

Table 2. Associations between PM_{2.5} and PM₁₀ short-term exposure and RA disease activity.

	DAS28-CRP		SDAI	
PM _{2.5} lag	Estimate (SE)	P-value	Estimate (SE)	P-value
Day 0	-0.018 (0.018)	0.311*	-0.051 (0.050)	0.312
Day -1	-0.017 (0.018)	0.348	-0.028 (0.051)	0.590
Day -2	-0.005 (0.019)	0.807	-0.023 (0.054)	0.665
Day -3	-0.007 (0.015)	0.638	-0.013 (0.043)	0.758
Day -4	-0.012 (0.015)	0.411	0.001 (0.042)	0.983
Day -5	-0.031 (0.017)	0.065	-0.050 (0.047)	0.288
Day -6	0.005 (0.017)	0.751	0.044 (0.047)	0.348
Day -7	0.007 (0.016)	0.665	0.046 (0.047)	0.327
Week -1	-0.021 (0.022)	0.341	-0.029 (0.063)	0.646
PM₁₀ lag				
Day 0	-0.018 (0.015)	0.229	-0.023 (0.042)	0.580
Day -1	-0.020 (0.015)	0.194	-0.010 (0.043)	0.809
Day -2	-0.010 (0.015)	0.493	-0.021 (0.043)	0.624
Day -3	-0.006 (0.012)	0.614	-0.004 (0.035)	0.910
Day -4	-0.014 (0.012)	0.222	-0.007 (0.034)	0.840
Day -5	-0.028 (0.013)	0.034*	-0.041 (0.038)	0.276
Day -6	-0.001 (0.014)	0.969	0.026 (0.039)	0.503
Day -7	-0.005 (0.014)	0.702	0.017 (0.039)	0.672
Week -1	-0.025 (0.018)	0.173	-0.019 (0.052)	0.708

Multivariate model adjusted for radiographic damage, smoking status, seropositivity, therapy, steroid, age at visit, disease duration and therapy. β coefficients are reported for 10 $\mu\text{g}/\text{m}^3$ increments in PM_{2.5} and PM₁₀. Est.: estimate; SE: standard error; DAS28-CRP: Disease Activity Score in 28 joints using C-reactive protein; SDAI: Simplified disease activity index.

*Statistically significant interaction between PM_{2.5} and PM₁₀ and therapy on disease activity.