

Delivering a net zero health service: an example from the NHS in England

ZUKE GREEN HEALTH Kongress
23 November 2022

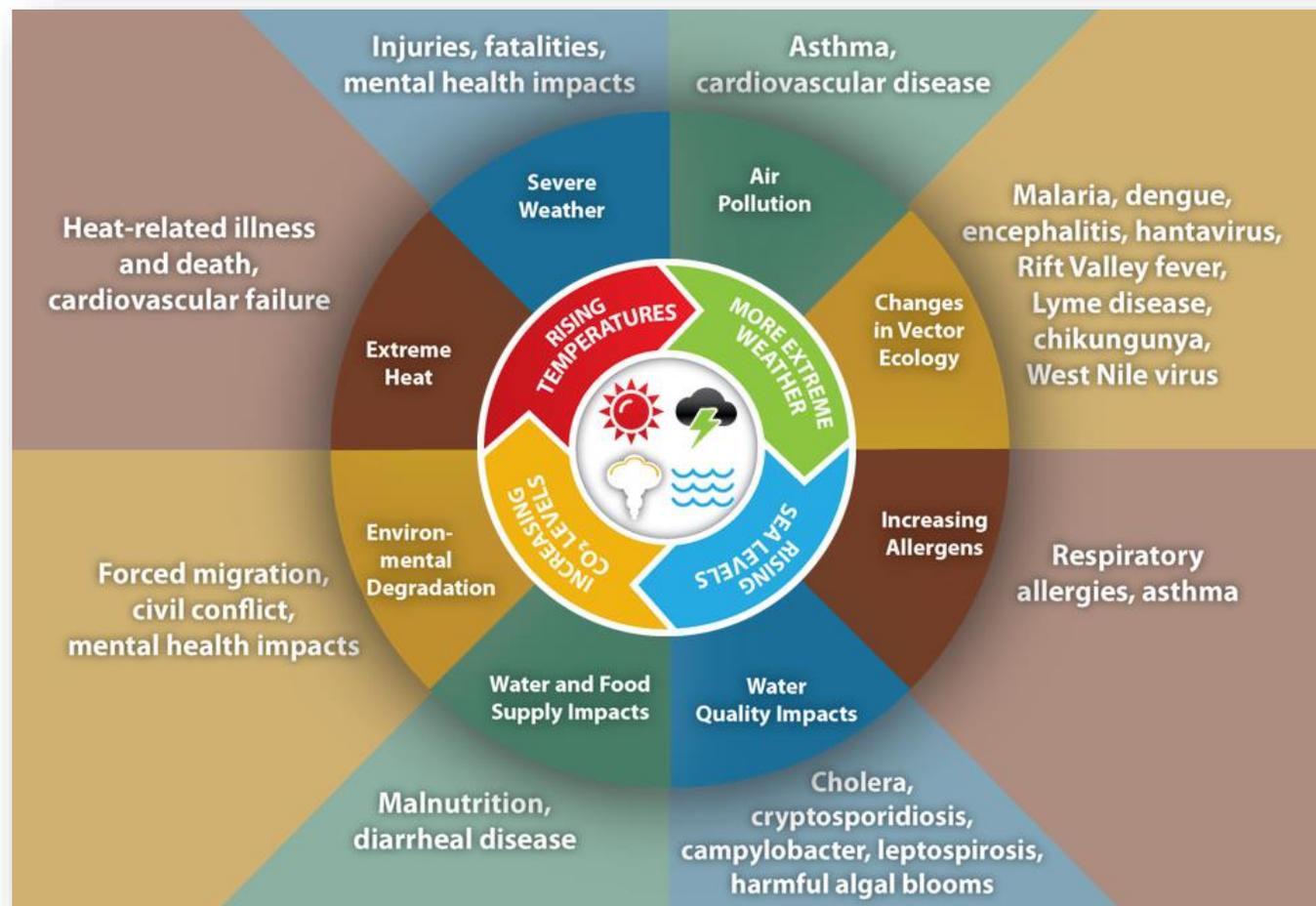
Sarah Ouanhnon, Senior Net Zero Delivery Lead, NHS England



Why a Net Zero Health Service?



The Climate Emergency is a health emergency



Source: Center for Disease Control and Prevention. [Climate effects on health](#). 2017

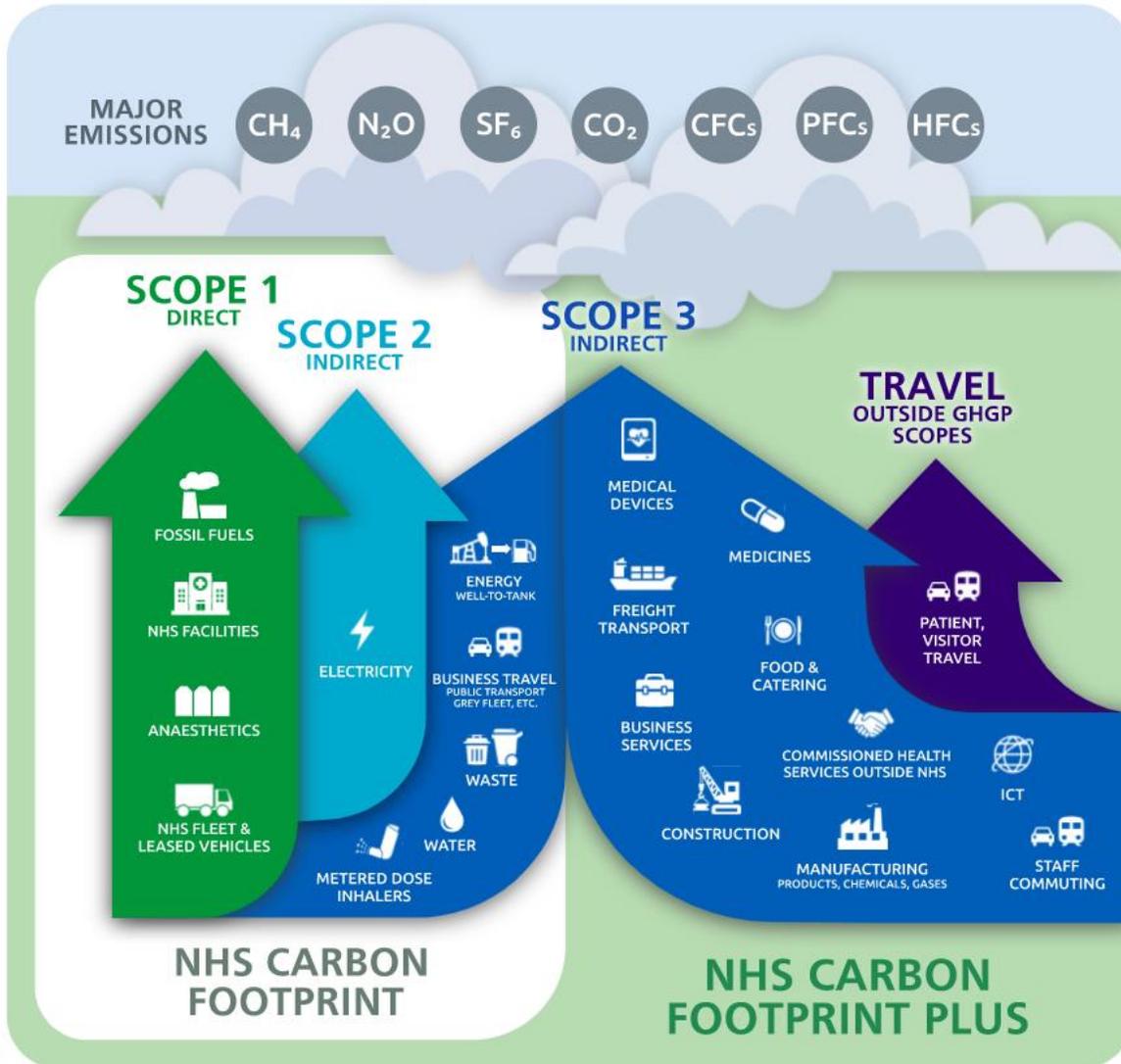
Why a Net Zero Health Service?

Reaching the UK's ambitions under the Paris Climate Change Agreement could see:

- over 5,700 lives saved every year from improved air quality,
- 38,000 lives saved every year from a more physically active population
- over 100,000 lives saved every year from healthier diets.



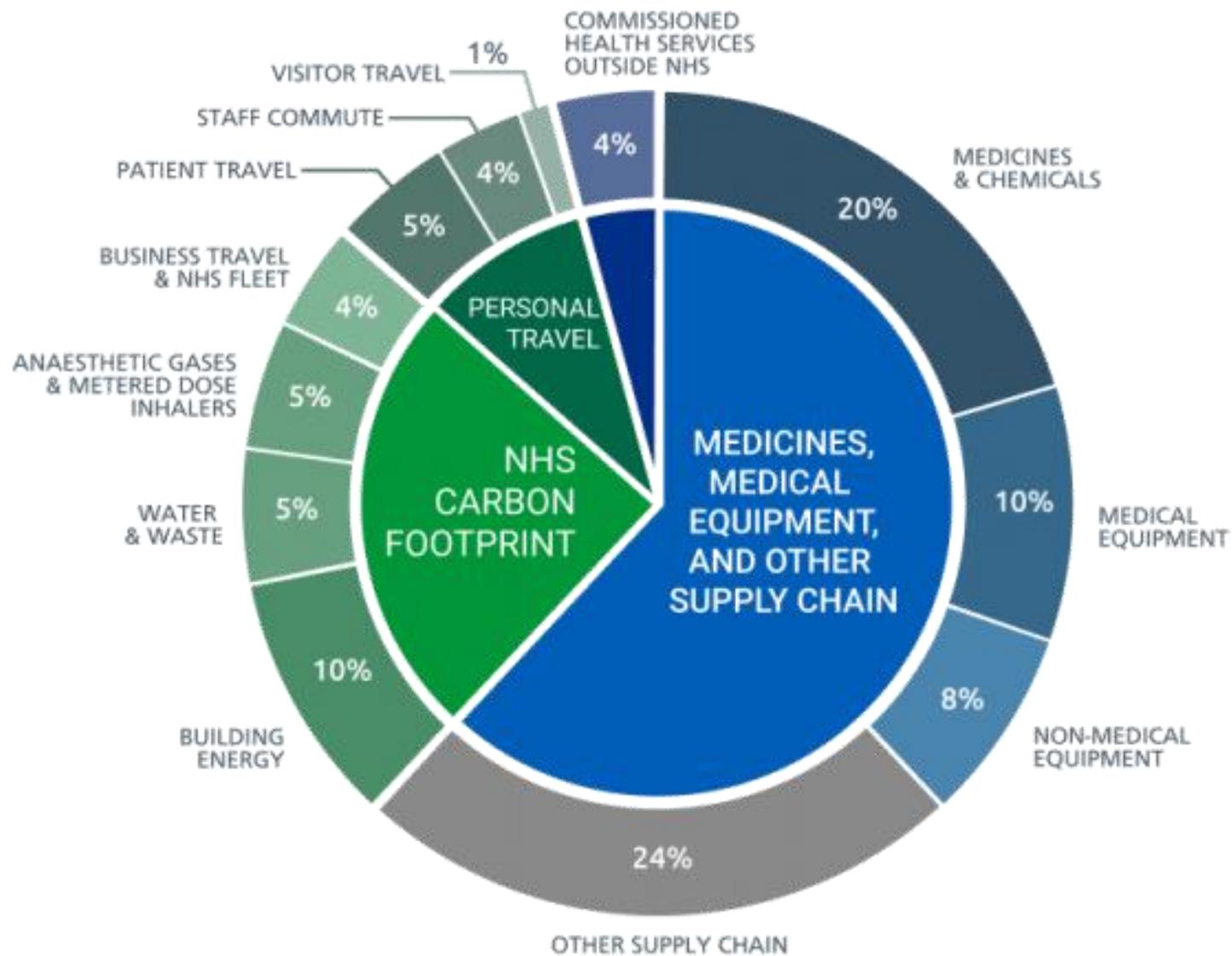
The NHS Net Zero targets



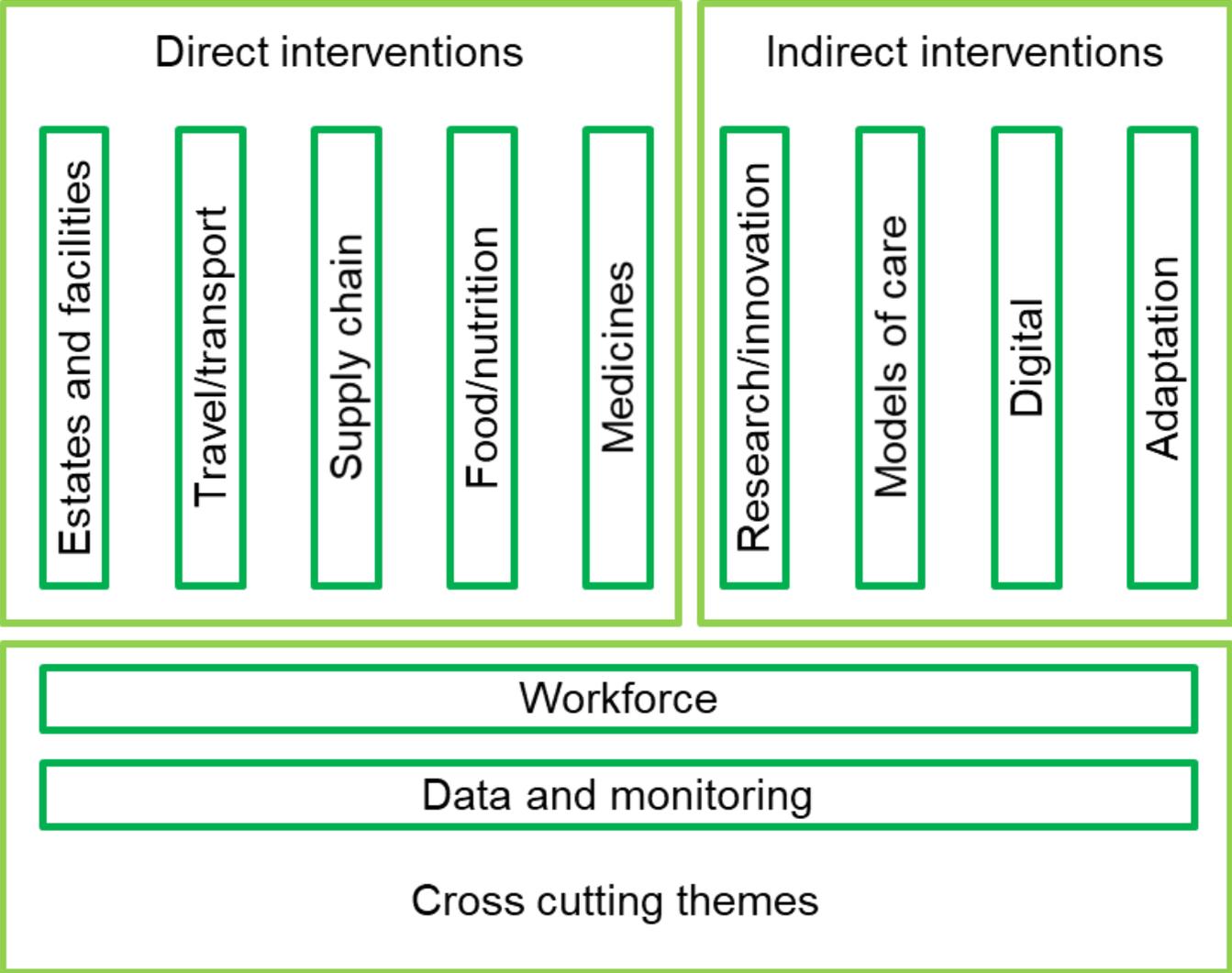
Reaching Net zero carbon

- **by 2040 for the emissions we control directly** (the NHS Carbon Footprint)
 - *with an ambition to reach an **80% reduction**, compared with a 1990 baseline, **by 2028 to 2032**.*
- **by 2045 for all emissions**, including those embedded in the supply chain (the NHS Carbon Footprint Plus)
 - *with an ambition for an **80% reduction**, compared with a 1990 baseline, **by 2036 to 2039**.*

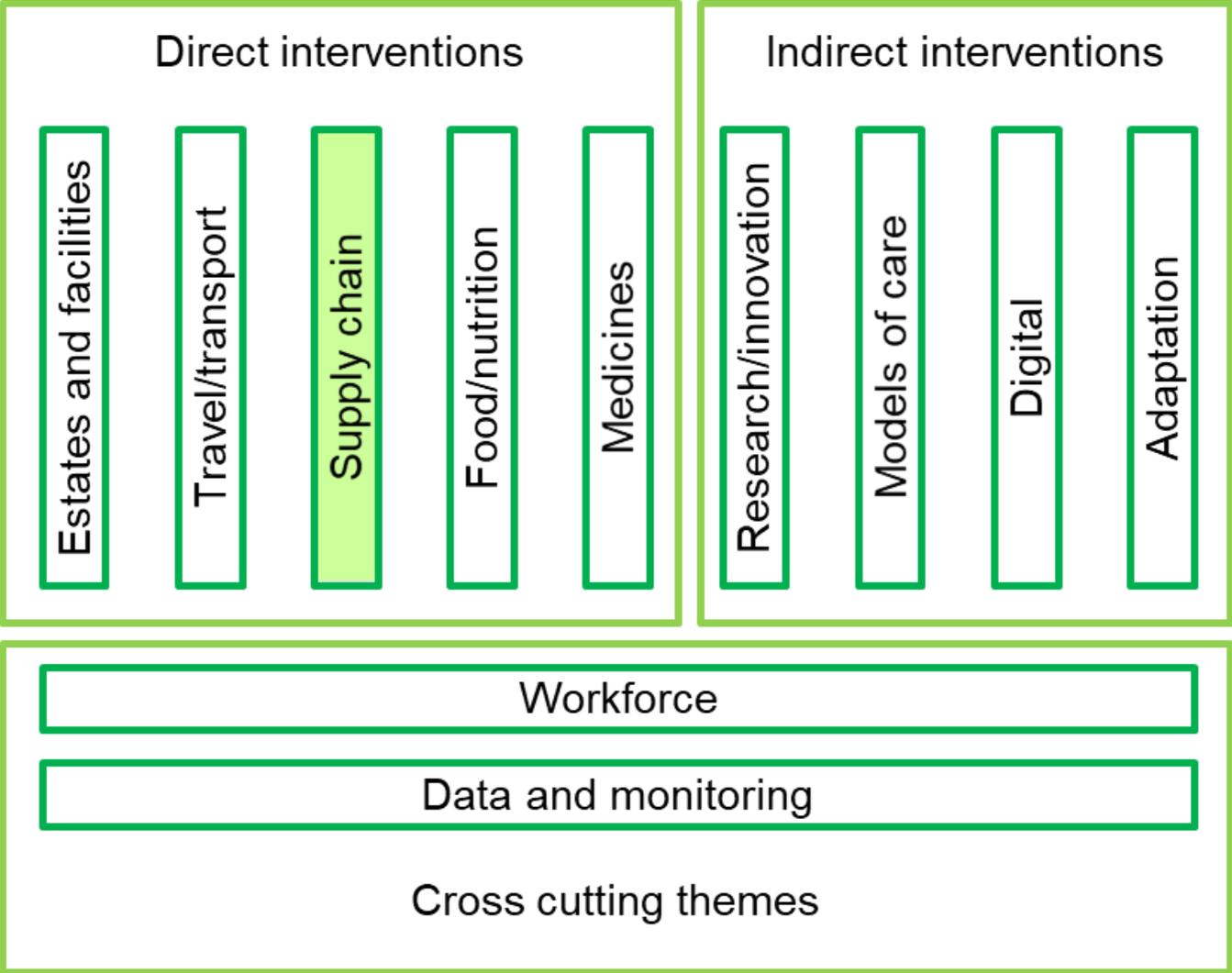
The NHS footprint



At national level, the programme is divided into key workstreams



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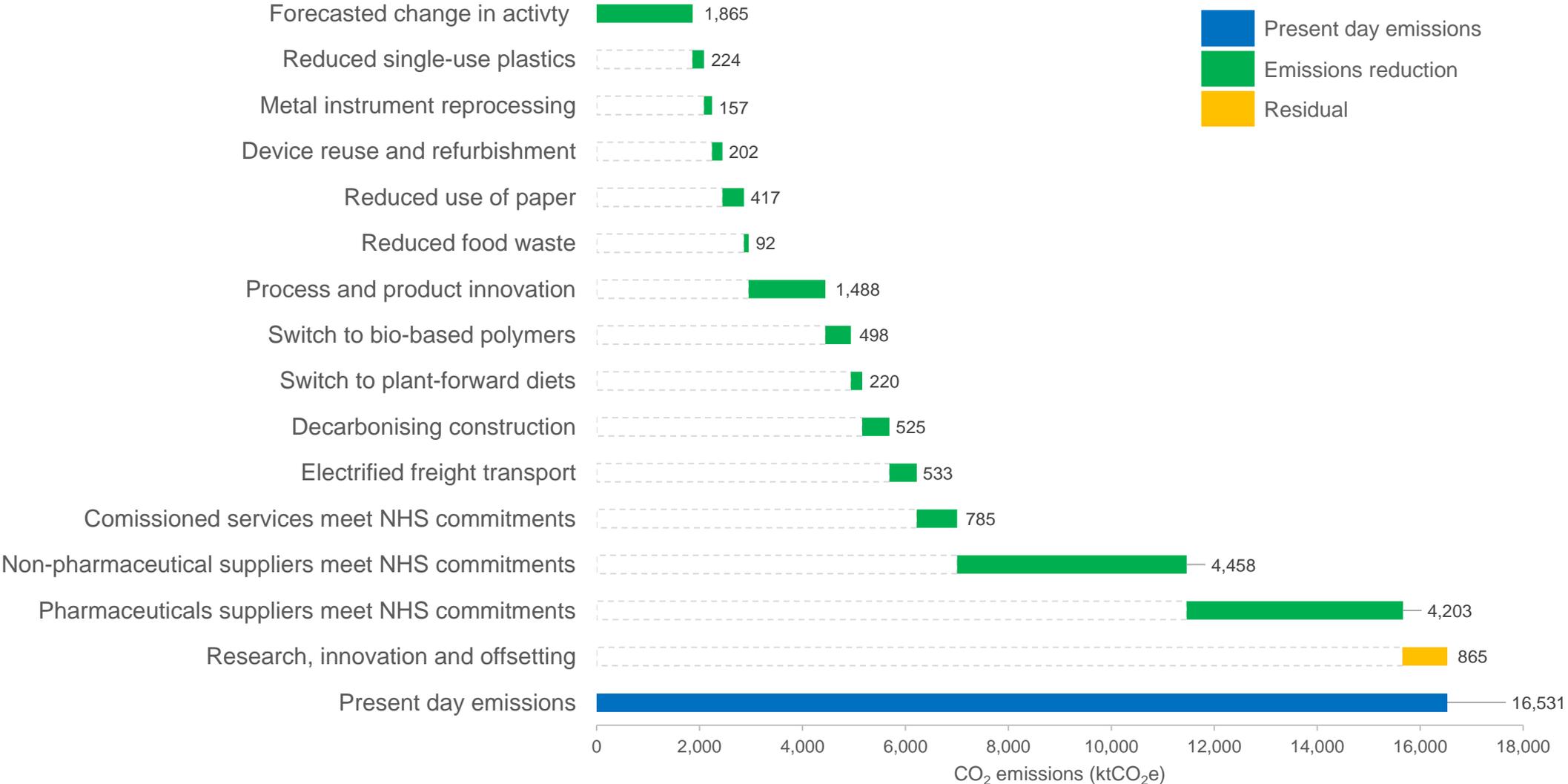


Interventions in the supply chain

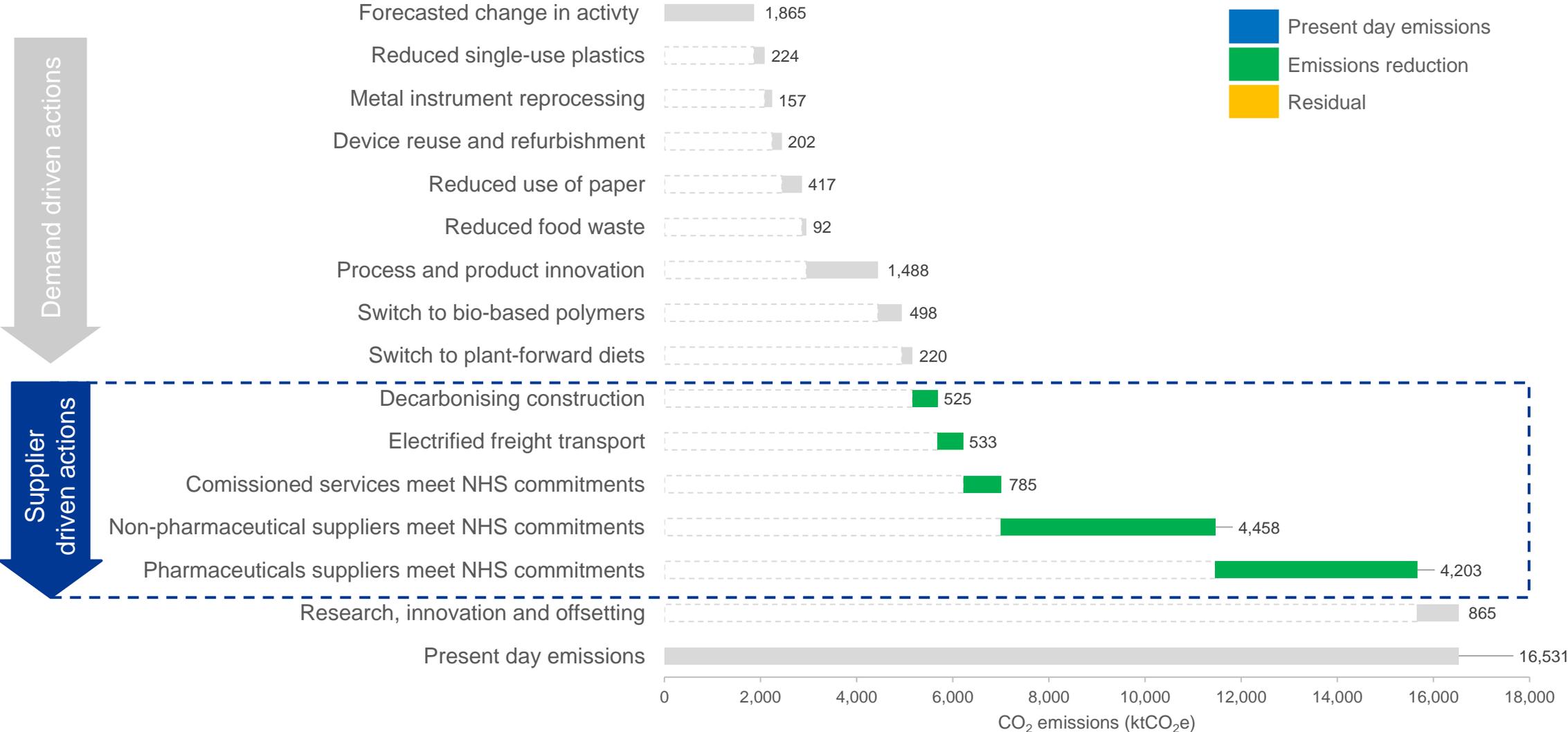


Demand driven actions

Supplier driven actions



Interventions in the supply chain



The NHS Net Zero Supplier Roadmap: setting clear expectations



2022

From April 2022, all NHS procurements will include a minimum 10% net zero and social value weighting. The [net zero and social value guidance for NHS procurement teams](#) will help unlock health-specific outcomes (building on [PPN 06/20](#))

2023/24

From April 2023, for all contracts above £5 million, the NHS will require suppliers to publish a carbon reduction plan for their UK Scope 1 and 2 and a subset of scope 3 emissions (building on [PPN 06/21](#)). From April 2024, the NHS will extend this requirement to cover all procurements.

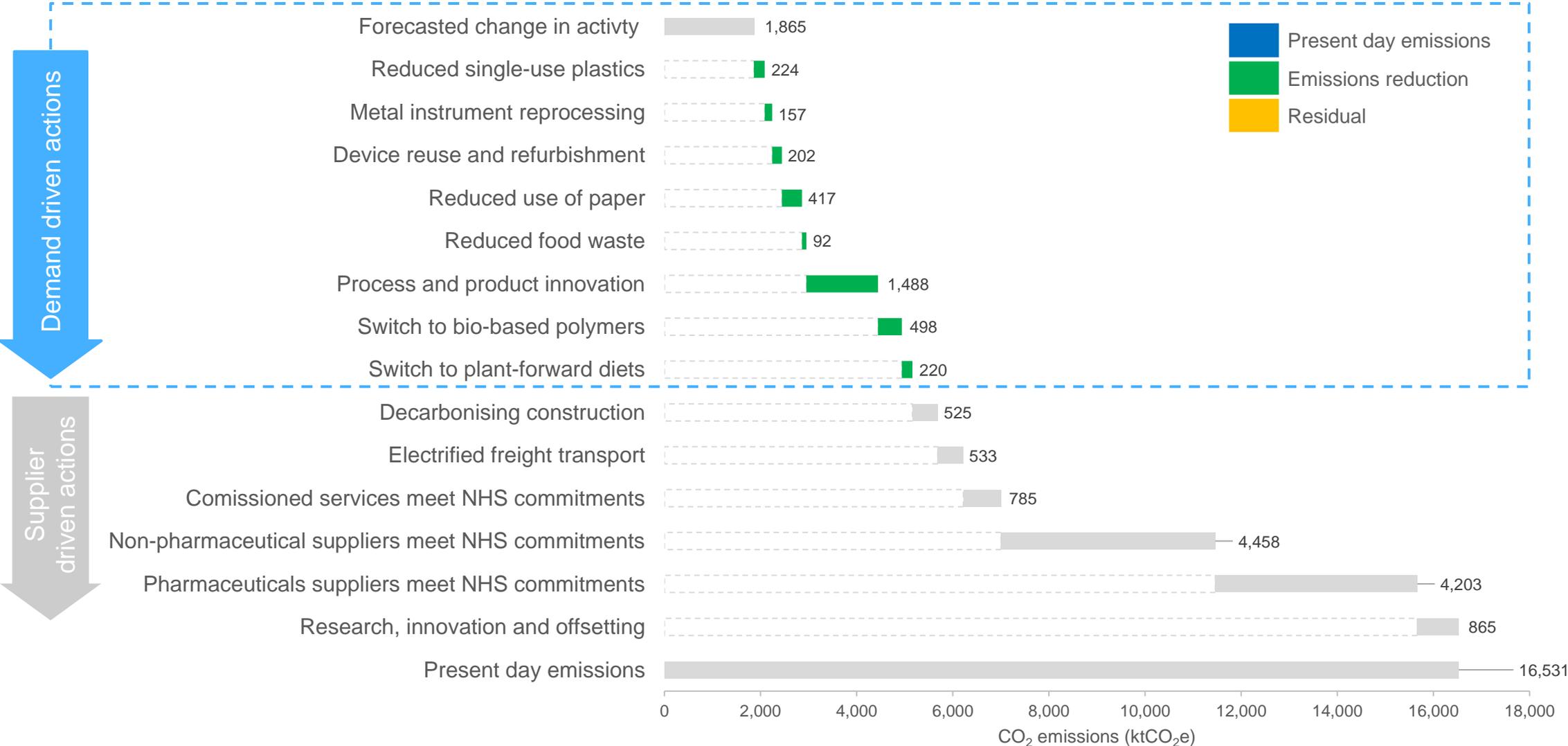
2027

From April 2027, 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.

2028

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

Interventions in the supply chain



The 5 Rs of Sustainable Procurement Good Practice



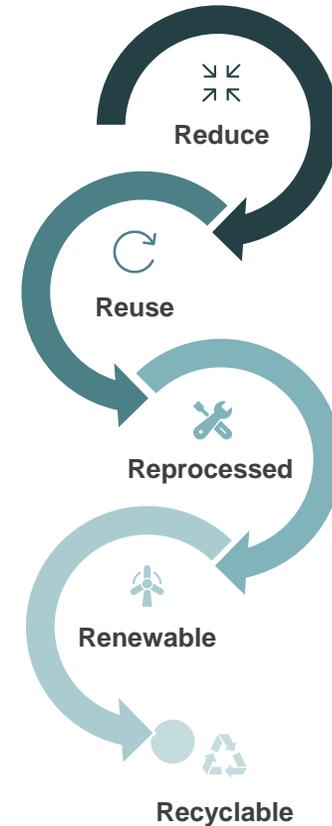
As a general rule, we should consider the '5 Rs' of sustainable procurement in this order:



1. Reduce: Can you do without the product?

3. (Buy) Reprocessed: Can you buy reprocessed or refurbished?

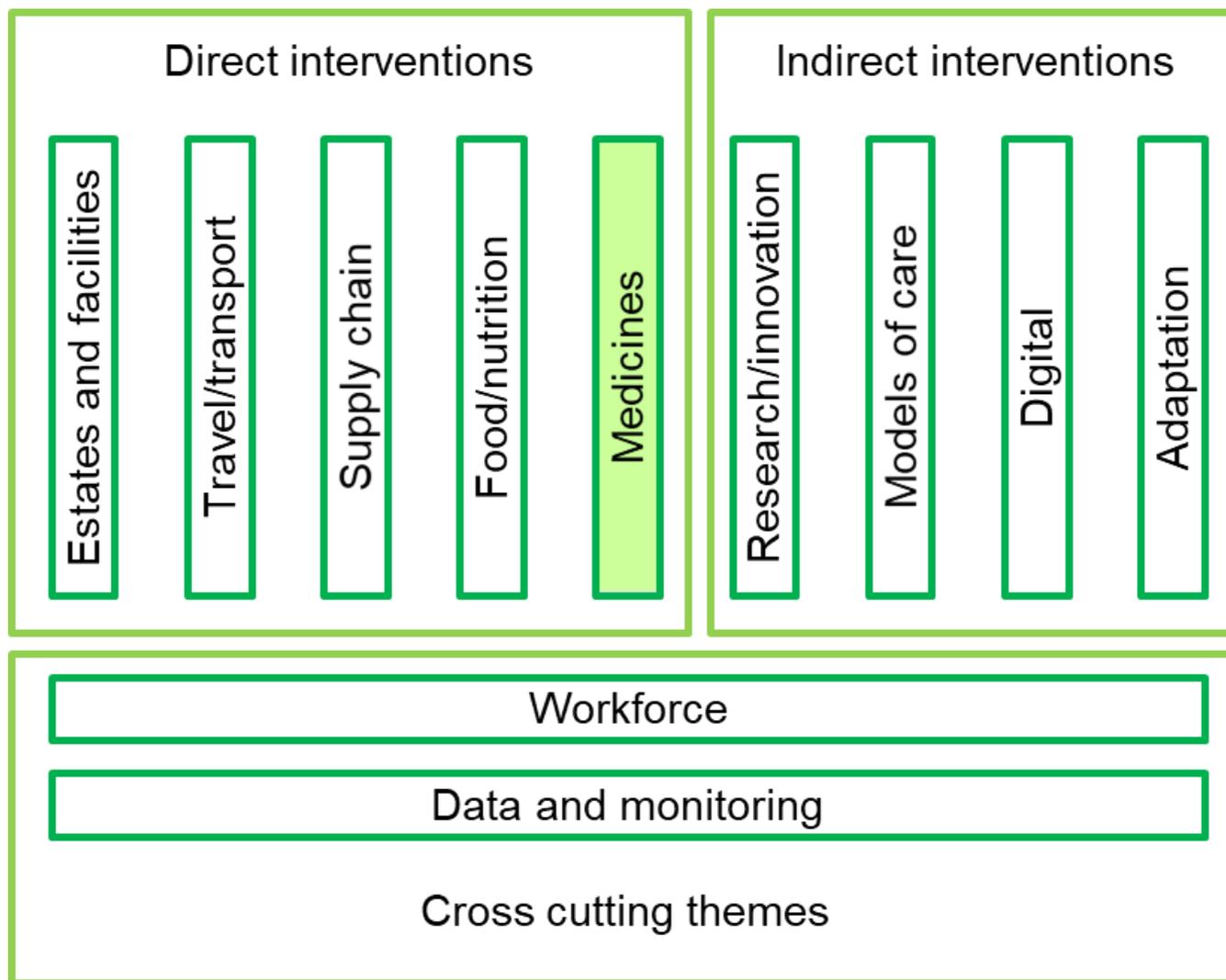
5. (Buy) Recyclable: Is the product recyclable?



2. Reuse: Can you buy reusable products instead of single use?

4. (Buy) Renewable: What is the product made of?

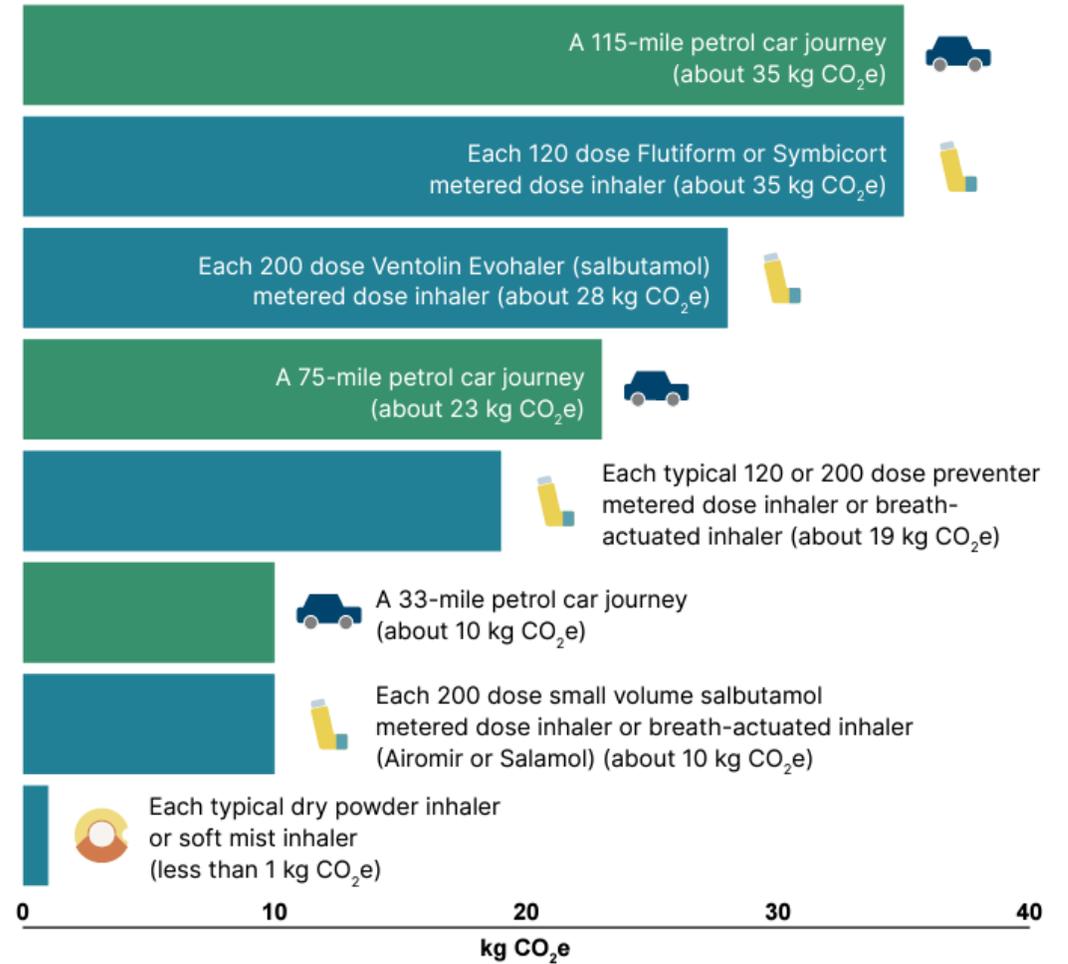
At national level, the programme is divided into key workstreams



Optimising our use of medicines and improving patient outcomes

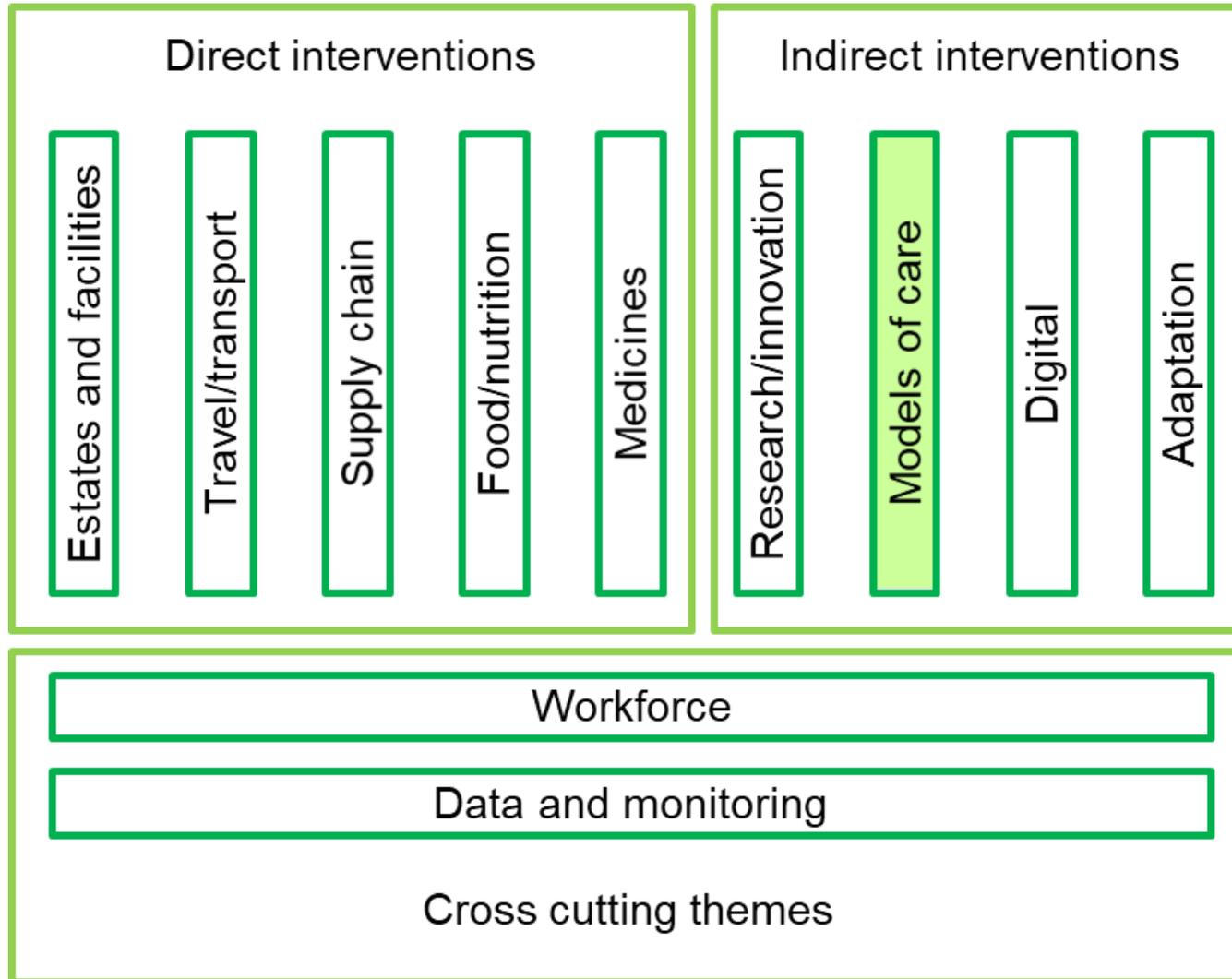


Anaesthetic gases and inhalers account for 5% of the NHS footprint



Source: [NICE Patient Decision Aid – Asthma inhalers and climate change](#)

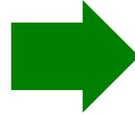
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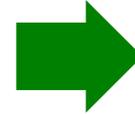
Sustainable models of care: net zero clinical transformation



Keeping people healthy over the course of their life



When they are unwell, provide the right care, at the right time in the right place



Reduce the embedded carbon in care delivery

The importance of a collaborative, multi-level approach



Every NHS Trust has a green plan

Together, these plans will reduce carbon emissions equivalent to taking half a million cars off the road.

#GreenerNHS

**HEALTHIER PLANET
HEALTHIER PEOPLE**

National policy



Case studies

Local pilots

International collaboration is essential!



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Rapid Response:
A commitment to decarbonise by 2045: an open letter to all NHS suppliers

As global leaders come together at the UN Conference of the Parties this week, we, the International Leadership Group for a Net Zero NHS, recognise that climate change poses an unequivocal threat to human health. Left unabated climate change will disrupt care, with poor environmental health contributing to major illnesses, such as asthma, cardiac problems and cancer.

Healthcare delivery contributes 4.4% of global carbon emissions. Therefore, healthcare systems and their supply chains are both part of the challenge and the solution, having a key role to play in supporting the response to climate change.

<https://www.bmj.com/content/375/bmj.n2425/rr-4>

HHS Shares Health Sector Emissions Reduction and Climate Resilience Announcements at COP27

Highlights include updates to the White House/HHS Health Sector Climate Pledge and bilateral collaboration on developing procurement guidance

(Sharm el-Sheikh, Egypt) – A U.S. Department of Health and Human Services (HHS) delegation to the United Nations Climate Conference (COP27) announced that more than 100 health care organizations have signed the [White House/HHS Health Sector Climate Pledge](#) to meet bold targets for emissions reduction and climate resilience. The delegation also described plans to collaborate with the National Health Service (NHS) of England on developing proposals for aligned procurement requirements as part of a larger update on progress and future plans.

<https://www.hhs.gov/about/news/2022/11/10/hhs-shares-health-sector-emissions-reduction-climate-resilience-announcements-at-cop27.html>



< COP26 Health Programme

Country Commitments

A growing number of countries has formally committed to develop climate resilient and low carbon, sustainable health systems.

Country	Climate resilient health systems	Sustainable low carbon health systems	Net zero commitment	Net zero target
Total: 60	59	55	20	



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Thank you!



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Social media: www.twitter.com/GreenerNHS

Ebulletin: <https://www.england.nhs.uk/email-bulletins/greener-nhs/>

Future NHS workspace (NHS staff only): <https://future.nhs.uk/sustainabilitynetwork>