

Climate Change Bulletin

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

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This bulletin is produced every month by PHS Knowledge Services on behalf of the PHS Climate Change and Sustainability Cross Organisation Group.

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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

1. Augustin J, Gilge S, Appel H et al. **Climate Change, Air Quality, and Pollen Allergies-State of the Art and Recommendations for Research and Public Health**. *Allergy* 2026; 81: 663–683. 2026/03.
2. Berdida DJE, Fernandez AJ, Albacea LJA et al. **The mediating role of nursing students' eco-anxiety between climate change risk perception on human health and sustainability attitudes and awareness: A structural equation model**. *Nurse Educ Today* 2026; 162: 107061. 2026/03/05.
3. Bhugra D. **Climate change and its impact on mental health**. *Neuropsychiatr* 2026; 40: 31–36. 2026/03.
4. Borge R, de la Paz D, Fernández L et al. **Development of an advanced air pollution and climate change analysis and assessment system for the city of Madrid (SIMAD)**. *Environ Int* 2026; 209: 110176. 2026/03.
5. Brandt L, De Prisco M, Nocera D et al. **Climate-Related and Nature-Based Interventions for Mental Health: An Umbrella Review and Meta-Analysis**. *JAMA Psychiatry* 2026; 2026/03/04.
6. Cecchi L and Maesano IA. **Legends of allergology and clinical immunology: gennaro d'amato, a pioneer in climate change and respiratory health**. *Allergy* 2026; 2026/03/31.

7. Charada Y, Pignon B, Lemogne C et al. **Short-term exposure to air pollution and depressive symptoms: Findings from the French CONSTANCES cohort.** Environ Int 2026; 210: 110200. 2026/03/15.
8. Christian C, Mukondwa R, Webb KA et al. **Climate change and tuberculosis: enhancing impact through an implementation science informed agenda.** Environ Health 2026; 25. 2026/03/26.
9. Claire-Del Granado R and Lumlertgul N. **Climate change and AKI: heat, hazards and health-system readiness.** Nat Rev Nephrol 2026; 22: 171–173. 2026/03.
10. Corlin L, Kraft C, Haghazarian E et al. **Climate, migration and health: a global perspective.** bmjpo 2026; 10. 2026/03/04.
11. Dajnak D, Walton H, Evangelopoulos D et al. **Can the UK meet the World Health Organization PM2.5 interim target of 10 µg m⁻³ by 2030? Part II: Associated health and economic benefits.** Environ Int 2026; 209: 110189. 2026/03/11.
12. Deziel NC and Bell ML. **Unequal exposures, unequal attention: advancing environmental health research in rural areas.** Environ Int 2026; 209: 110173. 2026/03/04.
13. Di Gessa G and Zaninotto P. **Attitudes toward Climate Change Risk Among Older People: New Evidence from the English Longitudinal Study of Ageing.** J Gerontol B Psychol Sci Soc Sci 2026; 2026/03/10.
14. Dissanayake S, Suggett J and Kaplan A. **Climate Change and the Switch from Pressurised Metered-Dose Inhalers to Dry Powder Inhalers: A Proportionate Balancing of Risk and Reward?** Pulm Ther 2026; 2026/03/12.
15. Doğan Kaya A and Çelik Bekleviç A. **Green Hospital Awareness: Evidence from Healthcare Technician Students.** Healthcare (Basel) 2026; 14. 2026/03/12.

16. Effing SM, Zhang J, Tuffier S et al. **Long-term exposure to air pollution and 5-year mortality after lung cancer diagnosis: a Danish nurse cohort study**. *Environ Int* 2026; 209: 110168. 2026/03.
17. El-Sayed AAI, Younes BM, Alsenany SA et al. **Green Culture, Nurses' Climate Change Skepticism, and Eco-Capability in Hospitals: A Cross-Sectional Study**. *Int Nurs Rev* 2026; 73: e70162. 2026/03.
18. Ferguson K, Atuire CA, McDermid SS et al. **Justice and responsibility in climate change adaptation research**. *Bull World Health Organ* 2026; 104: 184–193. 2026/03/01.
19. Ghebrehewet S and McNee R. **Climate change as the next pandemic: the imperative for climate conscious healthcare and public health practice**. *J Public Health (Oxf)* 2026; 48: 1–3. 2026/03/06.
20. Grapsas S and Massarwe A. **Commentary: Should we worry about climate worry? Understanding and promoting youth resilience and pro-environmental engagement: a commentary on Park et al. (2026)**. *Child Adolesc Ment Health* 2026; 2026/03/25.
21. Guo J, Semenza JC, Ecke F et al. **A pan-European assessment of multi-sector drivers of human hantavirus risk: climate, biodiversity, and socio-economic factors as key determinants**. *Environ Res* 2026; 298: 124282. 2026/03/15.
22. Haahtela T, O'Mahony L, Traidl-Hoffmann C et al. **EAACI guidelines on the importance of green space in urban environments for allergy and asthma prevention**. *Allergy* 2026; 81: 635–650. 2026/03.
23. Hofmann HS, Gorges J and Biallas B. **The synergy of environmental awareness, occupational physical activity and effects of climate change in German craftspeople**. *Int J Occup Saf Ergon* 2026; 32: 270–278. 2026/03.
24. Humphreys G. **Alejandro Daly: bridging the gap between climate and health**. *Bull World Health Organ* 2026; 104: 143–144. 2026/03/01.

25. Johannessen A, Thorsteinsson T, Geels C et al. **Air pollution and childhood asthma in Iceland - Results from a low-pollution area.** Environ Int 2026; 209: 110170. 2026/03.
26. Karacan E, Kuşlu S and Güngörmüş Z. **The impact of university students' hope levels for mitigating climate change on their climate change anxiety: Evidence from Turkey.** Psychol Health Med 2026; : 1–17. 2026/03/12.
27. Klinsky S, Chitre S, Richardson ET et al. **Climate reparations for threats to health.** BMJ Glob Health 2026; 11. 2026/03/23.
28. Kyriakoudi SA, Kritsanou E, Anestis A et al. **Climate change and health impacts “through undergraduate medical students” eyes”: a cross-sectional study in Greece.”** Int J Environ Health Res 2026; : 1–12. 2026/03/02.
29. Lamichhane DK, VanDerslice JA, Lurmann F et al. **Independent and interactive effects of wet bulb globe temperature and air pollution exposures on suicide mortality.** Environ Int 2026; 209: 110152. 2026/03.
30. Larancuent C, Jacob C, San Martin S et al. **Leveraging pediatric healthcare settings to screen for environmental health risks.** Curr Opin Pediatr 2026; 2026/03/23.
31. Li H, Zhu Q, Chang HH et al. **Air pollution as a mediator of heat-related all-cause mortality among older U.S. adults.** Environ Int 2026; 209: 110181. 2026/03/06.
32. Loftus MJ, Lokmic-Tomkins Z, Eades O et al. **Australian healthcare workers' perspectives, practices, and perceived barriers to a more environmentally sustainable health system: a cross-sectional survey.** BMC Health Serv Res 2026; 2026/03/31.
33. Maciel Ferreira JE de S and Costa da Silva CB. **The new reality of occupational health in the face of climate change.** Hisp Health Care Int 2026; 2026/01/13.

34. Majumdar A, Johnson DR and Moulick D. **Managing environmental antimicrobial resistance (AMR) under climate change: current gaps and future needs**. *Integr Environ Assess Manag* 2026; 22: 329–330. 2026/03/01.
35. McGraw KE, Lieberman-Cribbin W and Navas-Acien A. **Climate change and epidemiology: how will environmental stresses and the climate affect population health?** *Circ Popul Health Outcomes* 2026; 19: e012567. 2026/03.
36. Menatti L. **Medicine, healthcare and the environment: from the salutogenic approach towards the salutogenic environments**. *Stud Hist Philos Sci* 2026; 116: 102115. 2026/03.
37. Misiti F and Sannella A. **Climate change, epigenetics, microbiota, and health**. *Int J Environ Res Public Health* 2026; 23. 2026/03/18.
38. Montes-Piña L, Badanta B and de Diego-Cordero R. **Decarbonizing the spanish health system: A qualitative study on the implementation of environmental regulations and management strategies in health institutions**. *Healthcare (Basel)* 2026; 14. 2026/03/17.
39. Naik N, Bot K, Whiteman G et al. **A framework for assessing global health impacts of polar change: An urgent call for interdisciplinary research**. *Ambio* 2026; 55: 529–545. 2026/03.
40. Nayna Schwerdtle P, Woodward A, McLeman R et al. **Framing climate change, migration, and health as a syndemic**. *Lancet Planet Health* 2026; : 101443. 2026/03/03.
41. Nordrum OL, Waters I, Dunlea S et al. **Medical Education Must Address Climate Change and Planetary Health**. *Irish Medical Journal* 2026; 119: 52. 2026.
42. Olsen S, Cunsolo A, Lammiman J et al. **The role of collective grieving in supporting wellbeing and capacity for climate action**. *Ambio* 2026; 55: 636–646. 2026/03.

43. Önal B, Kocaman AA and Onal SN. **Factors associated with climate change worry in older adults: a multidimensional health perspective**. BMC Geriatr 2026; 2026/03/28.
44. Or Z. **Greening healthcare through circular economy: advancing health and sustainability in policy and practice**. Eur J Public Health 2026; 36: ii8–ii13. 2026/03/01.
45. Pancras G, Nazziwa W, Nderitu D et al. **Research ethics committees and regulation of climate change and health research**. Bull World Health Organ 2026; 104: 168–174. 2026/03/01.
46. Pratt B, van der Graaf R and Samuel G. **WHO’s criteria for ethical health research priority-setting in the context of climate change**. Bull World Health Organ 2026; 104: 155–162. 2026/03/01.
47. Qian C, Parascandalo F, Khakban I et al. **Transforming healthcare: the PEACH Approach to reducing emissions and achieving net-zero**. leader 2026; 10: 74–77. 2026/03/25.
48. Rajzer M, Wojciechowska W, Januszewicz A et al. **The impact of environmental pollution and climate change on hypertension: a position paper by the European Society of Hypertension (ESH) Working Group on Environment in Hypertension**. Cardiovasc Res 2026; 2026/03/20.
49. Ronen GM. **Disability and climate crises: opportunities to move beyond recognizing ethical responsibility and to take action**. Pediatr Neurol 2026; 176: 13–19. 2026/03.
50. Saad A, Khan M, Estol CJ et al. **Stroke and climate change: A world stroke organization scientific statement**. Int J Stroke 2026; : 17474930261436536. 2026/03/15.
51. Saunders MJ, Boccia D, Khan PY et al. **Climate change and tuberculosis: an analytical framework**. Lancet Respir Med 2026; 14: 267–280. 2026/03.

52. Singer ME and Negev M. **Disparate climate change health costs: the emissions, vulnerability, and readiness nexus**. *Ecohealth* 2026; 23: 11–17. 2026/03.
53. Slonim M, Simms-Cendan J, Aguilar A et al. **FIGIJ advocacy statement on climate change**. *J Pediatr Adolesc Gynecol* 2026; 2026/03/21.
54. Sögüt SC, Cangöl E and Taştemel TÇ. **The relationship between climate change anxiety levels and fertility awareness levels in a sample of women in Turkey: a cross-sectional study**. *BMC Womens Health* 2026; 26. 2026/03/08.
55. Sparks MS, East JD, Garcia-Menendez F et al. **Air quality alerts, health impacts, and adaptation implications under varying climate policy**. *Environ Sci Technol* 2026; 2026/03/22.
56. Subiza-Pérez M, Pérez K, Roué-Le Gall A et al. **Urban health research: shaping integrated policies for health, equity, sustainability, and climate**. *Eur J Public Health* 2026; 36: ii20–ii24. 2026/03/01.
57. Torales J, Barrios I, Ventriglio A et al. **Climate change and mental health: A multinational study of climate-anxiety, coping, and psychosocial responses**. *Asian J Psychiatr* 2026; 117: 104859. 2026/03.
58. Ubalde J, Bradshaw C, Fatima SH et al. **Systematic review of climate change interventions for improving child health**. *bmjpo* 2026; 10. 2026/03/19.
59. Ugwu LE, Obuaku-Igwe C and Idemudia ES. **The impact of climate change on the mental health of the ageing population: a systematic review**. *Aging Ment Health* 2026; : 1–15. 2026/03/04.
60. Uppalapati SS, Campbell E, Kotcher J et al. **Public Engagement with Climate Change and Health: A Global Literature Review**. *Ecohealth* 2026; 23: 58–70. 2026/03.
61. van der Valk JPM, Chin-See-Chong TC, Veen JCCMI 't et al. **Climate Change and Asthma: Work-Related Risks and Planetary Implications**. *J Occup Environ Med* 2026; 68: 198–202. 2026/03/01.

62. Vardoulakis S, Kazda L, Haddock R et al. **Australian research on climate change and health interventions: A systematic mapping review**. Med J Aust 2026; 224: e70165. 2026/03.
63. Vizheh M, Smith CL, Rahimiardabili H et al. Mitigating healthcare's contributions to climate change: the pivotal role of effective leadership and governance. leader 2026; 2026/03/31. <https://doi.org/10.1136/leader-2025-001328>
64. Wright K and Littler K. **An ethical basis for research into health and climate change**. Bull World Health Organ 2026; 104: 138-138A. 2026/03/01.
65. Yong M, Xu Y, von Hagen A et al. **Interventions for promoting climate actions and enhancing psychological health: a scoping review protocol**. JBI Evid Synth 2026; 24: 539–546. 2026/03/01.
66. Zeidan S and Wise BL. **The relationship between climate change and rheumatic disease: A review**. Int Arch Allergy Immunol 2026; : 1–21. 2026/03/21.
67. Zhang Y-C, Zhang L, Zhou P-T et al. **Environmental exposure to air pollution and climate: Intersecting the impact on ear and nose health and chemosensory function (Review)**. Int J Mol Med 2026; 57. 2026/03.
68. Zhou X and Ding D. **Climate change and dementia: the impacts of social inequalities**. Curr Opin Psychiatry 2026; 39: 129–135. 2026/03/01.

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.

- Alvis, Sam; Jenkinson, Sofia. **Adapt or die why: progressives need to deal with extreme weather**. Institute for Public Policy Research (IPPR), 2026.
- Burnett, Nuala et al. **The UK's plans and progress to reach net zero by 2050 (House of Commons Library research briefing no 9888)**. House of Commons Library, 2026.
- Clegg, Liam; Eckersley, Peter. **Accelerating local climate action**. Climate Emergency UK, 2026.
- Court, Rebecca. **Nature-focused community-led climate action: what impacts can it make and how can we measure them?** National Lottery Community Fund, 2026.
- Cuckow, Anna. **Investing in places: learnings from the Net Zero Living Programme for local net zero planning and attracting investment**. Regen, 2026.
- de Canson, Agathe; Regan, Zara; Hewlett, Kirstie. **Hopeful futures: lessons on involving the public in decisions around climate adaptation (three London councils)**. Policy Institute, King's College London, 2026.
- Hannon, Matthew et al. **Stick or twist? Why the UK's net-zero strategy is faltering and may need to change**. Strathclyde Institute for Sustainable Communities, University of Strathclyde, 2026.
- Ipsos UK. **Declining urgency, enduring support: public attitudes to net zero and climate policy**. Policy Institute, King's College London, 2026.
- Kurth, Anna et al. **How can city administrations innovate to advance green transitions while strengthening democracy? A typology of innovations for democratic green transitions**. UCL Institute for Innovation and Public Purpose, 2026.

- Massey-Chase, Becca; Akehurst, Steve; Alvis, Sam. **Apathy and opposition: understanding the real threats of net zero**. Institute for Public Policy Research (IPPR), 2026.

Grey literature

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

- Climate Change Committee (CCC). **Supplementary analysis of the Seventh Carbon Budget: costs, benefits, sensitivities and system-wide implications of the Balanced Pathway**. London: CCC; 2026 Mar 11.
- European Environment Agency (EEA). **Climate-resilient agriculture may benefit farmers' incomes**. Copenhagen: EEA; 2026 Mar 17.
- European Environment Agency (EEA). **Social fairness key to success of the EU's new ETS2 cap-and-trade system**. Copenhagen: EEA; 2026 Mar 5.
- European Environment Agency (EEA). **Exposure to pollution linked to depression, anxiety and other mental health issues**. Copenhagen: EEA; 2026 Mar 3.
- UK Department for Energy Security and Net Zero. **Social Housing Decarbonisation Fund statistics: March 2026**. London: GOV.UK; 2026 Mar 26.
- Aberdeenshire Council. **Revised environment and climate change policy agreed**. Aberdeenshire: GOV.UK; 2026 Mar 3.
- Public Health Wales. **Climate Response Plan and Climate Adaptation Report 2026–2028**. Cardiff: Public Health Wales; 2026 Mar 26.
- UK Health Alliance on Climate Change (UKHACC). **UKHACC Bulletin – March 2026**. London: UKHACC; 2026 Mar 13.

- World Health Organization Regional Office for Europe. **Action for climate change: examples from the WHO Regions for Health Network**. Copenhagen: WHO Europe; 2026 Mar 9.
- World Meteorological Organization (WMO). **Earth's climate swings increasingly out of balance**. Geneva: WMO; 2026 Mar 23.

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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. This document is for internal use only.