

Table S1: Associations of Temperature at Home Address and FEV₁ by Asthma and COPD

Temperature Average	Unit	Difference in FEV ₁ , mL (95% CI)			
		Asthma (n= 2,112 obs)	No Asthma (n= 7, 038 obs)	COPD (n= 426 obs)	No COPD (n= 8,724 obs)
1-Day	5 °C	-16.2 (-28.9, -3.5)	-16.9 (-27.1, -6.7)	-30.3 (-52.8, -7.8)	-15.9 (-25.8, -6.0)
2-Day	5 °C	-15.7 (-29.4, -1.9)	-15.0 (-26.4, -3.7)	-28.7 (-52.4, -5.1)	-14.3 (-25.4, -3.2)
7-Day	5 °C	-21.1 (-37.5, -4.8)	-19.5 (-33.4, -5.5)	-27.0 (-53.7, -0.3)	-19.5 (-33.2, -5.7)

Associations (95% CI) are from linear mixed models with an interaction term for asthma or COPD, adjusted for participant sex, age, age², height, weight, smoking status, packyears, household smoking, asthma, COPD (in models with interaction term for COPD), education, census tract median household income, season (as sine and cosine terms of the date), prior-day regional relative humidity and PM_{2.5} level, exam 8, cohort. The p value for the interaction term was >0.1 for all 6 models.