

Supplementary Materials:

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Table S1. Model Percentage change (with 95% confidence interval) in admissions for chronic respiratory disease associated with a 10 $\mu\text{g}/\text{m}^3$ increases in API (rounding to 2 decimal places) over 10 days.

Lag/Day	Relative Risk	95% Lower CI	95% Upper CI
Lag 0	1.04	0.99	1.08
Lag 1	0.99	0.97	1.01
Lag 2	0.97	0.95	1
Lag 3	0.97	0.95	0.99
Lag 4	0.98	0.96	1
Lag 5	1	0.98	1.01
Lag 6	1.01	0.99	1.03
Lag 7	1.02	1	1.04
Lag 8	1.02	1	1.04
Lag 9	1	0.99	1.02
Cumulative effect	0.97	0.876	1.078