Supplementary Table 6: Joinpoint regression of trends coefficient of variation trends

| 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CZE | Men | All | 2007 (2006.0, 2007.2) | 2016 (2015.0, 2016.6) | - | 0.0 (-0.0, 0.1) | 0.7\* (0.7, 0.7) | 1.2\* (1.1, 1.4) | - | 0.6\* (0.5, 0.6) | 11.2\* (10.7, 11.7) |
| CZE | Men | Cancer | 2003 (2002.1, 2003.7) | 2006 (2005.7, 2006.9) | 2014 (2010.3, 2016.8) | -6.0\* (-6.6, -5.4) | -3.9\* (-4.2, -3.5) | -2.1\* (-2.2, -1.9) | -2.5\* (-2.7, -2.2) | -3.1\* (-3.2, -3.0) | -45.2\* (-45.9, -44.4) |
| CZE | Men | Cardiovascular | 2005 (2004.2, 2005.2) | 2010 (2008.8, 2010.5) | - | 5.3\* (4.4, 6.2) | -0.9\* (-1.5, -0.4) | 1.7\* (1.4, 1.9) | - | 1.8\* (1.7, 2.0) | 41.4\* (37.8, 45.2) |
| CZE | Men | External | 2002 (2001.2, 2003.6) | 2008 (2007.8, 2009.0) | 2014 (2013.6, 2015.0) | -0.7 (-1.5, 0.0) | 0.5\* (0.3, 0.6) | 1.7\* (1.5, 1.8) | 3.0\* (2.7, 3.2) | 1.3\* (1.2, 1.4) | 27.8\* (26.3, 29.3) |
| CZE | Men | Other | 2008 (2007.8, 2009.0) | 2012 (2011.2, 2011.9) | 2016 (2014.5, 2016.6) | -9.8\* (-10.0, -9.6) | -5.5\* (-6.8, -4.2) | 4.9\* (4.0, 5.8) | 1.8\* (0.8, 2.9) | -4.1\* (-4.2, -4.0) | -54.7\* (-55.8, -53.7) |
| CZE | Women | All | 2004 (2003.1, 2004.0) | 2011 (2010.8, 2011.9) | - | -0.4 (-0.8, 0.1) | 2.0\* (1.9, 2.1) | 0.9\* (0.8, 1.0) | - | 1.1\* (1.0, 1.2) | 23.1\* (21.9, 24.4) |
| CZE | Women | Cancer | 2008 (2007.8, 2008.8) | 2013 (2011.9, 2013.5) | - | -2.0\* (-2.1, -1.9) | -0.3\* (-0.6, -0.0) | 1.0\* (0.8, 1.1) | - | -0.6\* (-0.7, -0.6) | -11.1\* (-11.9, -10.4) |
| CZE | Women | Cardiovascular | 2005 (2002.5, 2007.2) | 2010 (2007.9, 2011.1) | 2014 (2013.2, 2015.2) | 3.1\* (2.0, 4.2) | 1.4\* (0.6, 2.1) | 3.2\* (2.6, 3.9) | 0.1 (-0.7, 1.0) | 1.9\* (1.7, 2.1) | 44.2\* (38.8, 49.8) |
| CZE | Women | External | 2009 (2007.8, 2009.5) | 2015 (2014.9, 2015.8) | - | 1.3\* (0.8, 1.7) | -2.1\* (-2.6, -1.6) | 8.5\* (6.8, 10.4) | - | 1.4\* (1.2, 1.6) | 30.4\* (25.0, 35.9) |
| CZE | Women | Other | 2008 (2006.7, 2008.5) | 2012 (2012.0, 2012.9) | - | -6.6\* (-7.0, -6.2) | -3.3\* (-4.1, -2.6) | 3.0\* (2.5, 3.5) | - | -2.5\* (-2.7, -2.4) | -38.7\* (-40.3, -37.2) |
| EST | Men | All | 2004 (2003.2, 2004.4) | 2008 (2007.3, 2008.0) | 2012 (2011.9, 2013.2) | -3.0\* (-3.2, -2.7) | -1.3\* (-1.5, -1.0) | 1.3\* (1.1, 1.5) | 0.3\* (0.2, 0.4) | -0.4\* (-0.5, -0.4) | -7.8\* (-8.5, -7.1) |
| EST | Men | Cancer | 2007 (2006.8, 2007.8) | 2012 (2011.8, 2012.7) | - | -3.8\* (-5.0, -2.6) | 14.0\* (12.1, 16.1) | -2.5\* (-4.3, -0.8) | - | 1.4\* (0.9, 1.8) | 26.1\* (17.1, 35.8) |
| EST | Men | Cardiovascular | 2005 (2004.4, 2004.9) | 2008 (2008.0, 2009.1) | 2015 (2014.3, 2014.8) | -2.8\* (-3.2, -2.4) | 3.6\* (3.2, 4.0) | 6.1\* (5.9, 6.3) | 0.1 (-0.6, 0.9) | 2.2\* (2.1, 2.3) | 44.1\* (41.9, 46.3) |
| EST | Men | External | - | - | - | - | - | - | - | -3.6\* (-4.5, -2.7) | -46.4\* (-54.0, -37.6) |
| EST | Men | Other | 2008 (2005.7, 2009.3) | - | - | -9.6\* (-11.8, -7.4) | -0.9 (-3.2, 1.4) | - | - | -4.9\* (-5.9, -3.8) | -57.1\* (-64.2, -48.5) |
| EST | Women | All | 2006 (2005.4, 2006.1) | 2011 (2009.6, 2011.8) | - | -1.4\* (-1.4, -1.3) | -0.3\* (-0.4, -0.2) | -0.6\* (-0.7, -0.6) | - | -0.8\* (-0.8, -0.7) | -13.4\* (-13.7, -13.0) |
| EST | Women | Cancer | 2009 (2008.7, 2010.1) | - | - | -5.5\* (-5.7, -5.3) | -8.5\* (-9.0, -7.9) | - | - | -6.9\* (-7.0, -6.7) | -70.1\* (-71.1, -69.0) |
| EST | Women | Cardiovascular | 2005 (2004.2, 2005.2) | 2010 (2009.9, 2011.0) | - | -17.8\* (-21.2, -14.2) | 24.3\* (20.6, 28.0) | -0.6 (-2.6, 1.4) | - | 1.6\* (0.9, 2.4) | 32.1\* (16.6, 49.6) |
| EST | Women | External | 2004 (2003.3, 2004.6) | 2008 (2008.3, 2008.8) | 2013 (2011.4, 2014.2) | -2.6\* (-2.9, -2.4) | -1.4\* (-1.6, -1.3) | 1.5\* (1.3, 1.8) | 2.3\* (2.0, 2.6) | -0.1\* (-0.1, -0.0) | -1.0\* (-1.9, -0.1) |
| EST | Women | Other | 2002 (2001.8, 2002.7) | 2006 (2003.8, 2008.8) | 2015 (2013.5, 2015.7) | 4.6\* (1.2, 8.1) | -9.6\* (-11.1, -8.1) | -7.4\* (-8.3, -6.5) | 6.5 (-3.1, 16.9) | -4.6\* (-5.4, -3.8) | -54.9\* (-61.1, -47.8) |
| LTU | Men | All | 2015 (2014.4, 2014.9) | - | - | 1.0\* (0.5, 1.6) | 10.2\* (9.7, 10.7) | - | - | 5.4\* (5.1, 5.6) | 60.0\* (56.6, 63.5) |
| LTU | Men | Cancer | 2014 (2013.3, 2013.8) | - | - | -14.2\* (-16.1, -12.2) | 19.6\* (18.2, 21.0) | - | - | 4.9\* (4.3, 5.6) | 54.2\* (46.0, 62.8) |
| LTU | Men | Cardiovascular | 2013 (2012.9, 2013.8) | 2016 (2015.0, 2017.2) | - | -5.5\* (-6.9, -4.0) | 8.0\* (6.2, 9.8) | 14.4\* (12.2, 16.5) | - | 4.6\* (4.1, 5.1) | 50.2\* (44.0, 56.7) |
| LTU | Men | External | 2016 (2015.9, 2017.0) | - | - | -7.1\* (-7.5, -6.8) | 1.4 (-0.9, 3.6) | - | - | -4.8\* (-5.2, -4.5) | -35.9\* (-38.1, -33.7) |
| LTU | Men | Other | 2013 (2012.7, 2013.8) | 2016 (2014.6, 2017.7) | - | -3.0\* (-3.7, -2.4) | 2.0\* (1.2, 2.7) | 3.9\* (2.9, 4.9) | - | 0.7\* (0.5, 1.0) | 6.7\* (4.6, 8.9) |
| LTU | Women | All | 2014 (2012.7, 2014.4) | 2016 (2015.5, 2017.2) | - | -8.4\* (-10.0, -6.8) | 1.1 (-1.6, 3.9) | 12.3\* (9.3, 15.4) | - | 0.4 (-0.2, 0.9) | 3.3 (-1.7, 8.5) |
| LTU | Women | Cancer | 2012 (2011.8, 2012.7) | 2015 (2014.1, 2015.1) | 2017 (2013.8, 2020.0) | -10.3\* (-11.0, -9.7) | -0.8 (-1.9, 0.3) | 6.2\* (5.2, 7.2) | 7.4\* (6.7, 8.1) | 0.2\* (0.1, 0.4) | 2.2\* (0.8, 3.7) |
| LTU | Women | Cardiovascular | 2014 (2012.9, 2014.2) | 2016 (2015.9, 2016.8) | - | -3.7\* (-4.5, -2.9) | 1.0\* (0.1, 1.9) | 7.6\* (6.6, 8.7) | - | 1.0\* (0.8, 1.3) | 9.5\* (7.0, 12.0) |
| LTU | Women | External | 2013 (2012.1, 2014.3) | 2016 (2015.1, 2016.3) | - | -9.2\* (-10.5, -7.8) | 2.1 (-1.7, 6.0) | 9.5\* (8.1, 10.9) | - | -0.8\* (-1.3, -0.3) | -6.9\* (-10.8, -2.8) |
| LTU | Women | Other | 2013 (2012.7, 2014.0) | 2017 (2016.0, 2017.1) | - | -5.4\* (-5.8, -5.0) | -2.6\* (-3.2, -2.1) | 1.2\* (0.4, 1.9) | - | -2.7\* (-2.8, -2.5) | -21.7\* (-22.7, -20.6) |
| POL | Men | All | 2013 (2011.5, 2014.1) | 2017 (2015.4, 2018.3) | - | 0.3\* (0.1, 0.4) | -0.3\* (-0.6, -0.1) | 0.4 (-0.1, 1.0) | - | 0.1\* (0.0, 0.2) | 1.2\* (0.2, 2.3) |
| POL | Men | Cancer | 2009 (2008.5, 2010.0) | 2013 (2011.5, 2014.0) | 2017 (2015.9, 2017.2) | -4.1\* (-4.7, -3.5) | -1.3\* (-2.0, -0.7) | 0.1 (-0.3, 0.5) | 3.3\* (2.4, 4.2) | -0.8\* (-0.9, -0.7) | -9.9\* (-11.4, -8.3) |
| POL | Men | Cardiovascular | 2016 (2015.3, 2016.2) | - | - | -0.8\* (-1.0, -0.5) | 5.7\* (4.5, 6.9) | - | - | 0.8\* (0.6, 1.0) | 10.5\* (7.5, 13.6) |
| POL | Men | External | 2008 (2007.0, 2009.2) | 2012 (2010.4, 2013.8) | - | 0.7\* (0.0, 1.4) | 2.0\* (1.7, 2.4) | 1.5\* (1.3, 1.6) | - | 1.5\* (1.4, 1.6) | 21.9\* (20.4, 23.3) |
| POL | Men | Other | 2009 (2008.3, 2009.1) | 2016 (2016.0, 2016.8) | - | -6.8\* (-8.2, -5.3) | 1.1\* (0.8, 1.3) | 7.6\* (6.4, 8.9) | - | 0.7\* (0.4, 0.9) | 9.0\* (6.0, 12.2) |
| POL | Women | All | 2008 (2007.6, 2008.6) | 2012 (2011.4, 2012.7) | 2016 (2015.9, 2017.0) | -0.7\* (-1.3, -0.1) | 1.6\* (1.3, 1.8) | 0.2\* (0.0, 0.5) | 2.4\* (1.9, 2.8) | 0.9\* (0.8, 1.0) | 12.2\* (11.0, 13.4) |
| POL | Women | Cancer | 2009 (2008.8, 2009.8) | 2013 (2011.7, 2013.9) | 2016 (2015.8, 2017.2) | -3.9\* (-4.4, -3.3) | -0.7\* (-1.2, -0.1) | 0.8\* (0.4, 1.1) | 3.5\* (2.7, 4.3) | -0.3\* (-0.4, -0.2) | -3.8\* (-5.5, -2.2) |
| POL | Women | Cardiovascular | 2014 (2013.0, 2014.3) | 2016 (2016.2, 2016.8) | - | -1.7\* (-1.9, -1.4) | 1.3\* (0.5, 2.2) | 8.5\* (7.6, 9.4) | - | 0.9\* (0.8, 1.0) | 12.0\* (10.3, 13.7) |
| POL | Women | External | 2009 (2008.8, 2010.0) | 2012 (2011.9, 2013.1) | 2016 (2014.9, 2016.1) | -5.4\* (-5.9, -5.0) | -2.7\* (-3.3, -2.1) | 0.6 (-0.1, 1.3) | 4.4\* (3.8, 5.0) | -0.8\* (-0.9, -0.7) | -10.2\* (-11.6, -8.8) |
| POL | Women | Other | 2009 (2008.8, 2009.7) | 2016 (2016.0, 2016.8) | - | -4.8\* (-5.8, -3.8) | 1.6\* (1.3, 1.9) | 9.3\* (7.7, 10.9) | - | 1.5\* (1.2, 1.7) | 20.7\* (16.9, 24.5) |
| ROU | Men | All | 2002 (2001.6, 2002.7) | 2009 (2009.0, 2009.7) | 2013 (2013.0, 2013.8) | -1.3\* (-2.0, -0.7) | 0.7\* (0.6, 0.8) | 3.2\* (3.0, 3.5) | 4.8\* (4.7, 4.9) | 2.2\* (2.2, 2.3) | 51.6\* (50.1, 53.2) |
| ROU | Men | Cancer | 2008 (2007.0, 2008.5) | - | - | -2.1\* (-2.4, -1.8) | 0.5\* (0.3, 0.7) | - | - | -0.6\* (-0.7, -0.5) | -10.5\* (-12.3, -8.8) |
| ROU | Men | Cardiovascular | 2012 (2011.8, 2013.1) | 2017 (2016.2, 2017.0) | - | 0.5\* (0.5, 0.6) | 1.9\* (1.6, 2.2) | 5.1\* (4.4, 5.7) | - | 1.4\* (1.3, 1.5) | 30.3\* (29.0, 31.7) |
| ROU | Men | Other | 2006 (2005.6, 2006.8) | 2013 (2012.4, 2012.8) | 2016 (2015.2, 2015.9) | -0.8\* (-0.9, -0.6) | -2.4\* (-2.5, -2.2) | 2.1\* (1.6, 2.5) | 5.5\* (5.1, 5.8) | 0.2\* (0.2, 0.3) | 4.4\* (3.4, 5.4) |
| ROU | Women | All | 2003 (2002.5, 2003.9) | 2010 (2010.0, 2011.0) | 2014 (2014.2, 2014.8) | 1.3\* (1.0, 1.7) | 0.2\* (0.1, 0.3) | 1.5\* (1.3, 1.7) | 4.0\* (3.9, 4.2) | 1.5\* (1.5, 1.6) | 33.7\* (32.5, 34.9) |
| ROU | Women | Cancer | 2006 (2005.0, 2006.1) | - | - | -1.1\* (-1.2, -0.9) | 0.2\* (0.1, 0.2) | - | - | -0.2\* (-0.2, -0.1) | -3.4\* (-4.2, -2.7) |
| ROU | Women | Cardiovascular | 2002 (2002.0, 2002.6) | 2009 (2008.5, 2010.2) | 2017 (2016.2, 2017.0) | -3.1\* (-3.8, -2.4) | 1.3\* (1.1, 1.4) | 0.4\* (0.3, 0.5) | 3.8\* (3.0, 4.5) | 0.7\* (0.6, 0.8) | 14.3\* (12.6, 16.1) |
| ROU | Women | Other | 2012 (2011.1, 2012.0) | 2014 (2013.2, 2014.2) | - | -2.9\* (-3.0, -2.8) | 1.0 (-0.3, 2.3) | 5.2\* (4.9, 5.5) | - | -0.3\* (-0.3, -0.2) | -4.8\* (-5.9, -3.7) |
| SVK | Men | All | 2004 (2004.1, 2004.7) | 2012 (2010.6, 2012.4) | 2014 (2013.5, 2015.4) | -3.5\* (-4.0, -3.0) | 2.2\* (2.0, 2.5) | 0.3 (-0.4, 1.1) | -1.6\* (-2.0, -1.1) | -0.3\* (-0.4, -0.2) | -6.2\* (-8.0, -4.4) |
| SVK | Men | Cancer | 2005 (2004.3, 2005.0) | 2012 (2011.1, 2012.5) | 2016 (2015.2, 2016.0) | 2.9\* (2.6, 3.1) | 0.4\* (0.3, 0.5) | 1.4\* (1.2, 1.6) | 3.5\* (3.2, 3.8) | 1.8\* (1.7, 1.8) | 39.3\* (38.2, 40.5) |
| SVK | Men | Cardiovascular | 2006 (2005.5, 2007.3) | 2010 (2009.1, 2010.2) | 2016 (2016.1, 2016.8) | 4.8\* (4.4, 5.3) | 1.9\* (0.9, 3.0) | -2.2\* (-2.5, -1.9) | 7.3\* (5.5, 9.1) | 2.1\* (1.9, 2.2) | 47.8\* (43.4, 52.3) |
| SVK | Men | External | 2004 (2002.8, 2005.8) | 2010 (2008.8, 2010.5) | - | -0.4 (-0.8, 0.0) | 0.6\* (0.3, 1.0) | -1.0\* (-1.1, -0.8) | - | -0.4\* (-0.5, -0.3) | -7.2\* (-8.5, -5.9) |
| SVK | Men | Other | 2005 (2004.7, 2006.0) | 2010 (2008.9, 2010.3) | 2014 (2014.1, 2015.0) | -6.7\* (-7.0, -6.4) | -4.1\* (-4.6, -3.6) | -1.4\* (-1.9, -1.0) | 3.5\* (2.9, 4.1) | -2.4\* (-2.5, -2.3) | -37.3\* (-38.4, -36.1) |
| SVK | Women | All | 2003 (2002.0, 2003.3) | 2005 (2004.7, 2005.8) | 2012 (2011.3, 2012.2) | -9.9\* (-11.8, -8.0) | -2.9\* (-4.6, -1.1) | 4.3\* (3.7, 4.9) | -1.8\* (-2.1, -1.4) | -1.1\* (-1.3, -0.9) | -18.8\* (-21.6, -15.9) |
| SVK | Women | Cancer | 2003 (2001.3, 2004.7) | 2010 (2009.8, 2011.1) | 2016 (2015.8, 2017.2) | -2.7\* (-2.9, -2.5) | -2.4\* (-2.5, -2.3) | -1.8\* (-1.9, -1.7) | -0.6\* (-1.0, -0.2) | -2.0\* (-2.0, -2.0) | -32.0\* (-32.5, -31.5) |
| SVK | Women | Cardiovascular | 2004 (2003.6, 2005.1) | 2010 (2009.3, 2011.0) | - | -9.1\* (-12.1, -5.9) | 7.5\* (5.4, 9.8) | -3.0\* (-4.1, -1.8) | - | -1.3\* (-1.9, -0.7) | -22.2\* (-30.4, -13.0) |
| SVK | Women | External | 2006 (2005.3, 2007.0) | 2011 (2010.2, 2012.4) | - | -3.4\* (-4.2, -2.7) | 1.7\* (0.7, 2.8) | -2.2\* (-2.9, -1.6) | - | -1.6\* (-1.8, -1.3) | -26.0\* (-29.3, -22.5) |
| SVK | Women | Other | 2004 (2003.8, 2004.7) | 2010 (2009.3, 2010.1) | 2016 (2015.0, 2015.9) | -4.9\* (-6.0, -3.9) | 5.3\* (4.4, 6.1) | -2.2\* (-2.8, -1.7) | 7.0\* (5.7, 8.3) | 0.9\* (0.7, 1.1) | 18.9\* (14.6, 23.4) |