



# Sustainability in Healthcare update September 2023

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## Case Studies

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

[What's already happening](#)

## Climate Change

[Impacts of net zero policies on air quality in a metropolitan area of the United Kingdom: Towards world health organization air quality guidelines – Environmental Research](#)

## Digital

[Optimizing teleconsultation scheduling to make healthcare greener – Journal of Cleaner Production](#)

[Deep Learning and Artificial Intelligence in Sustainability: A Review of SDGs, Renewable Energy, and Environmental Health - Sustainability](#)

## 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](#)

## Education

[Education for Sustainable Healthcare: a curriculum for the UK \(medschools.ac.uk\)](https://www.medschools.ac.uk/education-for-sustainable-healthcare)

[Are we teaching the health impacts of climate change in a clinically relevant way? A systematic narrative review of biomechanism-focused climate change learning outcomes in medical curricula: Medical Teacher](#)

## Estates & Facilities

[NHS Net Zero Building Standard Authority \(learninghub.nhs.uk\)](https://learninghub.nhs.uk)

[Enhancing energy efficiency and cost-effectiveness while reducing CO2 emissions in a hospital building - Journal of Building Engineering](#)

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

[Heat pumps can be key to a 'decarbonised' future \(healthstatejournal.com\)](https://www.healthstatejournal.com)

[Fire safety issues when designing 'green' buildings \(healthstatejournal.com\)](https://www.healthstatejournal.com)

## Food & Nutrition

[Health Professionals' Role in Promoting Health and Environmental Sustainability through Sustainable Food Advocacy: A Systematic Literature Review - Sustainability](#)

## Funding

[SBRI Healthcare - Competition 24 - Delivering a Net Zero NHS for a Healthier Future](#)

## Global Health

[Sustainable value co-creation in healthcare systems in the context of reduced ease of access – Journal of Cleaner Production](#)

## Journal articles

[The BMJ's annual climate issue](#)

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

[The Environmental Sustainability Assessment of an Orthopedics Emergency Hospital Supported by a New Innovative Framework - Sustainability](#)

[Considerations for environmental sustainability in clinical radiology and radiotherapy practice: A systematic literature review and recommendations for a greener practice - Radiography](#)

[Health effects of green prescription: A systematic review of randomized controlled trials – Environmental Research](#)

[What cannot be mitigated or adapted to, will be suffered. Loss and damage in health and humanitarian terms – Journal of Climate Change & Health](#)

[Human health and climate change – an evolving discourse: A bibliometric citation analysis of top-cited articles within health sciences databases – Journal of Climate Change & Health](#)

[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 | RCP Journals](#)

[The Green Surgical Block 4.0: Automation of the operating theatre's climate conditions through a real-time patient-flow solution | RCP Journals](#)

[Management of COVID-19 healthcare waste based on the circular economy hierarchy: A critical review – Waste Management Research](#)

[Environmental health knowledge of healthcare professionals: Instrument development and validation using the Rasch model – Environmental Research](#)

[The carbon cost of inappropriate endoscopy - Gastrointestinal Endoscopy](#)

[Evaluating the Environmental Impact of Single-Use and Multi-Use Surgical Staplers with Staple Line Buttressing in Laparoscopic Bariatric Surgery – Risk Management & Healthcare Policy](#)

[Does Gender and Cultural Diversity Matter for Sustainability in Healthcare? Evidence from Global Organizations - Sustainability](#)

[Sustainability as part of a quality framework for the organisation of oral healthcare – British Dental Journal](#)

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

[Environmental Sustainability and MRI: Challenges, Opportunities, and a Call for Action - JMRI](#)

### *Reports*

[Biodiversity, climate change and health – UK Health Alliance on Climate Change](#)

[Environmental Improvement Plan \(publishing.service.gov.uk\)](#)

### *Research*

[The carbon footprint of clinical trials: a global survey on the status quo and current regulatory guidance | BMJ Global Health](#)

### *News*

[Greener NHS » Three years on – clinical staff continue to lead and inspire us as we build a greener NHS \(england.nhs.uk\)](#)

[The HCPC publishes its Environmental Sustainability Statement | \(hcpc-uk.org\)](#)

[Sustainable travel plan for Great Ormond Street Hospital redevelopment \(healthstatejournal.com\)](#)

[Healthcare organisations' Net Zero plans 'blown off track' by energy crisis \(healthstatejournal.com\)](#)

[Tree planting on healthcare sites - NHS Forest \(free tree bundles on offer for NHS sites\)](#)

This update is also available online at <https://www.hantshealthcarelibrary.nhs.uk/latest-news.asp>

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SHFT: [library.services@southernhealth.nhs.uk](mailto:library.services@southernhealth.nhs.uk)



### Events/CPD

[Schwartz Round: Health in the Climate and Ecological Emergency Tickets, Thu 12 Oct 2023 at 12:00 | Eventbrite](#)

[The Centre for Sustainable Healthcare Events October 2023 | Eventbrite](#)

[Recycle Week | WRAP 16-22 October](#)

[Tools and resources to support your work towards a Greener NHS | NHS England Events 16 November](#)

[Carbon Literacy Action Day 2023 - The Carbon Literacy Project 4 December](#)

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

### Listen / Watch / Read

[Planet centred care | The BMJ \(podcast series\)](#)

[The costs of climate activism for medical professionals: a case study of the USA, the UK, and Germany - The Lancet Planetary Health](#)

[Doing the right thing for a kinder, fairer and greener health service – UK Health Alliance on Climate Change](#)

[Every medical school should have a planetary health teaching fellow | The BMJ](#)

[Making Strides in Sustainability: Health Leaders Share Lessons on Pathways to Climate Action... National Academy of Medicine \(nam.edu\)](#)

[Sleep Medicine's Path to Environmental Sustainability | Sleep Review \(sleepreviewmag.com\)](#)

### 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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