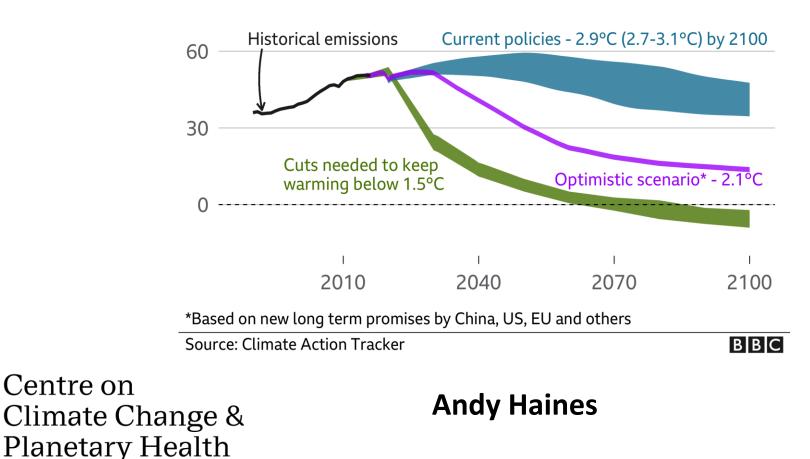
Principles and value of decarbonizing the health sector

Greenhouse gas emissions projections

Gigatonnes of global CO2 equivalent emissions per year

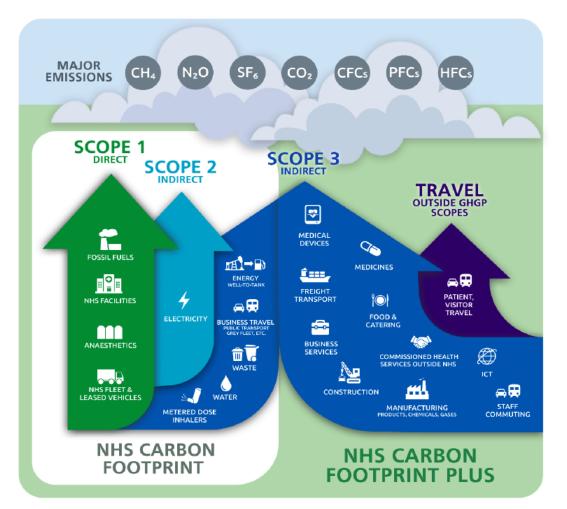




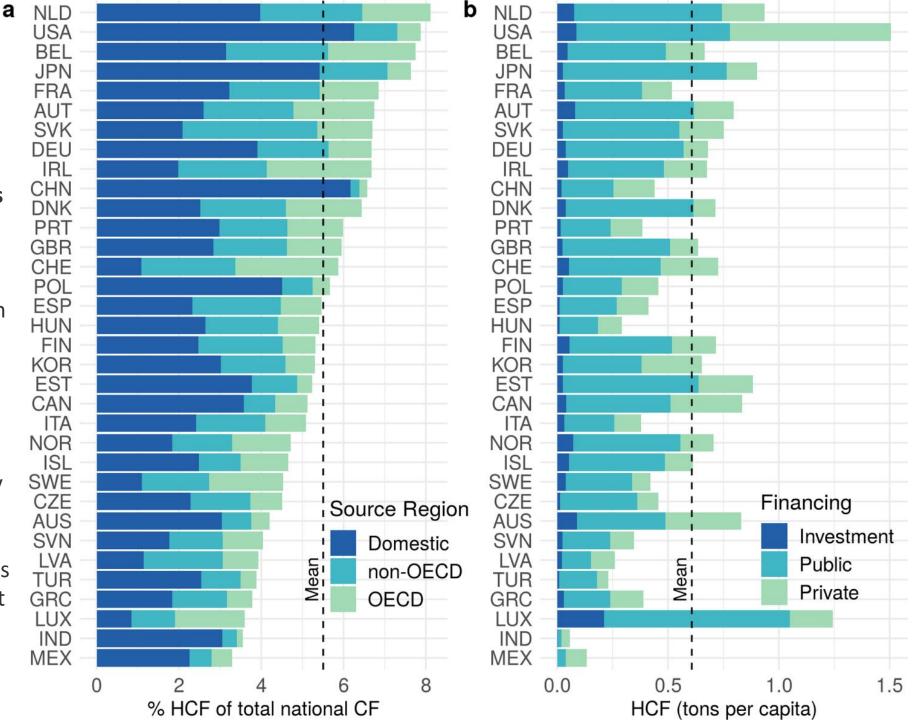
Reducing the carbon emissions from health care



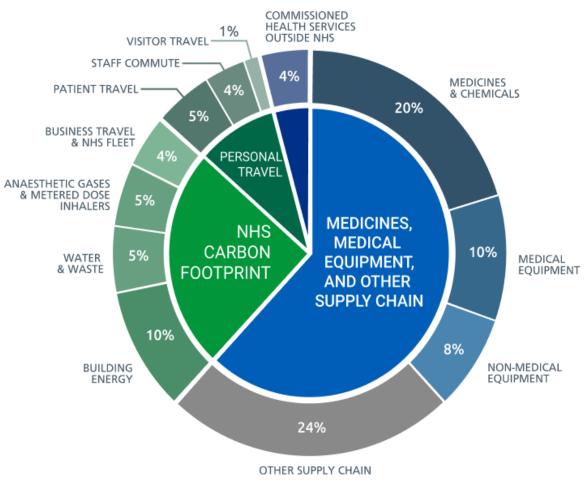
Figure 1: GHGP scopes in the context of the NHS

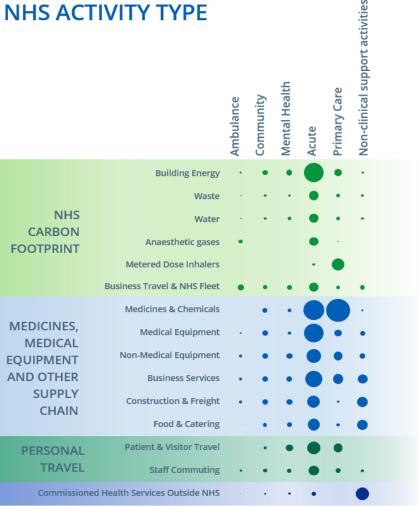


Health carbon footprint (HCF) as percentage of national carbon footprint (CF) grouped by region where the emissions occurred (a) and health carbon footprint per capita grouped by financing scheme (b) in 2014, for all available countries in 2014.(Pichler et al ERL 2019)

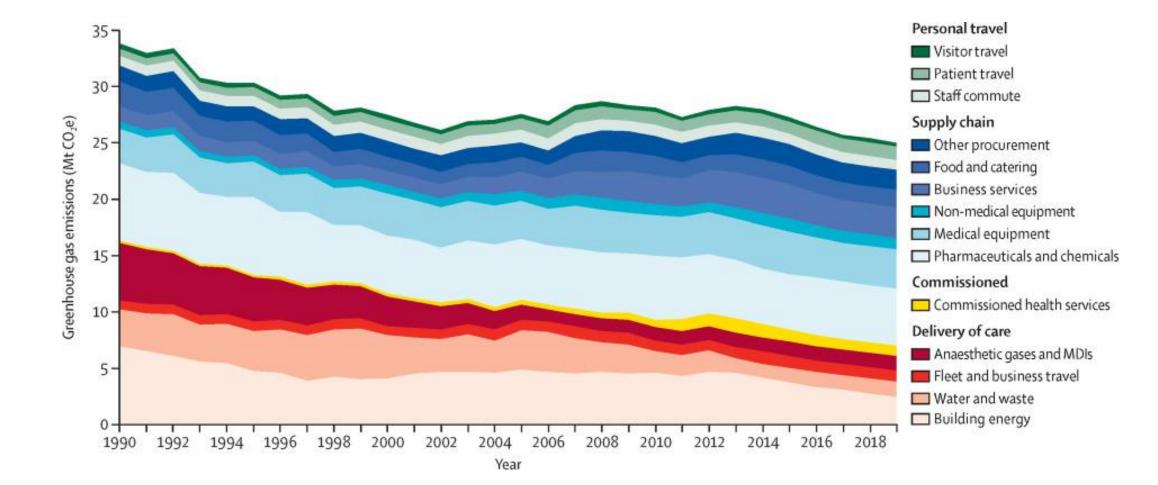


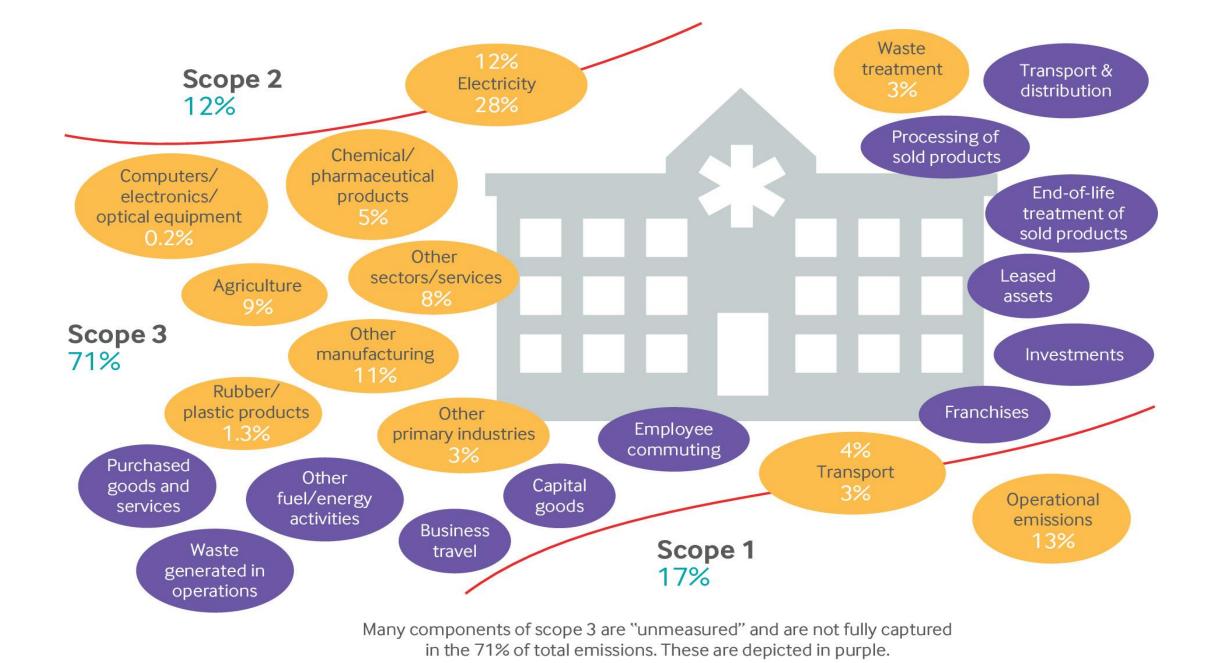
The Carbon Footprint of the NHS --NHS England commits to net zero by 2040 for direct emissions and by 2045 for indirect emissions





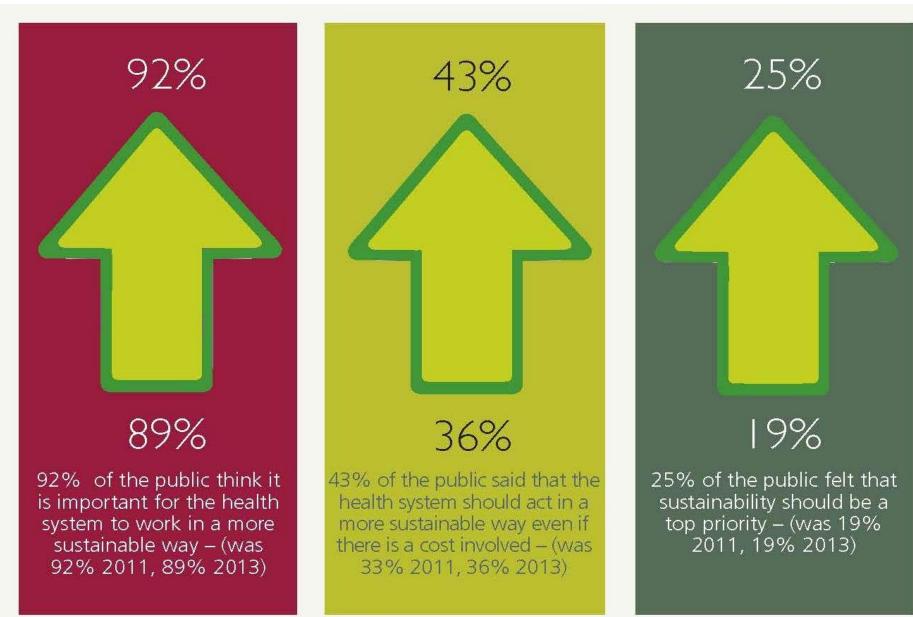
¹In 2019, the NHS emissions totalled 25 megatonnes CO2e, a reduction of 26% since 1990, and a decrease of 64% in the emissions per inpatient finished admission episode.' (Tennison et al Lancet Planetary Health 2020)





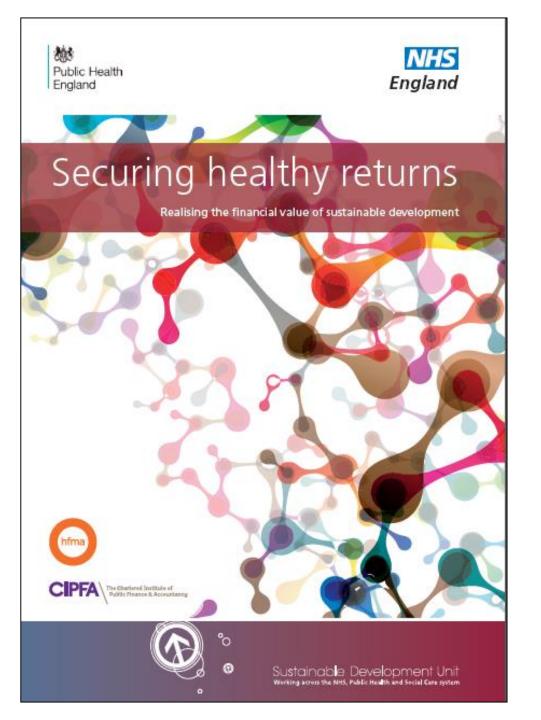
• Salas et al BMJ 2020

Public support



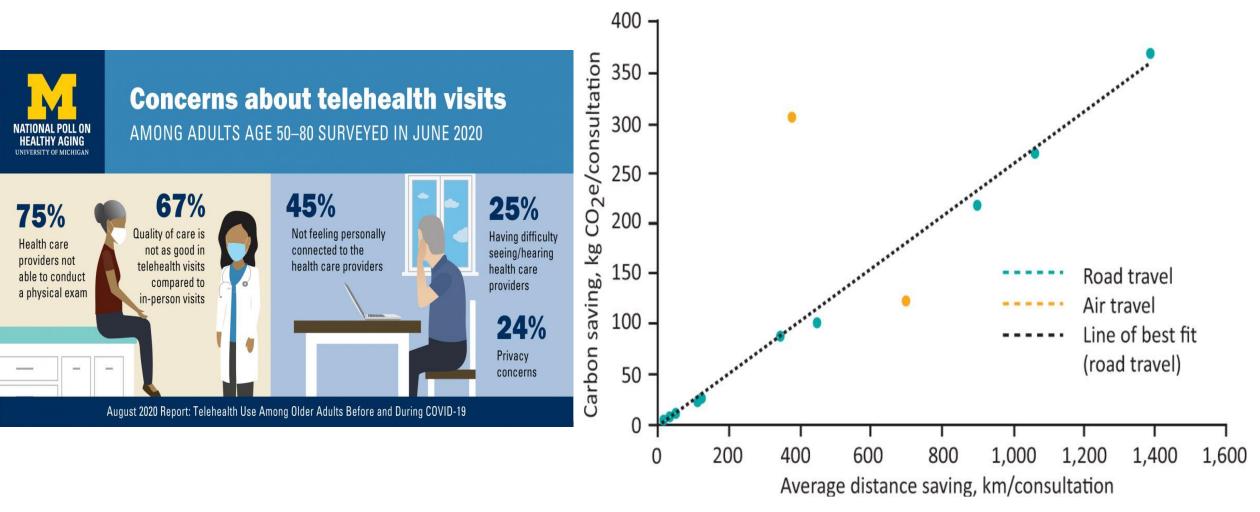
Financial Case

- From energy measures alone
- £1.85bn saving since 2007
- £190m annual saving in 2015
- £370m savings pa by 2020
- Money kept in local health economies



Appropriate use of technology--

Carbon footprint against travel distance savings of telehealth interventions.



Amy Purohit et al. Future Healthc J 2021;8:e85-e91



Gadegaard A, Penny T. "Lifelong **Type 2 Diabetes** Management Care Pathway," Coalition for Sustainable **Pharmaceuticals and Medical** Devices (CSPM), October 2015

http://www.sduhealth.org.uk/areas -of-focus/carbonhotspots/pharmaceuticals/cspm/ca <u>se-studies.aspx</u>



Marsh K et al. "Expanding **Health Technology Assessments to Include** Effects on the **Environment**," published online in Value in Health, **January 2016**

http://www.valueinhealthjourn al.com/article/S1098-3015(15)05128-1/abstract



Address or proposalises for Bevin Marsh, Evideos Inc., Metzo Building, 4th Phore, I Butterwick, Hammersmith, London, UK

- Toward Levis new collection and Outcomes Newsarch (EPOR). 2019;51(2):00 - ise front matter Copyright 6 2015, International Society for Plasmacoeconomics and Outcomes Newsarch (EPOR). Published by Elsevier Inc. http://dx.doi.org/10.1016/5.jval.2015.11.008

Win wins

-Saving lives with solar

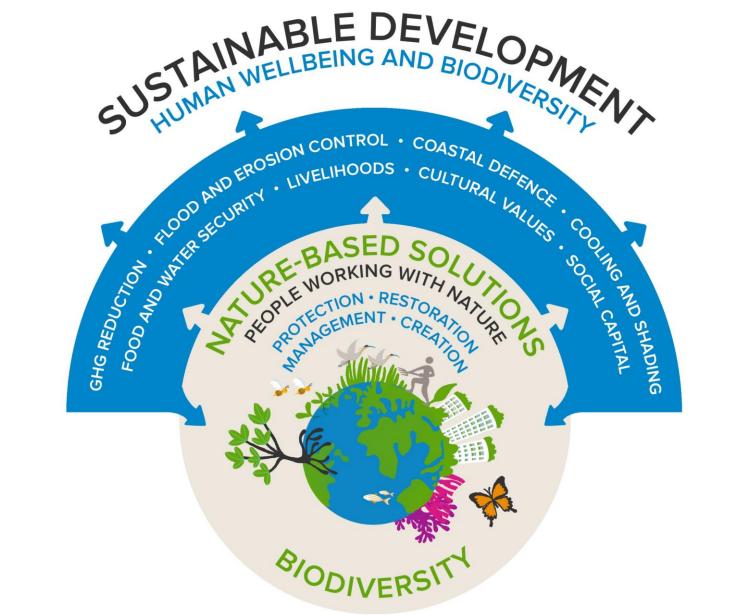
- University Hospitals N. Midlands
- Public investment raised £336K
- Community owned solar on hospital.
- No capital cost to NHS
- £300k to tackle local fuel poverty





Nature-based solutions





https://royalsociety.org/topics-policy/projects/biodiversity/nature-based-solutions/

Developing tool kits to support change----

🐮 Green Impact for Health Toolkit – 🗙 🕂

GREENER

GREEN IMPACT FOR HEALTH TOOLKIT

Our Work

OUR WORK

WORKING WITH RCGP WORKING WITH CCGS AND PCNS

GREEN IMPACT FOR HEALTH TOOLKIT

Green Impact for Health Toolkit

File Explorer Rendeley ...

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We have been encouraging local practices to use the RCGP Green Impact for Health Scheme which is a useful tool to get started on the road to sustainable healthcare. See the "For GPs" section for more information.

Climate ch...

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ENG

Greener Practice was instrumental in developing the RCGP South Yorkshire and North Trent

Towards net-zero resilient health systems

image from https://www.calgary.ca/UEP/ESM/Pages/Energy-Savings/Climate-Change.aspx?redirect=/climateprogram

