S4 Table. Sensitivity analysis: Model comparison using different threshold temperature point.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **93% (30.3°C)** |  | **95% (31.0°C)** |  | **99% (33.4°C)** |
|  | **RR** | **95% CI** | **AD** |  | **RR** | **95% CI** | **AD** |  | **RR** | **95% CI** | **AD** |
| **All cause** | **1.03**  | **(1.03-1.04)** | **2542**  |  | **1.04**  | **(1.04-1.05)** | **2039**  |  | **1.09**  | **(1.07-1.11)** | **616**  |
| **External causes of morbidity and mortality and injury** | **1.03**  | **(1.02-1.05)** | **325**  |  | **1.03**  | **(1.01-1.05)** | **205**  |  | **1.00**  | **(0.94-1.05)** | **-3**  |
|  Transport accidents | 1.01  | (0.98-1.04) | 28  |  | 1.00  | (0.96-1.05) | 9  |  | 0.91  | (0.81-1.02) | -28  |
| **All cardiovascular** | **1.05**  | **(1.03-1.06)** | **798**  |  | **1.06**  | **(1.05-1.07)** | **676**  |  | **1.15**  | **(1.11-1.19)** | **271**  |
|  Ischemic heart disease | 1.02  | (1-1.05) | 76  |  | 1.03  | (1-1.07) | 63  |  | 1.12  | (1.03-1.23) | 31  |
|  Hypertensive diseases | 1.05  | (1.01-1.09) | 55  |  | 1.06  | (1.01-1.12) | 45  |  | 1.19  | (1.06-1.33) | 23  |
|  Heart failure | 1.03  | (0.97-1.09) | 20  |  | 1.05  | (0.98-1.13) | 22  |  | 1.22  | (1.01-1.47) | 12  |
|  Myocardial Infarction | 1.03  | (1-1.05) | 67  |  | 1.03  | (1-1.07) | 57  |  | 1.14  | (1.04-1.26) | 29  |
|  Stroke, Cerebrovascular diseases | 1.06  | (1.04-1.07) | 559  |  | 1.07  | (1.05-1.09) | 464  |  | 1.17  | (1.12-1.21) | 174  |
|  Chronic ischemic heart disease | 1.01  | (0.95-1.08) | 8  |  | 1.01  | (0.94-1.1) | 5  |  | 1.05  | (0.86-1.28) | 2  |
|  Sudden Death | 1.06  | (1.01-1.1) | 57  |  | 1.07  | (1.02-1.12) | 50  |  | 1.15  | (1.04-1.26) | 26  |
| **Respiratory System** | **1.03**  | **(1-1.05)** | **96**  |  | **1.03**  | **(1-1.06)** | **77**  |  | **1.10**  | **(1.01-1.18)** | **31**  |
|  Asthma | 1.07  | (1.01-1.12) | 46  |  | 1.08  | (1.02-1.15) | 37  |  | 1.17  | (1-1.35) | 12  |
|  COPD | 1.01  | (0.97-1.05) | 10  |  | 1.01  | (0.96-1.07) | 7  |  | 1.12  | (0.98-1.28) | 12  |
|  Pneumonia | 1.03  | (0.98-1.08) | 31  |  | 1.04  | (0.98-1.1) | 24  |  | 1.09  | (0.93-1.27) | 8  |
| **Endocrine, nutritional and metabolic diseases** | **1.03**  | **(1.01-1.06)** | **98**  |  | **1.04**  | **(1-1.07)** | **68**  |  | **1.02**  | **(0.94-1.12)** | **7**  |
|  Diabetes mellitus | 1.03  | (1-1.06) | 80  |  | 1.03  | (1-1.07) | 57  |  | 1.01  | (0.92-1.12) | 4  |
| **Mental and behavioral disorders** | **1.05**  | **(1.01-1.09)** | **64**  |  | **1.06**  | **(1.01-1.11)** | **54**  |  | **1.04**  | **(0.91-1.18)** | **5**  |
|  Organic, including symptomatic, mental disorders | 1.04  | (0.99-1.09) | 35  |  | 1.05  | (0.99-1.12) | 30  |  | 1.05  | (0.88-1.24) | 4  |
|  PSU | 1.07  | (1-1.14) | 28  |  | 1.08  | (0.99-1.17) | 22  |  | 1.01  | (0.81-1.25) | 0  |
|  Schizophrenia | 1.01  | (0.85-1.2) | 1  |  | 1.04  | (0.86-1.27) | 2  |  | 1.11  | (0.72-1.73) | 1  |
|  Self-harm | 0.96  | (0.93-0.99) | -118  |  | 0.94  | (0.9-0.98) | -101  |  | 0.91  | (0.8-1.03) | -19  |
| **Diseases of the digestive system**  | **1.01**  | **(0.99-1.04)** | **59**  |  | **1.02**  | **(0.99-1.05)** | **44**  |  | **1.03**  | **(0.95-1.11)** | **10**  |
| **Diseases of the nervous system**  | **1.10**  | **(1.06-1.15)** | **109**  |  | **1.14**  | **(1.08-1.2)** | **93**  |  | **1.29**  | **(1.15-1.46)** | **30**  |
| **Diseases of the genitourinary system** | **1.06**  | **(1.02-1.11)** | **74**  |  | **1.08**  | **(1.03-1.13)** | **59**  |  | **1.23**  | **(1.09-1.39)** | **25**  |
| **Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism** | **1.03**  | **(0.92-1.14)** | **5**  |  | **1.05**  | **(0.92-1.19)** | **6**  |  | **1.12**  | **(0.81-1.53)** | **2**  |