Supplementary Table 7: Joinpoint regression of standard deviation 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 | 2005 (2004.3, 2005.2) | 2009 (2008.0, 2009.3) | 2014 (2013.8, 2014.5) | -4.8\* (-5.0, -4.6) | -3.1\* (-3.3, -2.9) | -2.0\* (-2.1, -1.9) | 0.2 (-0.0, 0.4) | -2.4\* (-2.4, -2.3) | -36.7\* (-37.1, -36.3) |
| EST | Men | Cancer | 2008 (2007.0, 2009.4) | - | - | -8.2\* (-10.3, -6.0) | 6.0\* (3.7, 8.3) | - | - | -1.1\* (-2.0, -0.1) | -16.7\* (-29.1, -2.2) |
| EST | Men | Cardiovascular | 2003 (2001.6, 2005.2) | 2011 (2009.2, 2012.8) | 2013 (2012.8, 2013.8) | -6.7\* (-8.7, -4.7) | -3.3\* (-4.1, -2.5) | -12.2\* (-19.1, -4.6) | 6.5\* (4.0, 9.2) | -3.2\* (-3.6, -2.9) | -43.0\* (-46.5, -39.2) |
| EST | Men | External | 2008 (2007.5, 2009.2) | 2014 (2012.8, 2014.5) | - | -7.4\* (-7.7, -7.0) | -2.8\* (-4.0, -1.6) | 6.2\* (3.3, 9.2) | - | -3.4\* (-3.7, -3.1) | -44.6\* (-47.8, -41.2) |
| EST | Men | Other | 2007 (2005.6, 2007.9) | 2009 (2007.3, 2010.3) | - | -3.0\* (-4.9, -1.0) | -18.4\* (-30.9, -3.6) | -1.6 (-3.7, 0.6) | - | -4.3\* (-5.2, -3.5) | -53.0\* (-59.3, -45.8) |
| EST | Women | All | 2003 (2002.5, 2003.1) | 2007 (2006.8, 2008.0) | 2010 (2009.9, 2010.5) | -3.2\* (-3.4, -2.9) | -1.5\* (-1.6, -1.5) | -0.8\* (-1.0, -0.7) | 0.3\* (0.2, 0.3) | -0.8\* (-0.9, -0.8) | -15.0\* (-15.3, -14.6) |
| EST | Women | Cancer | 2004 (2003.6, 2004.7) | 2008 (2007.9, 2009.1) | 2014 (2013.0, 2014.0) | -7.8\* (-8.3, -7.3) | -3.9\* (-4.5, -3.2) | 0.3 (-0.4, 0.9) | 9.2\* (7.8, 10.6) | -1.1\* (-1.3, -0.9) | -17.0\* (-19.3, -14.6) |
| EST | Women | Cardiovascular | 2008 (2007.0, 2008.7) | - | - | -7.3\* (-8.1, -6.6) | -1.2\* (-1.8, -0.5) | - | - | -4.0\* (-4.3, -3.8) | -50.4\* (-52.9, -47.9) |
| EST | Women | External | 2004 (2004.1, 2005.0) | 2008 (2007.8, 2008.8) | 2012 (2011.2, 2013.0) | -9.8\* (-10.1, -9.5) | -6.8\* (-7.2, -6.4) | -2.7\* (-3.3, -2.1) | 0.2 (-0.4, 0.9) | -4.7\* (-4.8, -4.6) | -56.2\* (-57.0, -55.4) |
| EST | Women | Other | 2004 (2003.8, 2005.0) | 2009 (2008.0, 2010.4) | 2014 (2013.7, 2015.3) | -6.3\* (-7.4, -5.2) | -15.6\* (-17.0, -14.2) | -7.3\* (-10.4, -4.1) | 23.1\* (11.3, 36.2) | -5.6\* (-6.4, -4.9) | -62.7\* (-67.4, -57.2) |
| LTU | Men | All | 2013 (2012.4, 2013.9) | 2016 (2014.8, 2016.6) | - | -5.4\* (-6.7, -4.1) | -0.6 (-3.2, 2.1) | 6.5\* (5.6, 7.3) | - | 0.7\* (0.3, 1.1) | 6.7\* (2.9, 10.7) |
| LTU | Men | Cancer | 2013 (2012.8, 2013.9) | 2016 (2015.2, 2017.4) | - | -5.1\* (-6.4, -3.7) | 4.9\* (3.5, 6.3) | 9.0\* (7.6, 10.5) | - | 2.2\* (1.8, 2.7) | 22.1\* (17.8, 26.6) |
| LTU | Men | Cardiovascular | 2013 (2012.4, 2013.9) | 2016 (2014.7, 2016.7) | - | -5.4\* (-6.3, -4.4) | -1.1 (-3.5, 1.4) | 5.8\* (4.9, 6.6) | - | 0.4\* (0.1, 0.7) | 3.9\* (1.0, 6.8) |
| LTU | Men | External | 2012 (2012.0, 2013.1) | 2015 (2014.7, 2016.1) | - | -8.9\* (-10.2, -7.6) | -2.3\* (-3.4, -1.2) | 3.6\* (2.5, 4.8) | - | -1.9\* (-2.3, -1.6) | -16.0\* (-18.7, -13.2) |
| LTU | Men | Other | 2012 (2011.4, 2013.6) | 2014 (2013.5, 2015.4) | 2017 (2015.4, 2017.8) | -2.9\* (-3.7, -2.1) | 1.0 (-0.2, 2.3) | 5.3\* (4.2, 6.5) | 8.7\* (7.9, 9.4) | 2.9\* (2.8, 3.1) | 29.7\* (27.7, 31.7) |
| LTU | Women | All | 2012 (2011.7, 2013.1) | 2014 (2013.9, 2015.1) | 2017 (2016.2, 2017.0) | -10.3\* (-11.0, -9.6) | -5.3\* (-6.3, -4.4) | -0.5 (-1.3, 0.3) | 6.0\* (5.4, 6.6) | -2.7\* (-2.9, -2.5) | -21.8\* (-22.9, -20.6) |
| LTU | Women | Cancer | 2013 (2013.0, 2013.7) | 2016 (2014.8, 2016.1) | - | -8.9\* (-10.2, -7.5) | 6.1\* (3.6, 8.6) | 14.1\* (12.9, 15.3) | - | 3.1\* (2.6, 3.6) | 31.7\* (26.4, 37.3) |
| LTU | Women | Cardiovascular | 2012 (2011.2, 2013.3) | 2014 (2013.4, 2015.6) | 2017 (2014.8, 2018.4) | -6.5\* (-7.3, -5.8) | -2.8\* (-3.9, -1.7) | 0.8 (-0.5, 2.0) | 3.4\* (2.4, 4.4) | -1.3\* (-1.5, -1.1) | -11.4\* (-13.0, -9.7) |
| LTU | Women | External | 2012 (2010.4, 2014.2) | 2014 (2011.5, 2017.6) | 2017 (2013.0, 2020.2) | -6.0\* (-6.7, -5.2) | -2.6\* (-4.7, -0.5) | 0.2 (-2.6, 3.1) | 3.0\* (1.2, 4.9) | -1.4\* (-1.7, -1.1) | -11.7\* (-14.0, -9.4) |
| LTU | Women | Other | 2014 (2014.0, 2014.9) | 2017 (2015.9, 2017.2) | - | -16.4\* (-17.9, -14.8) | -3.2 (-6.7, 0.4) | 9.6\* (7.7, 11.5) | - | -6.8\* (-7.6, -6.1) | -47.1\* (-50.7, -43.2) |
| SVK | Men | All | 2003 (2002.9, 2003.9) | 2008 (2007.8, 2009.0) | 2014 (2013.6, 2015.1) | -2.7\* (-3.0, -2.5) | -1.3\* (-1.4, -1.2) | -0.4\* (-0.5, -0.3) | 0.5\* (0.3, 0.7) | -0.8\* (-0.9, -0.8) | -14.7\* (-15.3, -14.1) |
| SVK | Men | Cancer | 2006 (2004.9, 2006.2) | 2009 (2008.8, 2009.8) | 2013 (2012.8, 2014.0) | -2.9\* (-3.2, -2.7) | -1.0\* (-1.4, -0.7) | 1.2\* (0.9, 1.6) | 3.4\* (3.1, 3.6) | 0.2\* (0.1, 0.2) | 3.5\* (2.2, 4.7) |
| SVK | Men | Cardiovascular | 2002 (2002.2, 2002.7) | 2011 (2010.6, 2012.1) | 2016 (2014.4, 2017.0) | -4.0\* (-4.3, -3.7) | -1.3\* (-1.3, -1.2) | -0.5\* (-0.8, -0.3) | 0.2 (-0.1, 0.5) | -1.2\* (-1.3, -1.2) | -21.0\* (-21.6, -20.4) |
| SVK | Men | External | 2005 (2004.0, 2005.5) | 2010 (2009.1, 2010.2) | 2014 (2013.6, 2014.9) | -4.1\* (-4.5, -3.8) | -2.3\* (-2.6, -2.0) | -0.2 (-0.5, 0.1) | 2.2\* (1.8, 2.6) | -1.2\* (-1.2, -1.1) | -19.8\* (-20.9, -18.6) |
| SVK | Men | Other | 2006 (2005.0, 2006.7) | 2011 (2010.3, 2011.1) | 2015 (2014.5, 2016.0) | -3.6\* (-3.9, -3.4) | -2.0\* (-2.3, -1.7) | 1.1\* (0.8, 1.4) | 3.5\* (2.9, 4.0) | -0.7\* (-0.8, -0.6) | -12.6\* (-13.9, -11.4) |
| SVK | Women | All | 2003 (2002.9, 2003.8) | 2008 (2007.0, 2008.1) | 2014 (2013.9, 2015.1) | -3.1\* (-3.4, -2.9) | -1.3\* (-1.5, -1.1) | -0.3\* (-0.4, -0.2) | 0.9\* (0.7, 1.1) | -0.7\* (-0.8, -0.7) | -13.0\* (-13.7, -12.3) |
| SVK | Women | Cancer | 2007 (2006.2, 2007.0) | 2010 (2010.1, 2010.9) | 2014 (2013.9, 2015.0) | -3.8\* (-4.0, -3.6) | -1.1\* (-1.5, -0.8) | 1.7\* (1.4, 2.1) | 4.3\* (4.0, 4.7) | -0.2\* (-0.3, -0.2) | -4.0\* (-5.0, -2.9) |
| SVK | Women | Cardiovascular | 2002 (2002.2, 2002.7) | 2004 (2004.0, 2005.0) | 2016 (2015.0, 2016.3) | -5.3\* (-5.6, -5.0) | -2.4\* (-2.9, -1.9) | -1.1\* (-1.1, -1.0) | -0.2 (-0.5, 0.0) | -1.6\* (-1.6, -1.6) | -26.6\* (-27.0, -26.1) |
| SVK | Women | External | 2004 (2003.1, 2004.2) | 2008 (2007.9, 2009.0) | 2013 (2012.6, 2014.1) | -11.6\* (-12.8, -10.4) | -5.1\* (-5.8, -4.5) | 0.4 (-0.3, 1.1) | 6.3\* (5.2, 7.4) | -1.8\* (-2.0, -1.5) | -28.7\* (-32.0, -25.2) |
| SVK | Women | Other | 2006 (2004.8, 2006.4) | 2011 (2010.2, 2011.1) | 2015 (2014.9, 2015.7) | -1.9\* (-2.2, -1.7) | -0.4\* (-0.7, -0.2) | 1.6\* (1.4, 1.9) | 5.0\* (4.6, 5.5) | 0.7\* (0.6, 0.7) | 13.6\* (12.1, 15.1) |