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Supplemental Material

Outdoor PM_{2.5}, Ambient Air Temperature, and Asthma Symptoms in the Past 14 Days among Adults with Active Asthma

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Table S1. Associations between PM_{2.5} and the prevalence of asthma symptoms in the past 14 days among adults with active asthma across quintiles of air temperature.

Metrics of PM _{2.5}	Air Temperature (°F)				
	1.1–44.4	44.5–58.6	58.7–70.1	70.2–80.5	80.6–112.4
	PD (95% CI) ^a				
Quartiles					
4.00–7.06 µg·m ⁻³	0.0 (referent)				
7.07–8.97 µg·m ⁻³	7.0 (-1.2, 15.1)	8.7 (3.0, 14.3)	3.6 (-1.8, 8.9)	9.4 (3.1, 15.7)	1.2 (-6.3, 8.7)
8.98–11.36 µg·m ⁻³	4.8 (-3.0, 12.6)	5.0 (-1.2, 11.3)	2.8 (-3.0, 8.7)	11.0 (4.4, 17.6)	5.7 (-2.0, 13.3)
11.37–19.98 µg·m ⁻³	7.1 (-1.1, 15.3)	6.1 (-0.5, 12.8)	5.5 (-2.0, 13)	6.1 (-1.1, 13.3)	3.1 (-4.9, 11.0)
Linear spline segments					
per µg·m ⁻³ 4.00–7.06	7.9 (1.9, 13.8)	6.9 (2.6, 11.2)	2.9 (-1.0, 6.7)	7.3 (2.7, 11.9)	-0.3 (-6.3, 5.6)
per µg·m ⁻³ 7.07–8.97	-3.7 (-9.0, 1.6)	-0.3 (-4.4, 3.7)	0.5 (-3.4, 4.3)	1.3 (-3.1, 5.7)	4.6 (-0.9, 10.1)
per µg·m ⁻³ 8.98–11.36	2.3 (-1.1, 5.7)	0.4 (-3.1, 3.9)	0.2 (-3.2, 3.6)	-1.0 (-4.3, 2.3)	-1.4 (-4.6, 1.9)
per µg·m ⁻³ 11.37–19.98	-0.1 (-1.6, 1.5)	-0.9 (-3.1, 1.3)	1.3 (-1.9, 4.5)	-0.3 (-2.4, 1.8)	-0.2 (-1.5, 1.2)
Continuous measure					
per µg·m ⁻³ 4.00–19.98	0.5 (-0.4, 1.3)	0.5 (-0.3, 1.3)	0.9 (-0.1, 1.9)	0.2 (-0.7, 1.1)	0.2 (-0.6, 1.0)

CI, confidence interval; PD, percent difference

^a Adjusted for individual-level covariates (age, educational attainment, race, sex, and smoking status) and county-level covariates (O₃, precipitation, region, temperature, and urbanicity)