Supplementary Table 1. Comparison of linear regression models with and without a spatial lag term

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| **Risk factor domain** | **Ordinary Least Squares model** | **Spatial lag model1** |
| **Unadjusted model** | **Adjusted model2** | **Unadjusted model** | **Adjusted model2** |
| **β (SE)** | **p** | **β (SE)** | **p** | **β (SE)** | **p** | **β (SE)** | **p** |
|  Metabolic score | 0.452 (0.16) | 0.001 | 0.036 (0.16) | 0.818 | 0.438 (0.14) | 0.002 | 0.038 (0.13) | 0.770 |
|  Alcohol score | 0.579 (0.13) | <.001 | 0.253 (0.16) | 0.132 | 0.562 (0.11) | <.001 | 0.268 (0.14) | 0.048 |
|  Infection score | 0.583 (0.10) | <.001 | 0.433 (0.13) | 0.002 | 0.549 (0.09) | <.001 | 0.387 (0.11) | <.001 |
| 1Weighted using inverse distances between neighborhood centroid coordinates2All adjusted models include the following variables: metabolic score, alcohol score, infection score |