Table S4. Odds ratios and 95% confidence intervals of symptoms and doctor-diagnoses of three allergic diseases for interquartile increases in individual-level annual average concentrations of NO2, PM10, and PM2.5 (4.7 ppm, 2.85 ug/m3, and 2.69 ug/m3, respectively) in 14,614 children at homes and schools from the Seoul Atopy Friendly School Project Survey in Seoul, Korea, for 2010

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Response variable | Model | Explanatory variable | | |
| NO2 | PM10 | PM2.5 |
| Asthma symptom  (N=12,518) | Model 1 | 1.01 (0.93 – 1.09) | 1.03 (0.95 – 1.12) | 0.99 (0.91 – 1.08) |
| Model 2 | 1.01 (0.93 – 1.09) | 1.03 (0.95 – 1.12) | 1.00 (0.92 – 1.09) |
| Model 3 | 1.00 (0.92 – 1.09) | 1.01 (0.92 – 1.11) | 0.97 (0.88 – 1.06) |
| Asthma  Diagnosis  (N=12,518) | Model 1 | 0.99 (0.88 – 1.11) | 0.99 (0.87 – 1.11) | 0.98 (0.87 – 1.11) |
| Model 2 | 0.98 (0.87 – 1.10) | 0.98 (0.87 – 1.11) | 0.99 (0.87 – 1.12) |
| Model 3 | 0.98 (0.87 – 1.11) | 0.98 (0.86 – 1.12) | 0.99 (0.87 – 1.12) |
| Rhinitis  Symptom  (N=12,518) | Model 1 | 0.96 (0.92 – 1.00) | 0.99 (0.94 – 1.03) | 1.02 (0.98 – 1.07) |
| Model 2 | 0.96 (0.92 – 1.01) | 0.98 (0.94 – 1.03) | 1.02 (0.98 – 1.07) |
| Model 3 | 0.97 (0.93 – 1.01) | 0.99 (0.94 – 1.04) | 1.03 (0.99 – 1.09) |
| Rhinitis  Diagnosis  (N=12,518) | Model 1 | 0.96 (0.92 – 1.01) | 0.99 (0.94 – 1.04) | 1.03 (0.98 – 1.09) |
| Model 2 | 0.97 (0.92 – 1.02) | 0.99 (0.94 – 1.04) | 1.03 (0.98 – 1.09) |
| Model 3 | 0.97 (0.92 – 1.02) | 0.98 (0.92 – 1.05) | 1.04 (0.98 – 1.11) |
| Eczema  Symptom  (N=14,614) | Model 1 | 1.06 (1.01 – 1.12) | 1.05 (0.99 – 1.10) | 1.00 (0.94 – 1.05) |
| Model 2 | 1.06 (1.01 – 1.11) | 1.05 (0.99 – 1.11) | 1.00 (0.94 – 1.05) |
| Model 3 | 1.06 (1.01 – 1.12) | 1.05 (0.99 – 1.11) | 1.00 (0.94 – 1.06) |
| Eczema  Diagnosis  (N=14,614) | Model 1 | 1.07 (1.01 – 1.13) | 1.05 (0.99 – 1.11) | 1.02 (0.96 – 1.08) |
| Model 2 | 1.07 (1.01 – 1.13) | 1.05 (0.99 – 1.11) | 1.02 (0.96 – 1.08) |
| Model 3 | 1.07 (1.01 – 1.13) | 1.05 (0.99 – 1.12) | 1.03 (0.97 – 1.09) |