

Climate Change Bulletin

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

January 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

- Ashe N, Wozniak S, Conner M et al. **Association of extreme heat events with sleep and cardiovascular health: a scoping review**. Syst Rev 2025; 14: 19. 2025/01/22.
- Batibeniz F, Seneviratne SI, Jha S et al. **Rapid climate action is needed: comparing heat vs. COVID-19-related mortality**. Sci Rep 2025; 15: 1002. 2025/01/06.
- Beevers S, Assareh N, Beddows A et al. **Climate change policies reduce air pollution and increase physical activity: Benefits, costs, inequalities, and indoor exposures**. Environ Int 2025; 195: 109164. 2025/01.
- Butler CD. **Eco-anxiety, climate change and the “bottom billion”: a plea for better understanding**. BMJ Ment Health 2025; 28. 2025/01/15.
- 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; 2025/01/29.
- Chen S, Zolo Y, Ngulube L et al. **Global surgery and climate change: how global surgery can prioritise both the health of the planet and its people**. BMC Surg 2025; 25: 21. 2025/01/11.

- Clayton S and Parnes MF. **Anxiety and activism in response to climate change.** Curr Opin Psychol 2025; 62: 101996. 2025/01/23.
- Cohen ES, Kringos DS, Kouwenberg LHJA et al. **Patient perspectives on climate friendly healthcare: an exploratory study in obstetrics and gynaecology.** Patient Educ Couns 2025; 130: 108427. 2025/01.
- Cole AP, Qian Z, Gupta N et al. **Urology on a changing planet: links between climate change and urological disease.** Nat Rev Urol 2025; 2025/01/28.
- Deng B, Boden J, Ye N et al. Life in green: **Associations between greenspace availability and mental health over the lifecourse - A 40-year prospective birth cohort study.** Environ Int 2024; 195: 109223. 2024/12/20.
- Gaithuma J, Chor S, Natukunda A et al. **Empowering youth as agents of change: Gaps and opportunities for meaningful youth engagement (MAYE) for sustainable nutrition, climate and public health programmes.** Matern Child Nutr 2025; 21: e13730. 2025/01.
- Gondek TM. **Climate change, socioeconomic transition and mental health.** Curr Opin Psychiatry 2025; 38: 1–2. 2025/01/01.
- Goniewicz K, Burkle FM and Khorram-Manesh A. **Transforming global public health: Climate collaboration, political challenges, and systemic change.** J Infect Public Health 2025; 18: 102615. 2025/01.
- Haber LA, Cloud DH, Boudin C et al. **The intersection of climate justice and criminal justice: extreme heat and health inequities in carceral facilities.** JAMA 2025; 2025/01/22.
- Hart J, Lignou S and Sheehan M. **Environmental sustainability and the limits of healthcare resource allocation.** Bioethics 2025; 2025/01/27.
- He Y-S, Cao F, Hu X et al. **Time trends in the burden of environmental heat and cold exposure among children and adolescents.** JAMA Pediatr 2025; 179: 55–64. 2025/01/01.

- Karl S, Brandt L, Luykx JJ et al. **Impact of climate change, biodiversity loss, and pollution on the incidence and manifestation of depressive and anxiety disorders.** *Curr Opin Psychiatry* 2025; 38: 35–40. 2025/01/01.
- Khraishah H, Ostergard RL, Nabi SR et al. **Climate change and cardiovascular disease: who is vulnerable?** *Arterioscler Thromb Vasc Biol* 2025; 45: 23–36. 2025/01.
- Kumar V, S H, Huligowda LKD et al. **Environmental pollutants as emerging concerns for cardiac diseases: A review on their impacts on cardiac health.** *Biomedicines* 2025; 13. 2025/01/20.
- Marinaccio A, Gariazzo C, Taiano L et al. **Climate change and occupational health and safety. Risk of injuries, productivity loss and the co-benefits perspective.** *Environ Res* 2025; 269: 120844. 2025/01/18.
- Masselot P, Mistry MN, Rao S et al. **Estimating future heat-related and cold-related mortality under climate change, demographic and adaptation scenarios in 854 European cities.** *Nat Med* 2025; 2025/01/27.
- Metzendorf M-I, Madrid E and van Raaij E. **Reducing the environmental impact of healthcare to improve health, sustainability and equity.** *BMJ Evid Based Med* 2025; : bmjebm-2024-113124. 2025/01/22.
- Rao S, Aunan K, Budin-Ljøsne I et al. **The need for health equitable climate adaptation policies in Northern Europe.** *Scand J Public Health* 2025; : 14034948241290074. 2025/01/30.
- Sandal S, Onu U, Fung W et al. **Assessing the role of education level on climate change belief, concern and action: a multinational survey of healthcare professionals in nephrology.** *J Nephrol* 2025; 2025/01/29.
- Segala FV, Guido G, Stroffolini G et al. **Insights into the ecological and climate crisis: Emerging infections threatening human health.** *Acta Trop* 2025; 262: 107531. 2025/01/19.

- Suleman S, Hasen G, Melaku T et al. **Effect of tropical climates on the quality of commonly used antibiotics: the protocol for a systematic review and meta-analysis.** BMJ Open 2025; 15: e090849. 2025/01/06.
- Symons X. **The virtues of limits and environmental sustainability in healthcare.** Bioethics 2025; 2025/01/22.
- Thompson R, Tong X, Shen X et al. **Longitudinal associations between air pollution and incident dementia as mediated by MRI-measured brain volumes in the UK Biobank.** Environ Int 2024; 195: 109219. 2024/12/17.
- Tran HM, Tsai F-J, Lee K-Y et al. **Extreme temperature increases the risk of COPD morbimortality: A systematic review and meta-analysis.** Sci Total Environ 2024; 958: 178087. 2024/12/17.
- Urrutia-Pereira M and Solé D. **Impact of climate change and air pollution on childhood respiratory health.** J Pediatr (Rio J) 2024; 2024/12/17.
- Wyns A. **New national climate plans offer the best opportunity yet to secure a healthy and stable future.** Lancet Planet Health 2025; 9: e2–e3. 2025/01.

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.

- Chapman, A. **Airport expansion would cancel out carbon savings of clean power plan.** New Economics Foundation. January 2025.
- Historic Environment Forum. **Heritage sector net zero projects audit.** January 2025.

- Howarth C., Aranda M, Beswick A. and Elstow L. **Preparing for extreme heat in London while minimising greenhouse gas emissions: a focus on emergency responses.** Grantham Research Institute on Climate Change and the Environment. January 2025.

Recent reports and news (grey literature)

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

- Scottish Government. **Closer energy and climate cooperation with the EU.** SG, 29 January 2025.
- Scottish Government. **Scottish climate action hubs: independent evaluation.** SG, 24 January 2025.
- Scottish Government. **Scottish climate action hubs: models research.** SG, 24 January 2025.
- UK Health Alliance on Climate Change. **UKHACC Bulletin January 2025.** UKHACC, 17 January 2025.
- UK Health Alliance on Climate Change. **Government urged to set out low traffic vision in 2025.** UKHACC, 15 January 2025.
- UK Health Alliance on Climate Change. **2024 end of year report.** UKHACC, 22 January 2025.
- World Meteorological Organization. **Weather and climate services inform transition to clean energy.** WMO, 24 January 2025.

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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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