

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. Akaras E, Sözlü U. **The relationship between future anxiety and global climate change awareness among physiotherapy students in Turkey: a cross-sectional study**. BMC Medical Education. 2026.
2. Akhter J, Javed MN, Iqbal Kahut K, Umar M, Noshab M. **Surgical training in the age of climate crises: preparing green future surgeons**. Annals of Medicine & Surgery. 2026;88(6):3034–6.
3. Ataç Öksüz M, Akay B, Aydın D. **Hope or Anxiety for the Future? Associations of Climate Change Awareness and Hope With Eco-Anxiety Among Nursing Students**. International Nursing Review. 2026;73(2):e70195.
4. Aydın CM, Karabulutlu Ö, Kavas T. **The relationship between climate change anxiety, death anxiety, and psychological resilience in older adults with chronic illnesses**. BMC Geriatrics. 2026.
5. Ballard MS, Walsh EJ, Freeman LA, Blumstein DT, Lin YT. **Introduction to the Special Issue on climate change: How the sound of the planet reflects the health of the planet**. The Journal of the Acoustical Society of America. 2026;159(6):5388–91.
6. Benmarhnia T, Chartres N. **Climate Change and Health Inequities: Evidence and Action for Vulnerable Populations**. American Journal of Public Health. 2026;116(6):761–4.

7. Blackburn H, Gruenberg K, Chen E, Forrester C, Brock T, Gahbauer A. **Addressing climate change and environmental sustainability in pharmacy: pharmacists' perceptions, training, and behaviours**. The International Journal of Pharmacy Practice. 2026;34(3):258–66.
8. Booth A, Breen L, Wieringa S, Shaw SE. **Planetary health leadership to drive climate action across pharmaceutical supply chains: insights from qualitative research and a call to action**. BMJ Leader. 2026;10(2):165–71.
9. Boos K, Yamaguchi N, Moore C, Lowe D, Keyes B. **Excellence in a Changing Climate: A Case for Climate-Informed, Environmentally Conscious Physical Therapy Education**. Journal of Physical Therapy Education. 2026;40(2):122–30.
10. Bower M, Filia K, Lawrance EL, Card KG, Teesson L, Smout S, et al. **Climate change and social health**. Nature Human Behaviour. 2026;10(6):1026–40.
11. Brass DP, White SM, Burthe SJ, Schäfer SM, Purse BV. **The effect of historic climate change on the population dynamics of Ixodes ricinus**. Journal of the Royal Society Interface. 2026;23(239).
12. Butterworth NJ, Moore KJ, Hall MD. **Hotter, faster, sicker? Warming shifts the cost of infection from individuals to populations**. The Journal of Animal Ecology. 2026.
13. Cerceo E. **Healthcare sustainability and the planetary crisis: A solution orientation**. European Journal of Internal Medicine. 2026;106993.
14. Choa E, Vlahov D, Poghosyan H. **Mental health disparities from climate change: the role of housing insecurity and LGBTQ+ identity, California, 2023**. American Journal of Public Health. 2026;116(6):779–89.
15. Clougherty JE, Kinnee EJ, Sheffield PE. **Local Violence as an Environmental Exposure with Increasing Relevance under Climate Change: A Conceptual Framework**. Journal of Urban Health. 2026;103(3):484–96.

- 16.Cuartas J, Balza LH, Camacho A, Gómez-Parra N. **Ambient heat and early childhood development: a cross-national analysis**. Journal of Child Psychology and Psychiatry, and Allied Disciplines. 2026;67(6):929–40.
- 17.DeFelice J. **Naegleria fowleri and Risk of Primary Amoebic Meningoencephalitis in a Changing Climate: A Scoping Review of Biomedical Literature**. International Journal of Environmental Research and Public Health. 2026;23(6).
- 18.DiPietro Mager NA, Mager JN. **Addressing the impact of climate change on health using the pharmacists' patient care process**. Journal of the American College of Clinical Pharmacy (JAACP). 2026;9(6).
- 19.Dissanayake S, Suggett J, Kaplan A. **Climate Change and the Switch from Pressurised Metered-Dose Inhalers to Dry Powder Inhalers: A Proportionate Balancing of Risk and Reward?** Pulmonary Therapy. 2026;12(2):413–23.
- 20.Ellinger da Fonseca C, Jain N. **Climate change and medical education**. Pediatric Clinics of North America. 2026;73(3):565–73.
- 21.Feau N, Hessenauer P, Robin C, Tanney JB. **Emerging tree diseases driven by climate change: A critical perspective on current challenges and future directions**. Annual Review of Phytopathology. 2026.
- 22.Flower G, Cole R, Libardi ADLC, Mieiro L, Quint JK, Gasparini A, et al. **Extreme heat and cause-specific risk of hospital admission in the adult population in England: a case time series analysis**. BMJ Open. 2026;16(6):e105321.
- 23.Freese N, Hesse A, Tetzlaff B-O, Salloch S. **Climate change and professional responsibility: a cross-sectional survey among German general practitioners**. BMC Medical Ethics. 2026;27(1).
- 24.Giordano K, Matthews-Trigg N, Dresser C. **Climate change and children: disaster preparedness and adaptation strategies**. Pediatric Clinics of North America. 2026;73(3):687–708.

25. Grace JM, Kassa MD. **Public health challenges of climate change-induced non-communicable diseases in vulnerable populations and resource-limited healthcare system: a systematic review**. BMC Public Health. 2026.
26. Granés L, Essers E, Kusters MSW, Petricola S, Tiemeier PH, Soriano-Mas PC, et al. **Early life ambient temperature and brain volumes change throughout childhood**. Environment International. 2026;214:110385.
27. Guo J, Semenza JC, Ecke F, Rizzoli A, Dagostin F, Ulrich RG, et al. **A pan-European assessment of multi-sector drivers of human hantavirus risk: climate, biodiversity, and socio-economic factors as key determinants**. Environmental Research. 2026;298:124282.
28. Guo K, Meas D, Bower M. **Z-topia: Gen Z perspectives on mental health in a changing climate**. Social Psychiatry and Psychiatric Epidemiology. 2026.
29. Gunasiri H, Lawrance EL, Menssink JM, Patrick R, Wilson C, Gresham B, et al. **Therapeutic strategies to manage climate distress among young people**. The Lancet Planetary Health. 2026;10:1470.
30. Han BY, Wood EH, Patel MI. **Climate change and cancer care: disruptions, disparities, and strategies for resilient oncology systems**. American Society of Clinical Oncology Educational Book. 2026;46(3):e521644.
31. Heimrath K, Rupprecht M, Schranz M, Klein T, Unterkofler J, Schilling T, et al. **KlimaNot-Effects of Climate Change on Emergency and Acute Care: Protocol for a Multicenter, Registry-Based Observational Cohort Study**. JMIR Research Protocols. 2026;15:e82267.
32. Helminen V, Jokela M, Elovainio M. **Disentangling climate worry and psychological distress: data from the UK household longitudinal study**. International Journal of Psychology. 2026;61(3):e70221.
33. Hiatt RA, Burgess JL, Mathur P, Nogueira LM. **Climate change and environmental exposures across the cancer continuum: implications for oncology**. American Society of Clinical Oncology Educational Book. 2026;46(3):e521654.

34. Hill-Harding CKV, Papies EK, Barsalou LW, Reid K. **From hope and action to giving up: Students' stories of coping with climate change.** *Applied Psychology: Health and Well-Being*. 2026;18(3):e70168.
35. Iñiguez C, Salvador C, Agay-Shay K, Chang HH, de'Donato F, Kim Y, et al. **The burden of premature births attributed to heat across 13 countries.** *Environment International*. 2026;212:110286.
36. Javadi P, O'Rourke P, Fuhrman J, Loughlin DH, Doney SC, Shobe W, et al. **Large-Scale Carbon Removal Will Create Public Health, Economic, and Climate Trade-Offs.** *Environmental Science & Technology*. 2026;60(24):17192–205.
37. Kalwaney S, Patel L. **Climate change and child nutrition.** *Pediatric Clinics of North America*. 2026;73(3):555–64.
38. Kriit HK, Chen-Xu J, Semenza JC, Heiliger H, Markandya A, Dasandi N, et al. **The 2026 Europe report of the Lancet Countdown on health and climate change: narrowing window for decisive health action.** *The Lancet Public Health*. 2026;11(6):e386–407.
39. Lewandowski A, Shah SH, Bernstein J, Zielinski A. **Climate-Related Health Impacts and Mitigation Strategies in Clinical Settings.** *Pediatric Clinics of North America*. 2026;73(3):593–612.
40. Lo Bianco M, Rossi A, Rinella S, Leonardi R, Bektas H, Carapancea E, et al. **Climate change and neurological disorders in childhood: A scoping review.** *European Journal of Paediatric Neurology*. 2026;62:61–75.
41. Mann DM, Thiel C, Henning N, Lawrence K, Stevens ER. **Beyond Public Health and Medicine: The Potential Impact of GLP-1s and Other Incretin Mimetic Medications on Greenhouse Gas Emissions.** *Journal of Public Health Management and Practice*. 2026.
42. Manolis AS, Manolis AA, Manolis TA, Vouliotis A. **Occupational and Environment-Related Cardiovascular Disease: A Comprehensive Review of the Literature.** *Current Vascular Pharmacology*. 2026.

43. Marwah HK, McShane M, Schapiro L. **Climate change and children's health: A global perspective**. Pediatric Clinics of North America. 2026;73(3):523–39.
44. Milazzo S, Clarke C, Moon C, Sheffield P. **The impact of climate change on pediatric mental and behavioral health**. Pediatric Clinics of North America. 2026;73(3):541–54.
45. Mishu MP, Rabbani MG, Vereeken S, Tkach E, Martin-Kerry J, Chowdhury TF, et al. **Identifying interventions to support mental health for those affected by climate change and related extreme weather events: a scoping review**. International Journal of Environmental Health Research. 2026;36(6):1196–222.
46. Moon C, Millstein A, Trousdale K, Byron L. **The First Step Is Easier than You Think: Walking the Path of a Pediatric Climate Health Advocate**. Pediatric Clinics of North America. 2026;73(3):637–59.
47. Natarajan L, Ranjit Mohan A, Ali H, Adamkiewicz G, Rajendra P, Al-Mulla F, et al. **Climate Change and Diabetes Outcomes: Evidence from Climate-Vulnerable Regions**. Current Diabetes Reports. 2026;26(1).
48. Nerlinger A, Brokamp C, Swiatek W, Koster A, Beck AF. **Climate change and pediatric population health management**. Pediatric Clinics of North America. 2026;73(3):661–85.
49. Noor J, Flanagan E, Lacap LM, Farooq M, Bezgrebelna M, Fung K, et al. **The implications of climate change for the learning and development of children and youth living in poverty**. The Lancet Public Health. 2026;11(6):e408–16.
50. Ong H, Cerceo E. **The role of pediatric hospital systems in addressing the climate crisis**. Pediatric Clinics of North America. 2026;73(3):623–35.
51. Pascual P, Caudwell A, De Man S, Lally M, Desrumaux E, Rigoine de Fougérolles T, et al. **Exploring the Impact of Delivering Allergy Medication**

as Self-Care on Healthcare Greenhouse Gas Emissions in the United Kingdom. *Advances in Therapy*. 2026.

52. Quijal-Zamorano M, Masselot P, Gasparrini A, Vicedo-Cabrera AM. **Projecting climate change impacts on health: A tutorial integrating the latest climate and demographic scenarios.** *Environmental Epidemiology*. 2026;10(3):e489.
53. Ranney ML, Zimmerman JB. **Solutions-Oriented Science: Combating Fatalism Regarding Climate Change and Health.** *American Journal of Public Health*. 2026;116(6):743–5.
54. Rosado E Silva R, Dittrich S, Donato H, Millett C. **The impact of climate change on the emergence and reemergence of diseases transmitted by mosquitoes in temperate regions: an umbrella review.** *Portuguese Journal of Public Health*. 2026;44(1):85–96.
55. Sansone V, Paduano G, Liguori F, Gallè F, Pelullo CP. **Climate change and sustainable healthcare: knowledge, attitudes, and educational role of healthcare workers.** *Healthcare (Basel)*. 2026;14(11).
56. Sapkota A. **Understudied Climate Change Attributes and Health Threats.** *American Journal of Public Health*. 2026;116(6):775–6.
57. Shah SH, Whitman E, Story D, Manning K, Hauptman M. **The intersection of climate and equity in clinical pediatric practice.** *Pediatric Clinics of North America*. 2026;73(3):575–92.
58. Shi X, Li T, Wang Y, Liu Q, Wang J, Ban J, et al. **Climate change and infectious diseases: translating evidence into action.** *Infectious Diseases of Poverty*. 2026;15(1).
59. Sodano B, Destefanis C, Vecchi S, De Sario M, Di Girolamo C, Ricceri F. **Climate Change-Related extreme events and inequities in health outcomes: An umbrella review.** *Environmental Research*. 2026;305(Pt 2):125008.

60. Stinson S, Joyce S, Forrest S, Franklin P. **Community knowledge gap of climate change health effects: Findings of a cross-sectional state-based survey**. Australian and New Zealand Journal of Public Health. 2026;50(3):100307.
61. Sussman R. **Returning Public Health to the National Conversation on Climate Change**. American Journal of Public Health. 2026;116(6):772–4.
62. Taboun O, DesRoche C, Hanneman K. **Imperative for a health-centred focus on climate change in radiology**. Journal of Medical Imaging and Radiation Oncology. 2026;70(4):356–63.
63. Terra MF, Lachtim SAF, de Mello Abdalla FT, Travassos LRFC, Ribeiro DC, Fernandes LOM, et al. **Climate change and health: gender and social inequalities in contexts of urban vulnerability among women**. BMC Women's Health. 2026.
64. The Lancet Public Health. **Climate change and health: closing the gaps**. The Lancet Public Health. 2026;11(6):e349.
65. Tolladay J, Yau C. **Investigating the effect of climate and air pollution on prescription uptake in England**. BMC Public Health. 2026.
66. Ülger TG, Gençer Şendur E, Tunçer E, Çelik İ, Bektaş M. **Development and Validation of the ClimHealth-K: A Scale for Assessing Perceived Knowledge and Awareness of Climate Change-Related Health Effects**. Nursing & Health Sciences. 2026;28(2):e70350.
67. van Selm L, Williams S, Elafef E, Marti-Soler H, Vecchi S, de'Donato F, et al. **Heat-related illness symptoms among migrant farmworkers: a systematic literature review and meta-analysis**. BMC Public Health. 2026.
68. Veneziano FA, Schiavon G, Mistrulli R, De Luca L. **Heart failure at the crossroads of climate change and environmental health: emerging risks, mechanistic insights, and future directions**. Monaldi Archives for Chest Disease. 2026.

- 69.Vereen RJ, Greeson K, Leong M, Cicero MX, Shah SI, Brumberg HL. **Equipping perinatal teams to practice climate-smart healthcare**. Journal of Perinatology. 2026.
- 70.Visciano P. **Potential increase in known and emerging biotoxins in marine ecosystem due to climate change and subsequent health issues**. Foods. 2026;15(12).
- 71.Weissbrodt R, Roos P, Krsmanovic B, Juvet TM, Corbaz-Kurth S, Fournier C-A, et al. **Adapting and mitigating: an exploratory Delphi approach to climate change impacts on healthcare institutions in Switzerland**. Dialogues in Health. 2026;8:100275.
- 72.Wilson E, Anderson K, Johnson N. **“We don’t know what we don’t know”: rural council officers’ perceptions of the gendered impacts of climate change in Australia**. BMC Public Health. 2026.
- 73.Wang X, Li Y, Zhang X, Li W, Qin B, Bi X. **Climate change and chronic kidney disease: A global analysis integrating the Global Burden of Disease Study 2021 with TerraClimate data**. Environmental Research. 2026;300:124425.
- 74.Yilmaz E, DesRoche C, Masselot P, Kirpalani A, Ertl-Wagner B, Aguet J, et al. **Projected Increases in Heat-Related Emergency Department Imaging Utilization Under Climate Change Scenarios**. Canadian Association of Radiologists Journal. 2026;8465371261457322.
- 75.Zeljic K, Rasolomalala N, Michalek JE, Solomon S, Rasamison H, Ramarason S, et al. **Unheard voices: the overlooked mental health toll of climate change in vulnerable communities**. BMJ Mental Health. 2026;29(1).
- 76.Zhang Y, Wang Z, Yu Y, Li Q, Zhou C, Deng L, et al. **Multiscale impacts of harmful algal blooms and toxins on aquatic ecosystem structure and function: a systematic review**. Environmental Science: Processes & Impacts. 2026.

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.

- Brett, Lou et al. **Climate change adaptation investment need across five sectors in Scotland**. ClimateXChange, University of Edinburgh. 2026.
- Central London Forward. **Adapting to the rising risk of climate change: local government in central London**. Central London Forward. 2026.
- Greater London Authority (GLA). **Heat Ready London: adapting the city to a warmer climate**. Greater London Authority (GLA). 2026.
- Israelsson, Jennifer et al. **Are local authority green infrastructure strategies in England addressing climate and environmental risks to public health?** A policy review, IN Nature-Based Solutions, Vol 9 Jun 2026, Article 100291, pp1-7.
- Pennington, Lois. **How cities can decarbonise culture: lessons from Liverpool's year as the first UN Climate Change Accelerator City**. Tyndall Centre for Climate Change Research. 2026.
- Transition Economics. **Job destruction from dismantling the UK's climate action policy framework**. Transition Economics. 2026.
- Winder, Jon. **Living with extreme heat in London**. University of Liverpool. 2026.

Grey literature

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

- Climate Change Committee. **Progress in reducing emissions 2026 report to Parliament**. London: CCC; 2026 Jun 24.
- Climate Change Committee. **Faster electrification would cut UK household bills, say climate advisers**. 2026 Jun 24.
- Climate Change Committee. **Response to the Government's Seventh Carbon Budget target**. 2026 Jun 2.
- Foley J. **Tackling flood risk inequality**. Environment Agency Blog; 2026 Jun 25.
- European Environment Agency. **Climate change impacts, risks and adaptation**. 2026 Jun 17.
- European Environment Agency. **Extreme weather: floods, droughts and heatwaves**. 2026 Jun 21.
- European Environment Agency. **Extreme weather and uneven climate change adaptation challenge Europe's resilience**. 2026 Jun 11.
- European Environment Agency. **"Climate impacts and preparedness in Europe" launched with new data**. 2026 Jun 2.
- Public Health Agency. **Hot Weather Advice**. 2026 Jun 23.
- Foreign, Commonwealth & Development Office; Department for Energy Security and Net Zero; Department for Environment, Food & Rural Affairs. **International Climate Finance Strategy 2026**. 2026 Jun 22
- Public Health Wales. **Climate Response Plan 2026–2028: Our Pathway to Net Zero and Climate Resilience**. 2026 Jun.

- UK Health Security Agency. **How to keep cool and stay well during hot weather**. 2026 Jun 23.
- UK Health Alliance on Climate Change. **UKHACC News Bulletin June 2026**. 2026 Jun 12.
- World Health Organization Regional Office for Europe. **Strengthening heat–health action plans to protect public health, with WHO guidance**. 2026 Jun 2.
- World Health Organization Regional Office for Europe. **Heat Action Day: New WHO guidance helps authorities better protect people from the effects of heat**. 2026 Jun 11.
- Kluge HHP. **Statement – Europe lost 200,000 people to heat in 4 years yet nearly all of them were preventable**. WHO Europe; 2026 Jun 11
- Kluge HHP. **Statement – Get prepared: current European Region heatwaves are a dress rehearsal**. WHO Europe; 2026 Jun 30.
- World Health Organization Regional Office for Europe. **Launch of new WHO Heat–Health Action Plans Guidance**. 2026 Jun 11.
- World Meteorological Organization. **Record-breaking heat spreads through Europe**. 2026 Jun 29.

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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.