|  |  |
| --- | --- |
| **Supplementary Table 1. Association between cardiovascular disease and neighborhood resources in small area market statistics, Cox regression** |  |
|  | Men (N=2 040 826) |  | Women (N=2 153 426) |  |
|  | Model-1 |  | Model-2 |  | Model-3 |  | Model-1 |  | Model-2 |  | Model-3 |  |
|   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |  |
| **Coronary heart disease** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bars/pubs | **1.06** | **1.04** | **1.08** |  | **1.02** | **1.00** | **1.04** |  | 1.01 | 0.99 | 1.03 |  | **1.15** | **1.12** | **1.17** |  | **1.09** | **1.07** | **1.12** |  | 1.00 | 0.98 | 1.02 |  |
| Fast-food restaurants | **1.05** | **1.04** | **1.06** |  | **1.01** | **1.00** | **1.02** |  | 1.01 | 0.99 | 1.02 |  | **1.17** | **1.15** | **1.19** |  | **1.10** | **1.08** | **1.12** |  | **1.02** | **1.00** | **1.04** |  |
| Healthcare facilities | **1.09** | **1.08** | **1.10** |  | **1.04** | **1.03** | **1.06** |  | **1.01** | **1.00** | **1.02** |  | **1.22** | **1.20** | **1.24** |  | **1.14** | **1.12** | **1.16** |  | **1.03** | **1.01** | **1.04** |  |
| Physical activity facilities | **1.04** | **1.03** | **1.06** |  | **1.03** | **1.02** | **1.05** |  | **1.01** | **1.00** | **1.03** |  | **1.07** | **1.05** | **1.08** |  | **1.05** | **1.03** | **1.07** |  | **1.02** | **1.00** | **1.03** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Stroke** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bars/pubs | **1.09** | **1.06** | **1.12** |  | **1.05** | **1.03** | **1.08** |  | **1.03** | **1.01** | **1.06** |  | **1.18** | **1.15** | **1.21** |  | **1.13** | **1.10** | **1.16** |  | 1.02 | 0.99 | 1.05 |  |
| Fast-food restaurants | **1.08** | **1.06** | **1.10** |  | **1.04** | **1.02** | **1.06** |  | **1.03** | **1.02** | **1.05** |  | **1.18** | **1.16** | **1.20** |  | **1.12** | **1.10** | **1.14** |  | **1.03** | **1.01** | **1.05** |  |
| Healthcare facilities | **1.12** | **1.10** | **1.14** |  | **1.08** | **1.06** | **1.10** |  | **1.04** | **1.02** | **1.05** |  | **1.20** | **1.18** | **1.23** |  | **1.14** | **1.12** | **1.16** |  | **1.02** | **1.00** | **1.04** |  |
| Physical activity facilities | **1.05** | **1.03** | **1.06** |   | **1.03** | **1.02** | **1.05** |   | **1.01** | **0.99** | **1.03** |   | **1.08** | **1.06** | **1.10** |   | **1.07** | **1.05** | **1.09** |   | **1.03** | **1.01** | **1.05** |  |
| OR: Odds ratio, CI: Confidence interval |  |
| Neighborhoods are defined by predefined geographic units (small area market statistics). Model 1 is unadjusted. Model 2 is adjusted for neighborhood-level deprivation. Model 3 is adjusted for neighborhood-level deprivation and individual-level age and income. Bold type: |
| Bold type: 95% CI does not include 1. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Supplementary Table 2. Association between cardiovascular disease and neighborhood resources in buffer zones, Cox regression**  |  |
|  | Men (N=2040826) |  | Women (N=2153426) |  |
|  | Model-1 |  | Model-2 |  | Model-3 |  | Model-1 |  | Model-2 |  | Model-3 |  |
|   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |   | HR | 95% CI |  |
| **Coronary heart disease** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bars/pubs | **1.03** | **1.01** | **1.04** |  | 1.00 | 0.98 | 1.01 |  | 0.99 | 0.98 | 1.00 |  | **1.18** | **1.16** | **1.20** |  | **1.12** | **1.10** | **1.14** |  | 1.00 | 0.98 | 1.01 |  |
| Fast-food restaurants | **1.04** | **1.02** | **1.05** |  | **1.01** | **1.00** | **1.03** |  | 1.00 | 0.99 | 1.01 |  | **1.24** | **1.22** | **1.27** |  | **1.19** | **1.16** | **1.21** |  | **1.02** | **1.00** | **1.04** |  |
| Healthcare facilities | **1.06** | **1.05** | **1.08** |  | **1.03** | **1.01** | **1.04** |  | 1.00 | 0.99 | 1.02 |  | **1.29** | **1.27** | **1.31** |  | **1.21** | **1.19** | **1.24** |  | **1.02** | **1.01** | **1.04** |  |
| Physical activity facilities | **1.02** | **1.01** | **1.04** |  | 1.00 | 0.98 | 1.01 |  | 0.99 | 0.98 | 1.01 |  | **1.16** | **1.14** | **1.18** |  | **1.11** | **1.09** | **1.13** |  | 0.98 | 0.97 | 1.00 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Stroke** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bars/pubs | **1.10** | **1.08** | **1.13** |  | **1.08** | **1.05** | **1.10** |  | **1.06** | **1.04** | **1.08** |  | **1.22** | **1.20** | **1.25** |  | **1.18** | **1.16** | **1.20** |  | **1.03** | **1.01** | **1.05** |  |
| Fast-food restaurants | **1.11** | **1.09** | **1.13** |  | **1.09** | **1.07** | **1.11** |  | **1.07** | **1.05** | **1.09** |  | **1.28** | **1.25** | **1.31** |  | **1.24** | **1.22** | **1.27** |  | **1.05** | **1.02** | **1.07** |  |
| Healthcare facilities | **1.15** | **1.13** | **1.17** |  | **1.12** | **1.10** | **1.14** |  | **1.08** | **1.06** | **1.10** |  | **1.29** | **1.27** | **1.32** |  | **1.24** | **1.21** | **1.26** |  | **1.02** | **1.00** | **1.05** |  |
| Physical activity facilities | **1.09** | **1.07** | **1.11** |   | **1.07** | **1.05** | **1.09** |  | **1.05** | **1.04** | **1.07** |   | **1.20** | **1.18** | **1.22** |   | **1.16** | **1.14** | **1.19** |  | **1.02** | **1.00** | **1.04** |  |
| OR: Odds ratio, CI: Confidence interval |  |
| Neighborhoods are defined by buffer zones (radius 1000m) surrounding each person. Model 1 is unadjusted. Model 2 is adjusted for neighborhood-level deprivation. Model 3 is adjusted for neighborhood-level deprivation and individual-level age and income.  |
| Bold type: 95% CI does not include 1. |  |  |