

Climate Change Bulletin

**Outputs from key organisations and new evidence
relating to the impact on health equity of climate
change in Scotland and beyond**

October 2025



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Recent journal articles (from Medline)

A selection of publications from the last month relating to areas of interest relating to climate change and health. Search criteria are available upon request from Knowledge Services and will be reviewed regularly to consider appropriateness and/or new areas of interest.

The searches are undertaken by PHS Knowledge Services. If you need any help with obtaining the full text of any of the articles, please contact

phs.knowledge@phs.scot

- Al-Hamad A, Metersky K and Yasin YM. **Embedding Climate Literacy in Canadian Nursing Curricula and Research: Lessons from Wildfires and Heat Waves**. Can J Nurs Res 2025; : 8445621251390291. 2025/10/21.
- Bearer CF, Molloy EJ, Tessema MT et al. **Global climate change: the defining issue of our time for our children's health**. Pediatr Res 2025; 98: 1170–1171. 2025/10.
- Bonthron AF, Piyasena C and Counsell SJ. **The effects of climate change on children's health**. Pediatr Clin North Am 2025; 72: 991–1001. 2025/10.
- Campbell EA, Holl F, Marwah HK et al. **The impact of climate change on vulnerable populations in pediatrics: opportunities for AI, digital health, and beyond-a scoping review and selected case studies**. Pediatr Res 2025; 98: 1250–1256. 2025/10.
- Catling C, McIntyre E, Hastie C et al. **Enhancing midwifery course curricula: validating knowledge and skills in climate change and planetary health**. Midwifery 2025; 149: 104573. 2025/10.
- Costa J. **Bridging the gap: a review on the interaction between (micro)plastics and climate change**. Philos Transact A Math Phys Eng Sci 2025; 383: 20240501. 2025/10/23.

- Curtis DS, Meeks HD, Smith KR et al. **Local environmental attributes and type 2 diabetes: Green amenities, walkability indicators, and air pollution are associated with incidence.** Environ Int 2025; 205: 109870. 2025/10/17.
- Della Croce Y and Nicole-Berva O. **Duties of healthcare institutions and climate justice.** J Med Ethics 2025; 51: 787–788. 2025/10/23.
- Díaz MY, Aguirre VG and Watkins L. **From conception to care: a systematic review of the impact of the climate crisis on reproductive justice.** Sexual and Reproductive Health Matters 2025; : 1–26. 2025/10/22.
- Doubleday A, Blanco M, Adar SD et al. **Traffic-related air pollutant exposure and physical performance in the Adult Changes in Thought cohort.** Environ Int 2025; 204: 109850. 2025/10/10.
- Dubas-Jakóbczyk K, George NS and Ndayishimiye C. **Health systems' adaptations to climate change: an umbrella review of global evidence protocol.** BMJ Open 2025; 15: e105492. 2025/10/02.
- Elson B and Murphy B. **A survey of attitudes, behaviours and barriers to environmental sustainability among healthcare staff at an NHS trust.** Leader 2025; 2025/10/08.
- Emirza EG, Uzun S and Şenses M. **Health professionals' thoughts and experiences on the effects of the global climate crisis on patients' mental health: A phenomenological study.** Public Health Nurs 2025; 2025/10/10.
- English T, Vásquez Hernández A, Miller G et al. **Dousing the burning inequity of global warming for people experiencing homelessness.** Med J Aust 2025; 2025/10/23.
- Goshua A, Gomez J, Erny B et al. **Child-focused climate change and health content in medical schools and pediatric residencies.** Pediatr Res 2025; 98: 1232–1237. 2025/10.

- Guo M, Wen LM, Li M et al. **Impacts of climate change on childhood obesity: an updated systematic literature review**. BMJ Open 2025; 15: e104383. 2025/10/29.
- Gupta S, Babu P, Haldar D et al. **The intersection of climate change and cancer across global populations: A bibliometric analysis (2000-2024)**. Cancer Epidemiol 2025; 99: 102926. 2025/10/16.
- Hébert JR, Holmberg R, Boncyk M et al. **Perspective: food environment, climate change, inflammation, diet, and health**. Adv Nutr 2025; 16: 100504. 2025/10.
- Hundessa S, Huang W, Xu R et al. **Global excess deaths associated with heatwaves in 2023 and the contribution of human-induced climate change**. Innovation (Camb) 2025; 6: 101110. 2025/10.
- Izurieta-Guevara M, Parise-Vasco JM, Lalangui K et al. **Climate Change and health: vulnerability pathways and resilience policies**. Medwave 2025; 25: e3096. 2025/10/27.
- Jochem C, Abu-Omar K, Baltruks D et al. **Commercial determinants of active travel: a crucial but overlooked barrier to health and sustainability**. Lancet Planet Health 2025; : 101340. 2025/10/11.
- Johnson S, Sims T, Obichere E et al. **The impact of climate change on cancer surgery and healthcare delivery: A review of environmental and surgical challenges**. Cancer Causes Control 2025; 36: 1001–1008. 2025/10.
- Khalsa DS, Lavretsky H, Reddy MY et al. **Air pollution and Alzheimer's disease prevention: The science and a prevention plan**. J Alzheimers Dis 2025; : 13872877251386482. 2025/10/24.
- Klapper P, Kulasegaran-Shylini R, Dodgson A et al. **Climate change and diagnostic samples - Opening Pandora's (post) box**. Public Health 2025; 249: 105983. 2025/10/06.

- Koh EY-P, Chan WF, Lim HCS et al. **Environmental sustainability in healthcare: impacts of climate change, challenges and opportunities.** Singapore Med J 2025; 66: S47–S56. 2025/10/01.
- Kounatidis DC, Evangelopoulos A, Geladari EV et al. **Antimicrobial resistance in the era of climate change: why we should all embrace and integrate the one health approach in clinical practice?** Antibiotics (Basel) 2025; 14. 2025/10/17.
- Langlais C, Demarque C, Mauduy M et al. **‘Limiting climate change’ or ‘finding substitutes’: how does action identification influence meat consumption reduction among young adults?** Appetite 2025; : 108167. 2025/06.
- Li A, Toll M, Chapman R et al. **Housing at the intersection of health and climate change.** Lancet Public Health 2025; 10: e865–e873. 2025/10.
- Lozano-Montoya I, Ruiz-Huerta C and Gómez-Pavón FJ. **Climate change and the health of older adults in Europe: a call for a geriatric climate medicine framework.** Eur Geriatr Med 2025; 2025/10/22.
- Marcolini F, Rocholl JK, Tempia Valenta S et al. **Eco-Anxiety in the Younger Generation: Mental Health Impact of Climate Change Across Age Groups in a Blood Donor Sample.** Int J Soc Psychiatry 2025; : 207640251380066. 2025/10/17.
- Marlier ME, Connolly R, Ma Y et al. **Compound climate exposures and public health: A synthesis of research and future directions.** Annu Rev Public Health 2025; 2025/10/28.
- Martin JS, Irfan S, Genyn H et al. **International Court of Justice’s ruling on climate change affirms states’ obligations to human and planetary health.** BMJ 2025; 391: r2240. 2025/10/27.
- McLellan RK, Berenji M, Egbuji A et al. **Harnessing occupational and environmental medicine expertise to transform medical care: A catalyst**

for mitigating the human health impacts of climate change. J Occup Environ Med 2025; 67: e743–e758. 2025/10/01.

- Mendez I, Barra PJ, Larama G et al. **Does climate change increase disease severity caused by crop pathogens? A Systematic Review.** Plant Dis 2025; 2025/10/15.
- Mikhailov D, Chunara R, Cucunubá Z et al. **Bridging climate and health data for decision making.** BMC Proc 2025; 19: 36. 2025/10/21.
- Milando CW, Black-Ingersoll F, Khemani M et al. **Filling the gaps in environmental justice data: the role of synthetic populations.** Environ Int 2025; 204: 109790. 2025/10.
- Mishu MP, Rabbani MG, Vereeken S et al. **Identifying interventions to support mental health for those affected by climate change and related extreme weather events: a scoping review.** Int J Environ Health Res 2025; : 1–27. 2025/10/08.
- Moosburger R, Richter A, Mensink GBM et al. **Perspectives of individuals on reducing meat consumption to mitigate climate change - a scoping review.** BMC Nutr 2025; 11: 185. 2025/10/13.
- Nguyen M-K, Walker TR, Lin C et al. **Emerging challenges of microplastic impacts to ecological health and climate change.** Mar Pollut Bull 2025; 222: 118778. 2025/10/03.
- Ogunbode CA, Player L, Lu S et al. **Climate anxiety in perspective: A look at dominant stressors in youth mental health and sleep.** Ann N Y Acad Sci 2025; 1552: 249–262. 2025/10.
- Orton M, Samuel G, Blakstad M et al. **Learning as a missing component of digital health, environment and climate change.** npj Digital Med 2025; 8: 633. 2025/10/29.

- Özhüner Y and Akıncı M. **Shaping tomorrow's care: assessing the influence of future midwives' knowledge and concerns about climate change on maternal and child health**. Public Health Nurs 2025; 2025/10/30.
- Park JY, Semchism S, Moyana CV et al. **Exploring climate-conscious pharmacy: considerations for community pharmacists**. Int J Pharm Pract 2025; 2025/10/24.
- Parsons ES, Jowell A, Veidis E et al. **Climate change and inequality**. Pediatr Res 2025; 98: 1238–1245. 2025/10.
- Pinho-Gomes A-C, Flores GC, Hulme R et al. **Women's health and wellbeing prioritisation in climate change national adaptation plans: A cross-sectional policy document analysis across 163 countries**. Environ Int 2025; 204: 109811. 2025/10.
- Qader MQ, Ayanlade O 'Seun, Ali AN et al. **Climate change anxiety and its effect on emotional and functional health: Regional analysis**. Acta Psychol (Amst) 2025; 260: 105724. 2025/10/14.
- Qi T, He C, Ren Q et al. **Climate change will make increasing people less comfortable: Insights from the weather preference index**. J Environ Manage 2025; 393: 126949. 2025/10.
- Riesco-Sanz A. **Collective bargaining and social dialogue as instruments to protect workers from heatwaves and climate change in the European Union**. Ind Health 2025; 2025/10/28.
- Sdona E, Pyko A, Stenfors C et al. **The “things” we adjust for in greenness epidemiology: relationships between greenness and lifestyle and environmental factors in the Swedish SCAPIS cohort**. Environ Int 2025; 205: 109876. 2025/10/22.
- Shaligram D, Acquaye A, Wortzel JR et al. **Climate mental health disparities: A biopsychosociocultural perspective**. J Am Acad Child Adolesc Psychiatry 2025; 64: 1115–1120. 2025/10.

- Smith R, Chen K, Winner D et al. **The Climate-Health Communication Gap: Connecting the Dots to Drive Climate Health Action**. Health Commun 2025; :1–23. 2025/10/29.
- Soleimanpour S, Moslehi S, Dowlati M et al. **Vector-Borne Diseases and Climate Change: A Community Health Nursing Perspective Using an Umbrella Review**. Public Health Nurs 2025; 2025/10/30.
- Tang WSW and Ho CSH. **A systematic review on the impact of climate change on occupational mental health: a focus on vulnerable industries**. Soc Psychiatry Psychiatr Epidemiol 2025; 60: 2275–2287. 2025/10.
- Uppalapati SS, Campbell E, Kotcher J et al. **Public Engagement with Climate Change and Health: A Global Literature Review**. Ecohealth 2025; 2025/10/20.
- Wasmus H, Fleck L, Schmidt T et al. **Addressing youths' climate change-related distress: a qualitative study on the experience of burden, triggering and protective factors**. BMJ Ment Health 2025; 28. 2025/10/02.
- Watson D, Hogg T, Crandon T et al. **Conceptualizing young people's experiences of climate change awareness: A narrative review**. Ann N Y Acad Sci 2025; 2025/10/26.
- Whitman M, Barajas-Ochoa A, Sastry S et al. **Plant-Based Diets and Climate Change, A Perspective for Infectious Disease Providers**. Open Forum Infect Dis 2025; 12: ofaf222. 2025/10/10.
- Woh PY, Chau MC and Wang W. **Antimicrobial resistance and climate change in the One Health food safety paradigm: A global perspective**. Sci Total Environ 2025; 1001: 180499. 2025/10/25.
- Xu J, Wang Q, Anikeeva O et al. **Effects of extreme heat on physiology, morbidity, and mortality under climate change: mechanisms and clinical implications**. BMJ 2025; 391: e084675. 2025/10/29.

- **Wildfire smoke and its harmful effects will worsen with climate change.**
Nature 2025; 2025/10/29.

Recent social policy and practice publications (from Idox)

The Idox Knowledge Exchange is a repository of information relating to public and social policy and practice. Register for access [here](#). Below are this month's results from a broad climate change search focussing on publications relating to climate change factors that will have impact within Scotland and the UK.

- Whitehead, Alan. **Independent review of greenhouse gas removals**
Department for Energy Security and Net Zero
Published: 2025 Pages: 195
- Edgar, Laura. **Designing homes and communities for a hotter, wetter future**, IN The Planner, Sep/Oct 2025, pp5-9
Journal article. Published: 2025 Pages: 5
- Environmental Audit Committee. **Flood resilience in England: fourth report of session** 2024–26 (HC 550) House of Commons Environmental Audit Committee. Published: 2025 Pages: 80
- Barry Born, Theo. **Coastal unsettlement: housing and home on an eroding coastline** UK Collaborative Centre for Housing Evidence (CaCHE)
Published: 2025 Pages: 20
- Coote, Anna; Ewart-Biggs, Harry. **Good, green homes for all: envisaging housing as a universal basic service** New Economics Foundation (NEF)
Published: 2025 Pages: 54

- Gardens Trust. **Harnessing parks and gardens in the 21st century: how historic landscapes can support and enhance our today and tomorrow**
Gardens Trust. Published: 2025 Pages: 31
- Gilmour, Ruairidh. **Seeds of change**, IN Holyrood, Vol 554 Sep 2025, pp39-42. Journal article. Published: 2025 Pages: 4
- Watfern, Chloe; Carnemolla, Philippa. **Inclusive climate action: a scoping review on the representation and inclusion of people with intellectual disability in climate change research**, IN British Journal of Learning Disabilities, Vol 53 No 3 Sep 2025, pp428-445. Journal article..
Published: 2025 Pages: 18

Recent reports and news (grey literature)

A rundown of publications from key public health organisations within the last month.

- **Response to the Government's Carbon Budget and Growth Delivery Plan** — Climate Change Committee, 29 October 2025.
- **Progress in adapting to climate change: 2025 report** — Climate Change Committee, October 2025.
- **Decarbonisation readiness: standard rules consultation** — Environment Agency, 23 October 2025.
- **CoastCraft to inspire next generation of environmental champions to fight virtual coastal erosion** — Environment Agency, 3 October 2025.
- **Europe's Environment 2025: Providing Knowledge for Action** — European Environment Agency, 29 September 2025 (updated through October).
- **Urgent climate action in the UK will save lives, reduce costs, and secure a healthier future for all** — UKHACC, 29 October 2025.

- **UKHACC Bulletin October 2025** — UKHACC, 17 October 2025.
- **Scrapping the Climate Change Act would be an act of self-harm** — UKHACC, 7 October 2025.
- **Third hearing of the Pan-European Commission on Climate and Health** — WHO Europe, 9 October 2025.
- **Carbon dioxide levels increase by record amount to new highs in 2024** — WMO, 15 October 2025.
- **World Meteorological Congress endorses actions to promote AI for forecasts and warnings** — WMO, 24 October 2025.
- **WMO Members Adopt Historic Youth Action Plan** — WMO, 23 October 2025.
- **Extraordinary WMO Congress will accelerate drive for life-saving early warnings** — WMO, 20 October 2025.

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All reasonable care is taken to ensure that the information we provide is accurate and we accept no responsibility for the content provided. The information provided is selective; however, the inclusion of a link does not imply approval of the contents of the website.

This is not meant as an exhaustive list of publications on these topics for the given time period, but rather a selection as seen most relevant. This document is for internal use only.

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