

**Table S4. Estimates of effects of NO<sub>2</sub> from multi-pollutant models on natural and cause-specific mortality.**

|  | Risk measurement* | Total or natural mortality  |                             |       | Cardiovascular mortality      |       |       | Respiratory mortality |       |       |
|--|-------------------|-----------------------------|-----------------------------|-------|-------------------------------|-------|-------|-----------------------|-------|-------|
|  |                   | effect                      | 95%CI                       |       | effect                        | 95%CI |       | effect                | 95%CI |       |
| <b>Gehring, 2006</b>                               |                   |                             |                             |       |                               |       |       |                       |       |       |
| NO <sub>2</sub> IQR (24 µg/m <sup>3</sup> ) single | RR                | 1.19                        | 1.02                        | 1.39  | <b>cardiopulmonary</b>        |       |       |                       |       |       |
| with traffic indicator                             |                   |                             | no changes (data not shown) |       | 1.74                          | 1.29  | 2.33  |                       |       |       |
| <b>Jerrett, 2009</b>                               |                   |                             |                             |       |                               |       |       |                       |       |       |
| NO <sub>2</sub> IQR (4 ppb) single                 | RR                | 1.17                        | 1.00                        | 1.36  | <b>Ischemic heart disease</b> |       |       |                       |       |       |
| with traffic indicator                             |                   | 1.13                        | 0.97                        | 1.32  | 1.45                          | 1.10  | 1.92  |                       |       |       |
|  |                   |                             |                             |       | 1.39                          | 1.05  | 1.85  |                       |       |       |
| <b>Lipfert, 2009</b>                               |                   |                             |                             |       |                               |       |       |                       |       |       |
| NO <sub>x</sub> IQR (10 ppb) single                | RR                | 1.08                        | 1.06                        | 1.1   |                               |       |       |                       |       |       |
| with traffic indicator                             |                   | 1.01                        | not reported                |       |                               |       |       |                       |       |       |
| <b>Hart, 2011</b>                                  |                   |                             |                             |       |                               |       |       |                       |       |       |
| NO <sub>2</sub> IQR (8 ppb) single                 | %IR               | 8.20                        | 4.50                        | 12.10 | 6.90                          | 0.60  | 13.60 | 5.90                  | -7.40 | 21.10 |
| with PM <sub>10</sub> and SO <sub>2</sub>          |                   | 7.40                        | 2.40                        | 12.50 | 6.80                          | -1.40 | 15.70 | 5.60                  | -     | 26.60 |
|  |                   |                             |                             |       |                               |       |       | 12.00                 |       |       |
| <b>Gan, 2011</b>                                   |                   |                             |                             |       |                               |       |       |                       |       |       |
| NO <sub>2</sub> IQR (8 µg/m <sup>3</sup> ) single  | RR                |                             |                             |       | <b>Coronary heart disease</b> |       |       |                       |       |       |
| with PM <sub>2.5</sub> and BC                      |                   |                             |                             |       | 1.04                          | 1.01  | 1.08  |                       |       |       |
|  |                   |                             |                             |       | 1.03                          | 0.99  | 1.07  |                       |       |       |
| <b>Cao, 2011</b>                                   |                   |                             |                             |       |                               |       |       |                       |       |       |
| NO <sub>x</sub> (10 µg/m <sup>3</sup> ) single     | %IR               | 1.50                        | 0.40                        | 2.50  | 2.30                          | 0.60  | 4.10  | 2.60                  | -0.20 | 5.60  |
| with TSP   |                   | 1.40                        | 0.30                        | 2.50  | 1.50                          | -0.40 | 3.30  | 2.10                  | -1.00 | 5.30  |
| <b>Cesaroni 2013</b>                               |                   |                             |                             |       |                               |       |       |                       |       |       |
| NO <sub>2</sub> IQR (11 µg/m <sup>3</sup> ) single | HR                | 1.03                        | 1.02                        | 1.04  |                               |       |       |                       |       |       |
| with PM <sub>2.5</sub>                             |                   | 1.02                        | 1.01                        | 1.03  |                               |       |       |                       |       |       |
| with traffic indicator                             |                   | no changes (data not shown) |                             |       |                               |       |       |                       |       |       |

\* RR= relative risk; %IR= percentage increase in risk; HR= hazard risk