

SUPPLEMENTARY DATA

Supplementary Table 1. Association (% increase, 95% CI) between ambient pollutants and CRP for different models.

pollutants	Time	Model I	Model II	Model VII
SO₂ SD= 5.36	L0	5.29 (1.55-12.61)	6.35 (-1.79-15.17)	1.63 (-7.51-11.68)
	L1	9.34 (2.20-16.97)*	12.42 (3.70-21.87)**	10.55 (0.32-21.83)*
	L2	12.42 (4.59-20.82)**	13.64 (4.19-23.94)**	10.99 (-0.24-23.48)
	L3	3.37 (-4.09-11.41)	3.42 (-5.41-13.08)	3.90 (-6.73-15.75)
	L4	8.67 (1.01-16.91)*	9.48 (0.38-19.41)*	4.80 (-6.12-17.00)
	L5	8.15 (0.75-16.09)*	10.42 (1.48-20.14)*	12.55 (1.21-25.17)*
	L6	2.74 (-4.44-10.45)	3.54 (-5.08-12.92)	4.71 (-5.65-16.20)
	L7	3.45 (-3.43-10.82)	3.55 (-4.62-12.43)	4.07 (-6.36-15.66)
	L0-7	13.45 (2.68-25.35)*	16.75 (3.21-32.05)*	16.28 (-0.31-35.64)
	L0-14	11.23 (0.20-23.35)*	13.51 (2.00-29.03)*	14.49 (-3.44-35.75)
	L0-30	14.40 (2.28-27.95)*	19.76 (3.76-38.24)*	23.07 (2.41-47.90)*
NO_x SD= 7.63	L0	7.88 (0.57-15.72)*	10.28 (0.81-20.63)*	9.02 (-1.54-20.70)
	L1	7.77 (0.90-15.72)*	11.00 (2.00-20.80)*	3.94 (-5.54-14.39)
	L2	11.60 (4.03-19.73)**	13.69 (3.73-24.60)**	7.70 (-3.13-19.75)
	L3	2.22 (-5.11-10.13)	2.12 (-7.22-12.50)	0.06 (-10.33-11.65)
	L4	7.83 (0.14-16.12)*	9.04 (-0.82-19.88)	1.91 (-9.30-14.51)
	L5	4.97 (-2.39-12.88)	6.60 (-2.86-16.99)	-0.23 (-10.97-11.80)
	L6	1.22 (-5.72-8.68)	1.73 (-7.22-11.56)	-0.55 (-11.08-11.23)
	L7	4.17 (-2.76-11.59)	4.87 (-4.02-14.59)	6.31 (4.77-18.69)
	L0-7	12.18 (1.41-24.10)*	15.95 (1.41-32.57)*	10.64 (-6.12-30.40)
	L0-14	10.43 (-0.80-22.93)	15.41 (-0.16-33.41)	10.83 (-8.20-33.82)
	L0-30	9.85 (-2.37-23.61)	12.74 (-4.58-33.21)	3.63 (-17.86-30.73)

SUPPLEMENTARY DATA

PM₁₀ SD= 37.20	L0	1.86 (-6.08-10.47)	2.40 (-7.51-13.37)	-4.73 (-13.90-5.41)
	L1	0.39 (-7.29-8.70)	1.30 (-8.29-11.90)	-8.87 (-17.26-0.36)
	L2	3.41 (-5.24-12.86)	2.66 (-8.05-14.61)	-9.49 (-18.88-0.99)
	L3	1.66 (-6.75-10.82)	1.07 (-9.35-12.69)	-1.49 (-12.20-10.54)
	Lag 4	9.08 (-0.01-19.00)	9.90 (-1.45-22.55)	3.19 (-8.26-16.08)
	Lag 5	1.60 (-6.54-10.45)	2.13 (-8.02-13.39)	-7.83 (-17.80-3.36)
	Lag 6	-0.40 (-7.69-7.46)	-0.79 (-9.81-9.15)	-3.08 (-12.14-6.92)
	Lag 7	-2.08 (-9.65-6.12)	-3.78 (-13.07-6.50)	-9.22 (-18.48-1.08)
	L0-7	3.29 (-9.00-17.24)	3.02 (-12.50-21.29)	-17.88 (-31.73--1.23)*
	L0-14	3.73 (-9.30-18.64)	4.90 (-12.00-25.06)	-17.89 (-33.85-1.92)
	L0-30	6.53 (-7.34-22.47)	6.64 (-11.61-28.66)	-16.73 (-35.39-7.32)

Time, time before blood collection; SO₂, sulfur dioxide; NO_x, oxides of nitrogen; PM₁₀, particles ≤ 10 μm in aerodynamic diameter; L, stand for lag.

All model presented as % change in Geometric Mean CRP per 1SD increase in air pollutants.

Model I, main model adjusted to age, gender, body mass index, fasting plasma glucose, hemoglobin, anti-inflammatory treatment, season, relative humidity, and air temperature.

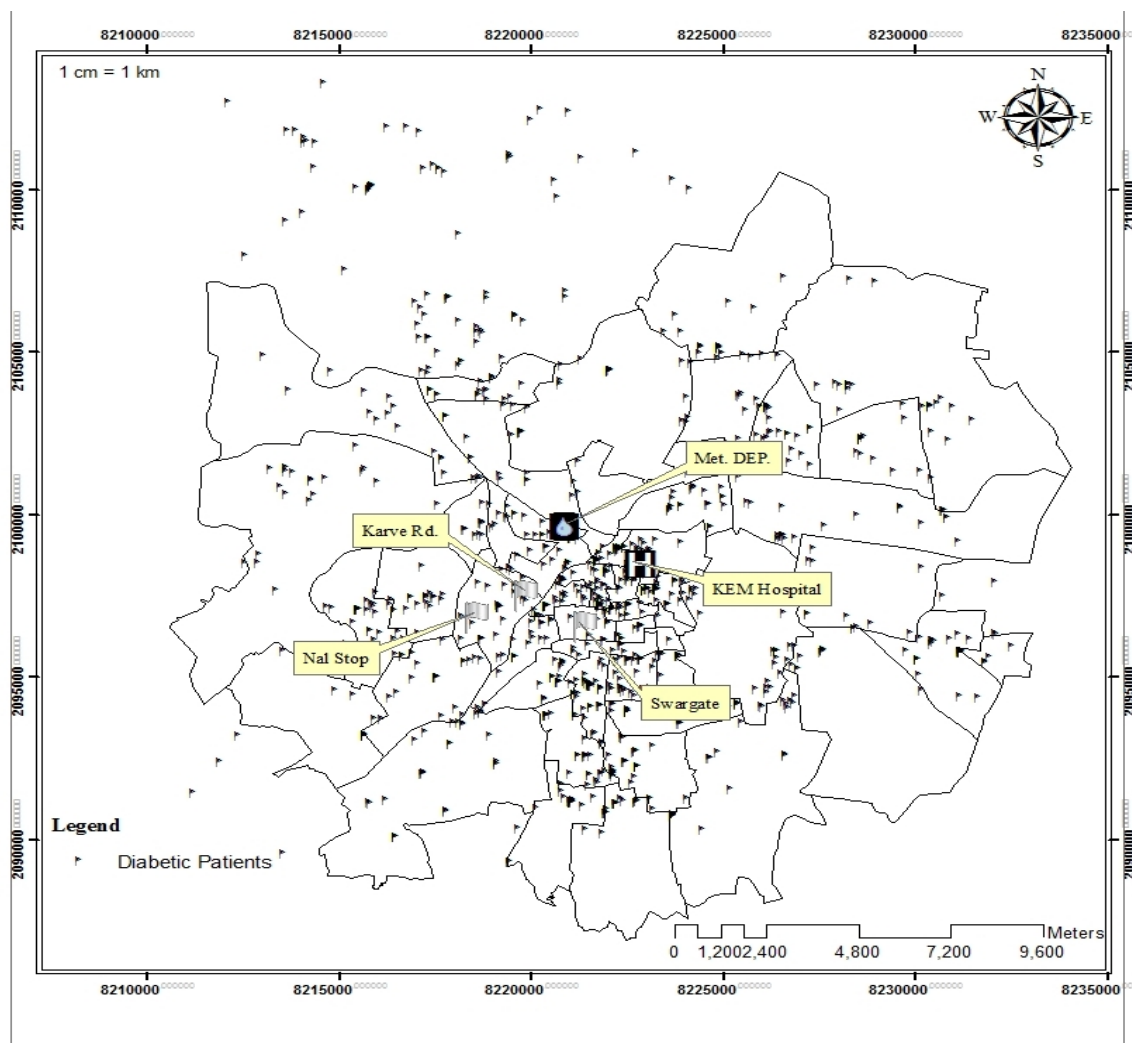
Model II, additional adjustment for barometric pressure and apparent temperature

Model III, three pollutants (SO₂, NO_x, PM₁₀)

* and ** indicate the association are significant at $p<0.05$ and $p<0.01$ respectively

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Supplementary Figure 1. Location of air pollutant monitors, meteorological department, KEM Hospital, and distribution of diabetic patients in Pune, India



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Supplementary Figure 2. Concentration profile of A) air pollutants (averaged across three central monitors- Karve Road, Nal Stop, and Swargate) and B) meteorological variables in Pune, May 2005- March 2007

