









About this Bulletin

Welcome to the Newsflash, your monthly signpost to emerging research.

This complimentary digest highlights newly published peer-reviewed studies and key updates from public health and statistical agencies in the UK, US, and Canada, all selected for their relevance to the insurance and longevity sectors.

Rather than providing in-depth analysis, Newsflash is designed to guide you quickly and efficiently to valuable new material beyond the scope of our main bulletins, helping you stay informed and ahead of the curve.

Nicky Draper Director of Life and Health Consulting









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Newsletter Highlights

Journal updates - Highlights

A study by Zazueta-Borboa finds that the stagnation in life expectancy in England and Wales between 2011 and 2017 was driven largely by worsening mortality among middle-educated men and low-educated women, with widening educational inequalities accounting for around 27% of the slowdown.

Updates from statistical bodies - Highlights

In England, from 2020 to 2022, life expectancy inequality was 10.7 years for males and 8.5 years for females. Compared to 2017-2019, life expectancy in the most deprived areas decreased by 1.4 years for males (to 72.6 years) and 1.1 years for females (to 77.7 years).

Updates from other health bodies - Highlights

Mortality rates and estimates of life expectancy in England have improved since the COVID-19 pandemic. Although 2023 estimates of life expectancy were still lower, and overall mortality rates were still higher than pre-pandemic levels, provisional estimates for 2024 were similar to 2019.











Cardiovascular 4



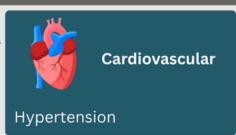


Burden of hypertensive heart disease attributed to metabolic factors from 1990 to 2021 at global, regional, and national levels: an analysis of the global burden of disease study 2021

Peng, B

Front Cardiovasc Med. 2025 May 29:12:1572392.eCollection 2025.

A GBD analysis of the contribution of metabolic factors to hypertensive heart disease.



doi: 10.3389/fcvm.2025.1572392

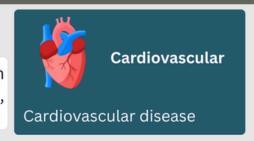


Comparison of excess mortality between atrial fibrillation, heart failure, myocardial infarction, and stroke: trends over 2000-2022

Vinter, N

Eur J Prev Cardiol, 2025 Jun 25:zwaf371.

Examination of the trends in realtive survival of atrial fibrillation (AF) compared with heart failure (HF), myocardial infarction (MI), and stroke.



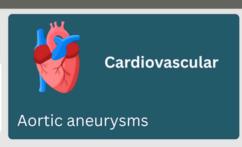
doi: 10.1093/eurjpc/zwaf371



Global, regional, and national trends in the epidemiology of aortic aneurysms among women of childbearing age, 1990-2021, with predictions through 2036

Wang, W BMC Public Health. 2025 Jul 2;25(1):2224.

A GBD analysis of the global burden of aortic aneurysms among women of childbearing age



doi: 10.1186/s12889-025-23502-9











Hepatology ()





Global, Regional and National Burden of Chronic Hepatitis C, 1990-2021: A Systematic Analysis for the GBD Study 2021

Li, Y J Viral Hepat. 2025 Aug;32(8):e70053.

A GBD analysis of chronic Hepatitis C.



doi: 10.1111/jvh.70053













Association between pace of biological aging and cancer and the modulating role of physical activity: a national cross-sectional study

Nong J Clin Epigenetics. 2025 Jun 16;17(1):103.

An exploration of the link between biological aging and cancer risk and the modulating role of physical activity.



doi: 10.1186/s13148-025-01912-1



Predictors of mood disturbance in older adults: a longitudinal cohort study

Wang FI Eur Geriatr Med. 2025 Jun;16(3):871-879. Epub 2025 Mar 5

An examination of the impact of socioeconomic status, race, health conditions, and cognitive function on mood disturbances in older adults.



doi: 10.1007/s41999-025-01178-z











Mortality and Longevity





Protective Measures Taken in Residential Care Homes in England During the COVID-19 Pandemic. An Assessment of the Change in Mortality Rates Before and During the COVID-19 Pandemic Years.

Stedman, M Infect Dis Ther. 2025 Jun 26.

The impact of protective measures taken in residential care homes in England on the risk of death following a COVID-19 infection.



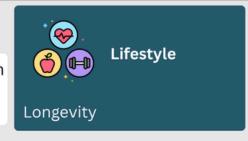
doi: 10.1007/s40121-025-01183-6



Trends in educational inequality in healthy life expectancy in Denmark between 2010 and 2021: a population-based study

Rosendahl Jensen, HA BMJ Open. 2025 Jul 3;15(7):e100851.

The association between trends in educational inequality in healthy life expectancy in Denmark 2010-2021.



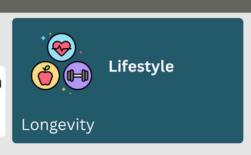
doi: 10.1136/bmjopen-2025-100851



Socioeconomic inequalities in life expectancy in Australia, 2013-22: an ecological study of trends and contributions of causes of death

Timonin, S Lancet Public Health. 2025 Jul;10(7):e599-e608.

An analysis of socioeconomic inequalities in life expectancy in Australia.



doi: 10.1016/S2468-2667(25)00138-0











Mortality and Longevity





The contribution of education-specific mortality trends to the life expectancy stagnation in England & Wales

Zzueta-borboa Eur J Epidemiol. 2025 May;40(5):511-515.

Widening educational inequalities in England and Wales and the contribution to stagnation in life expectancy since 2011.



doi: 10.1007/s10654-025-01251-8











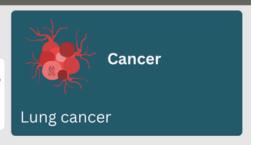


Global, regional and national burden of lung cancer attributable to PM2.5 air pollution: Trends from 1990 to 2021 with projections to 2045

Deng, Y

J Environ Manage. 2025 Jun 24:390:126216.

A GBD analysis of the impact of particulate matter 2.5 (PM 2.5), both ambient and household, on the burden of lung cancer.



doi: 10.1016/j.jenvman.2025.126216



Global, regional, and national burden of uterine cancer among women aged 50 years and older from 1990 to 2021: a systematic analysis for the global burden of disease study 202

Feng, T J Health Popul Nutr. 2025 Jun 18;44(1):208.

A GBD analysis of the burden of uterine cancer among women aged 50 years and older from 1990 to 2021



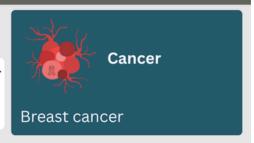
doi: 10.1186/s41043-025-00915-1



Global, regional, national incidence, and mortality of breast cancer in older women: A population-based cancer registry data analysis

Li, C Chin Med J (Engl). 2025 Jun 18.

A GBD analysis of the incidence and mortality of breast cancer in older women



doi: 10.1097/CM9.000000000003667













ONS Update





Healthy life expectancy by national area deprivation, England and Wales: between 2013 to 2015 and 2020 to 2022

Life expectancy and years expected to live in "good" health using national indices of deprivation to measure socioeconomic inequalities in England and Wales. Includes estimates of life expectancy between 2011 to 2013 and 2020 to 2022.



Lifestyle

Life expectancy

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthinequalities/bulletins/healthylifeexpectancybynationalareadeprivationenglandandwales/between20
13to2015and2020to2022



Geographical inequalities in premature mortality in England and Wales: March 2021 to December 2023

All-cause and cause-specific premature mortality rates for adults aged under 75 years in upper tier local authorities, accounting for differences in sociodemographic characteristics.



Lifestyle

Mortality

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthinequalities/bulletins/geographicalinequalitiesinprematuremortalityinenglandandwalesmarch2021todecember2023/may2025

Cember 2023/may2023











Infectious disease





Cases of Salmonella and Campylobacter highest in a decade

Both Campylobacter and Salmonella cases show a 17.1% increase from 2023 to 2024.



https://www.gov.uk/government/news/cases-of-salmonella-and-campylobacter-highest-in-a-decade







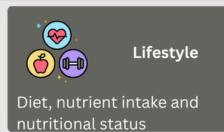






National Diet and Nutrition Survey 2019 to 2023

National Diet and Nutrition Survey (NDNS) results on the diet, nutrient intake and nutritional status of adults and children in the UK for 2019 to 2023.

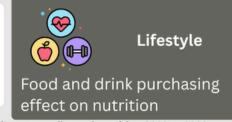


https://www.gov.uk/government/statistics/national-diet-and-nutrition-survey-2019-to-2023



Changes in food and drink purchasing behaviour and the impact on diet and nutrition: 2021 to 2023

Report highlighting how food and drink purchasing changed between 2021 and 2023 and the impact this had on diet and nutrition.



https://www.gov.uk/government/publications/changes-in-food-and-drink-purchasing-behaviour-and-the-impact-on-diet-and-nutrition-2021-to-2023











Mortality and Longevity





Recent mortality trends in England

This report provides up-to-date and long-term trends in mortality in England by sex, age group and cause of death, including provisional data for 2024.



https://www.gov.uk/government/publications/recent-mortality-trends-in-england













Uneven HPV uptake in some areas increases cervical cancer risk

UKHSA data shows inequalities in HPV vaccination uptake in different areas and regions across the country



https://www.gov.uk/government/news/uneven-hpv-uptake-in-some-areas-increases-cervical-cancer-risk









Our Ethos

At Crystallise we seek to clarify decision-making from biomedical evidence. Whether you are a pharmaceutical executive, healthcare manager or an actuary, we deliver high quality, competitively priced biomedical evidence syntheses, analyses and models – quickly, reliably and efficiently.

Our Vision

Crystallising medical evidence to improve decision making.

Our Mission

To make the synthesis and analysis of biomedical evidence more efficient, objective and reliable.

Our Values

Inclusiveness

Social responsibility

Innovation

Integrity

Reliability

Our Ethical Principles

Integrity

Transparency and Disclosure

Social and Public Good Consideration

Respect for Privacy and Confidentiality

Avoiding Conflicts of Interest

Accountability and Professionalism

Probity

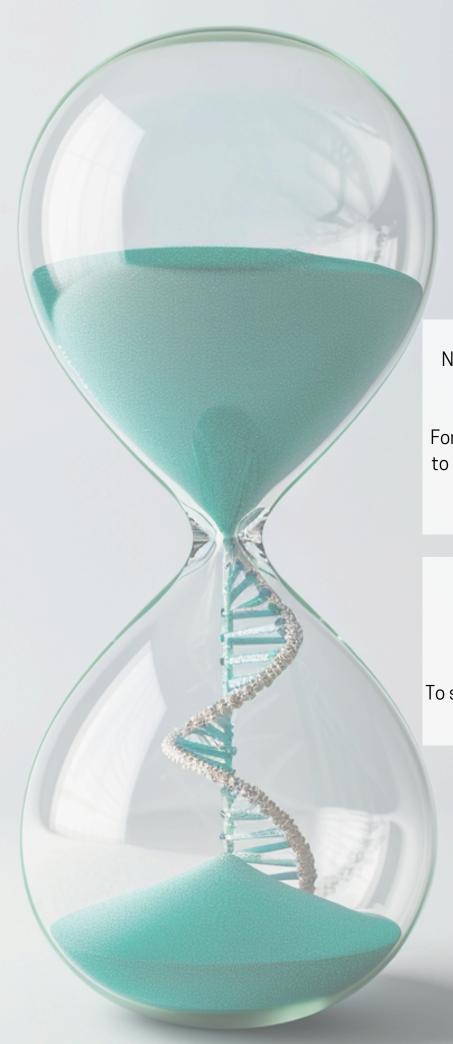
Justice

Honesty

Environmental Responsibility

Scientific and Methodological Rigour

Commitment to Continuous Ethical Reflection





Disclaimer:

No data analysis was performed in the studies included in this newsletter.

For further information, please subscribe to Longevity Perspectives by contacting Nicky Draper (nicky.draper@crystallise.com).

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