

Why life expectancy trends have changed; health inequalities are increasing; and what would be an appropriate response

Dr Gerry McCartney

Consultant in Public Health and Head of the Public Health Observatory

NHS Health Scotland

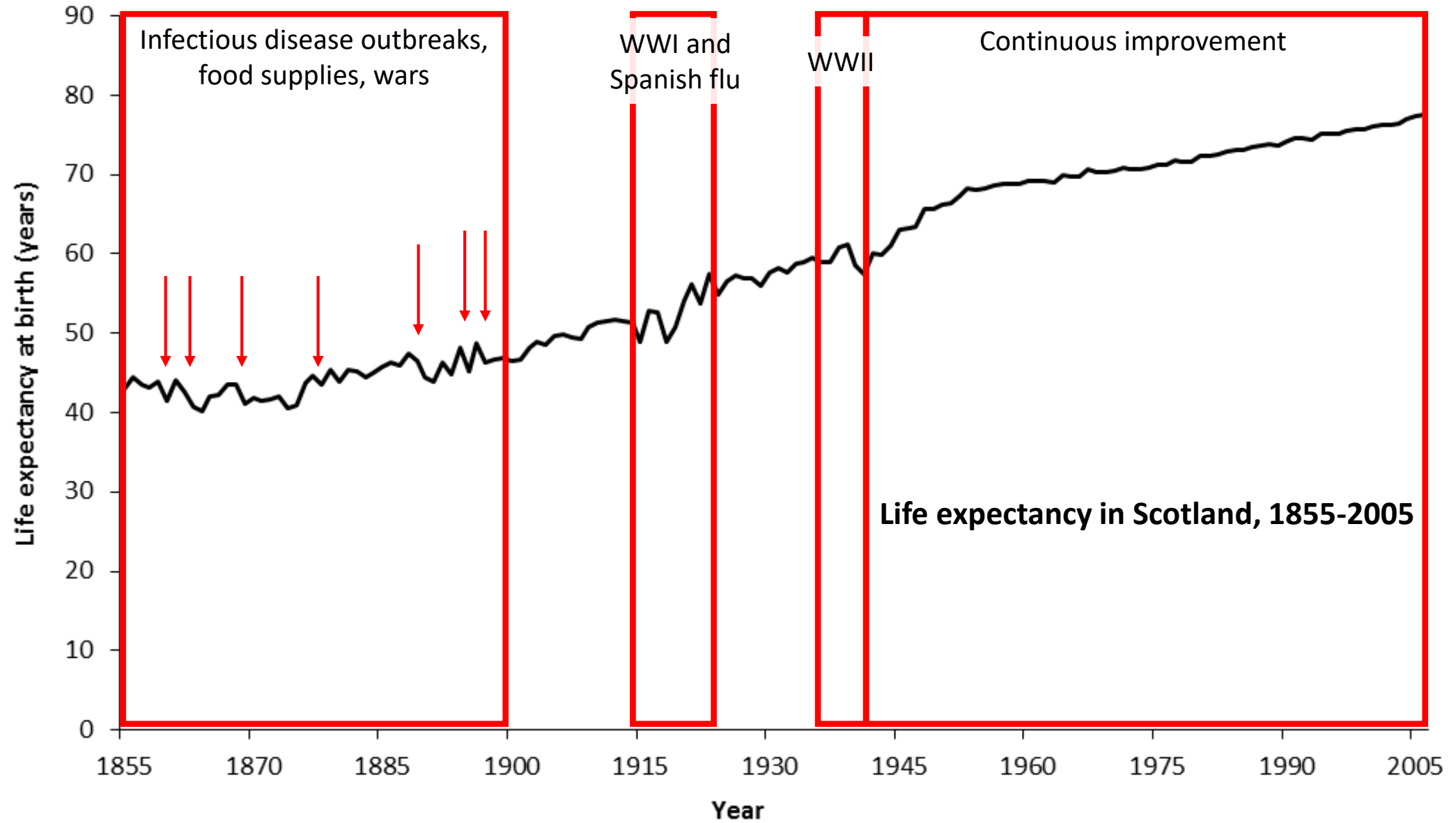
October 2019

My objectives for the next 25 minutes:

1. To demonstrate that life expectancy trends changed from 2012
2. ...that this is due to changes for almost all age groups and causes of death
3. ...that this is leading to a rapid rise in unjust and avoidable health inequalities
4. ...that the causes are most likely to be economic, working through a variety of pathways
5. To convince you that you all have a vital role in reversing these trends

Why does this matter?

1. Life expectancy is a very good marker of overall societal progress



Why does this matter?

1. Life expectancy is a very good marker of overall societal progress
2. Underneath these numbers are personal and community tragedies
3. The First Minister is now explicit that population well-being is a top priority for the Scottish Government
4. We can change these trends



Life expectancy trends changed from 2012

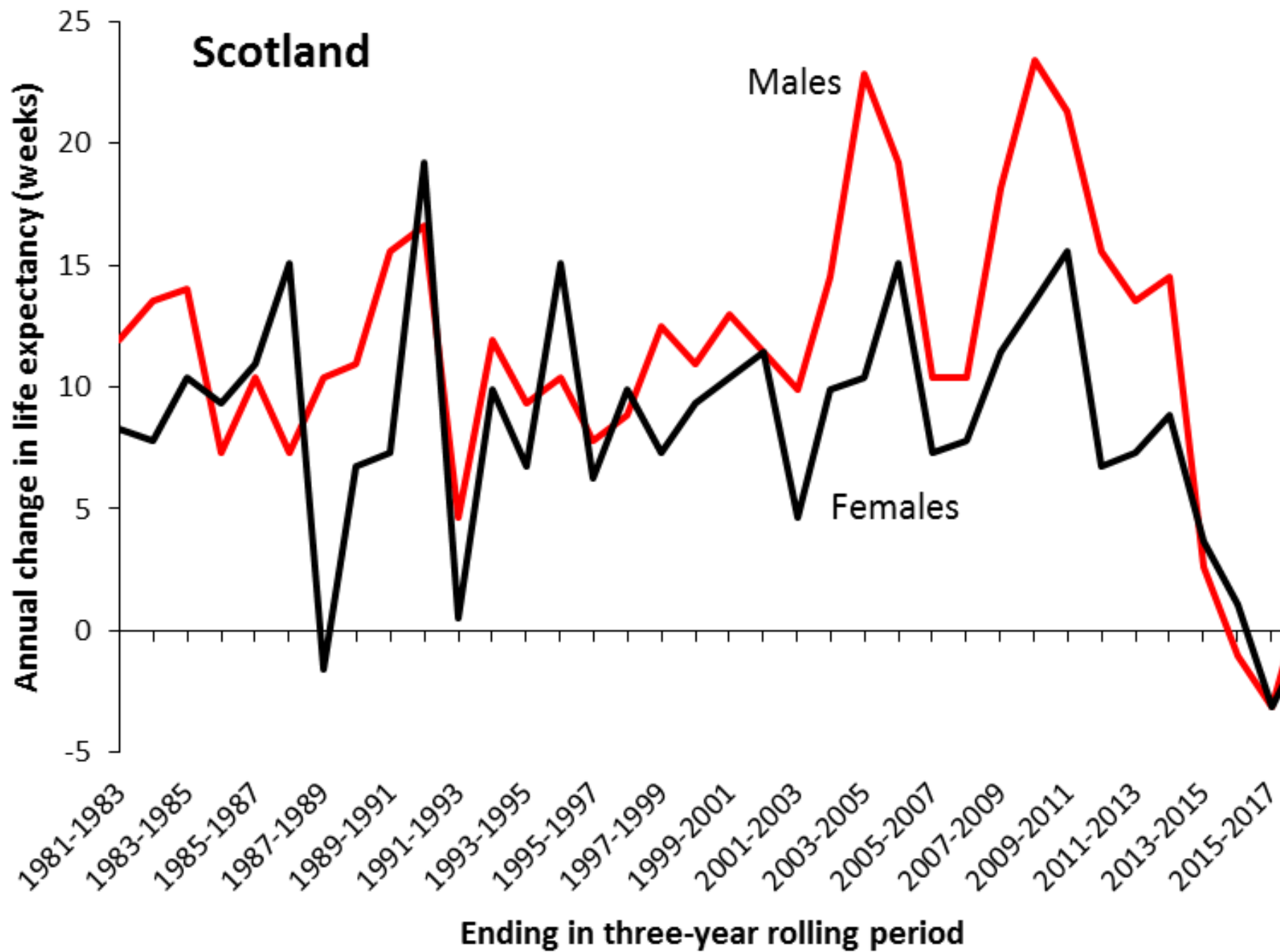
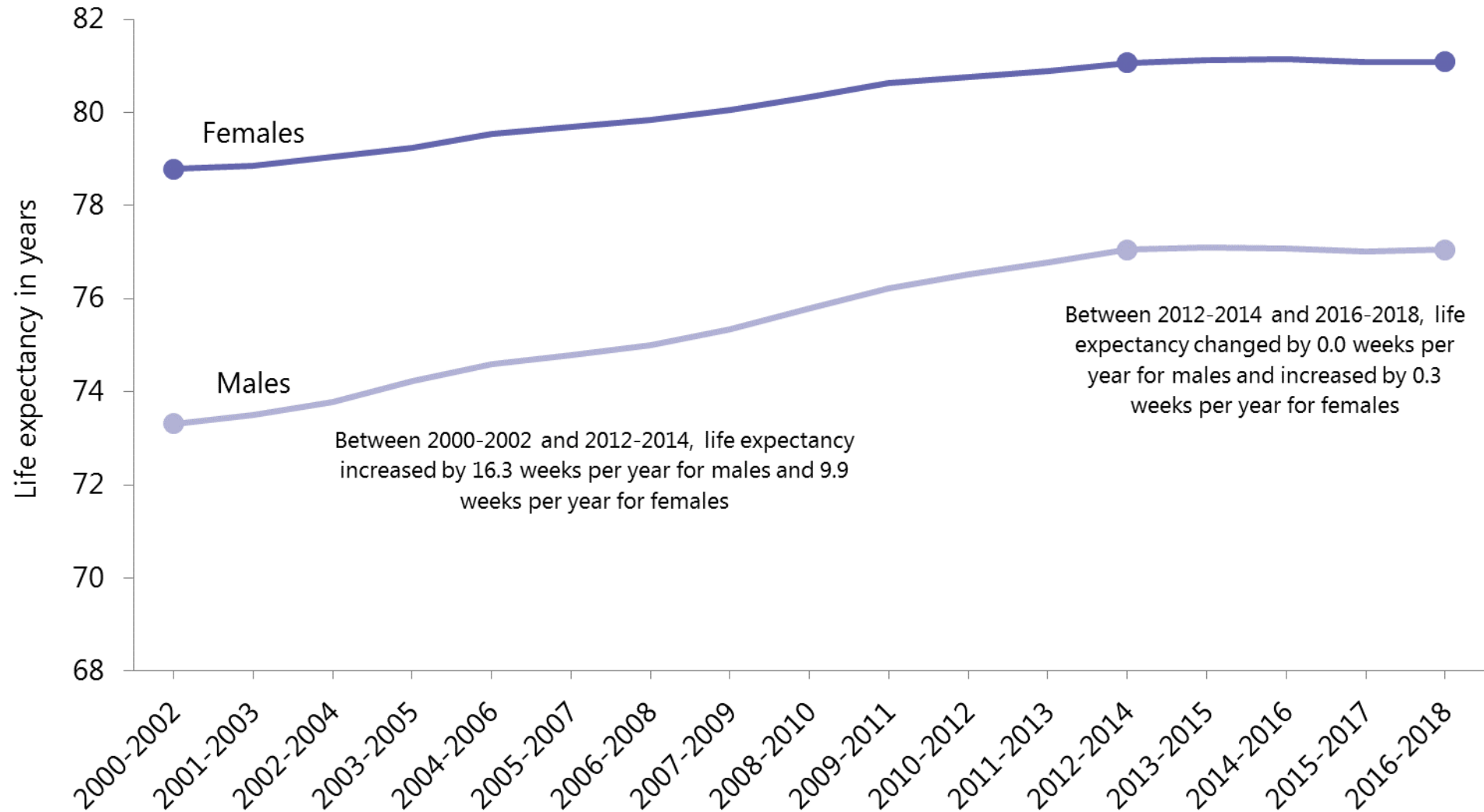
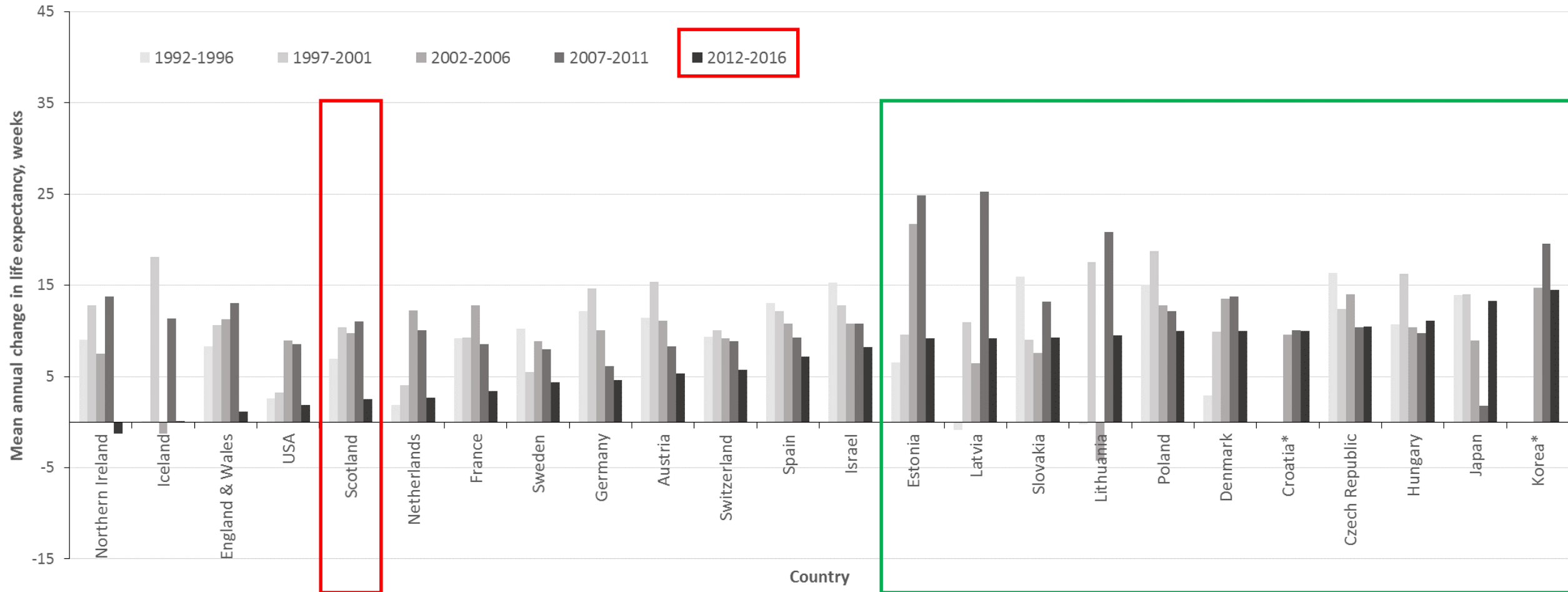


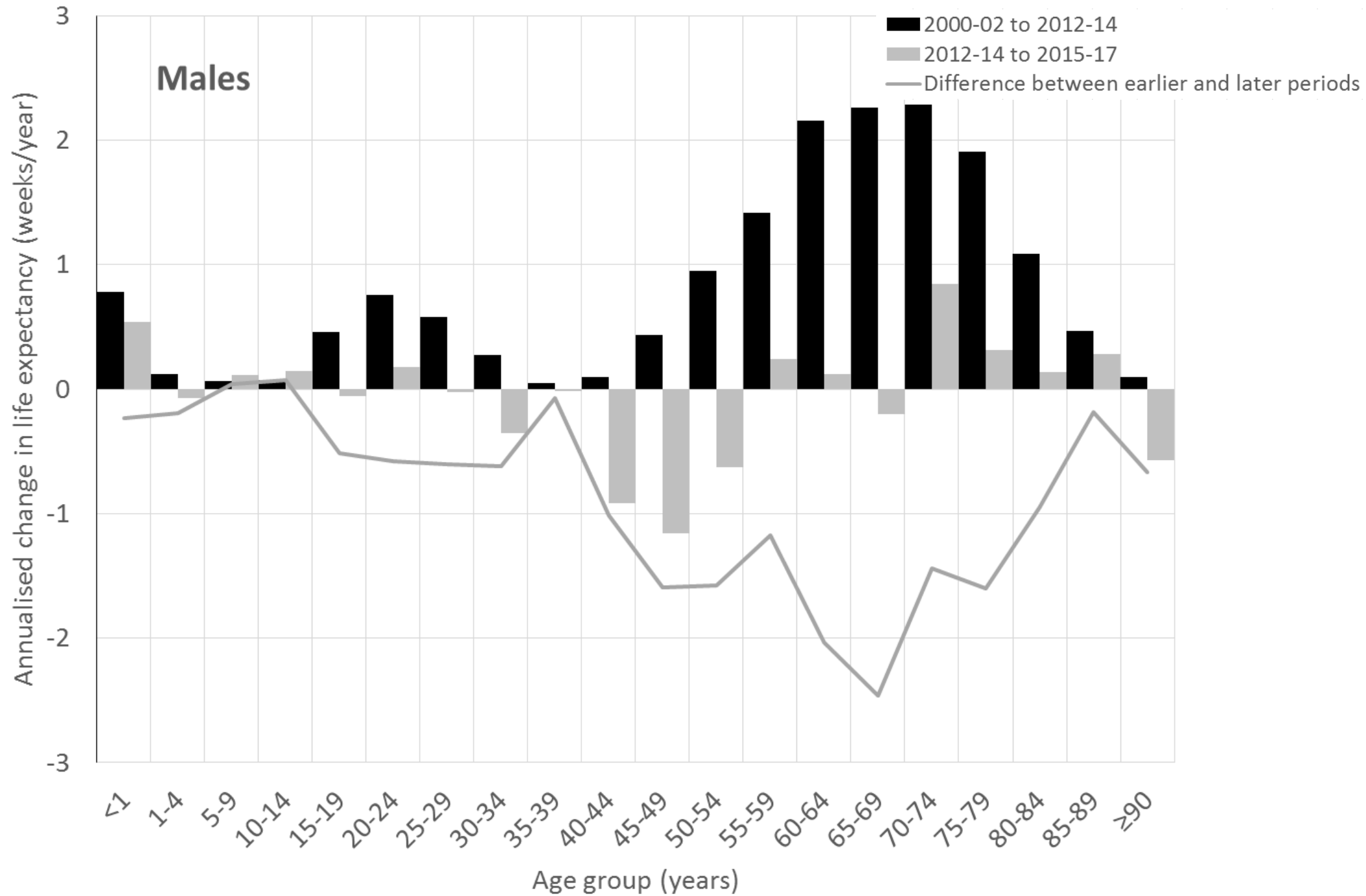
Figure 2. The slowing rate of improvement to life expectancy in Scotland.
2000-2002 to 2016-2018

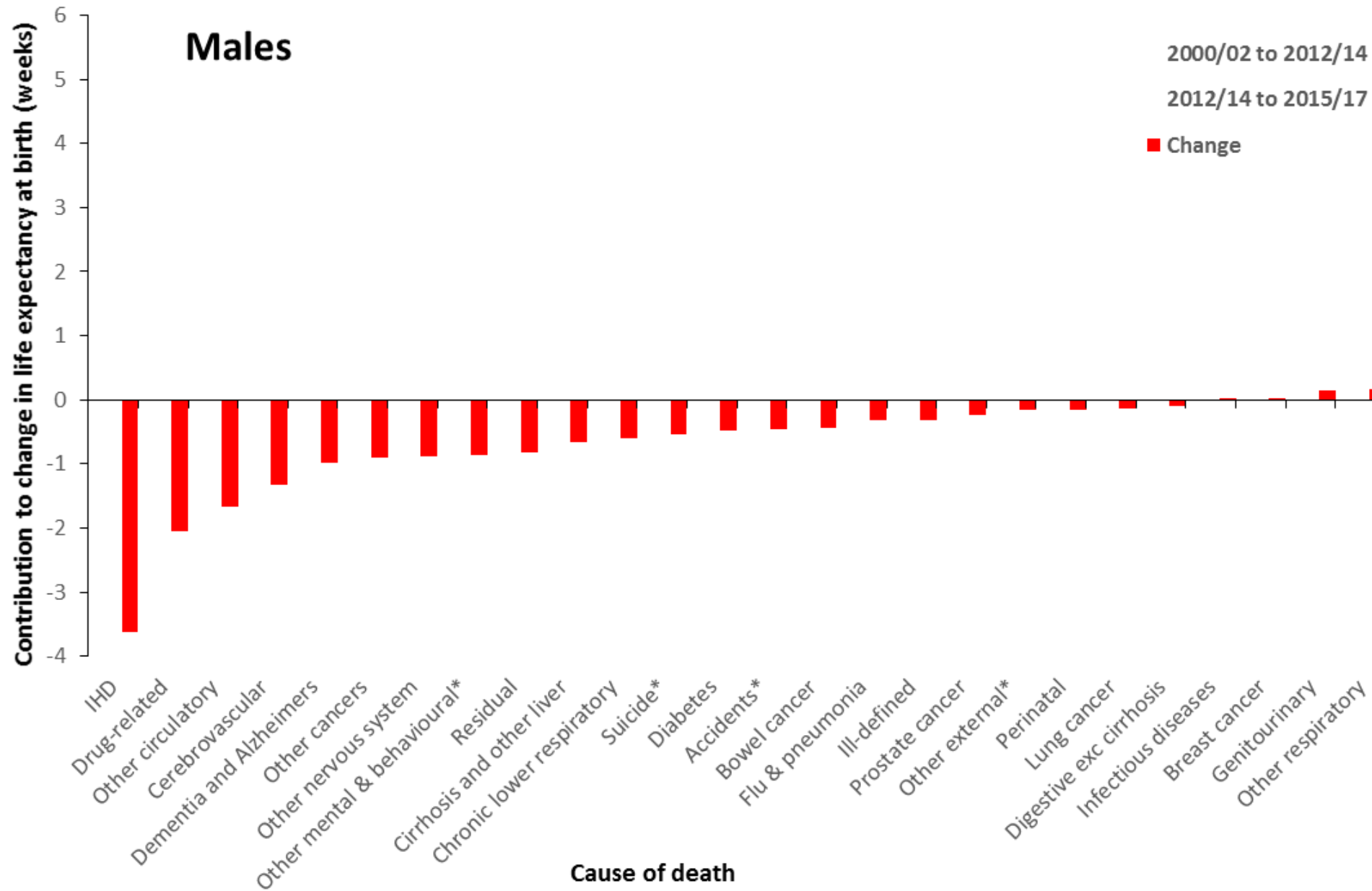


Mean annual change in female life expectancy



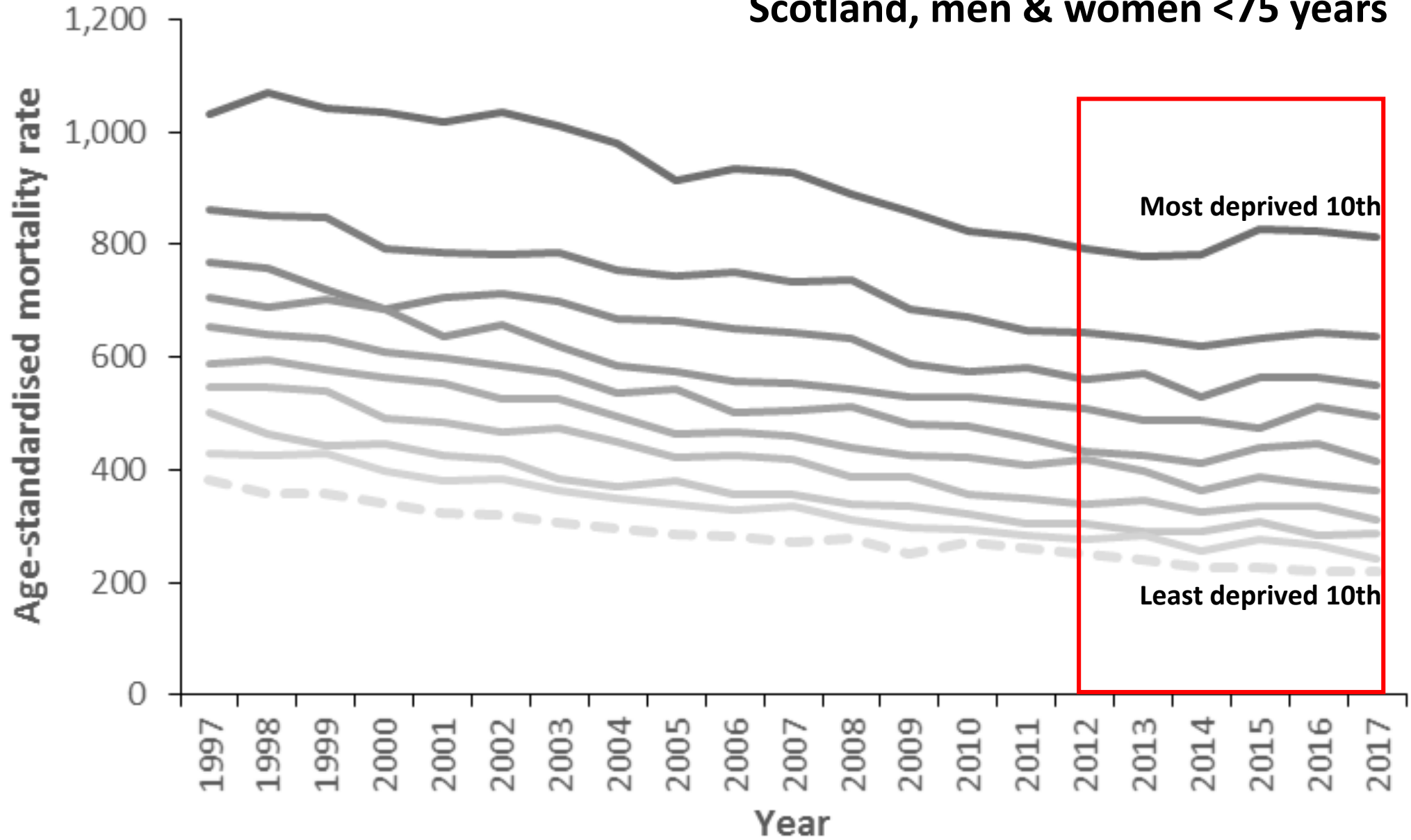
Almost all age groups and causes of death



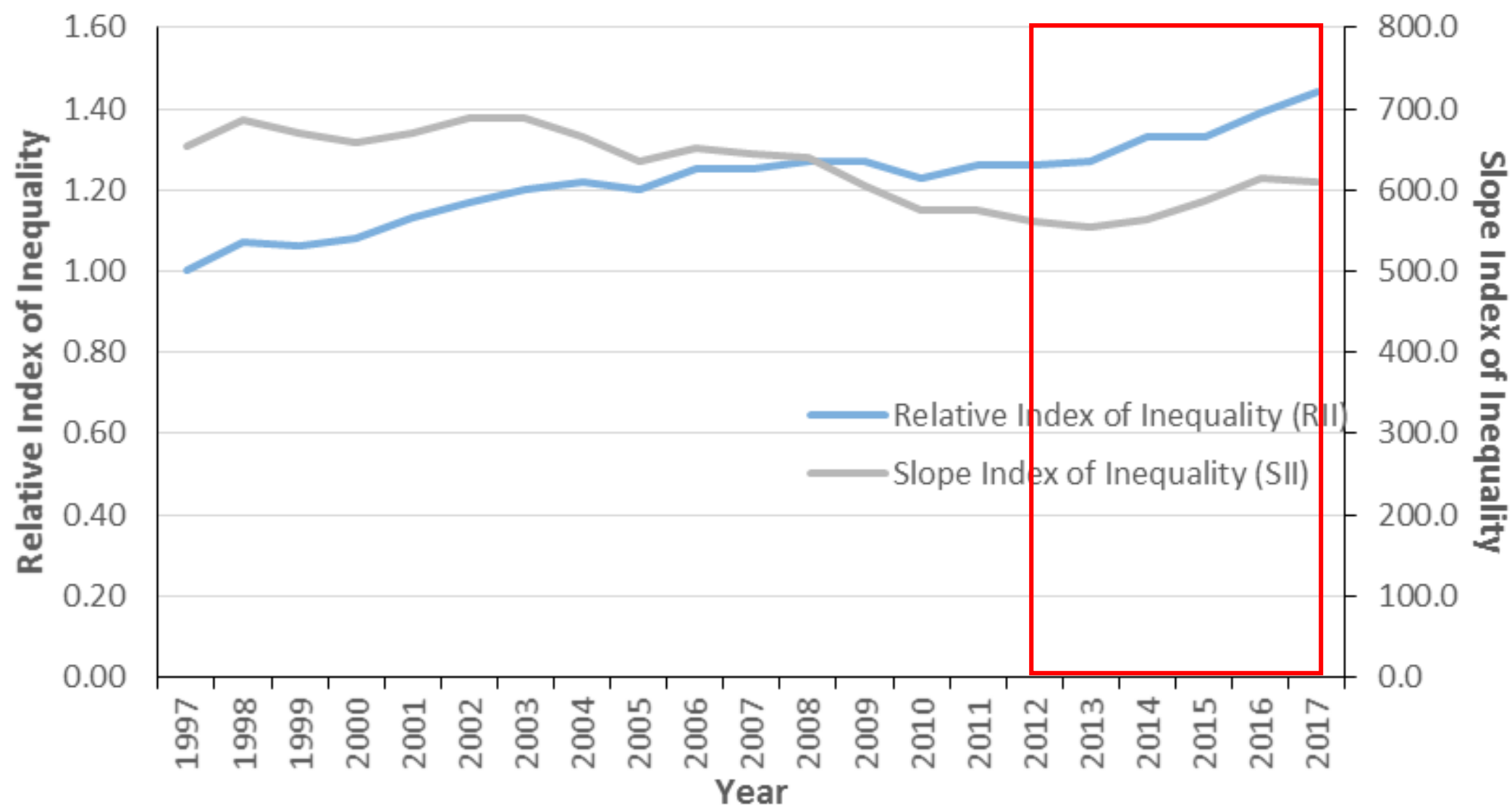


**A rapid rise in unjust and avoidable
inequalities**

Scotland, men & women <75 years



Inequalities in premature (<75y) mortality, Scotland



The causes are economic, working through a variety of pathways

What are the causes?

- Not due to influenza
 - > All causes of death impacted including implausible causes such as drug-related deaths
 - > Trends changed in 2012, not in the 'flu-year' 2015, and have been sustained subsequently
 - > All age groups impacted

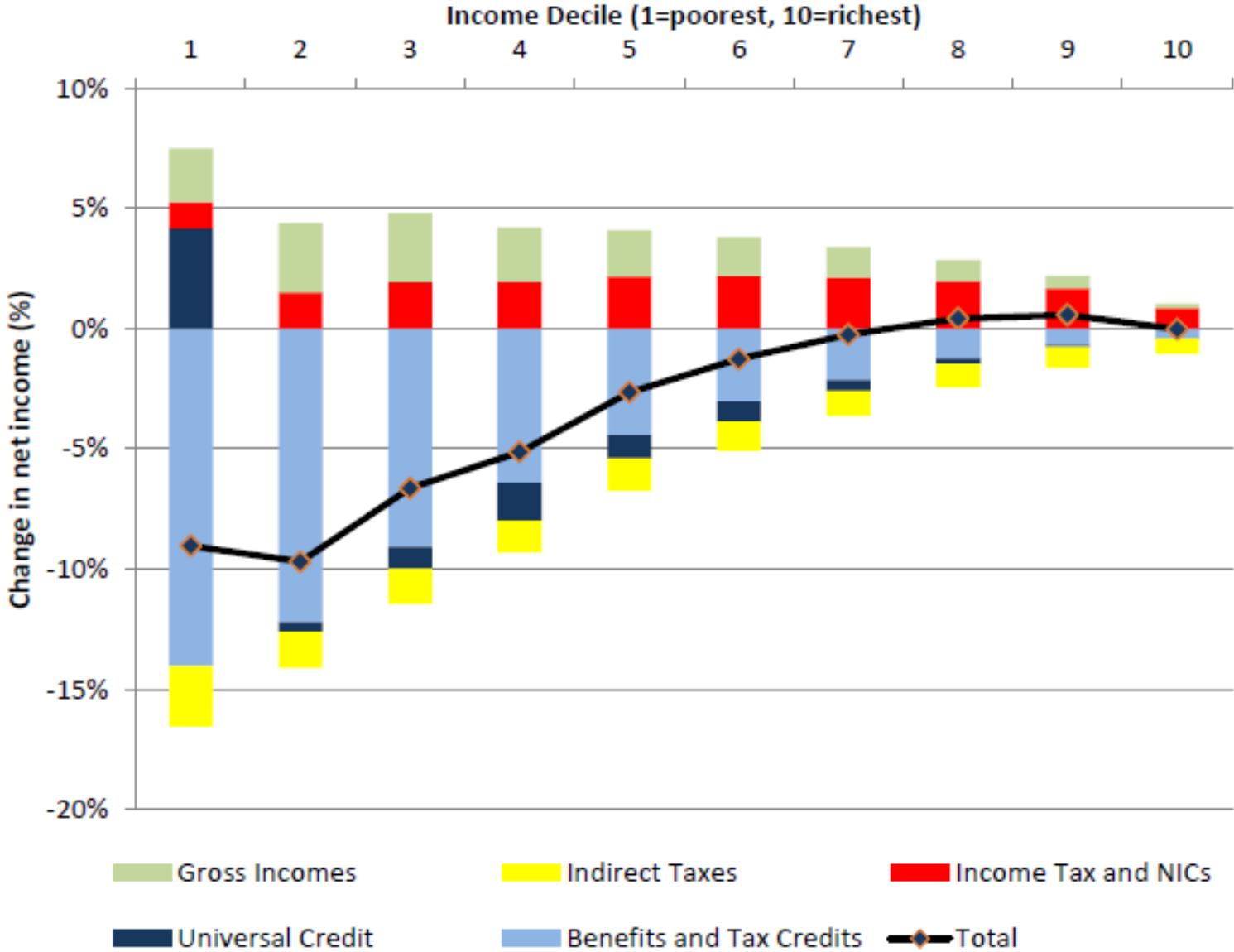
What are the causes?

- Not due to natural 'biological' limit
 - > Trends have changed at all age groups, not just the oldest
 - > Trends are worst in the most deprived groups where life expectancy is already lowest
 - > Life expectancy continues to improve in countries who lead the world such as Japan

What are the causes?

- 'Austerity'
 - > Yes, working through multiple pathways for different groups
 - > Social security benefit cuts and increased conditions
 - > Cuts to public services and pressures on health & social care services
 - > Household incomes squeezed
 - > Precarious work
 - > Plethora of international and UK-based research

Percentage impact of reforms to taxes and transfer payments by household net income decile and type of reform 2010-2011 to 2021-22 tax year, Great Britain

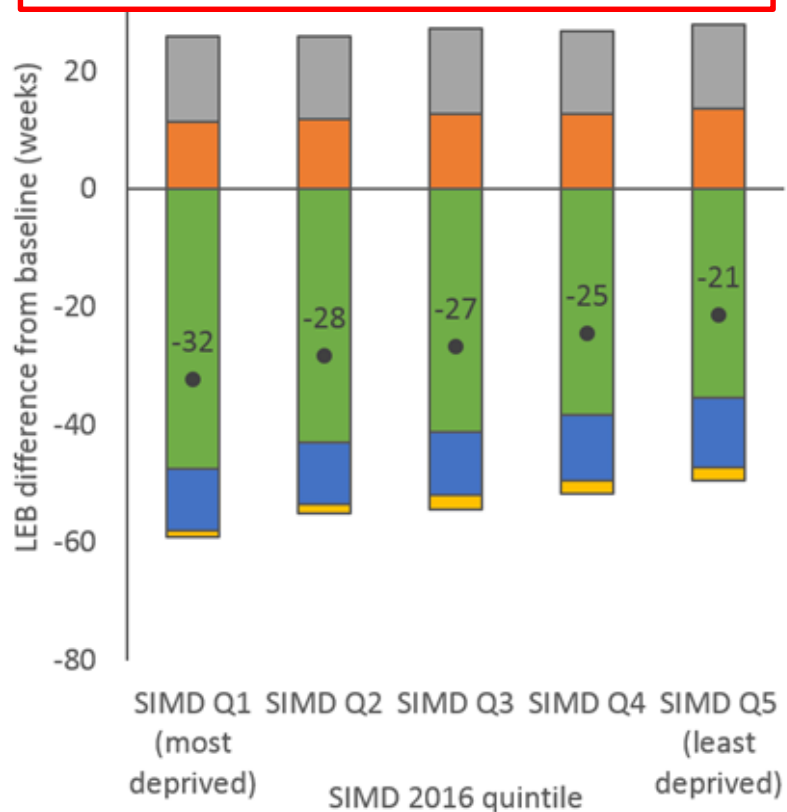


Source: Portes et al. The cumulative impact of tax and welfare reforms. Manchester, Equality and Human Rights Commission, 2018.

Modelled impact of changes to taxes and transfer payments (2010-2011 to 2021-22) on life expectancy, Scotland (preliminary analysis using Triple I tool)

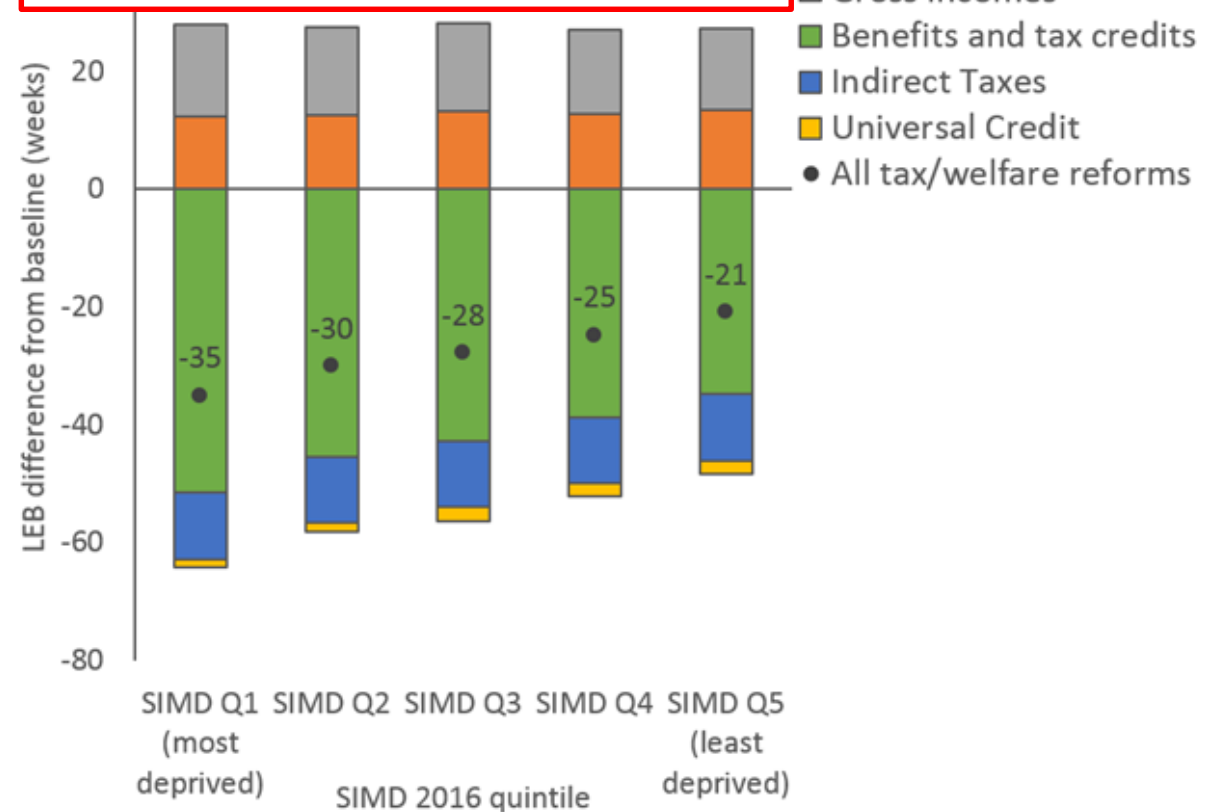
(a) Female

84.2 years to 83.7 years (-29 weeks)



(b) Male

79.5 years to 78.9 years (-30 weeks)



- Income Tax and NICs
- Gross incomes
- Benefits and tax credits
- Indirect Taxes
- Universal Credit
- All tax/welfare reforms

- Austerity measured as Cyclically Adjusted Primary Balance (CAPB) in terciles
- Europe (15 countries), 2011-2015
- Compared with countries in the low-austerity group, countries with intermediate austerity had excess mortality of 40 per 100,000 per year and those with high austerity had excess mortality of 31 per 100,000 per year.
- Generally good quality study
- No data beyond 2015 – likely to underestimate effects

Austerity Policies and Mortality Rates in European Countries, 2011–2015

Luis Rajmil, PhD, and María-José Fernández de Sanmamed, MD

Objectives: To assess time trends in mortality rates in European countries for the period 2011 to 2015 by level of austerity measures imposed by governments in response to the economic and financial crisis.

Method: We analyzed standardized mortality rates (SMRs) for 2011 through 2015 in 15 European countries based on Eurostat data (<http://ec.europa.eu/eurostat/data/database>). We used the Cyclically Adjusted Primary Balance (CAPB) in terciles as an independent variable to represent the level of austerity adopted in each country. We conducted a longitudinal analysis of panel data using generalized estimating equation models of SMR. We included interaction terms to assess the influence of time period and level of austerity.

Results: SMRs generally declined in the study period, except in the last year of the study. In 2015, compared with countries in the low-austerity group, countries with intermediate austerity had excess mortality of 40.2 per 100,000 per year and those with high austerity had excess mortality of 31.22 per 100,000 per year.

Conclusions: The results suggest a negative effect on mortality in those countries that apply a higher level of austerity. (*Am J Public Health*. Published online ahead of print March 21, 2019; [doi:10.2105/AJPH.2019.304997](https://doi.org/10.2105/AJPH.2019.304997))

the period 2011 through 2015 by level of austerity measures imposed by governments in response to the economic and financial crisis.

METHODS

We carried out a longitudinal ecological study of trends in standardized mortality rates (SMRs) at the country level. We included 15 countries from the European Economic Area for which routinely collected and comparable data for the period 2011 to 2015 were available (<http://ec.europa.eu/eurostat/data/database>). We excluded postcommunist countries, as well as Luxembourg and Switzerland because of their high level of economic development, which does not necessarily reflect the real wealth of nations. We included Austria, Belgium, Denmark, France, Finland, Germany, Greece, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, and the United Kingdom.

We used the Cyclically Adjusted Primary Balance (CAPB) to categorize the severity of austerity policy responses to the crisis in each country. The CAPB, which was developed by the International Monetary Fund,⁶ represents the cyclical component of the overall fiscal balance, computed as the difference between cyclical revenues and cyclical expenditures. A high score signifies a higher level of austerity. We stratified CAPB into terciles representing high, medium, and low levels of austerity, and we calculated CAPB differences within countries from 2009, the year of the major impact of the crisis, to 2013, the last year with major spending cuts.⁷ Table

The impact of the 2008 economic crisis on health at the country level depends on several factors, including the measures adopted by governments to deal with the crisis. From 2010 until the present, many global financial institutions pressed for the adoption of austerity measures, both within the European Union and elsewhere.¹

Austerity refers to cutting unnecessary bureaucratic spending for deficit reduction, although it may also entail cuts in public sector programs such as education, health, and social welfare. Such cuts can have a range of detrimental consequences, including a negative impact on health and probably on mortality in the short to medium term, particularly for those in lower income brackets (see Additional Information, available as a supplement to the online version of this article at <http://www.ajph.org>). Research carried out to date suggests that the economic crisis has had a range of harmful effects on health outcomes, with the evidence being most consistent for mental health and suicides.² A negative

impact on social determinants of health, with strong effects in some countries, has also been reported.³

A recently published article⁴ that compared trends in mortality rates in Spain and the United States reported an increase in mortality since 2011 in Spain. Although the authors attributed the increase to the austerity policies of the Spanish government, an editorial in the same edition of *AJPH* suggested that methodological problems deriving from a change in the reference population had led the authors to overestimate mortality rates.⁵ There is an evident need to differentiate the impact of the crisis from the responses of governments and its consequences in terms of health and mortality.

In this study, we assessed time trends in mortality rates in 15 European countries for

ABOUT THE AUTHORS

Luis Rajmil is pediatrician and epidemiology and public health specialist, second-year MD, María-José Fernández de Sanmamed is a primary care physician, currently retired.

Correspondence should be addressed to Luis Rajmil, *Carelia* 2022, Box 1, Barrio de San Sebastián, Spain (e-mail: l.rajmil@carelia.es). Reprints can be ordered at <http://www.ajph.org> by clicking the "Reprints" link.

This article was accepted January 13, 2019.
doi:10.2105/AJPH.2019.304997

- Austerity measured using the Alesina-Ardagna Fiscal Index (AAFI) (also called ‘Blanchard Fiscal Index’)
- Europe (28 countries), 1991-2013 (many up to 2012)
- Austerity regimes are associated with an increase in mortality of 0.7% after adjusting for recession effects
- Good quality study
- No data beyond 2012/3 – likely to underestimate effects

Economics and Human Biology 33 (2019) 211–223

Contents lists available at ScienceDirect

Economics and Human Biology

journal homepage: www.elsevier.com/locate/eub

Does austerity really kill?

Veronica Toffolutti^{a,b,*}, Marc Suhrcke^{c,d}

^a Carlo F. Dondena^a Centre for Research in Social Dynamics and Public Policy, Bocconi University, Milan, Italy
^b Department of Public Health and Policy, London School of Hygiene and Tropical Medicine, London, United Kingdom
^c Centre for Health Economics, University of York, York, United Kingdom
^d Luxembourg Institute for Socio-Economic Research, Esch-sur-Alzette/Beaumont, Luxembourg

ARTICLE INFO

Article history
 Received 12 May 2018
 Received in revised form 7 February 2019
 Accepted 2 March 2019
 Available online 4 March 2019

Keywords
 Recession and health
 Socioeconomic determinants of health
 Austerity

ABSTRACT

A growing body of the literature has argued that austerity has been bad for health, though without directly measuring austerity. This paper explicitly distinguishes the association of mortality with macroeconomic fluctuations from that with fiscal policy measures, using data for 28 European Union (EU) countries covering the period 1991–2013. The main results present a nuanced, complex picture about the mortality impact of fiscal policies. We confirm the mortality decreasing (increasing) effect of recession (boom), with the exception of suicide mortality, which shows the opposite effect. Austerity regimes are associated with an increase in all-cause mortality (0.7%). At the same time, fiscal stimuli tend to significantly increase death rates due to diabetes or chronic liver disease (3%) and also due to vehicle accidents (4.3%). Our results are sensitive to the set of countries included: when excluding the Baltic, Romania and Hungary, austerity policies turn out to significantly increase suicide-related mortality (2.8%), while the effect on all-cause mortality remains unaffected (0.7%). Overall, however it appears that the austerity-increasing effects are mostly compensated by the (mostly) mortality-decreasing effects of recession. A notable exception appears to be suicide, which receive a ‘double-boon’ from both recession and austerity.

© 2019 Elsevier B.V. All rights reserved.

1. Introduction

A growing body of research has examined the effects of the Great Recession on health, using either single country time series analysis (De Vogli, Marmot et al., 2012; Antonakakis and Collins, 2014; Regidor, Barrío et al., 2014; Crost and Frimison, 2017; Kaplan, Collins et al., 2017; Toffolutti, McKee et al., 2018) or cross-country panel regressions (Stuckler et al., 2009; Chang et al., 2013; Taylor-Robinson and Ren, 2017; Pérez-Morales, Blanco-Arana et al., 2016; Biall et al., 2017; Crost and Frimison, 2017). The large majority finds that mortality rates, with the exception of suicides, tend to be pro-cyclical, i.e. when unemployment rates increase mortality tends to decline (Rubin, 2000; Gerdtman and Rubin, 2006). More recently, the association between the two seems to have weakened, and for some age-groups and causes of mortality the association might have reversed (Lam and Pfister, 2017). As far as Europe is concerned, Tapia-Guzmán and Ikonides investigated the relationship by using data for 27 European countries, finding robust evidence of pro-cyclicity (Tapia-Guzmán and Ikonides, 2017). However, little is known about the potential modification effect through policy.

In a widely regarded book, Stuckler and Basu (2013) have suggested that some of the adverse health effects that appear to have resulted from the recession would be directly attributable to austerity. This widespread concern echoed outside academia, leading, for example, the former International Monetary Fund leader (Dominik Strauss-Kahn) to ask “What about the human cost? This is the real tragedy” (Guardian, 2010). The evidence accumulated to date appears to be conflicting, with some papers claiming that the public health tragedy in Greece seems “overly exaggerated” (Granados, 2013; Granados and Rodríguez, 2015), and arguing that the country was no exception to the main finding of the literature which sees countries improving population health in recessions (the “healthy recession paradox”) (Granados, 2013).

To the best of our knowledge, the vast majority of existing studies that claim to assess the health-response to austerity have refrained from explicitly incorporating fiscal policy measures, with the notable exception of Biall et al. (2017). The authors analyze the impact of macroeconomic fluctuations on mortality, using data from 21 OECD countries covering the period 1980–2010. Their results confirm the pro-cyclicity of overall mortality. The association between economic fluctuations and mortality appears,

* Corresponding author at: “Carlo F. Dondena” Centre for Research in Social Dynamics and Public Policy, Bocconi University, via Roggion, 1, 20136 Milan, Italy. Tel.: +39 02 5836.5890.
 E-mail address: veronica.toffolutti@unibocconi.it (V. Toffolutti).

https://doi.org/10.1016/j.eub.2019.03.002
 0167-6774/© 2019 Elsevier B.V. All rights reserved.

- Austerity measured by welfare spending, adjusted for unemployment and GDP
- 2002-2014, Europe (25)
- GDP drops and increasing unemployment were associated with decreasing health inequalities. Austerity, however, was related to increasing health inequalities, an association that grew stronger with time.
- Good quality study though response rate for European Social Survey is highly variable across countries, and only self-rated health measures.
- No data beyond 2014 – likely to underestimate effects

van der Wel, Kjetil A.; Saltkjel, Therese; Chen, Wen-Hao; Dahl, Espen; Halvorsen, Knut. European health inequality through the 'Great Recession': social policy matters. *Sociology of Health & Illness* 2018; 40(4): 750-768, doi:10.1111/1467-9566.12723

European health inequality through the 'Great Recession': social policy matters

Kjetil A. van der Wel¹, Therese Saltkjel¹,
Wen-Hao Chen², Espen Dahl¹ and Knut Halvorsen¹

¹Department of Social Work, Child Welfare and Social Policy, OsloMet – Oslo Metropolitan University, Oslo, Norway

²Social Analysis and Modelling Division, Statistics Canada, Ottawa, Canada

Abstract This paper investigates the association between the Great Recession and educational inequalities in self-rated general health in 25 European countries. We investigate four different indicators related to economic recession: GDP; unemployment; austerity and a 'crisis' indicator signifying severe simultaneous drops in GDP and welfare generosity. We also assess the extent to which health inequality changes can be attributed to changes in the economic conditions and social capital in the European populations. The paper uses data from the European Social Survey (2002–2014). The analyses include both cross-sectional and lagged associations using multilevel linear regression models with country fixed effects. This approach allows us to identify health inequality changes net of all time-invariant differences between countries. GDP drops and increasing unemployment were associated with decreasing health inequalities. Austerity, however, was related to increasing health inequalities, an association that grew stronger with time. The strongest increase in health inequality was found for the more robust 'crisis' indicator. Changes in trust, social relationships and in the experience of economic hardship of the populations accounted for much of the increase in health inequality. The paper concludes that social policy has an important role in the development of health inequalities, particularly during times of economic crisis.

Keywords: social determinants of health, social change, social capital, inequalities/social inequalities in health status, welfare state

Introduction

The 2008 financial crisis and the ensuing 'Great Recession' experienced by many European countries led to longstanding high levels of unemployment. According to scholars, the crisis was further deepened by inadequate policy responses as many countries – not only those answering to the 'Troika' – introduced austerity policies to balance national budgets (e.g. Karanikolos *et al.* 2013). The economic recession, and particularly when coupled with undeveloped or retrenching social protection, may in particular have had consequences for European health inequalities (Marmot *et al.* 2013; Stuckler and Basu 2013). Social inequality in health is a key public health challenge in Europe (European Commission 2013) and the European

Austerity and Health

Aaron R
 1Department
 2Department
 3Department
 4Department
 Correspondence

Introduction

The UK's promising due to austerity. It pursued the total (85%),¹ r April 2011 many public still employ these sweet mates from show that 2011/2012 the statist absorption. A major economic growth.

There has failed recovery a austerity? necessary? mists, such David B Obama's a much fafares. The austerity, (IMF). The estimated spending. Yet, of data as w reflecting market c. Two pron sionary a appropria



BMJ 2013;347:f1145

PREMATURITY

Austerity

David Taylor
 consultant
 leader and
 applied pu

1Department of
 2Blackburn with

Torjesen highlight on the Longer. The north of F. "worst" prema south have the. The north-sou What is new i public health. "local" public bigger picture. In the figure, local authority relation to pre largest spendi premature mo in the north of

COMMENTARY

Austerity and Health

MARK A. GREEN

1Department of Geogra

Abstract
 The Great Recession o Depression of the 193 how society and govern response to the Great this Commentary, I br negative impact of aus of evidence on within-c level of austerity, raisi improving population l and political determin

Key Words: Austerity,

'The Great Recession period of economic World War or the Gr dominant political spending through cu grammes, such as we provision. The argum were to encourage ed ing public finances i private sector.

Both the recessio austerity were large- whole populations (t the potential to affe What became evid recession on popula (particularly middle-recession in many c

Correspondence: Mark A. G
 E-mail: mark.green@liverpo
 Date received 2 July 2017; re

© Author(s) 2017
 Reprints and permissions: sag
 DOI: 10.1136/bmjopen-2017-021423



To cite: Watkins Wulansingh W. Effects of health care spending on mortality in England: a trend analysis. *BMJ Open* 2017;7:e017722. doi:10.1136/bmjopen-2017-021423

Received 12 May 2017
 Revised 10 August 2017
 Accepted 24 August 2017

JW and WW con

Introduction

The link bet documented, in the Great R experienced mar recession in 2007 downward trend elevated through rates have long b in females, the in (EU) during the further widening. Yet, there is al rates across Europ Great Recession,

For numbered at end of article.
 Correspondence: Dr Mahben Maru. maruthappu@liverpool.ac.uk
 Dr Johnathan Watkins. watkins@pilar.co.uk



Health

Marina K

The fina economic effects of our pred falls in r underst economic diseases contrast, discerni analysis shocks a decision public h

Introduction

The econ has raise Despite of econ the two i origins o countries with a fo of comp postulate previous happene recomm of resilie commur economic health p

Causes

The fina Financia exhausti focused agreed to specific situation conclude of invest valuation (sometim reaction, which le stock ma 9 million

Joseph L. Lalloo, John P. A

Summary
Background Greece effect of the crisis o affected the trend of

Methods We used a region, and cause i age-standardized m before the crisis (Jan We tested for chang

Findings Overall mor at a slower pace (p<0.0001). The tren (0.040, 0.013-0.066 95% CI 0.042 to 0.0089 to -0.0059 compared with beti vascular accidents 20-34 years (-0.004 95% CI 0.0092-0. health problems (0 adverse events durin 95% CI 0.0012-0.0 extrapolated values after the onset of the

Interpretation Mort vary by age, sex, and reflect the effects of

Funding None.

Copyright © The Au

Introduction
 Since the global fina been experiencing o in the recent history, the Greek health and structural probl health reforms, inclu expenditures and the insurance funds, ha decade, but had no absence of political stakeholders. How enacted, the Greek severely. The triple



The impact of the financial crisis on health in England

Rachel M. Thomson

1Department of
 2Department of
 3Department of
 Address corresp

Correspondence

Dr R. M. Thomson, Department of Public Health and Institute of Psychology, Society, University of Liverpool, White Lin Liverpool L69 3GB, UK. Email: r.m.thomson@liverpool.ac.uk

Received 16 June 2017
 Revised 28 August 2017
 Accepted 5 October 2017

ABSTRACT

Background test the imp
Methods changes in expenditure
Results Ea 0.10-0.80 welfare exp discretion
Conclusion understa vulnerable
Keywords

Introduction

The statu by the Hou on local au claims for l lessess cri to those wh ending bot number of began to ri significant homelessne

To cite: Barr B, Thomson D, Stuckert J. *Epidemiol Community Health* 2016;70:339-345



OPEN ACCESS

Additional material published online on the journal website. For more information on this feature please visit the journal website: <http://dx.doi.org/10.1136/bmjopen-2017-021423>

1University of Liverpool, UK
 2Oxford University, UK

Correspondence

Dr B. Barr, Department of Public Health and Institute of Psychology, Society, University of Liverpool, White Lin Liverpool L69 3GB, UK. Email: b.barr@liverpool.ac.uk

Received 16 March 2017
 Revised 5 June 2017
 Accepted 25 July 2017

Check for updates

© Author(s) or their employer(s) 2018. Reprints and permissions: sagepub.com/journalsPermissions.nav

1MRC/CSO Social & Population Health Sciences Unit, University of Glasgow, Glasgow, UK
 2Public Health Department, Ayr, UK
 3Institute of Health & Wellbeing, University of Glasgow, Glasgow, UK

Correspondence to

Dr Rachel M Thomson. Email: rachel.thomson@glasgow.ac.uk

To cite: Barr B, Thomson D, Stuckert J. *Epidemiol Community Health* 2016;70:339-345

© The Author(s) 2018. This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

© The Author(s) 2018. Reprints and permissions: sagepub.com/journalsPermissions.nav

DOI: 10.1136/bmjopen-2017-021423

© The Author(s) 2018. Reprints and permissions: sagepub.com/journalsPermissions.nav

© The Author(s) 2018. Reprints and permissions: sagepub.com/journalsPermissions.nav



Effects of restrictions to Income Support on health of lone mothers in the UK: a natural experiment study

Srinivasa Vittal Katikireddi, Oorabile R M Oloodi, Marcia Gibson, Ruth Dundas, Peter Craig

Summary

Background In the UK, lone parents must seek work as a condition of receiving welfare benefits once their youngest child reaches a certain age. Since 2008, the lower age limit at which these Lone Parent Obligations (LPO) apply has been reduced in steps. We used data from a nationally representative, longitudinal, household panel study to analyse the health effects of increased welfare conditionality under LPO.

Methods From the Understanding Society survey, we used data for lone mothers who were newly exposed to LPO when the age cutoff was reduced from 7 to 5 years in 2012 (intervention group 1) and from 10 to 7 years in 2010 (intervention group 2), as well as lone mothers who remained unexposed (control group 1) or continuously exposed (control group 2) at those times. We did difference-in-difference analyses that controlled for differences in the fixed characteristics of participants in the intervention and control groups to estimate the effect of exposure to conditionality on the health of lone mothers. Our primary outcome was the difference in change over time between the intervention and control groups in scores on the Mental Component Summary (MCS) of the 12-item Short-Form Health Survey (SF-12).

Findings The mental health of lone mothers declined in the intervention groups compared with the control groups. For intervention group 1, scores on the MCS decreased by 1.39 (95% CI -1.29 to 4.08) compared with control group 1 and by 2.29 (0.00 to 4.57) compared with control group 2. For intervention group 2, MCS scores decreased by 2.45 (-0.57 to 5.48) compared with control group 1 and by 1.28 (-1.45 to 4.00) compared with control group 2. When pooling the two intervention groups, scores on the MCS decreased by 2.13 (0.10 to 4.17) compared with control group 1 and 2.21 (0.30 to 4.13) compared with control group 2.

Interpretation Stringent conditions for receiving welfare benefits are increasingly common in high-income countries. Our results suggest that requiring lone parents with school-age children to seek work as a condition of receiving welfare benefits adversely affects their mental health.

Funding UK Medical Research Council, Scottish Government Chief Scientist Office, and National Health Service Research Scotland.

Copyright © 2018 The Author(s). Published by Elsevier Ltd. This is an open access article under the CC BY 4.0 license.

Introduction

Lone-parent families tend to have poorer health, greater poverty, and lower employment than do two-parent families.¹⁻³ The proportion of families headed by a lone parent (defined as a parent that is single, divorced, or widowed) has increased in many high-income countries,⁴ with 25% of all families with dependant children in the UK now headed by a lone parent.⁵ Governments have attempted to reduce the associations between single parenthood, poverty, and poor health by increasing lone parents' participation in paid work and reducing the number receiving welfare benefits. One such welfare-to-work measure requires claimants to be available for work and to demonstrate active job seeking. Known as conditionality, such measures have become increasingly common in social security systems worldwide, including in Australia, Canada, New Zealand, and Norway.⁶ For the period covered by our study (2009-13), Income Support was the primary form of social security benefit payable to lone parents in the UK who were not in work

and had no other source of income. The amount was intended to cover basic subsistence only: in 2009, £73.10 per week was payable to lone parents aged 18 years or older and £57.90 to those aged 16 or 17 years. Before 2008, lone parents whose youngest child was younger than 16 years were eligible to receive Income Support without having to show that they were available for and actively seeking work. On Nov. 25, 2008, the UK Government introduced conditionality for lone parents receiving Income Support for children younger than the minimum school leaving age, requiring them to be available for work for a minimum of 16 h per week when their youngest child reached age 12 years.⁷ The age cutoff was further reduced to 10 years from Nov 24, 2009, to 7 years from Oct 26, 2010, and to 5 years from May, 2012. Outside the range of our study, the age threshold was then reduced to 3 years in 2017.

Under Lone Parent Obligations (LPO), lone parents are transferred from Income Support to Jobseeker's Allowance once their youngest child reaches the age



Lancet Public Health 2018; 3: e333-40

See Comment page e307

Medical Research Council/Chief Scientist Office Social and Public Health Sciences Unit, University of Glasgow, Glasgow, UK
 S V Vittal Katikireddi PhD,
 O R M Oloodi PhD, M Gibson PhD,
 R Dundas MSc, P Craig PhD

Correspondence to: Dr Srinivasa Vittal Katikireddi, University of Glasgow, Glasgow G2 3JL, UK. Email: vittal.katikireddi@glasgow.ac.uk

What are the causes?

- Other factors could be playing a role
 - > Mental health problems and social isolation as mechanisms linking economic factors and mortality
 - > Obesity could be a mechanism linking economic factors to cardiovascular disease
 - > Large programme of work underway to investigate all causes at present

Summary and implications

- This is the biggest public health challenge for many decades – encompassing the sub-plots on drug deaths, homelessness, poverty, etc.
- Austerity, social security cuts, service cuts/pressures all likely to be causal
- We need to reverse these economic and social policies and mitigate what we can
- We need to design our services to meet the unmet needs of the population and ensure accessibility to those who need those services most
- We need a public health approach to substance misuse
- We need your leadership to ensure all relevant policymakers and service managers at all levels understand the contribution they can make
- We have a duty to explain and champion action for our population/patients

All the data and evidence is summarised at:

www.scotpho.org.uk/population-dynamics/recent-mortality-trends/

The programme of research and dissemination is detailed here:

<https://www.scotphn.net/groups/public-health-mortality-monitoring/mortality-sig-introduction/>

Contact me at:

Email: gmccartney@nhs.net

Twitter: @gerrymccartney1