How can we do environmentally sustainable healthcare?

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February 2024







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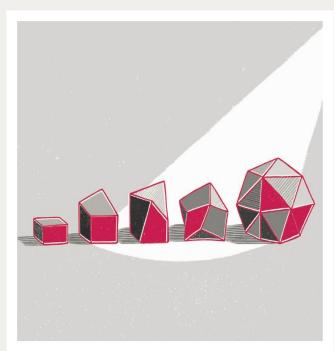
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About us

The Health Foundation is an independent charity committed to bringing about better health and health care for people in the UK.





We shine a light on how to make successful change happen



Health Foundation work on sustainability

Our strategy for 2023-2025



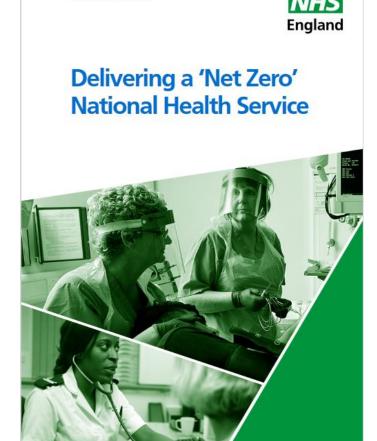




Net zero in health and care

- NHS in England the first national health system to commit to net zero:
 - 2040 target for directly controlled emissions,
 80% reduction by 2028 to 2032
 - 2045 for emissions it influences, 80% reduction by 2036 to 2039

 First health system to embed net zero into legislation with Health and Care Act 2022



Classification: Official

What is net zero care?



Framework of low-carbon care

- We adapted the Centre for Sustainable Healthcare's principles of sustainable clinical practice to outline a framework of lowcarbon care:
 - Preventing disease
 - Improving the management of disease and health
 - Moving care out of hospitals
 - Eliminating avoidable waste and unnecessary interventions
 - Using lower-carbon alternatives



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SusQI in practice





Secondary drivers

resource use

SusQI at the Centre for Sustainable Healthcare



SusQI Framework is a vehicle for Prevention actioning principles of sustainable Primary driver healthcare **Patient** Reduce activity empowerment Outcome needed Lean pathways Improve health, reduce carbon Primary driver Low carbon alternatives Reduce carbon intensity Operational





SusQI Framework







Aims to improve sustainable value, by:

- Understanding environmental, social and financial impacts of the current system
- Using the principles of sustainable clinical practice to design improvements
- Measuring the impact on sustainable value.

NHS

Northamptonshire Healthcare





SusQI in Practice









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Improving the management of disease and health

 Oxford AHSN worked to increase use of Placental Growth Factor blood testing in maternity care across Thames Valley in 2021



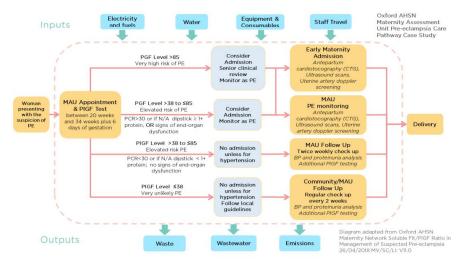




Improving the management of disease and health

 Whole-care-pathway approach critical to realise the gains across the 'triple bottom line' -social, carbon and financial.

- o 1 centre in 1 year saved (est):
 - 386 avoidable admissions
 - £250-600 per woman receiving test
 - 35t CO2eq and 1.9 t of waste

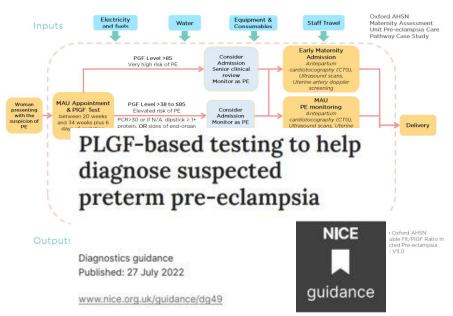




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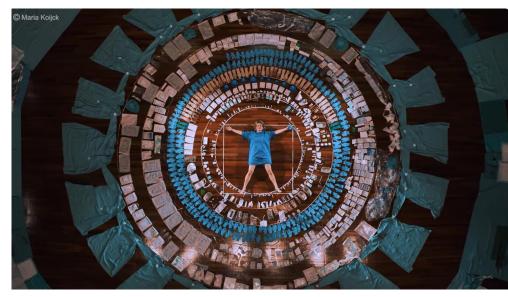
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Using lower-carbon alternatives

- Partnership of Revolution-ZERO,
 West of England AHSN won SBRI funding as part of NHS
 Accelerated Access Collaborative
- Worked with Royal Cornwall
 Hospitals NHS Trust to switch
 from single-use surgical gowns
 and surgical drapes to reusable
 equivalents



Youtube image via Maria Koijcl



Using lower-carbon alternatives

 Also developed and validated low temperature decontamination process

 Estimated savings of 67 tonnes CO2e per year, and £10,000 at this trust



Youtube image via Maria Koiick

What is needed to transition to net zero care?



Four areas for action to enable net zero care

Invest **resources** to shift to low-carbon care models

Put sustainability at the core of good leadership

Ensure major **policy** levers are used to drive progress

Support **research and innovation** to enable faster decarbonisation of care



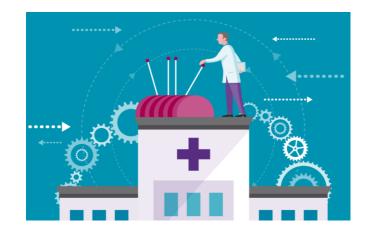
Invest resources to shift to low-carbon care models

Capacity

- Reliance on volunteerism insufficient and unsustainable.
- Staff need time, space and resources to focus on sustainability.

Capability

- Awareness, skills and knowledge around low carbon care relatively low.
- Need to integrate sustainability into education and training.
- Integrating into efforts to improve quality of care.





Put sustainability at the core of good leadership

- Competing urgent priorities crowding out sustainability – but net zero can be integrated into strategic decision making.
- Prioritising sustainability, unlocking resources and investing staff time and training in decarbonising care all rest with leaders.
- Support and training should be available to leaders across all levels of health care organisations and ICSs.



Health Foundation work on sustainability



Health Foundation work on sustainability

Research and analysis to inform policy

Public polling; Net zero long read

Capacity building

Green surgery report; SusQI; Q community

Frontline change projects

Asthma toolkit; Scaling up virtual consultations

Improving our own sustainability

Net zero endowment; Strategy for wider ops

Convening and engaging policymakers

Net zero NHS immersive installation

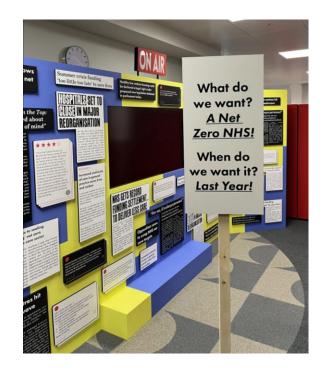




Net zero NHS installation

Brought together health care leaders, clinicians and policymakers to:

- Explore interactions between net zero and other long-term priorities for the health system.
- Stimulate changes in the way people think about and act on the net zero goal within their current role.
- Position the Health Foundation as a convener and emerging thought leader on environmental sustainability in health care.





Our planned portfolio on sustainable health care

"The changes that need to occur within health and social care delivery to achieve net zero."

Objectives

- Understanding national health policy levers and how they can better support net zero care delivery.
- 2. Identifying, evaluating and scaling innovation and Improvement.
- 3. Building capability to implement change.

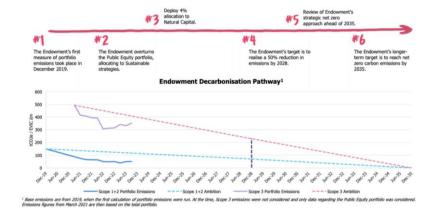




Internal sustainability work

Decarbonisation of our endowment

- Constant monitoring with the flexibility to adapt reporting and investment approach.
- 50% reduction in emissions by 2028
- Reach net zero carbon emissions by 2035.



Completed a **thorough analysis** of our carbon footprint and developed a **tool** for future measurement.

Published **sustainability guidance** for grant applications.

Creating a carbon reduction plan.



Questions/ discussion

- What are you working on relating to sustainability?
- Do any of the topics we've presented here resonate with you?
- What would you like to see in the SIG in 2024?

Thank you

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