Greener NHS





Delivering a Net Zero National Health Service

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About the NHS in England





Publicly funded through taxation - free at the point of use



Employs **over 1.4m staff** – Europe's largest employer



Comprehensive service, including hospital, mental health, community & primary care



229 healthcare provider organisations ('trusts') and **6,925** GP practices



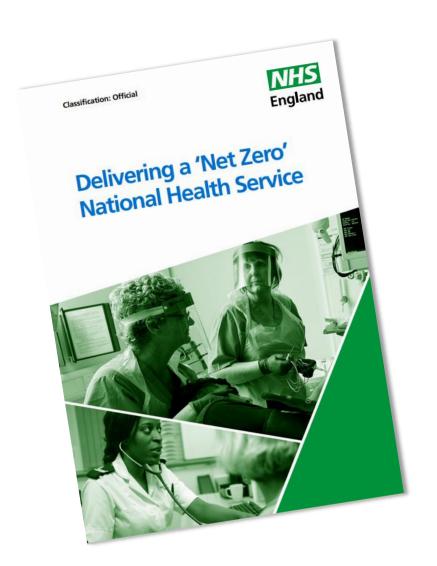
Sees over **1.3m people** every day



Managed through 1 national team, 7 regional teams and 42 local 'integrated care systems'

Delivering a Net Zero NHS







Key Moments



January 2019: NHS Long Term Plan set out clear ambition to reduce the environmental impact of the NHS



July 2022: NHS became the first health system to embed NZ into legislation, through the Health and Care Act



2019

2020

2022

2023

October 2020:

Delivering a

Net Zero NHS

published





June 2022: Every NHS Trust and ICB has a Green Plan



October 2023:

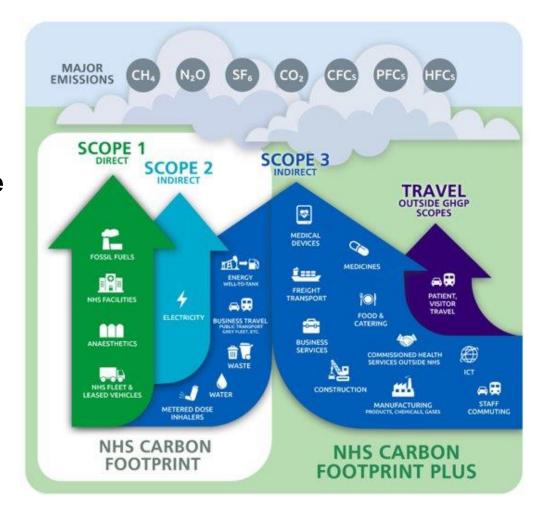
Regulation to include sustainability under the "well-led" key question

About Greener NHS



Net zero by 2040 for the emissions we control directly, with an 80% reduction by 2028-2032.

Net zero by 2045 for the broader emissions we can influence, with an 80% reduction by 2036-2039.







UK records hottest day on record as temperatures soar over 40C

Warning ticks year-round risk due to climate change

Climate Change Won't Spare Our Mental Health

— We need to prepare for longer-term effects beyond the physical

Threat of exotic vector-borne diseases worsening with climate change, scientists say

England recorded 2,800 excess deaths in over-65s during 2022 heatwaves

The impacts of climate change and our mental and physical health are intrinsically linked

About Greener NHS



The NHS is <u>responsible for around 5%</u> of nation's carbon emissions, and as an organisation we are part of the challenge and the solution.



About Greener NHS

Climate change is a health emergency.

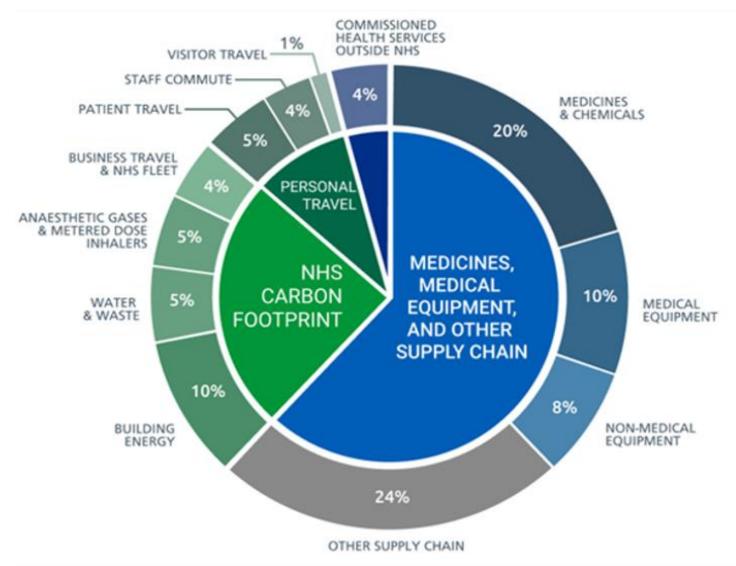
But climate action saves lives.











Areas of focus





Estates and facilities



Travel and transport



Medicines



Supply chain



Food and nutrition



Clinical transformation



Governance



Research and innovation



Data and analytics





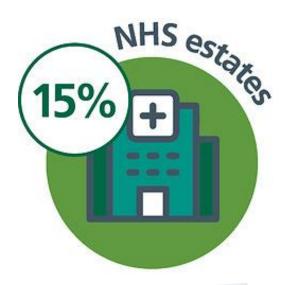
Adaptation



International collaboration

Estates and Facilities











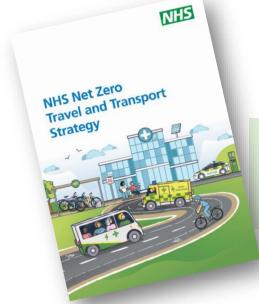
Castle Hill Hospital's 11,000 solar panels can generate enough power to meet the average daily energy needs of the hospital.

Travel and transport



Approximately 3.5% (9.5 billion miles) of all road travel in England relates to patients, visitors, staff and suppliers to the NHS, contributing around **14%** of the health system's total emissions.





Net Zero Travel and Transport Strategy 2023: NHS will have fully decarbonised its fleet by 2035, with its ambulances following in 2040

Medicines



Medicines account for **25%** of emissions within the NHS.

A small number of medicines account for a large portion of the emissions, and there is already a significant focus on two of these groups – anaesthetic gases (2% of emissions) and inhalers (3% of emissions) – where emissions occur at the point of use.



Medicines





"Of course I wanted to make changes. Greener healthcare is simply high-quality healthcare.

It works for our patients and the planet. "

Amy, Anaesthetist





The NHS uses products from more than **80,000 suppliers**, encompassing medical and non-medical equipment, medicines and pharmaceuticals, commissioned healthcare services, food and all other procured goods and services.





Net Zero and Social Value

All NHS procurements include a minimum 10% net zero and social value weighting. The net zero and social value guidance for NHS procurement teams helps to unlock health-specific outcomes (building on PPN 06/20). Net Zero and Social Value will be applied via the Evergreen assessment for NHS England Medicines tenders.

From April **2023/24**

From April

2022

Carbon Reduction Plan

For all new contracts above £5 million per annum, the NHS requires suppliers to publish a Carbon Reduction Plan for their UK Scope 1 and 2 emissions and a subset of scope 3 emissions as a minimum (aligning with PPN 06/21).

From April 2024, this requirement will be proportionately extended to cover all new procurements.

From April 2027

Carbon Reduction Plan for all emissions

All suppliers will be required to publicly report targets, emissions and publish a Carbon Reduction Plan for global emissions aligned to the NHS net zero target, for all of their Scope 1, 2 and 3 emissions.

From April **2028**

Product-level requirements

New requirements will be introduced overseeing the provision of carbon footprinting for individual products supplied to the NHS. The NHS will work with suppliers and regulators to determine the scope and methodology.

Research and innovation







£30m funding call to support the delivery of net zero



Our commitments to climate, health and sustainability 2024-2026





Concordat for the
Environmental
Sustainability of
Research and
Innovation Practice

International collaboration













Clinical transformation





Clinical decisions are carbon decisions









Net Zero Clinical Transformation



Our purpose

To engage the 84% of NHS staff working in clinical positions to transform their practice to align with our values, our net zero ambitions and to improve health.

Our vision

An NHS whose clinical community is empowered to design and deliver high quality, low carbon care by default, with guidance and support.

Outpatient telephone consultation ~0.1 KgCO2e





Ambulance journey to hospital ~56 KgCO2e



High intensity inpatient bed stay of 10 days ~895 KgCO2e

Clinical leadership, systems and workforce

Objective: Ensure net zero is embedded as business as usual.



Keeping people healthy

Objective: Reduce care needs and the burden of disease.

System change



Efficiency

Low carbon care settings

Objective: Reduce the carbon and resource intensity of care settings

Right care, right place, right time

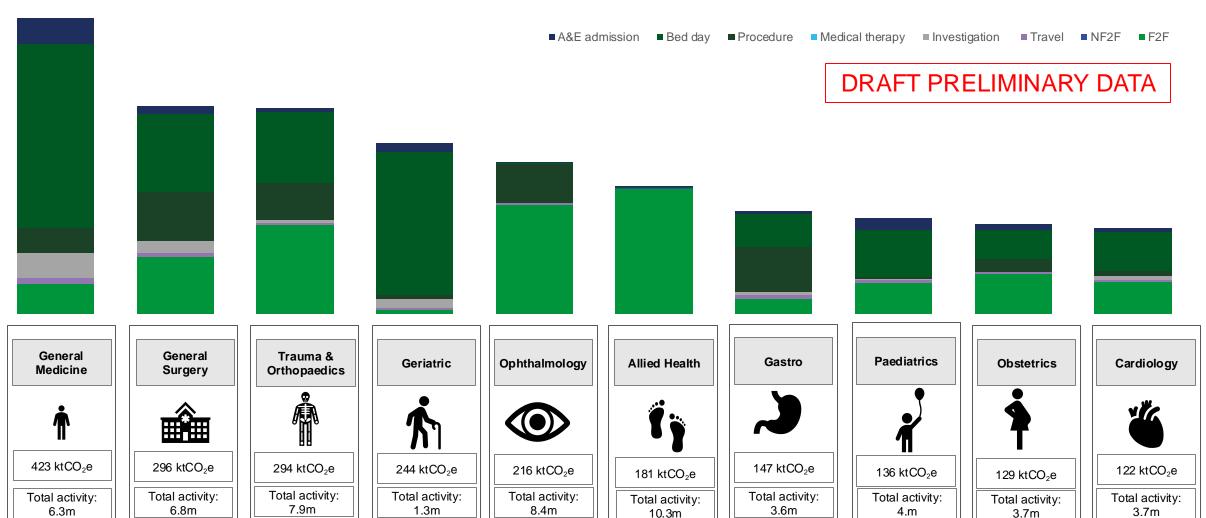
Objective: Reduce inefficient and inappropriate care delivery

Low carbon care treatments

Objective: Reduce the carbon emissions from treatments and deliver high quality care

Top 10 Carbon Emitting Medical Specialities



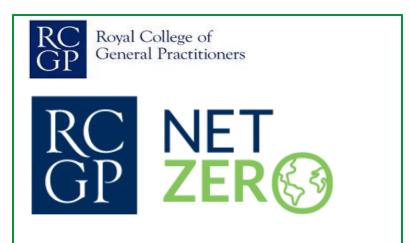


^{*}Rounded to the nearest 1ktCO2e

^{**}Rounded to the nearest 100k

Engaging and equipping clinical community















Empowering our workforce











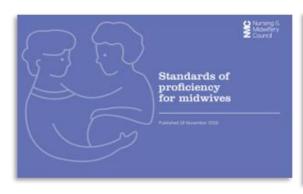














A Curriculum Framework for the pre-registration education and training of dietitians



Education for sustainable healthcare within UK pre-registration curricula for allied health professions

How can I find out more?



Find out more about the work of the Greener NHS team, and the progress towards the net zero goal:

- Visit <u>www.england.nhs.uk/greenernhs</u>
- Sign up to our newsletter www.england.nhs.uk/email-bulletins/greener-nhs
- Follow us on social media @GreenerNHS