Supplementary Table 4: Joinpoint regression of regional mortality trends (LAU level)

| Country | Sex | CauseCategory | Breakpoint 1 (95% CI) | Breakpoint 2 (95% CI) | Breakpoint 3 (95% CI) | AAPC 1 (%) (95% CI) | AAPC 2 (%) (95% CI) | AAPC 3 (%) (95% CI) | AAPC 4 (%) (95% CI) | AAPC Total (%) (95% CI) | Cumulative change (%) (95% CI) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EST | Men | All | - | - | - | - | - | - | - | -2.4\* (-2.6, -2.3) | -37.5\* (-39.4, -35.6) |
| EST | Men | Cancer | 2005 (2000.6, 2008.6) | - | - | 0.8 (-0.3, 2.0) | 0.0 (-0.2, 0.3) | - | - | 0.2\* (0.0, 0.5) | 4.2\* (0.4, 8.2) |
| EST | Men | Cardiovascular | 2006 (2003.4, 2007.9) | - | - | -1.5 (-3.1, 0.1) | -4.1\* (-4.7, -3.5) | - | - | -3.2\* (-3.6, -2.8) | -42.8\* (-46.6, -38.6) |
| EST | Men | External | - | - | - | - | - | - | - | -5.3\* (-5.6, -5.0) | -60.4\* (-62.7, -58.0) |
| EST | Men | Other | 2005 (2003.6, 2007.0) | 2012 (2010.1, 2013.2) | - | 0.6 (-2.1, 3.4) | -5.8\* (-8.0, -3.5) | 2.1 (-1.1, 5.5) | - | -1.3\* (-2.2, -0.5) | -20.6\* (-31.2, -8.4) |
| EST | Women | All | 2016 (2004.3, 2027.6) | - | - | -2.6\* (-2.8, -2.4) | -2.2\* (-4.3, -0.2) | - | - | -2.5\* (-2.8, -2.3) | -38.6\* (-41.5, -35.6) |
| EST | Women | Cancer | 2008 (1997.5, 2018.6) | - | - | -0.0 (-0.5, 0.4) | -0.2 (-0.7, 0.2) | - | - | -0.1 (-0.3, 0.1) | -2.3 (-5.7, 1.2) |
| EST | Women | Cardiovascular | 2008 (2004.6, 2010.4) | - | - | -2.9\* (-3.4, -2.3) | -3.9\* (-4.3, -3.5) | - | - | -3.4\* (-3.6, -3.2) | -44.7\* (-46.8, -42.6) |
| EST | Women | External | - | - | - | - | - | - | - | -5.6\* (-6.0, -5.2) | -62.4\* (-65.0, -59.7) |
| EST | Women | Other | 2006 (2004.1, 2007.4) | 2012 (2011.2, 2013.8) | - | -1.1 (-3.2, 1.0) | -6.2\* (-7.6, -4.8) | 1.7 (-1.9, 5.4) | - | -2.5\* (-3.2, -1.8) | -34.6\* (-42.2, -26.0) |
| LTU | Men | All | 2014 (2008.2, 2020.7) | - | - | -0.9 (-1.9, 0.0) | -1.4\* (-2.4, -0.5) | - | - | -1.2\* (-1.6, -0.7) | -10.2\* (-13.8, -6.5) |
| LTU | Men | Cancer | 2016 (2009.3, 2022.2) | - | - | 1.0 (-0.1, 2.1) | 0.3 (-1.8, 2.4) | - | - | 0.8\* (0.1, 1.4) | 7.0\* (0.7, 13.6) |
| LTU | Men | Cardiovascular | 2012 (2002.7, 2021.6) | - | - | -1.4 (-4.6, 1.9) | -1.9\* (-2.7, -1.2) | - | - | -1.8\* (-2.4, -1.2) | -15.3\* (-20.0, -10.3) |
| LTU | Men | External | 2012 (2001.3, 2023.2) | 2014 (2006.0, 2022.7) | 2017 (2006.0, 2027.4) | -4.2 (-9.8, 1.8) | -3.0 (-10.4, 5.1) | -4.5 (-12.7, 4.5) | -3.1 (-9.6, 3.8) | -3.7\* (-5.1, -2.3) | -28.9\* (-37.8, -18.6) |
| LTU | Men | Other | 2013 (2004.7, 2020.4) | - | - | 0.8 (-3.6, 5.3) | 1.7\* (0.7, 2.7) | - | - | 1.4\* (0.6, 2.3) | 13.8\* (5.4, 23.0) |
| LTU | Women | All | - | - | - | - | - | - | - | -0.9\* (-1.2, -0.7) | -8.1\* (-10.4, -5.8) |
| LTU | Women | Cancer | - | - | - | - | - | - | - | 1.0\* (0.7, 1.4) | 9.5\* (6.1, 12.9) |
| LTU | Women | Cardiovascular | 2014 (2001.9, 2027.0) | - | - | -1.8\* (-3.0, -0.6) | -2.1\* (-3.3, -0.9) | - | - | -1.9\* (-2.5, -1.4) | -16.2\* (-20.5, -11.8) |
| LTU | Women | External | 2013 (2010.8, 2015.3) | - | - | 3.0 (-4.9, 11.7) | -4.1\* (-8.0, -0.1) | - | - | -1.8 (-4.4, 0.9) | -14.8 (-33.1, 8.4) |
| LTU | Women | Other | 2013 (2004.0, 2022.4) | - | - | 3.3\* (0.2, 6.4) | 2.6\* (1.2, 3.9) | - | - | 2.8\* (1.9, 3.8) | 28.5\* (18.4, 39.3) |
| SVK | Men | All | 2004 (1993.1, 2015.5) | - | - | -1.6\* (-2.5, -0.8) | -1.9\* (-2.0, -1.7) | - | - | -1.8\* (-1.9, -1.7) | -29.2\* (-31.0, -27.4) |
| SVK | Men | Cancer | - | - | - | - | - | - | - | -0.7\* (-0.7, -0.6) | -11.9\* (-13.2, -10.6) |
| SVK | Men | Cardiovascular | 2005 (2002.0, 2008.9) | - | - | -2.1\* (-3.0, -1.3) | -3.0\* (-3.1, -2.8) | - | - | -2.7\* (-2.9, -2.6) | -40.8\* (-42.7, -38.8) |
| SVK | Men | External | - | - | - | - | - | - | - | -1.5\* (-1.6, -1.3) | -24.4\* (-26.7, -22.0) |
| SVK | Men | Other | 2012 (1998.3, 2024.7) | - | - | -0.2 (-0.5, 0.1) | -0.0 (-0.5, 0.5) | - | - | -0.1 (-0.3, 0.1) | -2.2 (-5.4, 1.0) |
| SVK | Women | All | - | - | - | - | - | - | - | -1.6\* (-1.7, -1.6) | -26.9\* (-27.8, -25.9) |
| SVK | Women | Cancer | 2006 (1990.3, 2022.4) | - | - | 0.0 (-0.5, 0.5) | 0.1 (-0.0, 0.3) | - | - | 0.1 (-0.0, 0.2) | 1.9 (-0.6, 4.3) |
| SVK | Women | Cardiovascular | 2005 (2002.5, 2008.3) | - | - | -2.1\* (-2.9, -1.3) | -3.0\* (-3.2, -2.8) | - | - | -2.7\* (-2.9, -2.6) | -41.0\* (-42.9, -39.1) |
| SVK | Women | External | 2015 (2008.8, 2020.9) | - | - | -0.0 (-0.6, 0.5) | 1.4 (-2.0, 4.8) | - | - | 0.3 (-0.3, 0.8) | 5.2 (-5.4, 16.9) |
| SVK | Women | Other | 2005 (1991.3, 2018.0) | - | - | 0.2 (-1.2, 1.7) | 0.5\* (0.3, 0.8) | - | - | 0.4\* (0.2, 0.7) | 8.9\* (4.2, 13.8) |