementary Table 3. Percentage increases in risk (IR%) and 95% confidence intervals (CI) associated with IQR increase in 24-hour mean concentrations of NO<sub>2</sub>, O<sub>3</sub>, PM<sub>10</sub>, H<sub>2</sub>S, and SO<sub>2</sub> by cardiovascular death (ICD-10 codes I00-I99) from unique single-pollutant analyses separately for each lag in the Reykjavik area.

Lag/Strata	NO <sub>2</sub> (IQR 16.7 µg/m <sup>3</sup> )		O <sub>3</sub> (IQR 19.5 µg/m <sup>3</sup> )		PM <sub>10</sub> (IQR 13.4 µg/m <sup>3</sup> )		H <sub>2</sub> S (IQR 2.6 µg/m <sup>3</sup> )		SO <sub>2</sub> (IQR 1.9 µg/m <sup>3</sup> )	
	IR%	95% CI	IR%	95% CI	IR%	95% CI	IR%	95% CI	IR%	95% CI
Un-stratified										
0	-2.22	-7.76 to 3.65	3.87	-3.57 to 11.89	0.67	-2.09 to 3.51	0.23	-1.96 to 2.47	0.18	-6.60 to 7.46
1	-2.59	-8.12 to 3.28	2.13	-5.19 to 10.02	-1.77	-4.69 to 1.24	0.85	-1.52 to 3.28	-1.39	-8.04 to 5.75
2	0.86	-4.74 to 6.79	-0.36	-7.30 to 7.11	2.13	-0.73 to 5.08	-0.29	-2.62 to 2.09	-1.73	-8.37 to 5.39
3	-0.10	-5.77 to 5.91	-0.79	-7.89 to 6.87	1.11	-1.77 to 4.07	-0.73	-2.98 to 1.58	0.78	-5.95 to 8.01
4	-3.42	-8.97 to 2.46	2.91	-4.33 to 10.7	1.60	-1.36 to 4.64	-1.10	-3.53 to 1.39	0.91	-6.10 to 8.46
Summer <sup>a</sup>										
0	-7.24	-18.14 to 5.10	8.99	-5.17 to 25.27	4.67	-1.31 to 11.01	1.97	-3.31 to 7.53	1.60	-9.08 to 13.52
1	-7.78	-18.62 to 4.51	5.89	-7.83 to 21.66	2.29	-3.95 to 8.94	2.26	-4.39 to 9.37	-4.18	-14.00 to 6.77
2	0.98	-10.87 to 14.4	0.82	-12.07 to 15.58	3.03	-3.04 to 9.48	3.16	-3.5 to 10.28	-3.20	-13.45 to 8.26
3	-3.64	-15.05 to 9.31	-1.15	-13.85 to 13.41	1.65	-4.38 to 8.07	5.64	-2.76 to 14.77	-5.02	-14.93 to 6.05
4	-8.39	-19.15 to 3.81	3.90	-9.16 to 18.84	-3.15	-9.23 to 3.34	0.92	-7.19 to 9.74	-1.01	-11.26 to 10.42
Winter <sup>a</sup>										
0	-0.77	-7.09 to 5.97	1.90	-6.67 to 11.26	-0.42	-3.55 to 2.8	-0.12	-2.53 to 2.35	-0.74	-9.34 to 8.67
1	-1.08	-7.39 to 5.67	0.66	-7.83 to 9.92	-2.91	-6.22 to 0.52	0.66	-1.88 to 3.26	0.67	-8.12 to 10.31
2	0.83	-5.44 to 7.53	-0.81	-8.90 to 8.01	1.89	-1.34 to 5.22	-0.76	-3.27 to 1.82	-0.78	-9.26 to 8.51
3	0.89	-5.53 to 7.76	-0.63	-9.04 to 8.54	0.96	-2.30 to 4.32	-1.22	-3.60 to 1.21	4.77	-4.08 to 14.44
4	-1.93	-8.29 to 4.86	2.50	-6.02 to 11.80	2.94	-0.40 to 6.39	-1.29	-3.84 to 1.33	2.43	-6.92 to 12.72
Males										
0	-3.42	-10.92 to 4.71	2.96	-7.11 to 14.12	1.73	-2.03 to 5.64	0.45	-2.57 to 3.57	5.57	-4.14 to 16.26
1	-0.26	-7.95 to 8.07	-2.35	-11.93 to 8.27	0.35	-3.69 to 4.55	2.22	-1.23 to 5.79	4.53	-5.06 to 15.09
2	5.25	-2.65 to 13.78	-7.32	-16.15 to 2.44	2.67	-1.29 to 6.79	0.54	-2.75 to 3.96	6.61	-3.12 to 17.32
3	0.01	-7.80 to 8.48	-2.67	-12.23 to 7.93	2.37	-1.84 to 6.76	-0.62	-3.80 to 2.67	4.47	-5.06 to 14.95
4	-5.52	-12.98 to 2.59	2.68	-7.35 to 13.79	1.02	-3.11 to 5.33	-0.61	-3.91 to 2.81	-4.81	-13.90 to 5.24

Females										
0	-0.90	-8.90 to 7.81	4.88	-5.81 to 16.79	-0.55	-4.56 to 3.64	-0.01	-3.17 to 3.24	-5.41	-14.60 to 4.76
1	-5.14	-12.92 to 3.33	7.19	-3.72 to 19.34	-4.01	-8.17 to 0.33	-0.34	-3.62 to 3.05	-7.47	-16.44 to 2.46
2	-3.91	-11.65 to 4.52	7.78	-2.92 to 19.67	1.56	-2.52 to 5.81	-1.08	-4.35 to 2.31	-10.23	-19.00 to -0.49
3	-0.21	-8.26 to 8.54	1.27	-9.00 to 12.69	0.03	-3.89 to 4.10	-0.84	-4.00 to 2.42	-3.05	-12.31 to 7.18
4	-1.11	-9.18 to 7.68	3.16	-6.99 to 14.41	2.18	-1.99 to 6.53	-1.66	-5.22 to 2.03	7.55	-3.03 to 19.29
80 years and older										
0	-2.65	-9.48 to 4.70	4.36	-4.89 to 14.50	-2.47	-5.99 to 1.18	0.34	-2.37 to 3.14	-7.05	-15.13 to 1.79
1	-0.73	-7.69 to 6.74	0.88	-8.06 to 10.69	-3.74	-7.40 to 0.07	0.81	-1.98 to 3.67	-8.11	-15.97 to 0.48
2	3.62	-3.41 to 11.17	-3.97	-12.14 to 4.96	1.56	-1.95 to 5.20	0.26	-2.38 to 2.97	-4.40	-12.45 to 4.38
3	1.19	-5.89 to 8.80	-0.87	-9.58 to 8.69	0.97	-2.61 to 4.67	-0.59	-3.17 to 2.06	1.86	-6.64 to 11.12
4	-4.42	-11.26 to 2.96	2.42	-6.44 to 12.13	1.46	-2.44 to 5.52	-0.26	-3.17 to 2.74	1.02	-7.81 to 10.71
Younger than 80 years old										
0	-1.46	-10.60 to 8.62	3.01	-9.02 to 16.64	5.71	1.23 to 10.38	0.01	-3.64 to 3.81	12.36	0.59 to 25.50
1	-5.90	-14.77 to 3.90	4.41	-7.80 to 18.24	1.59	-3.17 to 6.58	0.98	-3.47 to 5.64	10.77	-1.03 to 23.97
2	-4.21	-13.16 to 5.67	7.06	-5.46 to 21.24	3.24	-1.63 to 8.35	-2.06	-6.86 to 2.99	3.15	-8.11 to 15.78
3	-2.42	-11.58 to 7.70	-0.64	-12.40 to 12.71	1.37	-3.40 to 6.38	-1.17	-5.71 to 3.59	-1.01	-11.67 to 10.93
4	-1.67	-10.83 to 8.43	3.83	-8.21 to 17.44	1.77	-2.67 to 6.43	-2.94	-7.39 to 1.71	0.74	-10.38 to 13.23

Abbreviations: H<sub>2</sub>S: hydrogen sulphide; NO<sub>2</sub>: nitrogen dioxide; O<sub>3</sub>: ozone; PM<sub>10</sub>: particulate matter ≤10 µm in aerodynamic diameter; SO<sub>2</sub>: sulphur dioxide. <sup>a</sup> Summer months of 1 May to 31 October. <sup>b</sup> Winter months of 1 November to 30 April.

Supplementary Table 4. Percentage increases in risk (IR%), 95% confidence intervals (CI), and *p*-values by all natural cause death during 2003-2009 in the Reykjavik area, the best models for lag 0 to 4, according to the Akaike Information Criterion.

Components/parameters	AIC	IR%	95% CI	<i>p</i> -value
Lag 0	42 189.28			
Component 3		-0.26	-0.45 to -0.07	0.009
Component 8		0.60	-2.31 to 3.50	0.70
Interaction terms				
Influenza season:Component 3		0.50	0.10 to 0.90	0.03
Influenza season:Component 8		-8.18	-14.68 to -1.19	0.02
Lag 1	42 164.17			
Summer		34.5	-4.82 to 90.1	0.09
Influenza season		15.90	-19.63 to 67.10	0.43
Component 2		0.10	-0.01 to 0.30	0.08
Component 6		-0.60	-1.63 to 0.40	0.26
Component 7		2.70	-0.09 to 5.50	0.06
H <sub>2</sub> S (> 7 µg/m <sup>3</sup> )		1.80	-11.38 to 17.00	0.80
Interaction terms				
Summer:Component 7		-3.37	-7.16 to 0.60	0.09
Influenza season:Component 6		2.90	0.50 to 5.40	0.02
Summer:H <sub>2</sub> S (> 7 µg/m <sup>3</sup> )		20.40	-5.85 to 53.90	0.14
Lag 2	42 160.84			
Summer		5.30	-16.88 to 33.50	0.670
H <sub>2</sub> S (> 7 µg/m <sup>3</sup> )		-18.75	-29.49 to -6.39	0.004
Interaction terms				
Summer:H <sub>2</sub> S (> 7 µg/m <sup>3</sup> )		43.50	11.10 to 85.50	0.006
Lag 3	42 158.86			
Summer		4.00	-14.77 to 27.00	0.698
Component 4		-0.12	-0.71 to 0.50	0.704
H <sub>2</sub> S (> 7 µg/m <sup>3</sup> )		-14.87	-25.80 to -2.33	0.022
Interaction terms				
Summer:Component 4		-0.95	-1.86 to -0.04	0.042
Summer:H <sub>2</sub> S (> 7 µg/m <sup>3</sup> )		36.90	6.20 to 76.50	0.015
Lag 4	42 166.04			
Summer		8.80	-11.14 to 33.20	0.29
Influenza season		8.70	-12.43 to 34.90	0.82
Component 2		-0.03	-0.19 to 0.10	0.24
Component 7		-0.56	-2.88 to 1.80	0.98
Component 8		-1.67	-4.53 to 1.30	0.94
Interaction terms				
Summer:Component 2		0.00	-0.34 to 0.40	0.06
Influenza season:Component 7		1.50	-3.73 to 7.10	0.02
Influenza season:Component 8		3.10	-4.13 to 10.80	0.04

Component 2 consists of: NO<sub>2</sub> (-0.149) and PM<sub>10</sub> (-0.979). Component 3 consists of: NO<sub>2</sub> (0.698) and O<sub>3</sub> (-0.704). Component 4 consists of: NO<sub>2</sub> (0.648), PM<sub>10</sub> (-0.159), O<sub>3</sub> (0.691), and temperature (-0.268). Component 6 consists of: NO<sub>2</sub> (0.202), H<sub>2</sub>S (0.348), O<sub>3</sub> (0.146), and temperature (0.900). Component 7 consists of: SO<sub>2</sub> (0.230) and the ratio between PM<sub>10</sub> and NO<sub>2</sub> (-0.968). Component 8 consists of: SO<sub>2</sub> (0.970) and the ratio between PM<sub>10</sub> and NO<sub>2</sub> (-0.231).