**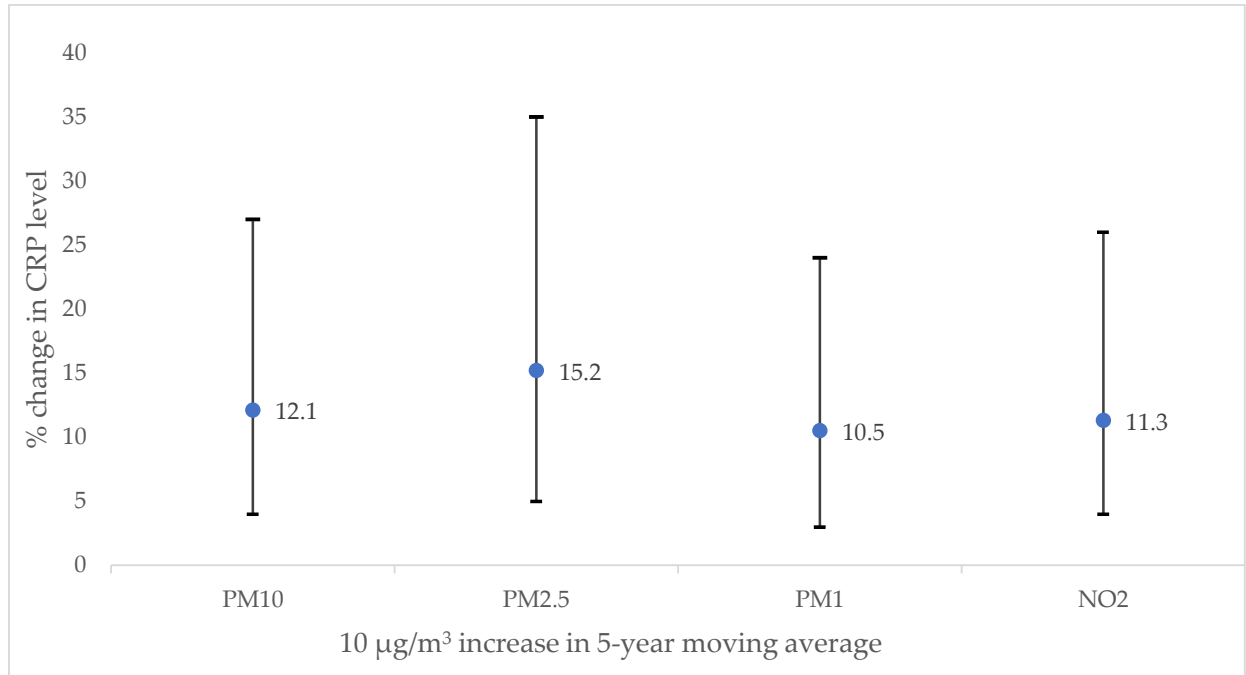Figure S1:** Percentage change (95% CI) in hs-CRP levels associated with 10 ug/m$^3$ increase in 5-years moving averages of air pollution.



PM$_{10}$, particulate matter with a diameter of 10 μm or less; PM$_{2.5}$, with a diameter of 2.5 μm or less; PM$_1$, particulate matter with a diameter of 1 μm or less; NO$_2$, nitrogen dioxide.
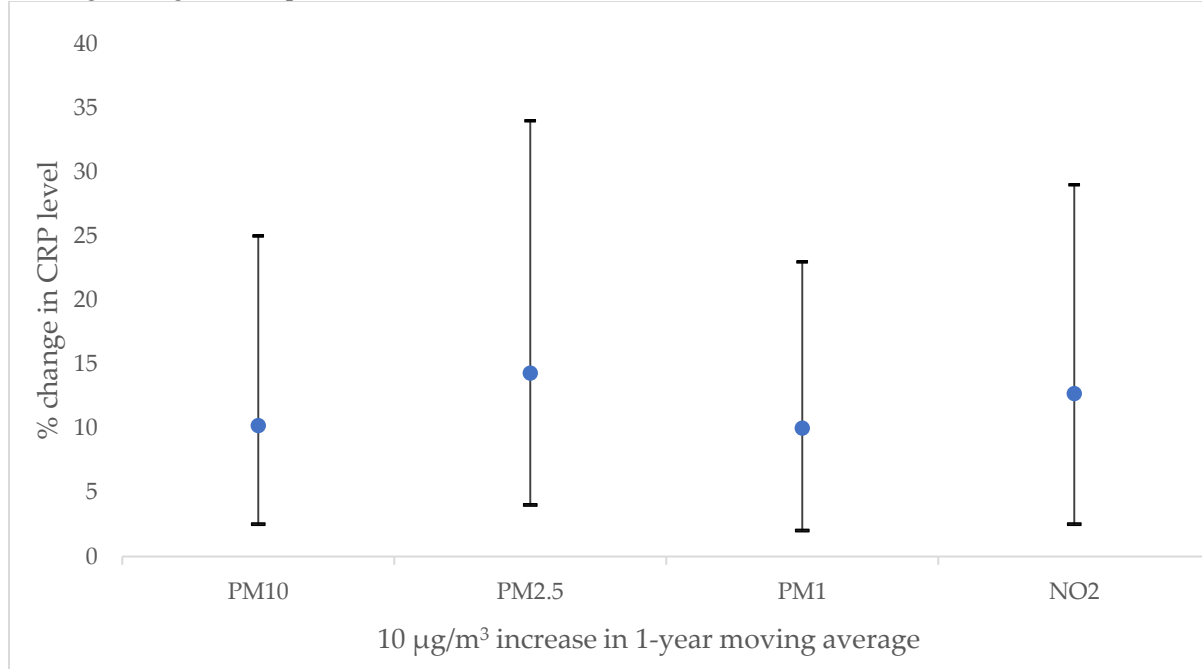
**Figure S2:** Percentage change (95% CI) in hs-CRP levels associated with 10 µg/m$^3$ increase in 1-year moving averages of air pollution.



PM$_{10}$, particulate matter with a diameter of 10 µm or less; PM$_{2.5}$, with a diameter of 2.5 µm or less, PM$_1$, particulate matter with a diameter of 1 µm or less; NO$_2$, nitrogen dioxide.

**Table S1.** Results of 10-fold cross-validation for PM$_1$, PM$_{2.5}$, PM$_{10}$, and NO$_2$.

| Pollutants | Daily Model | | Annual Averages | |
|---|---|---|---|---|
| | CV R$^2$ | RMSE | CV R$^2$ | RMSE |
| PM$_1$ | 55% | 20.5 µg/m$^3$ | 75% | 8.8 µg/m$^3$ |
| PM$_{2.5}$ | 83% | 18.1 µg/m$^3$ | 86% | 6.9 µg/m$^3$ |
| PM$_{10}$ | 78% | 31.5 µg/m$^3$ | 81% | 14.4 µg/m$^3$ |
| NO$_2$ | 64% | 12.4 µg/m$^3$ | 72% | 6.5 µg/m$^3$ |

RMSE: Root mean square error; CV: cross-validation.

**Table S2.** Characteristics of the study participants and non-participants (without CRP sample).

| | No (n) | % | Yes (n) | % | p-value* |
|---|---|---|---|---|---|
| **CRP** | 5,452 | 40.8% | 7,915 | 59.2% | |
| **Age (mean, SD)** | 63.1 (9.6) | | 63.2 (9.4) | | 0.392 |
| **Sex** | | | | | |
| Female | 2,952 | 41.6% | 4,141 | 58.4% | 0.000 |
| Male | 2,500 | 39.8% | 3,774 | 60.2% | |
| **Smoking** | | | | | |
| Ever smoker | 3,368 | 39.0% | 5,275 | 61.0% | 0.000 |
| Never smoker | 1,707 | 39.5% | 2,615 | 60.5% | |
| **Alcohol** | | | | | |
| No | 3,458 | 38.6% | 5,496 | 61.4% | 0.561 |
| Yes | 1,614 | 40.4% | 2,377 | 59.6% | |
| **BMI (mean, SD)** | 23.9 (5.2) | | 24.1 (4.8) | | 0.006 |
| **Physical activity** | | | | | |
| Low level | 1,475 | 35.3% | 2,707 | 64.7% | 0.000 |
| Moderate | 1,402 | 38.5% | 2,243 | 61.5% | |
| High | 2,198 | 42.8% | 2,939 | 57.2% | |
| **Education** | | | | | |
| No school | 2,399 | 42.8% | 3,201 | 57.2% | 0.000 |
| Primary | 956 | 36.7% | 1,646 | 63.3% | |
| Middle | 1,173 | 43.3% | 1,535 | 56.7% | |
| Higher education | 904 | 37.9% | 1,481 | 62.1% | |
| **Fruit and vegetable consumption** | | | | | |
| Insufficient | 2,704 | 44.8% | 3,336 | 55.2% | 0.000 |
| Sufficient | 2,748 | 37.5% | 4,579 | 62.5% | |
| **Fuel used at home** | | | | | |
| Clean | 2,790 | 37.8% | 4,588 | 62.2% | 0.000 |
| Unclean | 2,650 | 44.8% | 3,265 | 55.2% | |
| **Annual household income** | | | | | |
| ≤15,000¥ | 3,147 | 47.1% | 3,529 | 52.9% | 0.000 |
| >15,000¥ | 2,263 | 35.4% | 4,129 | 64.6% | |
| **Location of residence** | | | | | |
| Rural | 2,524 | 37.1% | 4,276 | 62.9% | 0.000 |
| Urban | 2,928 | 44.6% | 3,639 | 55.4% | |