

Broad category	Project title	Brief description	Lead(s)	Progress
Artefact	Chance	Examining using Bayes factors the extent to which the trends can be explained by chance	Jon Minton and Rebecca Devine	Early stages
Austerity	Impact of changes to social security on mortality	Adaptation of Triple I model to estimate contribution of changes to social security to the trends	Liz Richardson/Martin Taulbut	Close to submission
Austerity	International analysis	Analysis of the international datasets based on the austerity protocol	Gerry McCartney	Analysis just started
Austerity	Intra-UK analysis	Analysis of the impact of varying austerity within UK		Been scoped, not started
Austerity	Austerity protocol	Protocol for testing the austerity hypothesis with more up to date data etc.	Gerry McCartney	Accepted at BMJ Open
Austerity	Systematic review	Systematic review of the evidence linking austerity to Le trends	Marlene McMillan	Scoped, protocol being developed.
Circulatory	IMPACT modelling	Application of the existing IMPACT model to estimate the contribution of health behaviour change to	Katie Levin	Analysis underway
Co-ordination	Scotland workshop	Workshop co-ordinating LE work across 4 nations. Date tbc (Spring 2020)	Gerry McCartney	options being discussed
Descriptive	Time-indexed age trends	Trend analysis of age-specific trends in mortality rates internationally	Jon Minton	Analysis done
Descriptive	Seasonality	What is the contribution of seasonality and high winter peaks in deaths to overall mortality trends?	Jon Minton and Lynda Fenton	Writing up
Descriptive	Life expectancy and mortality trends	International comparison of trends, breakpoint analysis	Lynda Fenton	Complete, published in BMJ Open
Descriptive	Deprivation trends	Description of trends in LE by deprivation	Lynda Fenton	Complete, published in JECH
Descriptive	Spatial analysis	Analysis of LE trends by local geographical areas, deprivation and rurality	Clare Campbell	Writing up
Descriptive	Trend monitoring	Updating the analysis of the trends so that we can detect other changes and/or when the trends return to the previous trends		
Descriptive	Decomposition of LE by deprivation	Decomposition of LE trends by age, sex, cause, deprivation	Julie Ramsay	Writing up
Descriptive	Decomposition of LE	Decomposition of LE trends by age, sex, cause	Julie Ramsay	Prepublication online, submitted to JECH
Dissemination	Media discourse analysis	Analysis of public responses to LE stories on BBC website	Lynda Fenton	Analysis ongoing
Dissemination	Visualisation app	App for visualising the Human Mortality Database resource	Jon Minton	Completed, published online
Dissemination	Communications and engagement strategy	Strategy to maximise the impact of the work	Paige Somerville and Gerry McCartney	Live document, not published
Dissemination	Joint CMOs meeting	Presentation to UK CMO group, 20th February	Gerry McCartney	
Dissemination	Framing	Work to improve how the LE trend work is framed to maximise impact	Paige Somerville	
Dissemination	ScotPHO webpage	Webpage summarising all the work to date, synthesis and recommendations	Gerry McCartney	Online, constantly being updated
Influenza	Influenza contribution	Estimating the extent to which influenza can explain the trends	Arlene Reynolds, Richard Peabody, et al	Analysis underway
Limits to LE	Testing of 'limits to life expectancy' hypothesis	Ecological analysis of whether the trends in LE are slower in countries with higher LE	Jon Minton and Rebecca Devine	Writing up
Morbidity	Trends in Healthy Life Expectancy (HLE)	Analysis of the trends in morbidity and HLE	Grant Wyper	Writing up
Obesity	Ecological analysis	Analysis of whether countries with greater increases in obesity have seen the greatest slowdowns in	Rebecca Devine	Analysis ongoing
Services	Service pressures protocol	Analysis of the extent to which markers of health and social care pressures can explain trends in Scot	Christina Wraw	Analysis ongoing
Services	Service pressures analysis	Protocol for looking at the contribution of health and social care pressures can explain trends in Scot	Christina Wraw	Protocol submitted to BMJ Open
Descriptive	Projections	Compares projected with actual LE data for UK nations from 2011	Jon Minton	Submitted to JECH