

Climate Change Bulletin

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

April 2025



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Recent journal articles (from Medline)

A selection of publications from the last month relating to areas of interest about 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

- Barbour V. **Accountability frameworks for climate change and health: research is leading the way.** Medical Journal of Australia 2025; 222: 271–271. 2025/04/07.
- Bastug KA, Schwartz EL and Sam-Agudu NA. **The impact of environmental changes on infectious diseases among children in North America.** Curr Opin Pediatr 2025; 37: 153–164. 2025/04/01.
- Cartwright A, Khalatbari-Soltani S and Zhang Y. **Housing conditions and the health and wellbeing impacts of climate change: A scoping review.** Environ Res 2025; 270: 120846. 2025/04/01.
- Chen K, Lu Y and Krumholz HM. **Wildfires, compound extreme events, climate change, and cardiovascular health.** J Am Coll Cardiol 2025; 85: 1379–1381. 2025/04.
- Cuartas J, Bhatia A, Carter D et al. **Climate change is a threat multiplier for violence against children.** Child Abuse Negl 2025; 162: 106430. 2025/04.
- Dahri K, Pookpun TA and Pammett R. **Canadian pharmacy educators' perspectives on sustainable healthcare topics in pharmacy curriculum.** Am J Pharm Educ 2025; : 101403. 2025/04/07.
- Dzau VJ, Laitner MH, Balatbat CA et al. **Climate Change and Human Health - A Research Agenda for Action.** N Engl J Med 2025; 2025/04/22.

- Fanzo J, Carducci B, Louis-Jean J et al. **Climate change, extreme weather events, food security, and nutrition: evolving relationships and critical challenges**. *Annu Rev Nutr* 2025; 2025/04/16.
- Gulcebi MI, Leddy S, Behl K et al. **Imperatives and co-benefits of research into climate change and neurological disease**. *Nat Rev Neurol* 2025; 21: 216–228. 2025/04.
- Habibi P, Razmjouei J, Badzohreh A et al. **Climate change and chronic kidney disease (CKD) among outdoor workers: a systematic review**. *Int J Biometeorol* 2025; 2025/04/05.
- Harmon O'Driscoll J, Healy MG, Siggins A et al. **Quantifying the influence of climate change on pesticide risks in drinking water**. *Sci Total Environ* 2025; 972: 179090. 2025/04/01.
- Hess JJ and Ebi KL. **An Evidence-Based Approach to Climate Change and Health**. *JAMA* 2025; 333: 1253–1254. 2025/04/08.
- Hussain M, Khan N, Morton G et al. **From vulnerability to strength: transforming health systems for climate resilience**. *J Urban Health* 2025; 2025/04/04.
- Imberti L, Tiecco G, Logiudice J et al. **Effects of climate change on the immune system: A narrative review**. *Health Sci Rep* 2025; 8: e70627. 2025/04/18.
- 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; 2025/04/22.
- Katz GM, Arigoni D, Rice MB et al. **Addressing the health impacts of climate change in older adults**. *JAMA Intern Med* 2025; 185: 362–363. 2025/04/01.
- Kern de Castro E and Reis M. **Contributions of health psychology to climate change: A review**. *Int J Environ Res Public Health* 2025; 22. 2025/04/17.

- Meherali S, Nisa S, Aynalem YA et al. **Impact of climate change on adolescents' health outcomes: an evidence gap map review.** J Adolesc 2025; 97: 609–619. 2025/04.
- Mihailidou AS and Gulati M. **Impact of climate change and the environment on cardiovascular health and role of healthcare.** American Heart Journal Plus: Cardiology Research and Practice 2025; 52: 100510. 2025/04.
- Mohamed M, Amin S, Lever E et al. **Climate change and child wellbeing: a systematic evidence and gap map on impacts, mitigation, and adaptation.** Lancet Planet Health 2025; 9: e337–e346. 2025/04.
- Noor J, Bezgrebelna M, Kerman N et al. **Heat-Related Health Risks for People Experiencing Homelessness: A Rapid Review.** J Urban Health 2025; 102: 305–331. 2025/04.
- Nucci D, Pennisi F, Pinto A et al. **Impact of extreme weather events on food security among older people: a systematic review.** Aging Clin Exp Res 2025; 37: 137. 2025/04/30.
- Petrino R, Garcia-Castrillo L, Uccheddu G et al. **Awareness and preparedness of health systems and emergency medicine systems to the climate change challenges and threats: an international survey.** Eur J Emerg Med 2025; 32: 100–108. 2025/04/01.
- Raulf M and Annesi-Maesano I. **Occupational allergy and climate change.** Curr Opin Allergy Clin Immunol 2025; 25: 83–87. 2025/04/01.
- Richard-Greenblatt M, Omosule CL, Owusu Agyare B et al. **The impact of climate change on laboratory medicine: A global health perspective.** Clin Chem 2025; 71: 438–444. 2025/04/03.
- Taff SD, Yoo MG, Carlson KA et al. **Climate change and occupational therapy: meeting the urgent need for adaptation, mitigation, and resilience.** Occup Ther Health Care 2025; 39: 296–313. 2025/04.

- Thurston GD, Andersen ZJ, Belesova K et al. **Transitioning from climate ambitions to climate actions through public health policy initiatives.** Environ Epidemiol 2025; 9: e373. 2025/04.
- Vercammen A, Wray B, Crider YS et al. **Psychological impacts of climate change on US youth.** Proc Natl Acad Sci USA 2025; 122: e2311400122. 2025/04/22.
- Viennet E, Dean MM, Kircher J et al. **Blood under pressure: how climate change threatens blood safety and supply chains.** Lancet Planet Health 2025; 9: e304–e313. 2025/04.
- Xue T, Kang N and Zhu T. **Health-Oriented Strategy for Clean Air and Climate Actions: Differential Health Effects of Atmospheric Components.** Annu Rev Public Health 2025; 46: 275–294. 2025/04.
- Zhao T, Heinrich J, Brauer M et al. **Urban greenspace under a changing climate: Benefit or harm for allergies and respiratory health?** Environ Epidemiol 2025; 9: e372. 2025/04.

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.

- Howarth, C., Mitia, A. & Beswick A. **Resilient net zero: exploring low-emission cooling solutions to extreme heat.** Grantham Research Institute on Climate Change and the Environment, April 2025.
- London Councils. **London leading: case studies in climate resilience leadership.** March 2025.

Recent reports and news (grey literature)

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

- Climate Change Committee. **Progress in adapting to climate change: 2025 report to Parliament**. CCC, 30 April 2025.
- Climate Change Committee. **Research to develop indicators that monitor adaptation: APR25**. CCC, 30 April 2025.
- EEA. **EU's energy sector leads the way in cuts to greenhouse gas emissions in 2023**. EEA, 16 April 2025.
- Scottish Government. **Scottish climate survey: main findings**. SG, 22 April 2025.
- Scottish Government. **Scottish climate survey: technical report**. SG, 22 April 2025.
- Scottish Government. **Tackling fuel poverty in Scotland: periodic report 2021-2024**. SG, 01 April 2025.
- UK Health Alliance on Climate Change. **UKHACC Bulletin April 2025**. UKHACC, 18 April 2025.
- UK Health Alliance on Climate Change. **Insufficient action to protect people from the impacts of climate change and a health system not equipped to cope**. UKHACC, 30 April 2025.
- World Meteorological Organization. **European State of the Climate: extreme events in warmest year on record**. WMO, 15 April 2025.

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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.

Contact

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