

IHPN Net Zero Group



Agenda

- Introductions and update since the last meeting Danielle Henry, IHPN
- Centre for Sustainable Healthcare (CSH) presentation on CSH's clinical work programme and their NHS Forest and greenspace work
 - Rachel Stancliffe, CEO of CSH
 - Elizabeth Rees, Green Space for Health Programme Director
- Sharing best practice session:
 - Rupesh Bagdai, Professional Services Director and Kay Hooper, Quality Team Manager, Primary Eyecare Services
 - Martin Alley, Supply Chain and Procurement Director Partnerships Director, Spire Healthcare
 - Paulo Sergio Andrade, Head of Public Affairs and Engagement, 18 week support
- Archetypes Josh Edwards, IHPN
- What's coming next Net Zero Workshop 5th February

IHPN update on what we have done recently

- Group met last in June 2024
- IHPN's voluntary industry wide net zero commitment to be net zero for scopes 1 and 2 by 2035, and for scope 3 by 2045 majority of members now signed up
- Alongside the Association of British Insurers (ABI), IHPN launched a new data dashboard which will be used by healthcare providers to showcase their work to achieve net zero
- IHPN now sit on the Association of Anaesthetists, Sustainability Committee and presented on work to date last week
- Blog published to coincide with COP29
- Don't forget recordings and slide packs alongside other resources can be found on <u>our website</u> a resource library for IHPN members



Centre for Sustainable Healthcare (CSH)

Presentation on CSH's clinical work programme and their NHS Forest and greenspace work

- Rachel Stancliffe, CEO of CSH.
- Elizabeth Rees, Green Space for Health Programme Director

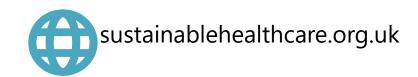


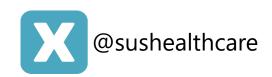


Sustainable Healthcare

Rachel Stancliffe, CEO







The Centre for **Sustainable Healthcare**

We are a registered charity, based in Oxford and working nationally and internationally to support the healthcare sector to lead and model climate action.





Over 16 years experience



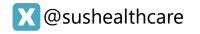
Experimental, evidencebased approach to change



Collaborate with individuals and organisations to reshape and create a more sustainable healthcare system







Since 2008 the Centre for Sustainable
Healthcare has engaged healthcare
professionals, patients and the wider
community to understand the connections
between health and environment and
reduce healthcare's resource footprint.

INSPIRE

EMPOWER

TRANSFORM



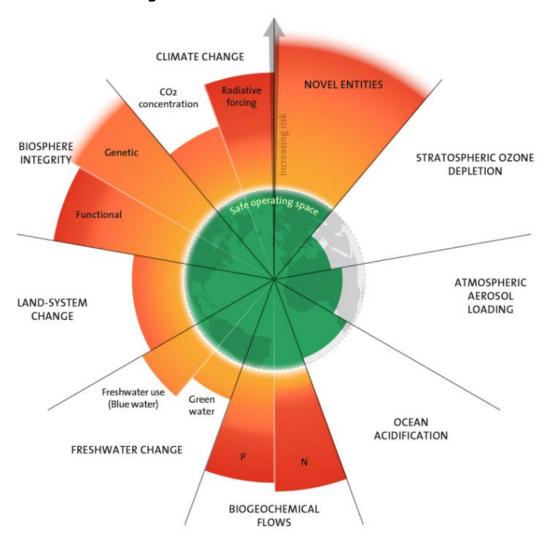




Planetary Boundaries

A safe operating space for humanity





- ▶ 6 out of 9 boundaries already crossed:
 - climate change
 - biosphere integrity
 - land-system change
 - freshwater use
 - biogeochemical cycles (phosphorus and nitrogen)
 - Novel entities

Earth beyond six of nine planetary boundaries, Richardson et al. 13 Sep 2023 https://www.science.org/doi/10.1126/sciadv.adh2458

The 2020s are the most important decade humanity has ever faced.

In the next 6 years we will choose our future

Every fraction of a degree matters

Every Month Matters

Every Choice Matters





RE

TRANSFORM



London flooding: Whipps Cross Hospital evacuates 100 patients and all surgery axed after storm





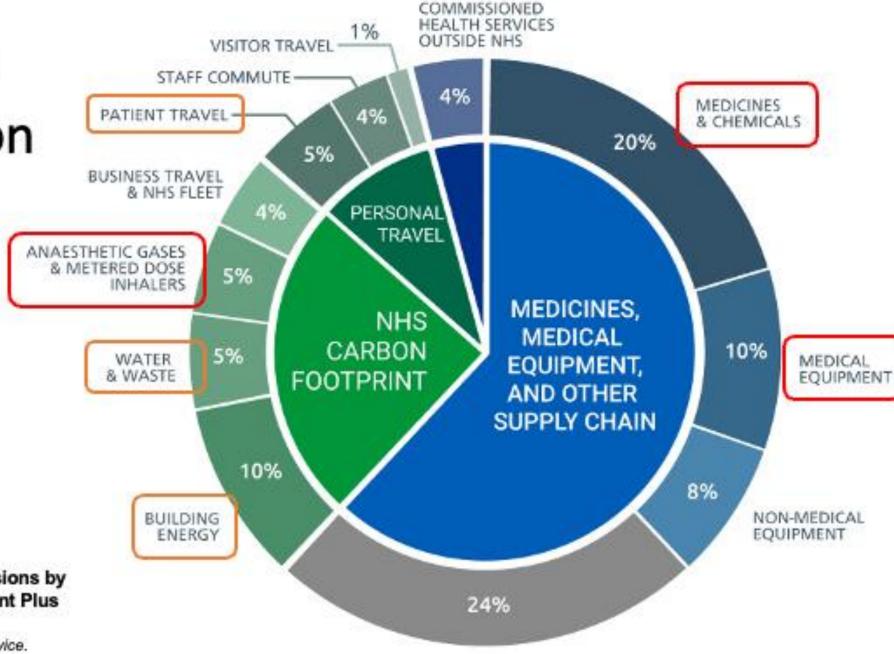
Health services are vulnerable...



...and healthcare is part of the problem



Clinical care drives carbon

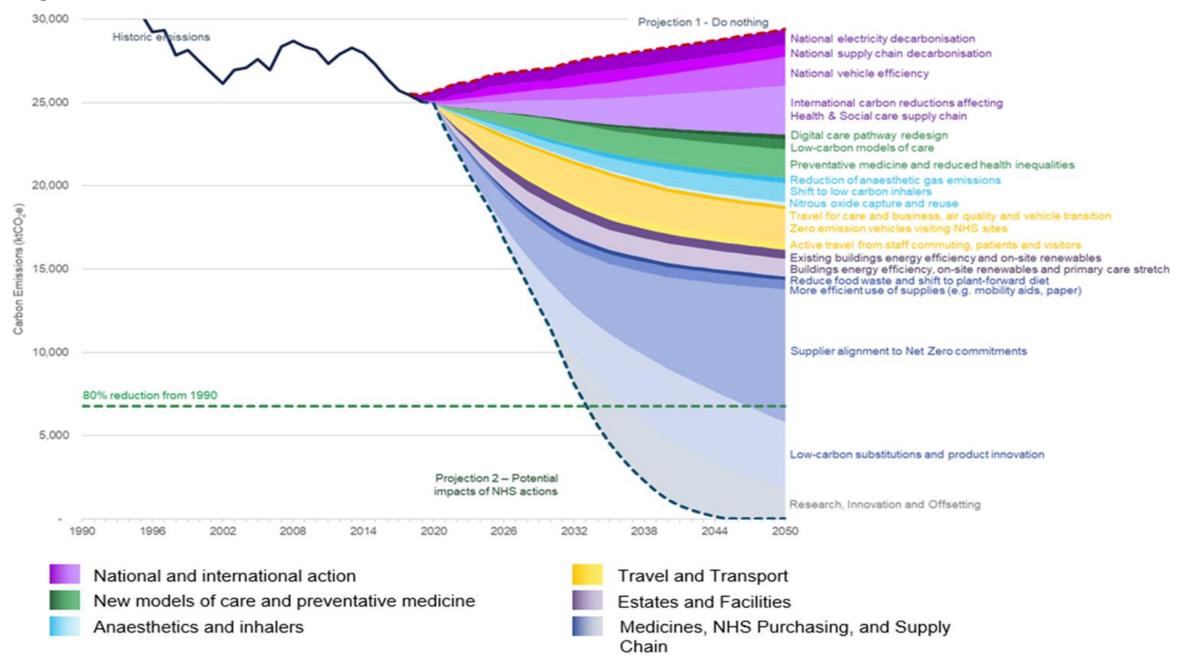


OTHER SUPPLY CHAIN

Figure 2: Sources of carbon emissions by proportion of NHS Carbon Footprint Plus

Delivering a 'Net Zero' National Health Service. NHS England & Improvement (Oct 2020)

Wedges - how will Net Zero be achieved?



The Centre for Sustainable Healthcare

Our work is guided by the <u>principles of sustainable clinical practice</u>

1. PREVENTION

Promoting health and preventing disease by tackling the causes of illnesses and inequalities

3. LEAN SERVICE DELIVERY

Streamlining care systems to minimise wasteful activities



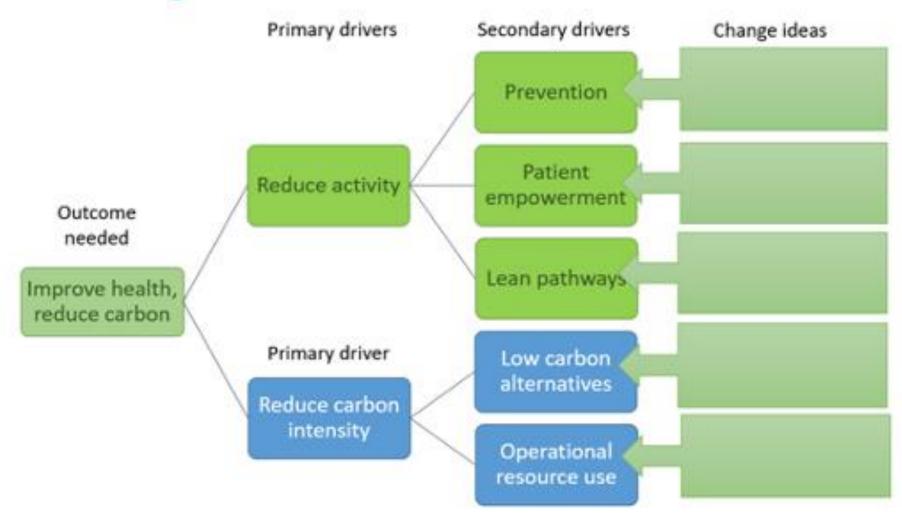
2. PATIENT SELF-CARE

Empowering patients to take a greater role in managing their own health and healthcare

4. LOW CARBON ALTERNATIVES

Prioritising treatments and technologies with a lower environmental impact

The principles of sustainable clinical practice as drivers for change



Transforming Care Pathways

Analyse hotspots

 Work with organisations and departments to identify priority areas for focus –

Use the principles of sustainable healthcare Include Choosing Wisely recommendations for low value care

Propose options/models for transformation of specific clinical areas



Carbon Footprinting

The first step in making your department, clinical pathway or service more sustainable

A carbon footprint analysis of:







Clinical pathway or service



Healthcare product



Provides insight where change will have the highest carbon reduction impact



Maintains high quality care







X @sushealthcare



Carbon Footprinting resources and support



Carbon
Footprinting Case
studies, Tools &
Resources



Consulting & Bespoke Carbon Literacy Workshop



Carbon
Footprinting for
Healthcare
Courses



Carbon
Footprinting for
Healthcare
Network







Sustainability in **Quality Improvement**

Sustainability in Quality Improvement (SusQI) is an approach to improving healthcare in a holistic way, by assessing quality and value through the lens of a "triple bottom line".

To determine its "sustainable value", the health outcomes of a service are measured against its:



Environmental

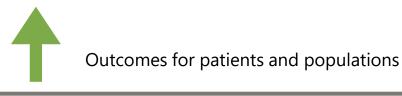


Social



Economic costs and impacts





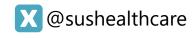




Environmental + social + financial impacts (the 'triple bottom line')









Sustainability in Quality Improvement

<u>SusQI embeds the</u> CSH principles of sustainable clinical practice:





Prevention



Patient empowerment and self-care



Lean clinical pathways



Low-carbon alternatives



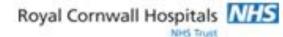
Competitions



























Green Teams Competition

2023 impact

6 competitions run. Average annual saving **per organisation 60.9 Tonnes** and **£235K**

+ efficiency gains, boosting staff morale and improving experience for patients.

Excellent for staff engagement

Case studies produced and shared nationally

Awards and recognition for staff and Trust nationally and internationally

Collaboration

With each other

Networks

Best practice

Joint projects

Shared resources

With other parts of the NHS

Across the organisations (ICS, HINs etc)

Supply chain

National bodies such as Greener NHS

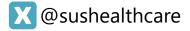
With external partners

Evaluation and research

Case studies

Advice and training







The **Community**

An inclusive community of healthcare professionals, patients, researchers, students and more.



31+ specialty and discipline specific networks



Carbon **Footprinting** for Healthcare



Mental Health Sustainability Network



Allied Health Professions Sustainability Network



Green Space for Health

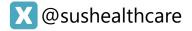


Primary Care Sustainability Network



Nursing **Sustainability** Network







Our Courses

Offer a mix of core concepts and case studies, followed by live online workshops with expert advice on applying theory to practice in your setting.





Introduction to
Sustainable Healthcare



Sustainable Mental Healthcare



Sustainable Primary Care



Sustainable Kidney Care



Sustainable Respiratory
Care



Sustainable Dentistry



Public Health Leadership for Sustainability



Green Space and Health



Sustainable Anaesthetics



Sustainable Procurement



Sustainable Child Health



Carbon Footprinting for Healthcare



Sustainability in Quality Improvement



Teaching Sustainability in Quality Improvement

*For organisations we also offer <u>block booking discounts</u>, <u>commissioned courses</u> and <u>board-level workshops</u>





Net Zero Leadership Training for Boards

- Apply leadership skills to sustainability challenges
- Communicate climate and health messages to staff and external stakeholders
- Refine or operationalise your Green Plan and measure improvement using triple bottom line QI methods



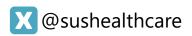


facilitators on how we as an organisation can make a contribution in tackling

this huge challenge."







Green Space for Health



Liz Rees **Green Space for Health Programme Director** elizabeth.rees@sustainablehealthcare.org.uk









NHS Forest Led by CSH's Green Space for Health team

Over 133,000 trees planted and more than 400 healthcare sites registered since 2009

 Up to a further 20,000 trees to be planted before March 2025 thanks to funding from DEFRA and the **Forestry Commission**













NHS Forest

It's more than just trees



- Nature Recovery Rangers
- Training and webinars
- Research and policy work
- Mapping and ecological advice
- Tree Equity Score
- Conference and awards
- Volunteer matching service
- Meadow creation, vegetable growing, nature trails, therapeutic gardens, orchards...















Why are trees and greenspace so important?

- A neglected health resource
- Mitigation of health inequalities
- Crucial benefits for prevention and therapeutic care
- Provide huge savings in treatment costs







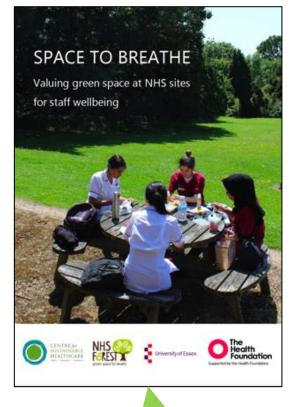


Space to Breathe

















Ecosystem services and other benefits Trees can act as a barrier









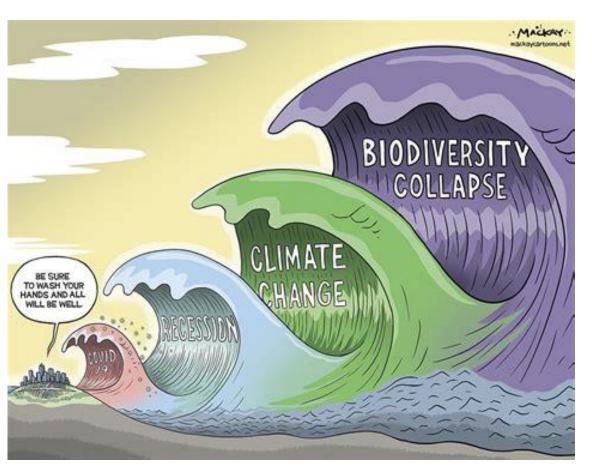






A net zero, nature-positive healthcare system















Tree equity

Trees help tackle health inequalities





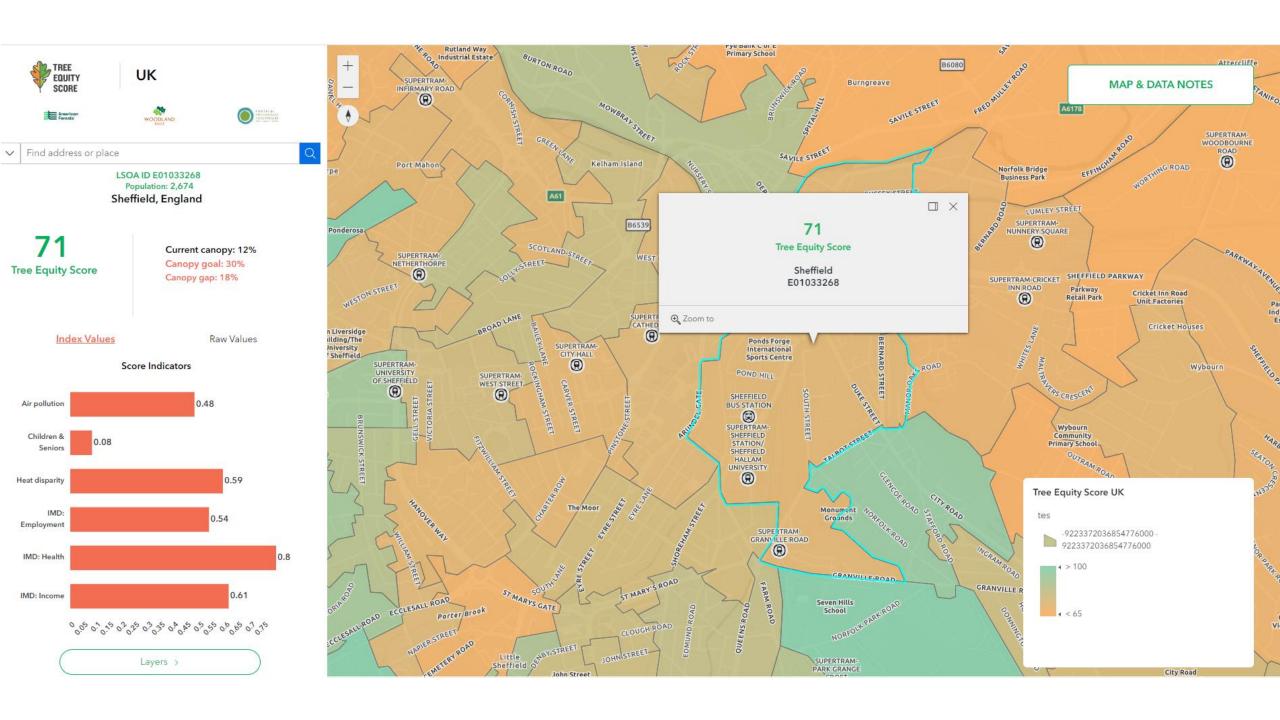








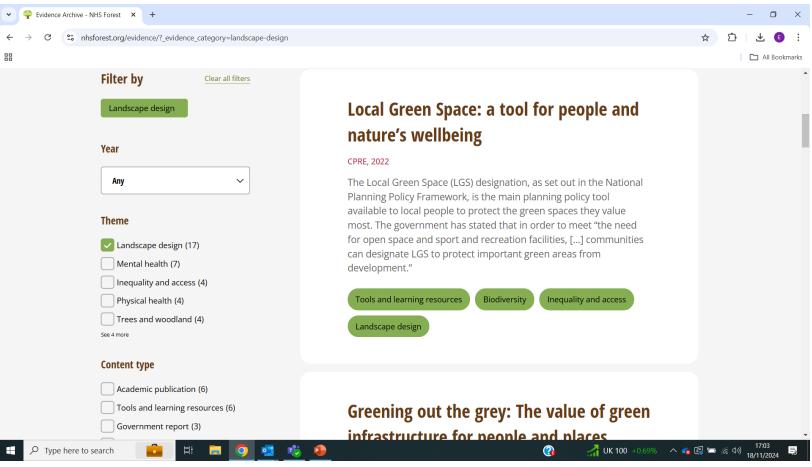




Evidence and resource database











Training and networks

Foundation Courses

- Introduction to Sustainable Healthcare
- Sustainable Primary Care
- Sustainable Mental Healthcare
- Sustainable Dentistry
- Sustainable Respiratory Care
- Sustainable Anaesthetics
- Sustainable Kidney Care
- Sustainable Child Health
- Public Health Leadership for Sustainability
- Green Space and Health
- Sustainable Procurement

Technical Courses

- Carbon Footprinting for Healthcare Sustainability in Quality Improvement (requires QI knowledge)
- Teaching Sustainable Quality Improvement

Next Green Space and Health course - 28th January 2025











Volunteer Matching service

Online service to bring sites and volunteers together

•Sites can register on the NHS Forest website

- Volunteers can sign up to receive notifications from sites
- •The site remains in charge











Our tree planting offer

2024-25

Wide range of bundles

2 Woodland creation



4 Fruit trees









"The best time to plant a tree was 30 years ago. The second-best time is now."



My email: elizabeth.rees@sustainablehealthcare.org.uk







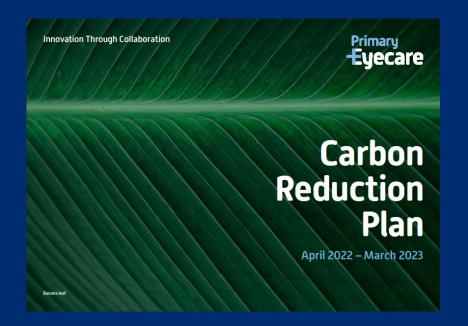




Sharing best practice session:

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 Director and Kay Hooper, Quality Team
 Manager, Primary Eyecare Services
- Martin Alley, Supply Chain and Procurement Director Partnerships Director, Spire Healthcare
- Paulo Sergio Andrade, Head of Public Affairs and Engagement, 18 week support





Carbon Reduction Plan



Rupesh Bagdai - Professional Services Director

Kay Hooper - Quality Team Manager

Primary Eyecare Services

- Not-for-profit organisation
- Deliver services through primary care optometry practices
- Work with multiples, small groups and independents
- Over 2500 practices providing our services
- Over 7000 clinicians delivering our services
- Virtual care urgent eyecare services
- Supported over 720,000 patients in 23-24
- Post operative cataract check ups



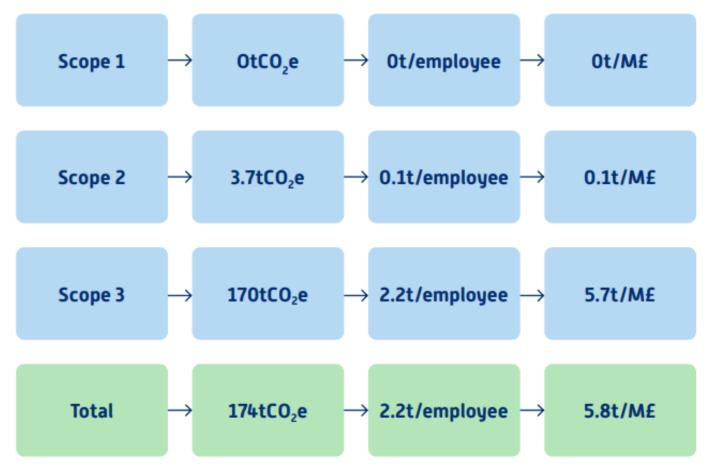
Net Zero - Our Approach

- Understanding our emissions / identified a platform to measure our emissions
- Launch
- Data Collection
- Employee Survey
- GHG report
- Climate Strategy
- Continuous Follow Up



GHG Emission Assessment Results

GHG Emission Assessment Result





Tonnes (t) of carbon dioxide (CO2) equivalent (e)

Challenges

- 1. Significant proportion of emissions within Scope 3
- 2. External providers
- 3. Staff working in external providers
- 4. Subcontractor optometry practices
- 5. Capture carbon savings



Opportunities

- Identify partners
- Sector body organisations, ICB commissioners
- Pilots with GM Primary Care Board
- Shift to digital delivery where appropriate
- Training materials, Continuous Professional Development (CPD), resource library.
- Comparing patient travel through community service and comparing to traditional hospital-based model.



Thank you Any questions, comments or feedback?

Primary Eyecare



IHPN Net Zero at Spire Healthcare

Martin Alley Group Supply Chain and Procurement Director 2 December 2024



Contents

- 1. Background
- 2. Carbon reduction plan and status
- 3. Carbon Champions overview
- 4. Solar PV and BMS controls
- 5. Future focus





Spire Healthcare today

Britain's largest independent healthcare company by turnover, operating across England, Wales and Scotland

What we do:

- Primary care: nationwide network of independent GPs
- Occupational health and employee assistance programmes
- Diagnostics
- Treatment and surgery: from orthopaedics to cancer and complex care
- Physiotherapy, recovery and rehabilitation
- NHS talking therapies and corporate and private mental health

38

Hospitals

50+

Clinics, consulting rooms and medical centres 1m+

People cared for in 2023

16.8K

Colleagues

8,650

Consultants





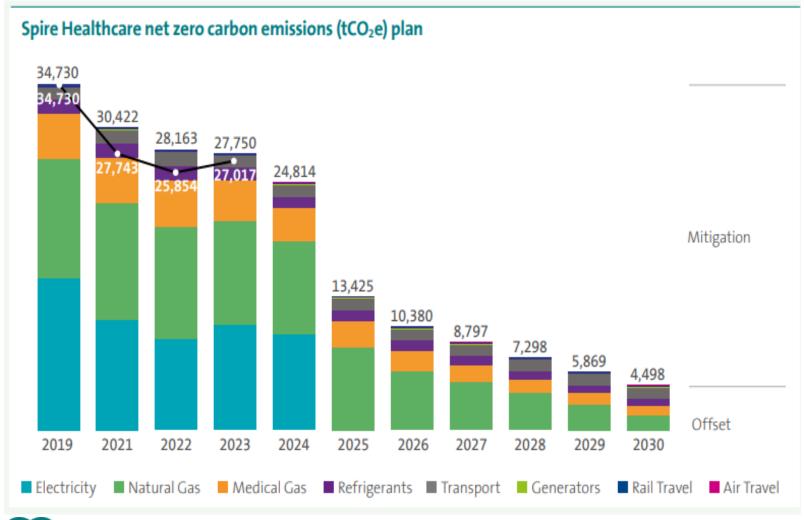






Looking after you.

Net Zero 2030



Our target is to be net zero for scope 1 and 2 by 2030

We remain on track to achieve target

We have seen our carbon intensity reduce from 35.1 tCO2e per £m revenue to 20.7 (2019 vs 2023)

Key initiatives:

- Establishment of Carbon Champions network
- LED lighting roll out / Desflurane to Sevoflurane / removal of piped nitrous oxide from all hospitals
- Investment in efficient plant and insulation
- Waste management



Looking after you.

Carbon Champions

Who

- Each hospital typically has two locally nominated members of staff, with a genuine interest in sustainability, including typically an engineering manager
- This community meet and network regularly facilitated by central team

Why

 Carbon Champions play an integral role in delivering Spire's 2030 net zero commitment, supporting hospital directors in their responsibilities for carbon management, including delivery of operational savings and initiatives in line with their carbon action plans

How

- Develop and deliver local carbon action plans. Be the local ambassador for net zero.
- Central funds are allocated to support the action plan initiatives, such as:
 - Window replacements, replacement of aging inefficient fans and pumps, installation/upgrade of thermal insulation and lagging.
- Some local initiatives have been rolled out across the business, such as:
 - monthly standby generator testing duration reduced, halving emissions





Solar PV and BMS roll out – Key focus in 2024





Wirral – Roof mount



Manchester



Wirral - Ground mount to redundant helipad

Fylde Coast



Hull

- Estate wide solar PV installs
 - Target is to have a scheme installed at each hospital by year end
 - Collectively will generate 4.8m KWH / yr
 - Key learnings:
 - Planning permission can take longer than expected with requests for additional studies (Glint and Glare, Bat, Environmental)
 - Reductions in scheme sizes can arise from detailed structural assessment
 - May encounter need for partial or full power down to enable system connection
- Modern BMS controls being rolled out across the estate in 2024
- Collective impact of solar and BMS will be c15% to 20% reduction in power demand



Future focus

- Degasification of estate
- Consideration of further fleet electrification
- Adoption of renewable electricity
- Continued focus on Carbon Champions and waste management
- Refined measurement of Scope 3 emissions and strategy development













The leading expert in insourcing



Over 80+ NHS Trusts

Through our partnership with over 80 NHS trusts across the country, we have spent a decade successfully lowering waiting lists across RTT, diagnostics and cancer pathways.



We are Clinically-Led

Our highly experienced clinical leadership team is responsible for all aspects of our service including clinical excellence, patient safety, governance and innovation.



Delivering Productivity

We bring innovative approaches, delivering maximum productivity to NHS hospitals. And by tariff-sharing with Trusts, we offer fair value to the NHS.

Our Results

For almost a decade, the NHS has partnered with 18 Week Support to reduce waiting times. We're incredibly proud of the work we do and would love to share some of our case studies with you.

10

YEARS OF EXPERIENCE

99.9%

PATIENT SATISFACTION RATE

123,678

PATIENTS SEEN LAST YEAR

80+

NHS TRUST

15

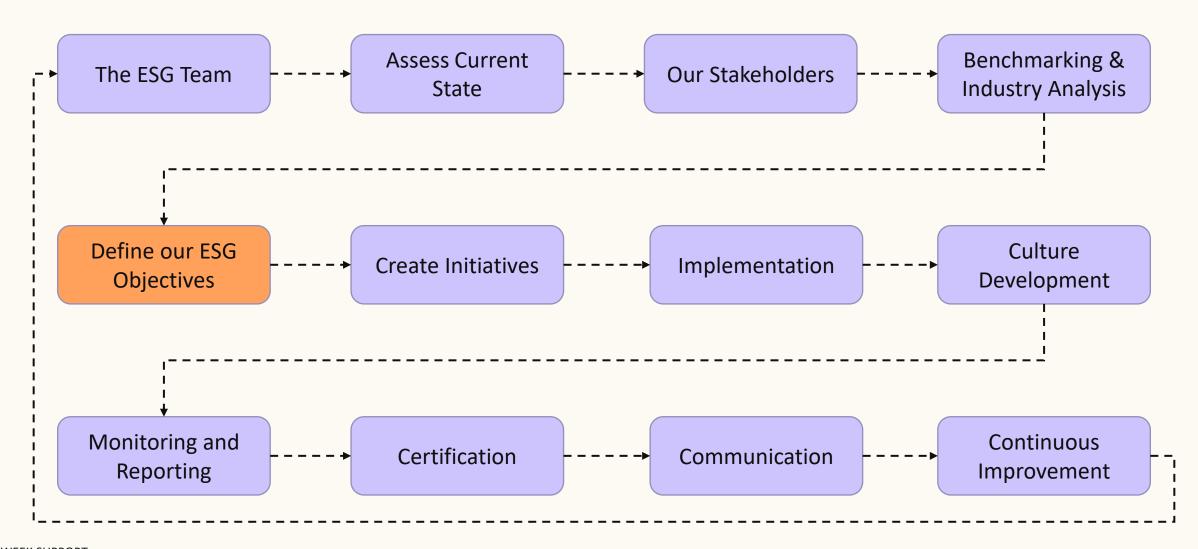
SPECIALTIES

100k+

PROCEDURES ANNUALLY

18 W S

An Ongoing Journey





Successes

- Green executive steering group.
- Green 18 sustainability champions
- Carbon Reduction Plan (CRP), Streamlined Energy & Carbon Report (SECR), & Global Reporting Initiative (GRI).
- Modern Slavery Assessment Tool.
- Policy Review & Revision.
- Carbon Reduction Initiatives.
- Streamlined Tender Processes.

Challenges

- Set off on not quite the right direction (GRI) & working with external consultants
- Energy Savings Opportunities Scheme (ESOS).
- Expanding training outside of dedicated FTEs.
- Understanding what 'good' looks like for the NHS Working with limited resources.
- Tender questions not always relevant to contract or service provider.
- Expanding offering beyond 'Fighting Climate Change'.
- Social Value will be 20% of Procurement

18 WEEK SUPPORT 58



The leading NHS insourcing expert.



Archetypes – Josh Edwards, IHPN



Aim and objectives

- We're looking to deepen our understanding of the separate challenges experienced by different parts of the sector.
- Beyond our current general approach to reducing carbon emissions, we would like to work with members to develop a number of different 'archetypes' – allowing us to tailor support to different parts of the sector through greater understanding of their discrete challenges, and those of their supply chains.
- To help shape this work, we've asked members to answer a short questionnaire to identify common themes across sub-sectors, open out discussion around supply chains and identify potential ways in which we can help to support.

Structure - what we asked

- 1. Please pick up to two (2) sectors that most reflect the majority of your work (Acute/Primary/Community/Diagnostic/Ophthalmology/Other)
- 2. If other please specify:
- 3. What are the top three challenges you're trying to overcome in moving towards net zero? (Free text)
- 4. What support do you need to help take those steps? (Free text)
- 5. What are the top three issues in your supply chain when moving to net zero? (Free text)

What we've heard

- Challenges around organisational buy-in, making it 'real' to workforce and securing behaviour change
- Information gathering
- Estates ownership members often lease property, hard to implement changes such as EV chargers
- Infrastructure for community staff
- Importance of economies of scale
- Waste
- Desire to:
 - Understand best practice, both nationally and locally
 - See government develop decarbonisation schemes, grants and subsidies
 - Keep up-to-date with NHS requirements
 - Collaborate with others

What we've heard – supply chain issues

- Risks around modern slavery
- Need confidence in assessing suppliers/help identifying suppliers who can provide sustainable products
- Assurance from sub-contractors
- Codes of conduct around supplier engagement
- Lack of resource to determine

Next steps

- Workshop discussion on 5th February
- Welcome further input do let me know via email

Coming soon

- In person workshop in London on Wednesday 5th February, 9:30am
 - 12:30pm
- Supported by Howden Insurance
- Keynote speakers alongside the chance to share best practice
- Hope it will be a highly practical session
- Link to <u>register</u>