S8 Table: Percent Change (%) and 95% Confidence Intervals for different definitions of heat waves in the two study periods (1997-2002 and 2004-2013).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   | **Nº DAYS** |  | **CARDIOVASCULAR DISEASES** |  | **CEREBROVASCULAR DISEASES** |  | **RESPIRATORY DISEASES** |
|   | **PERIOD 1** | **PERIOD 2** |  | **PERIOD 1** | **PERIOD 2** |  | **PERIOD 1** | **PERIOD 2** |  | **PERIOD 1** | **PERIOD 2** |
| ≥2 days + 90th percentile | 1,169 | 3,031 |  | -3 (-5,-1)\* | -2 (-3,-1)\* |  | -1 (-4,4) | 0 (-2,2) |  | 5 (3,8)\* | 5 (3,6)\* |
| ≥2 days + 92.5th percentile | 755 | 2,154 |  | -2 (-5,1) | -3 (-4,-1)\* |  | 1 (-4,6) | 0 (-2,2) |  | 7 (3,11)\* | 5 (3,7)\* |
| ≥2 days + 95th percentile | 403 | 1,245 |  | -1 (-5,3) | -2 (-4,-1)\* |  | 5 (-2,13) | 0 (-3,3) |  | 10 (4,16)\* | 4 (2,7)\* |
| ≥2 days + 97.5th percentile | 142 | 537 |  | -4 (-10,2) | -2 (-5,1) |  | 9 (-3,22) (b) | -1 (-6,4) |  | 12 (3,21)\* | 4 (1,7)\* |
| ≥3 days + 90th percentile | 481 | 1,514 |  | -3 (-6,1) | -2 (-3,0) |  | 2 (-4,9) | 0 (-3,2) |  | 12 (8,17)\* | 7 (5,9)\* |
| ≥3 days + 92.5th percentile | 281 | 968 |  | -3 (-8,2) | -2 (-4,0) |  | 3 (-6,13) | 1 (-2,4) |  | 15 (7,22)\* | 8 (4,11)\* |
| ≥3 days + 95th percentile | 138 | 470 |  | 2 (-4,9) | -1 (-4,1) |  | 3 (-10,17) | 4 (-1,9) |  | 19 (9,30)\* | 9 (4,14)\* |
| ≥3 days + 97.5th percentile | 51 | 165 |  | 5 (-10,23) | 3 (-8,14) |  | 16 (-9,47) | 15 (-8,44) |  | 22 (5,43)\* | 8 (-4,21) |
| ≥4 days + 90th percentile | 192 | 756 |  | -4 (-9,2) | -3 (-5,-1)\* |  | 4 (-5,14) | -1 (-5,4) |  | 17 (10,24)\* | 9 (5,12)\* |
| ≥4 days + 92.5th percentile | 101 | 427 |  | -1 (-9,8) (a) | -3 (-7,0) |  | 10 (-3,26) | 2 (-4,9) |  | 20 (10,31)\* | 11 (5,17)\* (c) |
| ≥4 days + 95th percentile | 50 | 161 |  | 4 (-10,21) | -4 (-13,5) |  | 3 (-21,33) | 0 (-16,19) |  | 38 (19,59)\* | 9 (-2,21) (d) |
| ≥4 days + 97.5th percentile | 21 | 47 |   | -12 (-40,27) | -11 (-33,20) |   | 7 (-37,82) | -9 (-68,163) |   | 29 (-6,77)\* | -1 (-26,34) |

Some provinces were excluded from the model due to a high variability and unstable results: (a) 1 province; (b) 1 province, (c) 1 province, (d) 1 province.

\*p-value<0.05