

Sustainability in Healthcare update January 2022

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53,000 stories, give or take, with a focus on Covid, PPE and carbon emissions. December 2021

[Estates & Facilities](#)

[UK net zero strategies are overlooking something vital: how to cool buildings amid rising temperatures](#)

Radhika Khosla & Jesus Lizana, University of Oxford

[Mental Health](#)

Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey.

Caroline Hickman, MSc, Elizabeth Marks, ClinPsyD, Panu Pihkala, PhD et al.
Lancet Planetary Health. 2021;5(2) E863-E873,
[Access article here](#)

The impact of climate change on mental health and emotional wellbeing: current evidence and implications for policy and practice.
Grantham Institute/Imperial College 2021
[Access here](#)

[NHS](#)

[The NHS net-zero checklist](#)

Good Governance Institute

Before/after intervention study to determine impact on life-cycle carbon footprint of converting from single-use to reusable sharps containers in 40 UK NHS trusts.

Terry Richard; Bright, Anna; Cadman, June et al
BMJ Open 2021 11(9), pp. e046200
[Access article here](#)

[Digital](#)

The environmental impacts of telemedicine in place of face-to-face patient care: a systematic review.
Ramyadevi Ravindrane and Jay Patel.
Future Hosp J December 2021

[Access article here](#)

NHS Digital, 2021 [Sustainability Annual Report 2020 - 2021](#)

[Environmental](#)

NICE, 2021 Our growing focus on environmental sustainability. [Access here](#)

[NICE's strategy on sustainability: current progress and next steps](#)

[COVID-19 home testing kits: should we be worried about their environmental impact?](#) George Loumakis, Glasgow Caledonian University

Covid-19 Lateral Flow Tests can now be recycled in UK first! [Access here](#)

[Five ways to cut down on food waste – and why it matters](#) Siobhan Maderson, Aberystwyth University. Food waste is putting a strain on the environment.

[COVID litter: we mapped discarded masks and gloves in 11 countries with the help of citizen science](#) Keiron Roberts; Ian Williams; Simon Kolstoe, University of Portsmouth

Planetary Health

Planetary health care: a framework for sustainable health systems. COMMENT | MacNeill AJ, McGain F, Sherman JD. Lancet Planet Health. 2021;5(2):e66-e68. [Access article here](#)

Vaccine equity: a stress test for planetary health. COMMENT | Nicole De Paula. Lancet Planet Health. 2021;5(11): E758-E759 [Access article here](#)

The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. Marina Romanello, PhD; Alice McGushin, MSc; Claudia Di Napoli, PhD et al. REVIEW | Lancet, 398(10311), P1619-1662, [Access article here](#)

COP26 and beyond: long-term climate strategies are key to safeguard health and equity. Arthur Wyns & Jessica Beagley
COMMENT | Lancet Planet Health, 5(11), E752-E754, 2021 [Access article here](#)

Planetary Health Care for Colorectal Surgeons.
Moloo, Husein and MacNeill, Andrea
Diseases of the Colon & Rectum, 2022 65(1), pp. 6-7 [Access article here](#)

Public Health

[Four surprising ways climate change is affecting people's health in England and Wales](#)

Chloe Brimicombe, University of Reading
A new report uncovers how temperature-related deaths and hospital admissions have changed since 2001.

Change is a Public Health Emergency
NHS Providers, December 2021
[Access here \(nhsproviders.org\)](https://www.nhsproviders.org)



Journal articles

A strategy to reduce the carbon footprint of clinical trials.

Adshead, Fiona;Al-Shahi Salman, Rustam;Aumonier et al.
Lancet 2021 398(10297), pp. 281-282
[Access article here](#)

Environmentally sustainable dermatology

Allwright, E. and Abbott, R. A.
Clinical & Experimental Dermatology 46(5), pp. 807-813

Priority setting and net zero healthcare: how much health can a tonne of carbon buy?

Bhopal, Anand and Norheim, Ole F.
BMJ 375, pp. e067199 [Access article here](#)

Our over-reliance on single-use equipment in the operating theatre is misguided, irrational and harming our planet.

Bhutta, M. F. Annals of the Royal College of Surgeons of England 2021 103(10), pp. 709-712

Green podiatry' - reducing our carbon footprints. Lessons from a sustainability panel.

Evans, Angela Margaret
Journal of Foot & Ankle Research 2021 14(1), pp. 59
[Access article here](#)

How Health Care Organizations Can Reduce Their Carbon Footprint.

Holzmueller, Christine G.
Quality Management in Health Care 2021 30(1), pp. 46-48 [Access article here](#)

Empowering health-care learners to take action towards embedding environmental sustainability into health-care systems.

Luo, Owen Dan; Carson, Jacob Joel Kirsh; Sanderson, Victoria et al. The Lancet Planetary Health 2021 5(6), pp. e325-e326
[Access article here](#)

Carbon Footprint of General, Regional, and Combined Anesthesia for Total Knee Replacements.

McGain, Forbes; Sheridan, Nicole; Wickramarachchi, Kasun et al

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Anesthesiology 2021 135(6), pp. 976-991

[Access article here](#)

Reducing carbon footprint of inhalers: analysis of climate and clinical implications of different scenarios in five European countries.

Pernigotti, Daniele; Stonham, Carol; Panigone, Sara et al BMJ Open Respiratory Research 2021 8(1), pp. 12

[Access article here](#)

The carbon agenda.

Rogers, Benedict

Annals of the Royal College of Surgeons of England 2021 103(10), pp. 707-708

The conflicts that killed COP26.

Sheather, Julian

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[Access article here](#)

Reaching net zero carbon emissions in health systems. Wilkinson, E. (2021)

Lancet, 398(10315), pp. 1953–1954.

Delivering environmental sustainability in healthcare for future generations: Time to clean up our own cubby house. Kiang, K. M. & Behne, C.

Journal of Paediatrics & Child Health, 2021 57(11), pp. 1767–1774.

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Jack Marley, The Conversation

Listen to the fifth and final episode.

The Royal Society of Medicine

Health emergency of climate change series

[YouTube]. 2021 [Access here](#)

[Podcast: When is a natural disaster good for your health?](#)

On the podcast *Freakonomics, M.D.*, experts talk about hurricanes, climate change, and the ways that where we live shapes our health.

[Sustainable Futures Seminar Series 2022 | Eventbrite](#)

[Five books that will change how you think about the environment and climate change](#)

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<https://sustainablehealthcare.org.uk/nhs-green-plan>

<https://www.england.nhs.uk/greenernhs/>

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