

Sustainability in Healthcare update November 2023

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Case Studies

[Greener NHS \(england.nhs.uk\)](https://www.greener.nhs.uk)

[A mixed-methods analysis of the climate impact, acceptability, feasibility and cost of switching from single-use pulp to reusable plastic trays in a large NHS trust | *Future Healthcare Journal*](#)

COP 28

[Over 120 countries back COP28 UAE Climate and Health Declaration delivering breakthrough moment for health in climate talks](#)

[Global health community calls for urgent action on climate and health at COP28 \(who.int\)](#)

[COP28 HEALTHLETTER](#)

Digital

[Enhancing Sustainability through Accessible Health Platforms: A Scoping Review - Sustainability](#)

[How to promote telemedicine patient adoption behavior for greener healthcare? - Journal of Cleaner Production](#)

[Operational greenhouse-gas emissions of deep learning in digital pathology: a modelling study - The Lancet Digital Health](#)

Education

[Care for the Environment as a Consideration in Bioethics Discourse and Education – The New Bioethics](#)

[Climate-health tele-education as a force multiplier: A train-the-trainer ECHO course series -Journal of Climate Change & Health](#)

[Climate change curricula in physician associate and physician associate-comparable professional clinical programs - Journal of Climate Change & Health](#)

[Impact on health professions education of the climate and nature crisis – Medical Teacher \(editorial\)](#)

Estates & Facilities

[A data-driven digital transformation approach for reverse logistics optimization in a medical waste management system -Journal of Cleaner Production](#)

[Converting waste into chemicals to produce medical devices \(healthstatejournal.com\)](#)

[Eco-Sustainable Energy Production in Healthcare: Trends and Challenges in Renewable Energy Systems - Energies](#)

[‘Innovative’ waste management procurement solution launched \(healthstatejournal.com\)](#)

[Modular heat pumps for seaside Devon hospital \(healthstatejournal.com\)](#)

[Net Zero travel and transport strategy - NHS England](#)

Food & Nutrition

[Collaborative leadership to support sustainability in practice for dietitians as allied health professionals – Journal of Human Nutrition & Dietetics](#)

[Designing climate labels for green food choices - Journal of Cleaner Production](#)

Funding

[Network to drive digital sustainability and a circular economy – UKRI](#)

[Research for a digitally enabled circular economy and sustainable digital technologies – UKRI](#)

Global Health

[The 2023 China report of the Lancet Countdown on health and climate change: taking stock for a thriving future - The Lancet Public Health](#)

Guidance

[Carbon reduction plan and net zero commitment requirements for the procurement of NHS goods, services and work - NHS England](#)

[Flooding and health: advice for frontline responders - GOV.UK \(\[www.gov.uk\]\(http://www.gov.uk\)\)](#)

[Net Zero Mental Health Care Guidance and Education | Royal College of Psychiatrists \(\[rcpsych.ac.uk\]\(http://rcpsych.ac.uk\)\)](#)

[Operational framework for building climate resilient and low carbon health systems \(\[who.int\]\(http://who.int\)\)](#)

Journal articles

[A framework for the assessment of optimal and cost-effective energy decarbonisation pathways of a UK-based healthcare facility – Applied Energy](#)

[Associations between air pollution, residential greenness, and glycated hemoglobin \(HbA1c\)... – Environmental Research](#)

[Carbon footprint of general practice: Retrospective case study of GP offices in a rural department of France – Journal of Climate Change & Health](#)

[Complex Adaptive Systems-Based Conceptual Framework for Modeling the Health Impacts of Climate Change – Journal of Climate Change & Health](#)

[Current and Future Sustainability Traits of Digestive Endoscopy - Sustainability](#)

[Effects on child and adolescent health of climate change mitigation policies: A systematic review of modelling studies – Environmental Research](#)

[Environmental sustainability and gynaecological surgery: Which factors influence behaviour? An interview study - BJOG](#)

[Environmental sustainability from anaesthesia providers' perspective: a qualitative study – BMC Anesthesiology](#)

[Environmental Sustainability: Waste Audit Comparison Operating Room and In-Office Laryngeal Surgery - The Laryngoscope](#)

[Ergoecology Factors Influencing Healthy and Sustainable Workplace in Healthcare Organisation - Sustainability](#)

[Evaluation of Climate-Aware Metrics Tools for Radiology Informatics and Artificial Intelligence: Towards a Potential Radiology Eco-Label - JACR](#)

[Exploring anaesthetists' views on the carbon footprint of anaesthesia... – Anaesthesia & Intensive Care](#)

[Healthcare feels the heat: A primer for radiologists on climate change-related regulatory and policy trends – JACR](#)

[How can the environmental sustainability of healthcare products be taken into account throughout their life cycle?* -Journal of Climate Change & Health](#)

[How to save £20000 and 780 staff hours a year on a single ward—by making one climate friendly change | The BMJ](#)

[Impact of Climate Change on Surgery: A Scoping Review to Define Existing Knowledge and Identify Gaps – Journal of Climate Change & Health](#)

[Infection Prevention, Planetary Health, and Single-Use Plastics | JAMA \(\[viewpoint\]\(#\)\)](#)

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[Mapping social vulnerability indicators to understand the health impacts of climate change: a scoping review - The Lancet Planetary Health](#)

[Neurology and climate change: what we know and where we are going – Journal of Climate Change & Health](#)

[Pentafluoropropane with tetrafluoroethane: a hidden greenhouse gas in regional anaesthesia – British Journal of Anaesthesia \(correspondence\)](#)

[Predicting the climate impact of healthcare facilities using gradient boosting machine - Cleaner Environmental Systems](#)

[Reclaiming Healthcare’s Healing Mission for a Sustainable Future – Journal of Service Research](#)

[Reducing the Environmental and Economic Costs of Single Department Infectious Waste Disposal - JACR](#)

[Role model stories can increase health professionals’ interest and perceived responsibility to engage in climate and sustainability actions – Journal of Climate Change & Health](#)

[Survey of physician journal subscription experiences: Environmental packaging – Journal of Climate Change & Health](#)

[Sustainable surgical practices: A comprehensive approach to reducing environmental impact – The Surgeon](#)

[Teaching Basic Surgical Skills Using a More Frugal, Near-Peer, and Environmentally Sustainable Way: Mixed Methods Study – JMIR perioperative medicine](#)

[Technical and Administrative Advances to Promote Sustainable Radiology: - JACR](#)

[Time to treat the climate and nature crisis as one indivisible global health emergency | The BMJ \(editorial\)](#)

[Unveiling the Symbiosis of Environmental Sustainability and Infection Control in Health Care Settings: A Systematic Review - Sustainability](#)

[Using life cycle assessments to guide reduction in the carbon footprint of single-use lab consumables | PLOS Sustainability and Transformation](#)

[The association between climate and emergency department visits for renal and urinary disease in Charlottesville, Virginia – Environmental Research](#)

[The emerging progress on wound dressings and their application in clinic wound management - Heliyon](#)

[The face mask: A tale from protection to pollution and demanding sustainable solution – Emerging Contaminants](#)

[The impact of climate change on surgical care: A systematic review of the bellwether procedures - The Journal of Climate Change and Health](#)

Mental Health

[Europe’s climate hotspot: climate change and mental health in Italy \(nationalelfservice.net\)](#)

[Rethinking ecoanxiety through environmental moral distress: an ethics reflection – Journal of Climate Change & Health](#)

[The role of mental health nurses in planetary health – Int Journal of Mental Health Nursing](#)

Nursing & Midwifery

[Measuring Nurses Knowledge and Awareness of Climate Change and Climate-Associated Diseases: Protocol for a Systematic Review of Existing Instruments - IJERPH](#)

[Nurses’ perceptions, attitudes, and perspectives in relation to climate change and sustainable healthcare practices: a systematic review. – Journal of Climate Change & Health](#)

[Strengthening midwifery in response to global climate change to protect maternal and newborn health – Women & Birth](#)

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Reports

[Green Surgery – UK Health Alliance on Climate Change](#)

[The 2023 report of the Lancet Countdown on health and climate change - The Lancet](#)

[Main Climate Change and Public Health Indicators: scoping review \(publishing.service.gov.uk\)](#)

[Meeting the environmental challenges of endoscopy: a pathway from strategy to implementation \(White Paper\) - Gastrointestinal Endoscopy](#)

[CTM UHB/CSH Intensive Sustainable Innovation Group Scholar Programme - Summary Report 2022/23 | Sustainable Healthcare Networks Hub](#)

[The implications of behavioural science for effective climate policy \(CAST\) - Climate Change Committee \(theccc.org.uk\)](#)

Research

[Climate change and public health indicators: scoping review - UKHSA](#)

[‘Are you a researcher or an activist?’: Navigating tensions in climate change and health research - Journal of Climate Change & Health](#)

News

[From pharmacy apps to cutting low value appointments: how hospitals are becoming more sustainable | The BMJ](#)

[Carbon Literacy Training: an overview of our work with NHS North East London Integrated Care System | Centre for Sustainable Healthcare](#)

Events/CPD

[Short courses in sustainability, health and healthcare | Centre for Sustainable Healthcare](#)

[Sustainability Leadership for Greener Health and Care Programme – Leadership Academy](#)

[Net Zero Mental Health Care Webinar Series \(rcpsych.ac.uk\)](#)

[Sustainability in Quality Improvement | Centre for Sustainable Healthcare](#)

[Greener AHP - Online Networking Event Multiple Dates | CSH](#)

Listen / Watch / Read

[11 things to know about the Health Effects of Climate Change report - UK Health Security Agency \(blog.gov.uk\)](#)

[Health Effects of Climate Change: the health threat from vector-borne diseases - UK Health Security Agency \(blog.gov.uk\)](#)

[Reducing the urban burden of disease: from science to policy action: Health and Environment Alliance | Webinar \(recordings\)](#)

[Health care’s unfortunate role in the global climate crisis - IHI Podcast](#)

[Climate summaries - Met Office](#)

[Improving Health, Protecting the Planet: resource for Directors of Public Health and teams | IPCRG](#)

[Health-Protection-Policy-Statement-2023.pdf \(adph.org.uk\)](#)

[Why climate change mitigation is a health opportunity - Wellcome](#)

[Climate change and antimicrobial resistance - Wellcome](#)

[The Climate Question - What has COP achieved? - BBC Sounds](#)

[The Climate and Us: Major New Streaming Series Tackles Health Impacts and Solutions - The Global Climate and Health Alliance](#)

[Why we need to talk about health and climate: an essay collection » Green Alliance \(green-alliance.org.uk\)](#)

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[Health organisations need to take a stance on reducing processed meat consumption – UK Health Alliance on Climate Change](#)

[Many health journals have published little or nothing on climate change and health despite it being the major threat to global health – UK Health Alliance on Climate Change](#)

[The Lancet Voice - Spotlight on Health & Climate Change: Extreme heat and health \(podcast\)](#)

E-Books

HEE have provided a collection of 27 e-books on Sustainability which are freely available with your NHS OpenAthens login

Access e-books on Sustainability [here](#)

Register for an OpenAthens account [here](#)

Further information

[Centre for Sustainable Healthcare - Resources](#)

[Climate Cares](#)

[NICE Environment publications](#)

[Greener NHS \(england.nhs.uk\)](#)

[Health Care Climate Action](#)

[Greener Allied Health Professional hub](#)

[EcoQUIP | Health Care Without Harm \(noharm-europe.org\)](#)

[Fab NHS Stuff](#)

[@GreenerNHS](#)

[#Sustainablehealthcare](#)



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