

# Sustainability in Healthcare update December 2023

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## Case Studies

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

[First Wins Library - The Community of Practice for Climate Resilient and Low Carbon Sustainable Health Systems \(atachcommunity.com\)](#)

[Norfolk and Norwich University Hospitals NHS Foundation Trust » From Pipes to Pills: NNUH's Switch from IV to Oral Antibiotics](#)

[Introducing reusable suture instruments for a greener A&E - University Hospitals Sussex NHS Foundation Trust \(uhsussex.nhs.uk\)](#)

[Turning climate anxiety into action | CUH](#)

## COP28

[Further delays in tackling greenhouse gas emissions at COP28 will be an act of negligence - The Lancet](#)

[COP28: climate crisis is a health crisis, say scientific and health-focused organisations and experts - ERS - European Respiratory Society](#)

## Digital

[Economic and environmental costs of cloud for medical imaging and radiology artificial intelligence - Journal of the American College of Radiology](#)

[Hypotheses on sustainability impacts of AI use in healthcare – Journal of Climate Change & Health](#)

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

## Education

[Sustainability efforts in healthcare simulation and clinical learning: An international survey – Nurse Education Today](#)

[Nursing Toolkit for Planetary Health \(nursingtoolkit4planetaryhealth.ca\)](#)

## Estates

['Sustainable design' for Edenbridge's new health centre \(healthestatejournal.com\)](#)

## Food & Nutrition

[Diverting food waste from landfill in exemplar hospital foodservices: a qualitative study – Journal of the Academy of Nutrition & Dietetics](#)

## Guidance

[Guidance: Education for sustainable healthcare | Council of Deans of Health](#)

## Human Resources

[An empirical investigation on the impact of green human resources management and green leadership on green work engagement - Helyion](#)

[Green human resource management practices and employee innovative behaviour: reflection from Ghana - IIMBG Journal of Sustainable Business and Innovation](#)

## Journal articles

[A green evidence base to drive environmentally sustainable practice – Emergency Medicine Journal](#)

[A scoping review of current climate change and vector-borne disease literacy and implications for public health interventions – Journal of Climate Change & Health](#)

[Analysis of the United Arab Emirates' contribution to the sustainable development goals with a focus on global health and climate change – International Journal of Health Governance](#)

[Balancing the health benefits and climate mortality costs of haemodialysis – Future Healthcare Journal](#)

[Barriers and enablers to implementing environmentally sustainable practices in healthcare: A scoping review and proposed roadmap – Healthcare Management Forum](#)

[Carbon footprints by stage of chronic kidney disease: The case of Japan – Journal of Climate Change & Health](#)

[Eco-Friendly and COVID-19 Friendly? Decreasing the Carbon Footprint of the Operating Room in the COVID-19 Era - Diseases](#)

[Environmentally sustainable gastroenterology practice: Review of current state and future goals – Digestive Endoscopy](#)

[Environmentally sustainable surgery: A plea to act - ANZ Journal of Surgery](#)

[How environmental impact is considered in economic evaluations of critical care: a scoping review – Intensive Care Medicine](#)

[How we can reduce the environmental impact of our operating theatres: a narrative review – ANZ journal of Surgery](#)

[How We Do It: Reducing the Climate Impact of Critical Care – CHEST Critical Care](#)

[Impacts of climate change on ocular health: A scoping review – Journal of Climate Change & Health](#)

[Making endoscopy practice environmentally sustainable-Early experience from Central India – Indian Journal of Gastroenterology](#)

[Patient preferences for disposable and reusable vaginal specula and their willingness to compromise in the era of climate change: A cross-sectional study - BJOG](#)

[Recent applications of AI to environmental disciplines: A review – Science of the Total Environment](#)

[Reuse and Reprocessing of Endoscopic Instruments: For – European Urology Focus](#)

[Shifting Gears to Green: A Pilot Study on Decarbonizing Patient Transport - Health](#)

[Short-Term Ambient Air Pollution Exposure and Risk of Out-of-Hospital Cardiac Arrest in Sweden: A Nationwide Case-Crossover Study | Journal of the American Heart Association](#)

[Short-term Exposure to Air Pollution and Ischemic Stroke | Neurology](#)

[Sustainability in Healthcare Sector: The Dental Aligners Case - Sustainability](#)

[Sustainable Development Goals: Challenges and the Role of the International Society of Nephrology in Improving Global Kidney Health – Kidney360](#)

[Sustainability Standards in Pediatric Anesthesia: Quality Initiative to Reduce Costly Environmentally Harmful Volatile Anesthetics – Pediatric Quality & Safety](#)

[The embodied carbon of paracetamol and the consumables associated with different routes of administration in paediatrics. – Journal of Climate Change & Health](#)

[The environmental Impact of Gastrointestinal Procedures: A Prospective study of Waste Generation, Energy Consumption and Auditing in an Endoscopy Unit - Gastroenterology](#)

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)

[Towards environmentally sustainable management: A review on the generation, degradation, and recycling of polypropylene face mask waste – J of Hazardous Materials](#)

[Unraveling the impact of eco-centric leadership and pro-environment behaviors in healthcare organizations: Role of green consciousness – Journal of Cleaner Production](#)

[User experience of wearing comfort of reusable versus disposable surgical gowns and environmental perspectives: A cross-sectional survey - BJOG](#)

### Pharmacy

[Pharmacy students' perceptions on environmental sustainability in pharmacy education and practice - Explor Res Clin Soc Pharm](#)

### QI

[Integrating Environmental Sustainability into the Quality and Safety Agenda: Early Lessons Learned | Institute for Healthcare Improvement \(ihi.org\)](#)

[Implementing a hospital sustainability quality improvement project: challenges and best practices for trainees | The BMJ](#)

### Reports

[Health Effects of Climate Change in the UK: state of the evidence 2023 \(publishing.service.gov.uk\)](#)

[Developing a Human-centred Heat Resilience Strategy - The Physiological Society \(physoc.org\)](#)

[Climate Change Mitigation in England's Healthcare Sector: Doctors' efforts to enact change 2008-2020 | Sustainable Healthcare Networks Hub](#)

[Project Report - Healthcare Sustainability: Educating Clinicians through Telementoring - Sustainability](#)

[Research on the impact of the COVID-19 pandemic, and shift to more agile working, on Public Health Wales' carbon footprint - World Health Organization Collaborating Centre On Investment for Health and Well-being](#)

### Transport

[Electric vehicle charging points go live at CLCH :: Central London Community Healthcare NHS Trust](#)

### News

[Climate change is also a health crisis — these 3 graphics explain why \(nature.com\)](#)

[Rhino Health joins consortium to reduce carbon footprint of CT scans \(digitalhealth.net\)](#)

[MDMC awarded £3.35m to help improve industry sustainability - Med-Tech Innovation \(med-technews.com\)](#)

[The Low Emission Zone significantly improves air quality in Brussels \(environment.brussels\)](#)

[Joint funding for new co-centres on climate and sustainable food – UKRI](#)

[Innovate UK invests over £25m in net zero projects – UKRI](#)

### Events/CPD

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

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

[Resource Repository - The Community of Practice for Climate Resilient and Low Carbon Sustainable Health Systems \(atachcommunity.com\)](#)

[CAFÉ Climate and Health Conference 5<sup>th</sup> – 7<sup>th</sup> February 2024 \(virtual\)](#)

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

### *Listen / Watch / Read*

[Exploring together the emotional impact of the climate and nature crisis – UK Health Alliance on Climate Change](#)

[Leading by Example: Health Care's Role in Improving Health Through Climate Action | Institute for Healthcare Improvement \(ihi.org\)](#)

[Integrating Environmental Sustainability into the Quality and Safety Agenda: Early Lessons Learned | Institute for Healthcare Improvement \(ihi.org\)](#)

[On Sustainability in healthcare - Australian medical Association](#)

[Tanya Haffner: a cool take on sustainable diets amidst COP28 - In a Nutshell: The Plant-Based Health Professionals UK Podcast | Podcast](#)

[Spotlight on Health & Climate Change: Decarbonising healthcare – The Lancet Voice 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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