

Supplementary Materials for

Changes in air quality during the COVID-19 pandemic and associated health benefits in Korea

Supplementary Materials includes:

Supplemental Tables 1 to 3

Table S1. Meteorological conditions during COVID-19 pandemic and control periods.

	Precipitation (mm)		Temperature (°C)		Wind (m/s)		Total Sunshine Duration (hr)	
	Control Period (2017-2019)	COVID-19 (2020)	Control Period (2017-2019)	COVID-19 (2020)	Control Period (2017-2019)	COVID-19 (2020)	Control Period (2017-2019)	COVID-19 (2020)
Mean (SD)	3.5 (3.2)	2.9 (4.7)	5.4 (6.9)	6.7 (5.6)	2.1 (0.1)	2.5 (0.4)	228.6 (43.8)	221.0 (42.2)
Min	0.0	0.0	-4.0	-2.0	1.8	1.9	190.5	185
Max	10.5	19.9	17.3	19.8	2.4	3.5	314	283.3
P value	0.249		0.097		0.561		0.329	

Table S2. Relative Risks (RRs) and Attributable Factors (AFs) for PM2.5, PM10, NO2 (Seoul).

	PM2.5		PM10		NO2	
	RR	AF	RR	AF	RR	AF
week1	1.08	0.07	1.04	0.04	1.01	0.01
week2	1.16	0.14	1.07	0.06	1.03	0.03
week3	1.08	0.08	1.04	0.04	1.00	0.00
week4	1.15	0.13	1.05	0.05	1.02	0.02
week5	1.11	0.10	1.05	0.05	1.03	0.03
week6	1.05	0.05	1.03	0.03	0.99	-0.01
week7	1.09	0.09	1.05	0.05	1.02	0.02
week8	1.20	0.16	1.08	0.07	1.05	0.05
week9	1.14	0.12	1.06	0.06	1.03	0.03
week10	1.12	0.11	1.05	0.05	1.02	0.02
week11	1.14	0.12	1.05	0.05	1.05	0.05
week12	1.18	0.15	1.07	0.06	1.04	0.04
week13	1.13	0.11	1.04	0.04	1.02	0.02
week14	1.09	0.09	1.02	0.02	1.03	0.03
week15	1.13	0.12	1.04	0.04	1.03	0.03
week16	1.20	0.17	1.05	0.05	1.06	0.05
week17	1.15	0.13	1.05	0.05	1.04	0.03
week18	1.20	0.16	1.04	0.04	1.03	0.02

Table S3. Relative Risks (RRs) and Attributable Factors (AFs) for PM2.5, PM10, NO2 (Daegu).

	PM2.5		PM10		NO2	
	RR	AF	RR	AF	RR	AF
week1	1.09	0.08	1.05	0.05	1.01	0.01
week2	1.15	0.13	1.07	0.06	1.04	0.04
week3	1.11	0.10	1.06	0.06	1.01	0.01
week4	1.18	0.15	1.06	0.06	1.05	0.04
week5	1.08	0.07	1.04	0.04	1.02	0.02
week6	1.08	0.07	1.04	0.04	1.01	0.01
week7	1.11	0.10	1.05	0.05	1.03	0.03
week8	1.19	0.16	1.08	0.07	1.05	0.05
week9	1.14	0.12	1.06	0.06	1.05	0.04
week10	1.13	0.11	1.06	0.05	1.03	0.03
week11	1.13	0.11	1.05	0.04	1.05	0.05
week12	1.14	0.12	1.05	0.05	1.04	0.03
week13	1.14	0.12	1.05	0.05	1.03	0.03
week14	1.10	0.09	1.03	0.03	1.03	0.03
week15	1.18	0.15	1.05	0.04	1.03	0.03
week16	1.19	0.16	1.04	0.04	1.05	0.05
week17	1.13	0.11	1.04	0.04	1.04	0.04
week18	1.16	0.13	1.04	0.04	1.04	0.04