

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 2024



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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

- Addison TEJ, Mackenzie A, Massazza A et al. **Climate and mental health: a roadmap to global heat resilience**. J Physiol (Lond) 2024; 602: 4675–4677. 2024/10.
- Anikeeva O, Hansen A, Varghese B et al. **The impact of increasing temperatures due to climate change on infectious diseases**. BMJ 2024; 387: e079343. 2024/10/04.
- Berentson Shaw J. **How healthcare professionals can change the systems damaging our climate**. BMJ 2024; : q2162. 2024/10/08.
- Bianco G, Espinoza-Chávez RM, Ashigbie PG et al. **Projected impact of climate change on human health in low- and middle-income countries: a systematic review**. BMJ Glob Health 2024; 8. 2024/10/02.
- Boekhorst F, Savona-Ventura C, Mahmood T et al. **The effects of climate change and environmental pollution on human reproduction: A scientific review commissioned by the European Board and College of Obstetrics and Gynaecology (EBCOG)**. Eur J Obstet Gynecol Reprod Biol 2024; 301: 19–23. 2024/10.
- Braithwaite J, Smith CL, Leask E et al. **Strategies and tactics to reduce the impact of healthcare on climate change: systematic review**. BMJ 2024; 387: e081284. 2024/10/08.

- Chakraborty N, Halder S, Keswani C et al. **New aspects of the effects of climate change on interactions between plants and microbiomes: A review.** J Basic Microbiol 2024; 64: e2400345. 2024/10.
- De Waele JJ, Hunfeld N, Baid H et al. **Environmental sustainability in intensive care: the path forward. An ESICM Green Paper.** Intensive Care Med 2024; 2024/10/08.
- Dellaripa PF, Sung LH, Bain PA et al. **American College of Rheumatology White Paper: The Effects of Climate Change on Rheumatic Conditions-An Evolving Landscape and a Path Forward.** Arthritis Rheumatol 2024; 76: 1459–1466. 2024/10.
- Dilger AE, Meiklejohn DA, Bent JP et al. **Climate change and environmental sustainability in otolaryngology: A state-of-the-art review.** Surgeon 2024; 22: 270–275. 2024/10.
- Duijvestein M, Sidhu R, Zimmermann K et al. **The United European Gastroenterology green paper-climate change and gastroenterology.** United European Gastroenterol J 2024; 2024/10/25.
- Fawad M, Ullah S and Xu X. **Climate-responsive telemedicine: Innovative strategy for enhancing healthcare in the face of climate change.** J Glob Health 2024; 14: 03043. 2024/10/18.
- Feng F, Ma Y, Qin P et al. **Temperature-Driven Dengue Transmission in a Changing Climate: Patterns, Trends, and Future Projections.** GeoHealth 2024; 8: e2024GH001059. 2024/10.
- Fernández Salgueiro M, Cernuda Martínez JA, Gan RK et al. **Climate change and antibiotic resistance: A scoping review.** Environ Microbiol Rep 2024; 16: e70008. 2024/10.
- Francis DL, Reddy SSP, Logaranjani A et al. **Climate change and oral health: Assessing the impacts and developing strategies for adaptation.** Oral Dis 2024; 30: 4792–4793. 2024/10.

- Franco Silva M, Favarão Leão AL, O'Connor Á et al. **Understanding the relationships between physical activity and climate change: an umbrella review.** J Phys Act Health 2024; : 1–13. 2024/10/10.
- Ghosh AK, Azan A, Basu G et al. **Building Climate Change into Medical Education: A Society of General Internal Medicine Position Statement.** J Gen Intern Med 2024; 39: 2581–2589. 2024/10.
- Kang Y, Park J and Jang D-H. **Compound impact of heatwaves on vulnerable groups considering age, income, and disability.** Sci Rep 2024; 14: 24732. 2024/10/21.
- Kumar N, Latha Telagarapu VM and Fornoni A. **Climate change, heat stress, and kidney disease–associated mortality and health care utilization.** Kidney Int Rep 2024; 9: 2844–2847. 2024/10.
- Li Z, Fan Y, Xu Z et al. **Exceptional heatwaves and mortality in Europe: Greater impacts since the coronavirus disease 2019 outbreak.** Environ Pollut 2024; 363: 125058. 2024/10/05.
- Liu Y, Dajnak D, Assareh N et al. **Impact of net zero policy scenarios on air pollution inequalities in England and Wales.** Environ Int 2024; 193: 109065. 2024/10/15.
- Meherali S, Aynalem YA, Nisa SU et al. **Impact of climate change on child outcomes: an evidence gap map review.** BMJ PO 2024; 8. 2024/10/14.
- Mehta MM, Johnson AE, Ratnakaran B et al. **Climate change and aging: implications for psychiatric care.** Curr Psychiatry Rep 2024; 26: 499–513. 2024/10.
- Murage P, Macintyre HL, Heaviside C et al. **Future temperature-related mortality in the UK under climate change scenarios: Impact of population ageing and bias-corrected climate projections.** Environ Res 2024; 259: 119565. 2024/10/15.
- Palmeiro-Silva Y, Aravena-Contreras R, Izcue Gana J et al. **Climate-related health impact indicators for public health surveillance in a changing climate: a**

systematic review and local suitability analysis. Lancet Reg Health Am 2024; 38: 100854. 2024/10.

- Parenteau AM, Hang S, Swartz JR et al. **Clearing the air: A systematic review of studies on air pollution and childhood brain outcomes to mobilize policy change.** Dev Cogn Neurosci 2024; 69: 101436. 2024/10.
- Park MK, Baek S, Jeong DW et al. **Nurses' perceptions and behaviours regarding climate change and health: A quantile regression analysis.** J Adv Nurs 2024; 2024/10/15.
- Piatek SJ, Haines A and Larson HJ. **We need to tackle the growing threat of mis- and disinformation about climate change and health.** BMJ 2024; : q2187. 2024/10/09.
- Portela Dos Santos O, Perruchoud É, Pereira F et al. **Measuring Nurses' Knowledge and Awareness of Climate Change and Climate-Associated Diseases: Systematic Review of Existing Instruments.** Nurs Rep 2024; 14: 2850–2876. 2024/10/08.
- Semenza JC and Rocklöv J. **Co-benefits of climate change mitigation for infectious disease control.** Lancet Planet Health 2024; 8: e720. 2024/10.
- Sorensen C and Hospedales J. **Training health leaders to strengthen our response to the climate crisis.** BMJ 2024; 387: q2086. 2024/10/08.
- Waja M and Fitchett JM. **Exploring perceived relationships between weather, climate and mental health: biometeorological perspectives of healthcare practitioners.** Int J Biometeorol 2024; 2024/10/09.
- Ward A, Rogers HH, Tulleners T et al. **Nursing in 2050: Navigating dual realities of climate change in healthcare.** Nurs Inq 2024; 31: e12666. 2024/10.
- Woolley G, Kroll K, Hoffman K et al. **The Climate Change Burden on Immune Health: Are Persons Living with HIV More at Risk?** AIDS Res Hum Retroviruses 2024; 40: 549–554. 2024/10.

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.

- Evans, J., Massey-Chase, B. and Singer Hobbs, M. **Driving 'natural renewal': the progressive case for restoring the natural environment**. Institute for Public Policy Research. 2024
- Griffith, R. and Nicholls, M. **Financing UK place-based climate action: from Westminster to Cumberland**. Just Transition Commission. 2024
- Just Transition Commission. **A just transition for Shetland**. Just Transition Commission. 2024.
- National Audit Office. **Achieving environmental improvement and responding to climate change: enablers for success**. National Audit Office. 2024.
- O'Connell, S. and Davies, N. **Climate and health: protecting people in the UK from extreme heat**. Green Alliance. 2024.
- O'Connell, S. **Climate and health: rising to the mental health challenge of climate change**. Green Alliance. 2024.

Recent reports and news (grey literature)

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

- Climate Change Committee. **CCC advises 81% reduction in emissions by 2035**. CCC, 26 October 2024.

- European Environment Agency. **EEA Trends and Projections: EU greenhouse gas emissions see significant drop in 2023.** EEA, 31 October 2024.
- European Environment Agency. **Europe's state of water 2024: the need for improved water resilience.** EEA, 14 October 2024.
- Public Health Scotland. **An interim assessment of NHS Scotland greenspace.** PHS, 22 October 2024.
- UK Health Alliance on Climate Change. **UKHACC Bulletin October 2024.** UKHACC, 18 October 2024.
- World Meteorological Organization. **WMO report highlights growing shortfalls and stress in global water resources.** WMO, 07 October 2024.

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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.

Contact

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