S6 Table: Percent Change (%) and 95% Confidence Intervals for the relationship between cold and heat and mortality in Spain for 1997-2004 (Period 1) and 2005-2013 (Period 2).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PERIOD 1 (1997-2004)** | |  |  | **PERIOD 2 (2005-2013)** | | |
|  | **COLD** | **HEAT** | **MHP** |  | **COLD** | **HEAT** | **MHP** |
| **Cardiovascular diseases** | |  |  |  |  |  |  |
| **Total** | **28 (21,35)\*** | **-5 (-8,-2)\*** | **85** |  | **44 (38,50)\*** | **- 11 (-14,-9)\*** | **90** |
| Sex |  |  |  |  |  |  |  |
| Women | 38 (28,48)\* | -8 (-12,-4)\* | 90 |  | 49 (42,57)\* | -13 (-16,-9)\* | 90 |
| Men | 23 (17,31)\* | 0 (-6,7) | 67 |  | 38 (31,45)\* | -11 (-14,-7)\* | 90 |
| Age |  |  |  |  |  |  |  |
| 16-64 | 19 (11,27)\* | 2 (-7,10) | 72 |  | 27 (19,36)\* | -7 (-13,-2)\* | 87 |
| 65-74(a) | 30 (19,42)\* | -8 (-13,-3)\* | 90 |  | 41 (30,54)\* | -13 (-19,-8)\* | 90 |
| 75-84(b) | 31 (20,43)\* | -7 (-13,0) | 77 |  | 50 (41,59)\* | -14 (-19,-10)\* | 90 |
| >=85(c) | 30 (19,43)\* | -6 (-17,6) | 63 |  | 58 (46,72)\* | -9 (-15,3) | 90 |
| **Cerebrovascular diseases** | |  |  |  |  |  |  |
| **Total** | **32 (23,42)\*** | **2 (-5,9)** | **75** |  | **38 (29,48)\*** | **-3 (-9,3)** | **90** |
| Sex |  |  |  |  |  |  |  |
| Women | 42 (25,62)\* | 9 (-1,19) | 90 |  | 47 (34,60)\* | -6 (-13,3) | 90 |
| Men | 25 (15,35)\* | -3 (-1,19) | 66 |  | 35 (22,49)\* | 0 (-9,9) | 71 |
| Age |  |  |  |  |  |  |  |
| 16-64 | 22 (7,40)\* | -2 (-15,11) | 72 |  | 12 (0,25)\* | 1 (-11,15) | 68 |
| 65-74(d) | 23 (8,39)\* | -3 (-14,10) | 81 |  | 39 (20,62)\* | -8 (-18,2) | 90 |
| 75-84 | 41 (28,55)\* | 6 (-5,18) | 69 |  | 47 (33,62)\* | -5 (-13,4) | 80 |
| >=85(e) | 31 (8,58)\* | 3 (-3,22) | 90 |  | 45 (28,65)\* | -9 (-19,3) | 86 |
| **Respiratory diseases** | |  |  |  |  |  |  |
| **Total(f)** | **48 (39,57)\*** | **12 (4,19)\*** | **48** |  | **48 (39,56)\*** | **5 (1,10)\*** | **82** |
| Sex |  |  |  |  |  |  |  |
| Women | 48 (35,63)\* | 13 (3,25)\* | 43 |  | 50 (39,62)\* | 9 (2,17)\* | 76 |
| Men | 48 (36,61)\* | 10 (4,17)\* | 89 |  | 46  (39,55)\* | 3 (-2,8) | 87 |
| Age |  |  |  |  |  |  |  |
| 16-64 | 48 (30,68)\* | 6 (-3,16) | 90 |  | 56 (44,68)\* | -3 (-10,6) | 84 |
| 65-74(g) | 60 (42,79)\* | 9 (-1,19) | 90 |  | 54 (40,70)\* | 3 (-4,12) | 84 |
| 75-84(h) | 59 (42,78)\* | 18 (9,28)\* | 90 |  | 50 (38,62)\* | 8 (1,15)\* | 90 |
| >=85 | 64 (47,84)\* | 40 (21,61)\* | 43 |  | 57 (44,71)\* | 20 (10,31)\* | 77 |

MHP: Minimum Hospitalizations Percentile

Models for respiratory diseases were not control for influenza epidemics. Some provinces were excluded from the model due to convergence problems. (a) 1 province; (b) 1 province; (c) 1 province; (d) 4 provinces; (e) 1 province; (f) 1 province; (g) 4 provinces; (h) 1 province

\*p-value<0.05