



# Pioneering Sustainable Healthcare Webinar

Introducing the NHS Arden & GEM CSU's  
Net Zero Health and Care Pathway Tool





# AGENDA

| Time                |  | Speaker  |
|---------------------|--|--|
| 10:30 AM - 10:35 AM | Welcome and Opening Remarks - Introduction to the webinar's objectives and the importance of sustainability in healthcare.   | Dr. Olu Akinremi, NHS Arden & GEM CSU                |
| 10:35 AM - 10:50 AM | The NHS Net Zero Commitment, Its Impact, and Alignment with NHS Net Zero Objectives - Overview of the NHS's ambitious net zero goals, the critical role of carbon management in healthcare, and how it aligns with NHS Net Zero Objectives, Annual Reporting Requirements, and NHS Organisation's Sustainability Plans | Alison Tonge, Exec Director SIP, NHS Arden & GEM CSU |
| 10:50 AM - 11:05 AM | Introduction/Demo of the Net Zero Health and Care Pathway Tool - Detailed walkthrough of the tool's features and benefits, including its integration with sustainability initiatives.  | Dr. Olu Akinremi, NHS Arden & GEM CSU                |
| 11:05 AM - 11:20 AM | Care Pathway and Carbon Calculation: Real-world examples of how the tool has been used in various healthcare settings, showcasing its impact and potential.  | Keith Moore, SHC                                     |
| 11:20 AM - 11:35 AM | Enhancing Social Value Through Sustainability - Discussion on how the Net Zero Health and Care Pathway Tool can drive social value in healthcare, ensuring that sustainability efforts contribute to community wellbeing and equitable care  | Becky Jones, NHS Arden & GEM CSU                     |
| 11:35 AM - 11:40 AM | Becoming a Development Partner: Opportunities and Next Steps - Invitation to participants to join the next phase of the tool's development, including benefits of becoming a partner with tailored support options for NHS and public sector organisations.  | Dr. Olu Akinremi, NHS Arden & GEM CSU                |
| 11:40 AM - 11:55 AM | Q&A Session - Open floor for attendees to ask questions and engage with the speakers.  | Moderated by: Dr. Olu Akinremi, NHS Arden & GEM CSU  |
| 11:55 AM - 12:00 PM | Closing Remarks and Next Steps - Summary of key takeaways and information on how to access the prototype and further resources   | Alison Tonge, Exec Dir SIP, NHS Arden & GEM CSU      |



# An introduction to Arden & GEM



**1,000+**  
Multidisciplinary staff



**£105m**  
Forecast turnover 2022/23

**Diverse service portfolio with capabilities including:**

- Business intelligence and data
- IT and digital
- Healthcare consultancy
- Procurement
- Finance
- Human resources and organisational development
- Engagement, communications and marketing
- Clinical support



**Customer satisfaction:**  
Our current score remains at 4.2 out of 5

**Working with a customer base of 70+ organisations across health systems**

- NHS England
- Integrated Care Boards
- Providers/Provider Collaboratives
- Primary Care / PCNs



**National service coverage with 15 office locations throughout England**







# Pathway to a Net Zero NHS through Sustainability and Decarbonisation.

Innovating Sustainability through Strategic Partnerships









The NHS is committed to becoming the world's first net-zero national health service. Through strategic planning and implementation of decarbonisation initiatives, the NHS aims to improve environmental health outcomes while delivering high-quality healthcare.

## Key Actions

-  **Renewable Energy Use:** Transition to renewable energy sources across all NHS facilities.
-  **Sustainable Procurement:** Work with suppliers to ensure sustainable practices and reduce supply chain emissions.
-  **Green Transport:** Promote the use of electric vehicles and green travel options for NHS staff and services
-  **Waste Reduction:** Implement waste management strategies to minimise environmental impact.





# An Upward Trend in Reporting Obligations

With a focus on sustainability, the NHS is broadening its scope to include more organisations and activities. There is now a clear requirement to demonstrate tangible actions, not just plans, in achieving decarbonisation goals.



## 1 Streamlined Energy and Carbon Reporting (SECR) Objective:

Align with NHS goals for transparency in energy use and carbon footprint reduction.

**SCOPE:** Mandatory for NHS trusts and large healthcare providers.

**REQUIREMENTS:** Annual reporting of energy use, carbon emissions, and energy efficiency initiatives. Integration of sustainability goals into financial reports to ensure accountability.

## 2 Energy Saving Opportunity Scheme (ESOS) Objective:

Enhance energy efficiency across NHS facilities

**SCOPE:** Mandatory for large NHS organisations and facilities with more than 250 employees or over £50 million in revenue.

**REQUIREMENTS:** Comprehensive energy audits every four years to identify energy-saving opportunities. Implementation of energy efficiency measures to achieve NHS carbon reduction targets by the next deadline in December 2024.

## 3 Climate-Related Financial Disclosures (TCFD) Objective:

Support the NHS in developing a robust framework for climate-related financial disclosures.

**SCOPE:** Encouraged for all NHS entities as a best practice for financial transparency related to climate impacts.

**REQUIREMENTS:** Adoption of TCFD-aligned disclosure practices to anticipate mandatory compliance by 2025. Inclusion of climate risks and opportunities in financial planning and reporting.

## 4 Carbon Reduction Plan (CRP) Objective:

Achieve NHS targets for reducing carbon emissions across supply chains.

**SCOPE:** Mandatory for suppliers to the NHS providing contracts over £5 million per year.

**REQUIREMENTS:** Reporting and reduction of scope 1 and 2 emissions, with plans to address scope 3 emissions. Implementation of carbon reduction strategies to meet NHS sustainability standards.



# NHS Net Zero & Scope 3 Emissions

Scope 3 emissions are 11x higher than Scope 1 and Scope 2 combined, accounting for 60 - 80% of the NHS's carbon footprint.





Decarbonisation efforts within the NHS are set to accelerate, with leading NHS organisations already advancing toward Net Zero targets.



**2040** **UK**

The NHS is committed to achieving Net Zero for direct emissions by 2040, and for its entire supply chain by 2045, requiring comprehensive strategies for reducing emissions across estates, procurement, and clinical care

## SCOPE 4

Progressive NHS organisations can gain a strategic advantage by reporting on Scope 4 'avoided emissions,' focusing on emissions reductions across supply chains, clinical operations, and infrastructure, aligning with the NHS Net Zero plan to drive long-term sustainability and operational efficiency.

# Ensuring Accurate Carbon Reporting: A Critical Challenge for the NHS

The NHS is committed to achieving its net-zero carbon targets. However, inaccurate or misleading carbon reporting can undermine our progress and lead to serious consequences for NHS Trusts, Integrated Care Systems (ICSs), and the wider health system.



## Key Risks Include:

- Financial penalties: Non-compliance with carbon reporting standards could result in fines and loss of funding.
- Reputational harm (greenwashing): Inaccurate reporting can damage public trust and undermine the credibility of our sustainability efforts, including accusations of greenwashing.
- Reduced investor confidence: Misreporting may discourage essential partnerships and funding opportunities needed to support sustainability initiatives.
- Lost opportunities for innovation: Failing to meet decarbonisation goals could prevent us from accessing new technologies and practices that improve patient care and sustainability.
- Impact on workforce morale and retention: A transparent commitment to sustainability is increasingly important to staff. Greenwashing or slow progress may result in decreased staff engagement, affecting recruitment and retention.

By ensuring accuracy in carbon reporting, we can safeguard our financial health, uphold our reputation, and continue leading the way in delivering high-quality, sustainable healthcare for future generations.



# NHS Organisations Face Key Challenges in Decarbonisation, Carbon Accounting, and Reporting

NHS leaders have identified significant barriers to meeting decarbonisation targets:



## INSIGHTS FOR NHS DECARBONISATION REPORTING

### ■ Time and Resource Pressures

“Decarbonisation and carbon reporting tasks are absorbing extensive time and resources, impacting service delivery.”

### ■ Lack of In-House Expertise

“We lack the internal skills and expertise necessary to lead sustainability initiatives effectively. Estates and facilities teams are struggling with the complexities of carbon reporting.” (Source: NHS England, "Delivering a Net Zero National Health Service," 2020)

### ■ Inconsistent Data

“Our Trust’s carbon data is often inconsistent and inaccurate, making it difficult to report reliably.” (Source: NHS Green Plan Guidance, 2021)

### Aligning with NHS Net Zero Commitments:

The NHS must address these challenges to ensure it can meet the 2040 Net Zero target. Prioritising investment in skills development, improving data accuracy, and allocating sufficient resources will enable more effective carbon reporting and sustainability initiatives across NHS Trusts.

**1  
Month+**

The average time spent by NHS Trusts on administrative tasks related to carbon reporting, pulling key staff away from frontline services. (Source: Public Accounts Committee, 2021)

**Nearly  
50%**

Half of NHS decision-makers report that their Trusts lack the skills needed for accurate carbon and sustainability reporting. (Source: NHS Sustainability and Efficiency Programme, 2023)

**40%**

Approximately 40% of NHS organisations struggle to gather accurate carbon data, hampering decarbonisation efforts. (Source: Greener NHS, 2023)

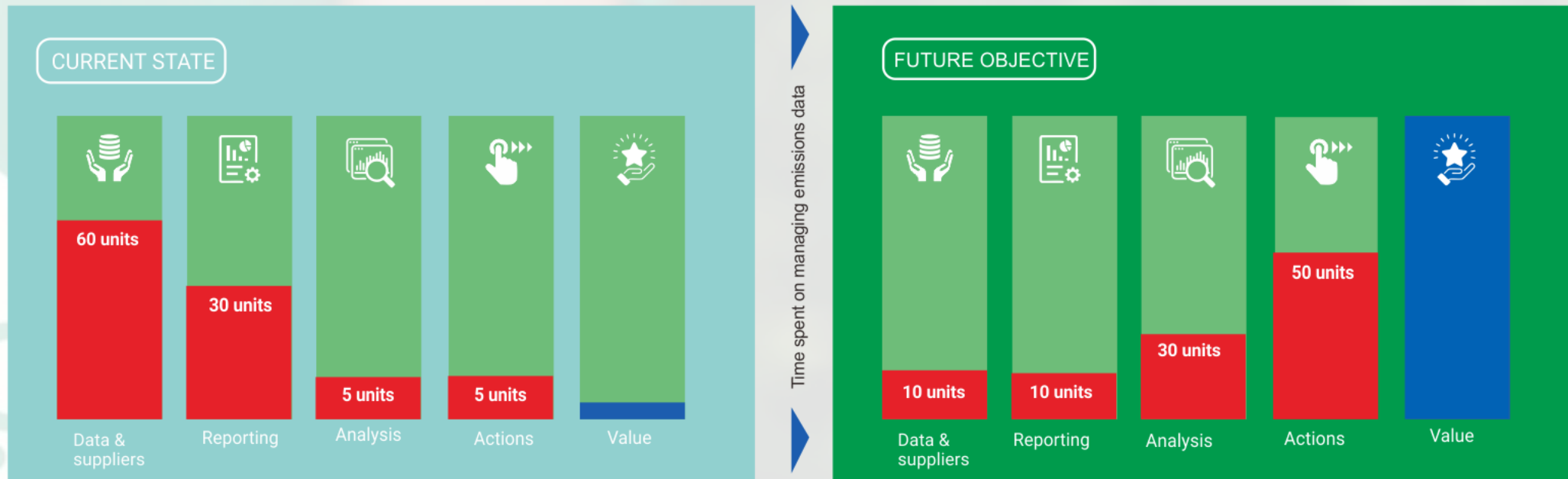
# Data management and reporting are consuming valuable time that could be redirected towards reducing carbon emissions in the NHS



'Gathering emissions data'



Developing carbon reduction strategies and implementing sustainable practices'



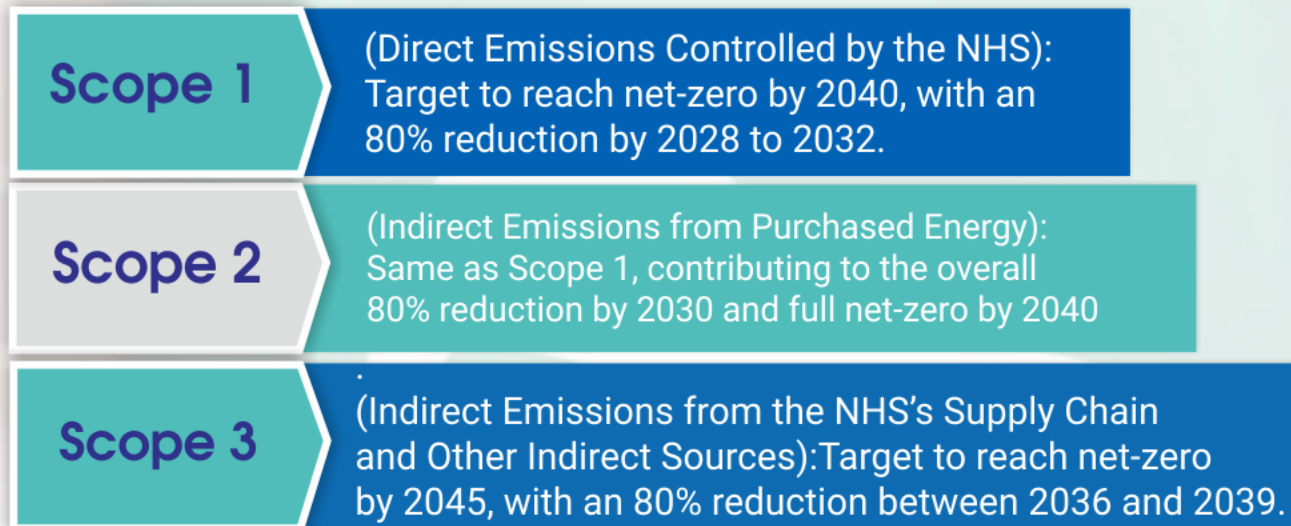
This framework highlights the need to shift the focus from merely managing emissions data to taking proactive steps in implementing carbon reduction strategies. By optimising resources, the NHS can accelerate its progress toward net-zero targets, reduce operational inefficiencies, and deliver on its sustainability agenda.



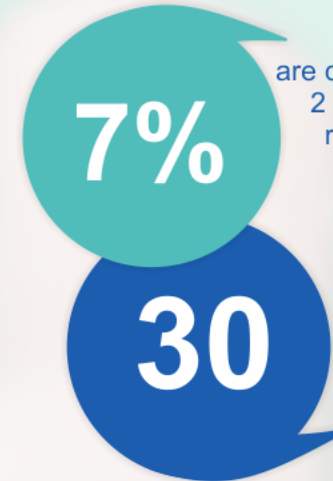


## If your NHS Trust is finding it challenging to meet its decarbonisation commitments, you're not alone.

The NHS has set ambitious targets for achieving net-zero carbon emissions, but the path is complex. On average, NHS organisations are working towards these goals with the following timelines:



The NHS's journey to net-zero is both a legal obligation and an operational challenge, but by adhering to its long-term objectives and making incremental progress, healthcare organisations can play a pivotal role in the UK's overall decarbonisation efforts



Only a small percentage of organisations are currently on track to meet their Scope 1 and 2 net-zero targets, a challenge that is equally relevant to NHS Trusts as it is to the broader healthcare and corporate sectors.  
**Source: FT**

More than 30 organisations across various sectors, including healthcare, have faced penalties for failing to meet climate regulations, such as under-reporting emissions and non-compliance with mandatory energy audits. The NHS must continue its focus on energy use, waste management, and supply chain emissions to avoid similar compliance risks.  
**Source: gov.uk 2022**



# NHS Decarbonisation: A Strategic Advantage

**Cost Efficiency:**

**5-10%**



reduction in operational costs through renewable energy and efficiency improvements, saving over £10 million annually(NHS Procurement), (NHS England).



**Improved Outcomes:**

**10-20%**



increase in operational efficiency, enabling faster service delivery and improved patient care(NHS England).


**Capital Access:**



| Country | green | green | green | emission |
|---------|-------|-------|-------|----------|
| UK      | 2.5   | 2.6   | 2.7   | 2.8      |
| US      | 2.1   | 2.2   | 2.3   | 2.4      |

**Talent Attraction:**

**84%**



Sustainability boosts staff engagement and retention, with 98% of employees supporting greener initiatives (NHS England).

**Green initiatives** unlock funding and investment opportunities, such as the Public Sector Decarbonisation Scheme (Open Access Government), (NHS England).





**Sustainable  
Healthcare  
Coalition**

# Care Pathway and Carbon Calculation: Real-world examples

Keith Moore

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NHS Arden & GEM CSU Net Zero Webinar | 19<sup>th</sup> Sept 2024

# Who we are

Founded by the then NHS England SDU in 2011, we are a partnership of healthcare companies and other health agencies drawn together to address some of the most pressing sustainability issues in global healthcare.

Our purpose is to facilitate the journey towards good health and wellbeing on a finite planet, through open-minded collaboration across public and private healthcare.



Our core group draws in participation from other health system players including trade bodies, state healthcare providers, public health institutions and international agencies.





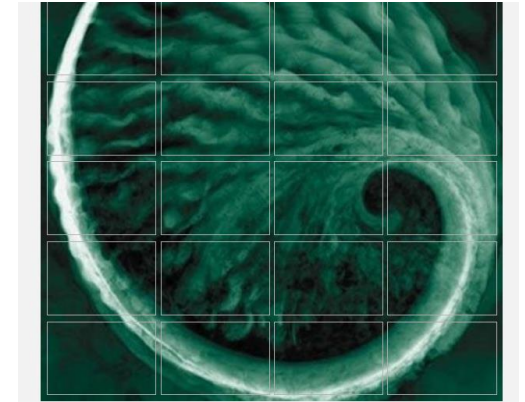
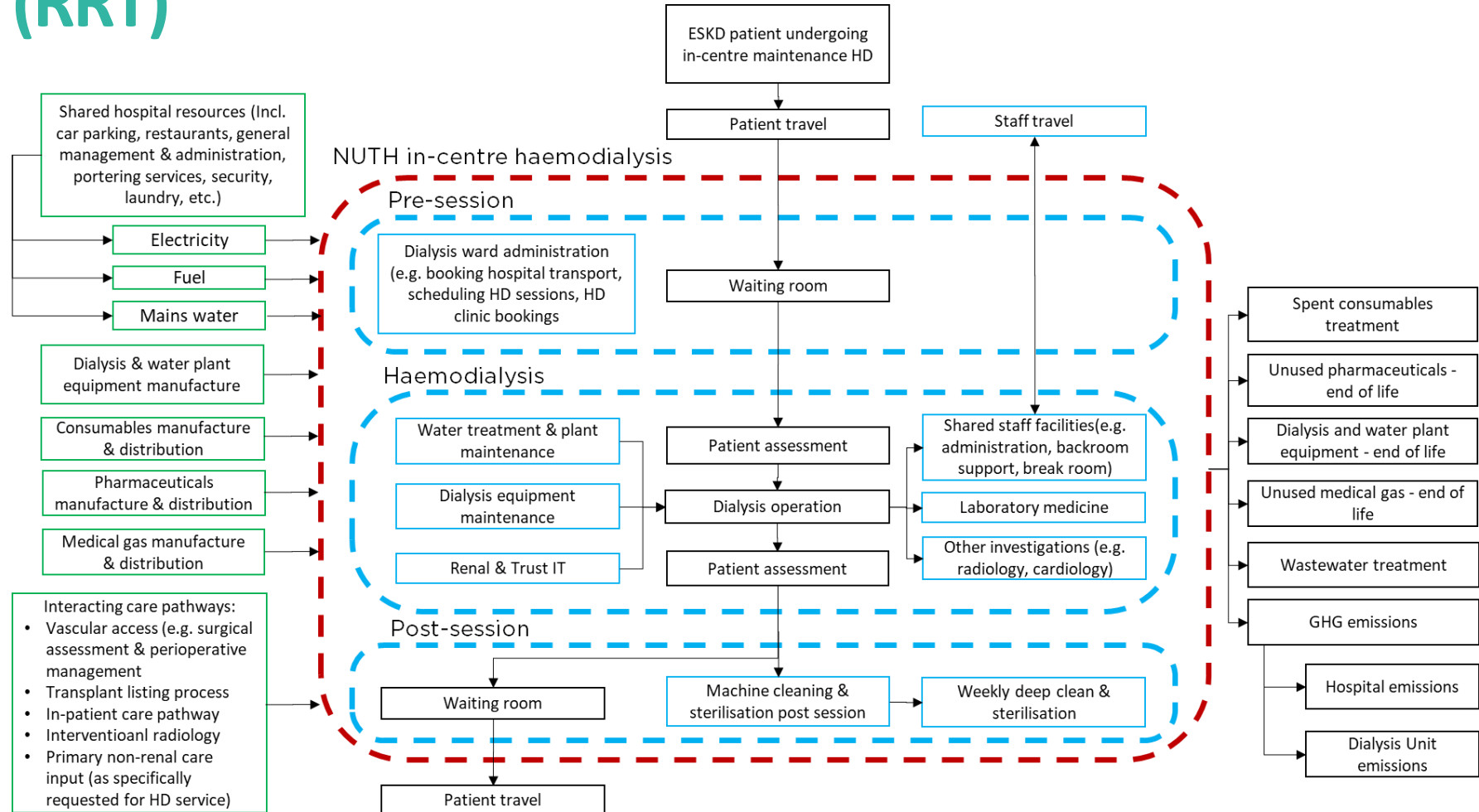
# Measuring Up Through Collaboration

- World's-first guidance on how to measure the **carbon footprint of pharmaceuticals and medical devices** and the environmental impacts of **whole care pathways**: <https://shcoalition.org/sustainable-care-pathways/>
- Producing learning from **case studies**.
- A bespoke eco-design tool to investigate the **carbon footprint of clinical trials** and enable low carbon choices.



# The impact of ICHD renal replacement therapy (RRT)

(RRT)



The business of sustainability



The Newcastle upon Tyne Hospitals

NHS Foundation Trust

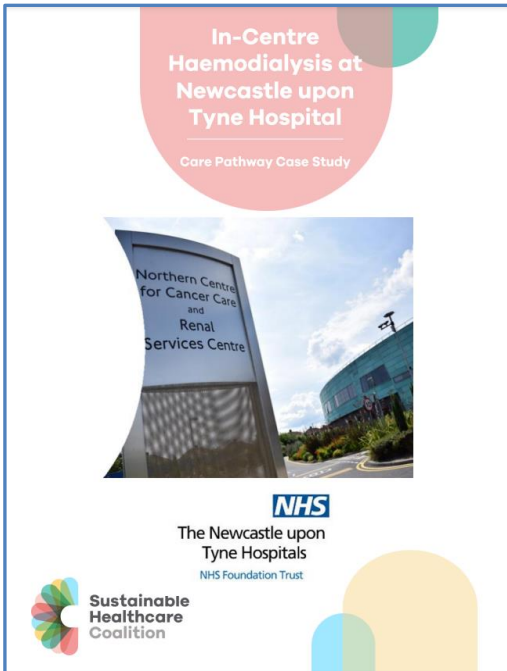




# The impact of ICHD renal replacement therapy (RRT)



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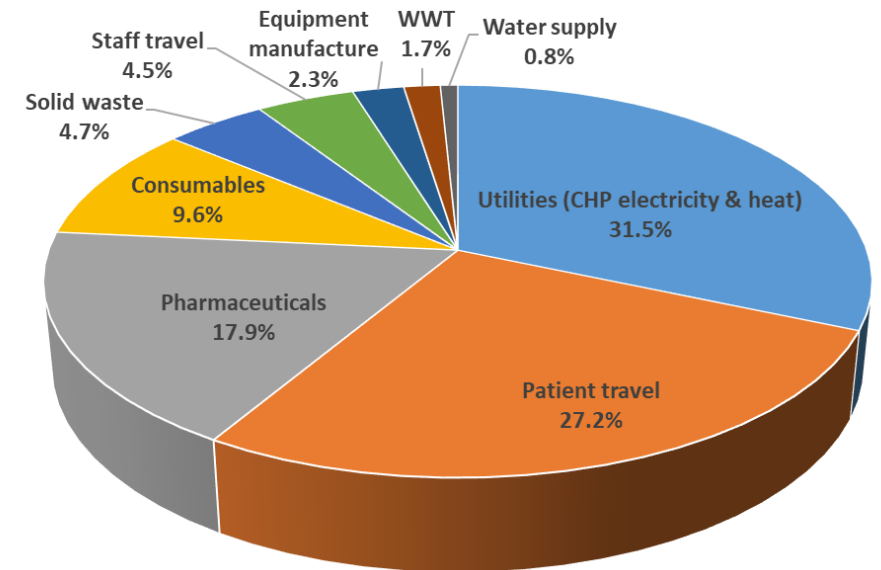


21.7 kg CO<sub>2</sub>e per patient session at NUTH

3.4 tonnes CO<sub>2</sub>e per patient per year

*Note: the average global citizen footprint is 8.4 tonnes CO<sub>2</sub>e per year*

Global ~ 10.2 Million Tonnes CO<sub>2</sub>e & 18.3 Million Tonnes CO<sub>2</sub>e by 2030

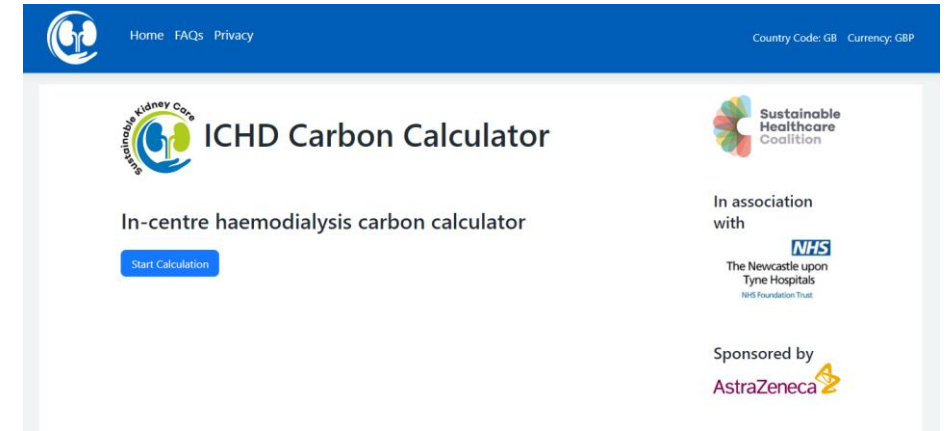
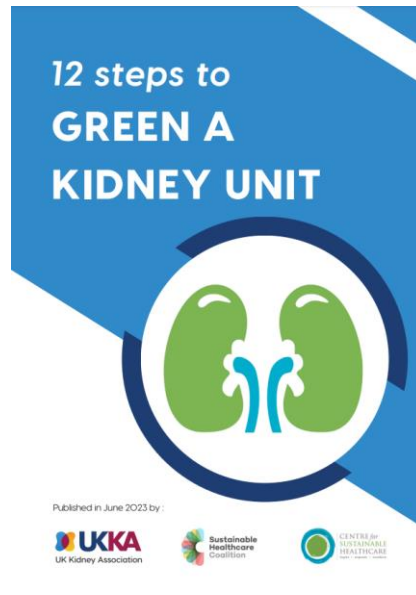
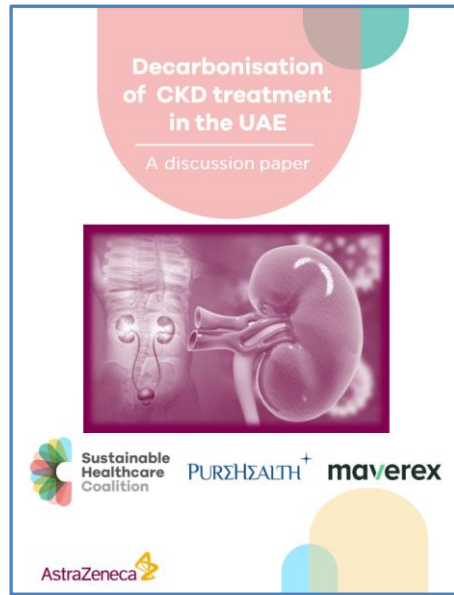
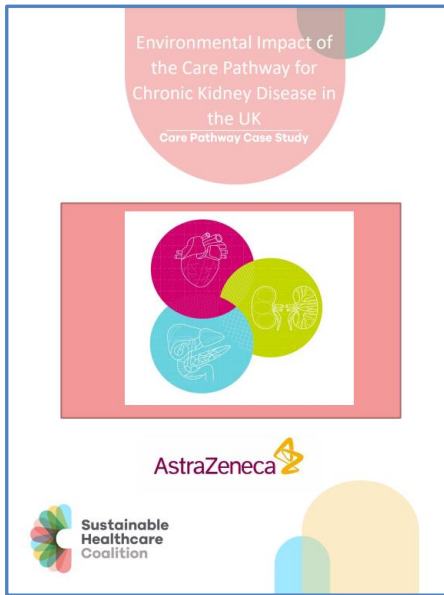


<https://shcoalition.org/in-centre-haemodialysis-at-newcastle-upon-tyne-hospital/>



# So what?

- Providing insight for sustainable kidney care efforts



<https://ichdcarbon.org/>



<https://shcoalition.org/environmental-impact-of-the-care-pathway-for-chronic-kidney-disease-in-the-uk/>

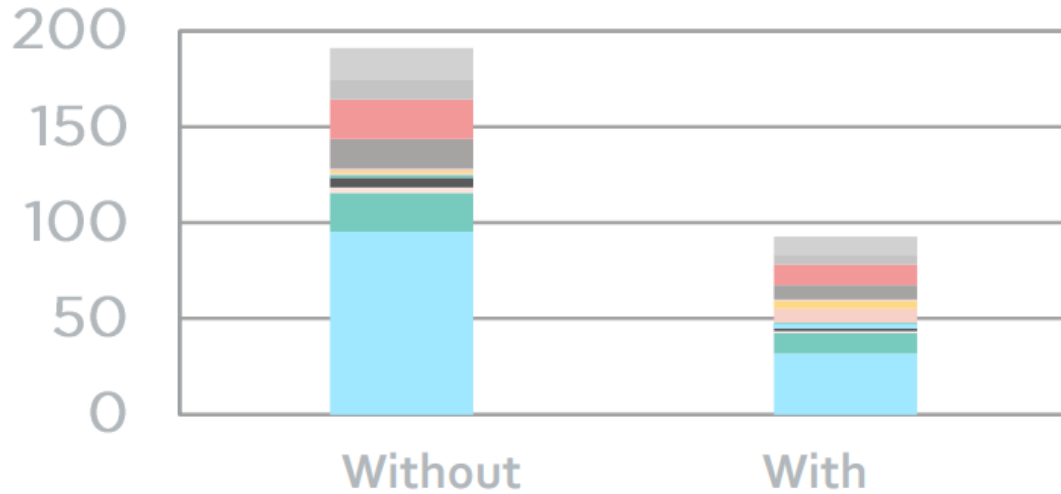
<https://networks.sustainablehealthcare.org.uk/resources/12-steps-green-kidney-unit>



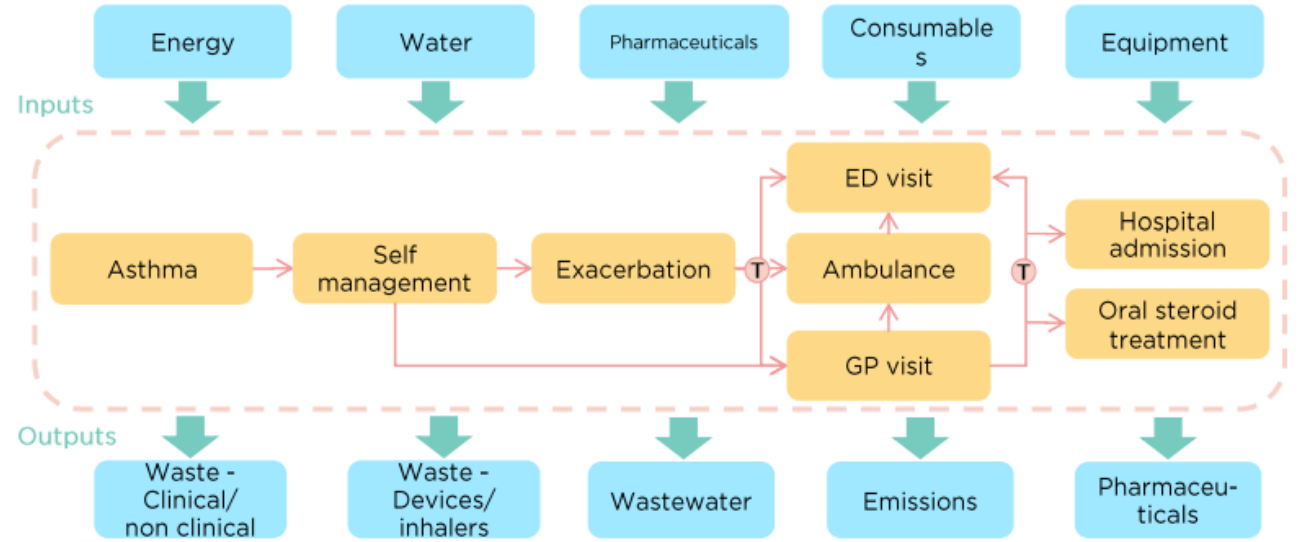


# Respiratory MAb

GHG emissions (kg CO2-eq/year)



- Long term effects from Oral Steroid usage
- Hospital admissions Inpatient episodes
- Patient travel to hospital
- GP consultations planned
- Benralizumab supply and administration
- Self management oral steroids
- Self management long acting inhalers
- A & E Vists
- Hospital admission: inpatient episodes
- Patient travel to GP
- GP consultations unplanned
- Self management patient travel
- Self management short acting inhalers

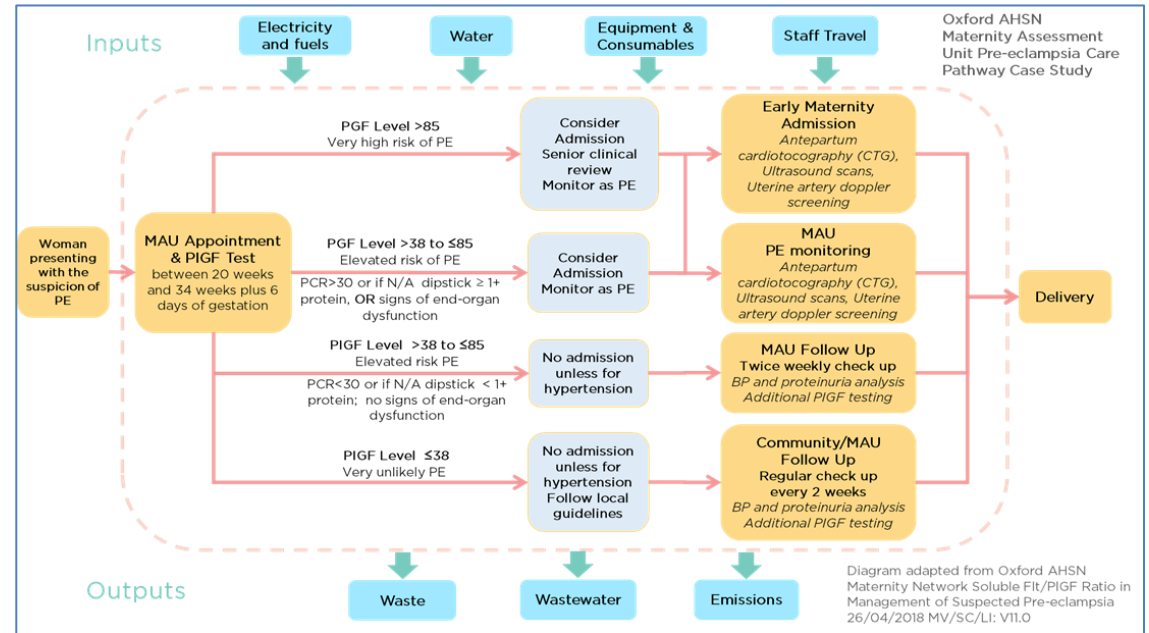
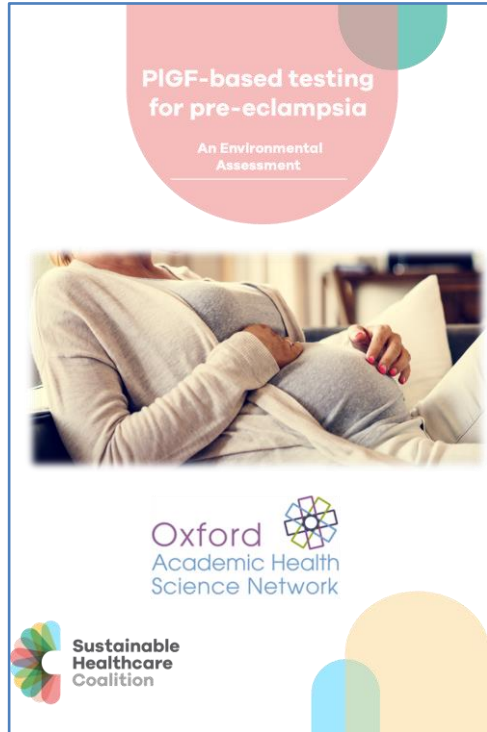


Care pathway for Monoclonal Antibody Therapy of Severe Eosinophilic Asthma  
Care Pathway Case Study

AstraZeneca

Sustainable Healthcare Coalition

# Diagnostic case study



## Results

| Activity Name                                   | Number of occurrences avoided | GHG intensity (kg CO <sub>2</sub> eq/Activity) | GHG emissions avoided (kg CO <sub>2</sub> eq) | Contribution to total saving (%) |
|---|-------------------------------|--|---|----------------------------------|
| Patient self travel to elective care            | 4,632                         | 2.9  | 13,433  | 38%                              |
| Low-intensity bed day                           | 579                           | 37.9   | 21,944  | 62%                              |
| Blood tests administered                        | 920                           | 0.116  | 107   | 0%                               |
| <b>Total</b>                                    |                               |  | <b>35,484</b>                                 | <b>100%</b>                      |
| Savings per avoided admission                   |                               |  | 91.65   |                                  |
| Extrapolation to NHS England patient population |                               |  | 1,149,000                                     |                                  |

Taking collective action to deliver low carbon, equitable maternity care

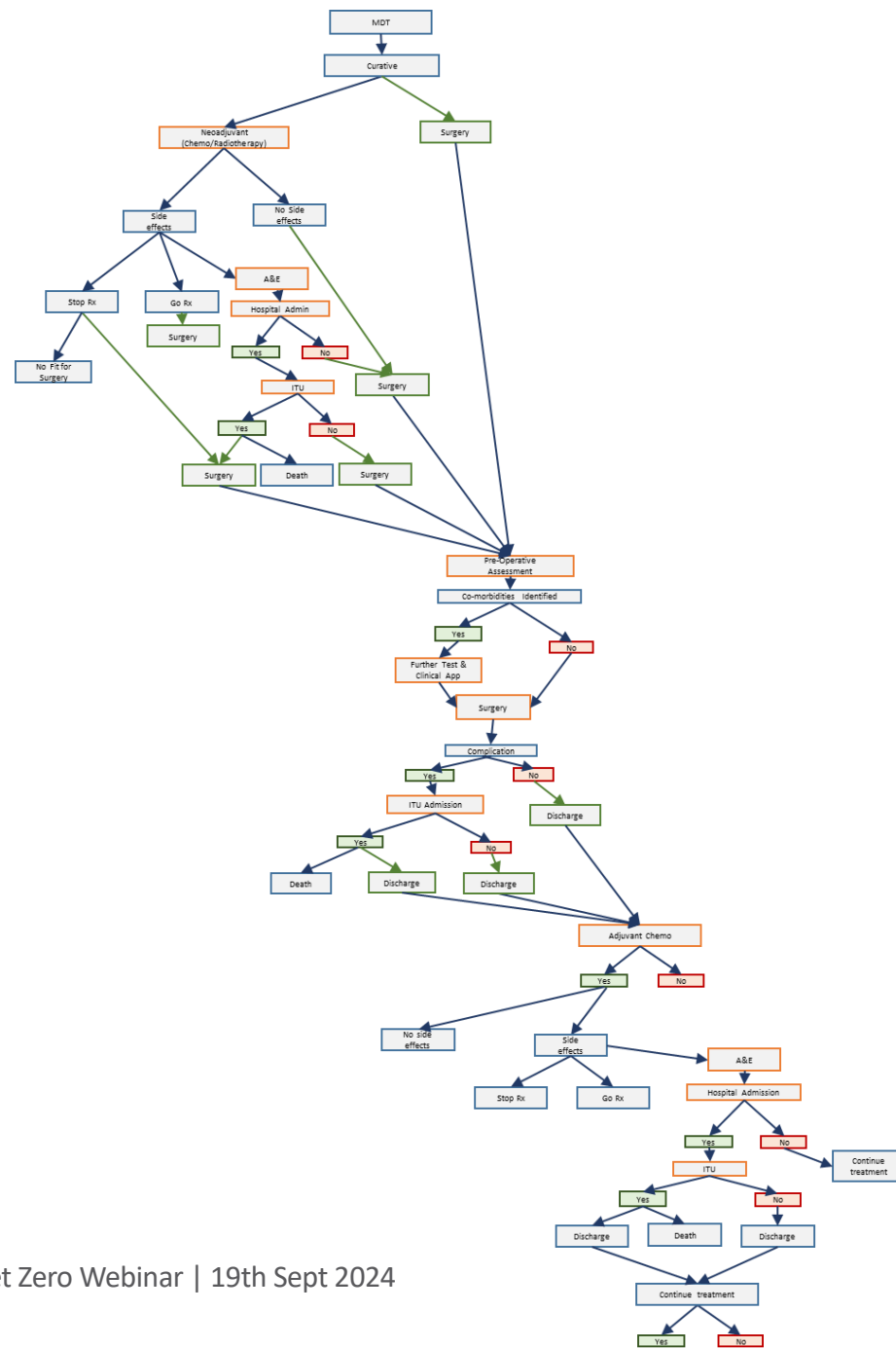
Wednesday, 17 April, 2024

<https://shcoalition.org/environmental-impact-of-plgf-based-testing-for-pre-eclampsia-2/>

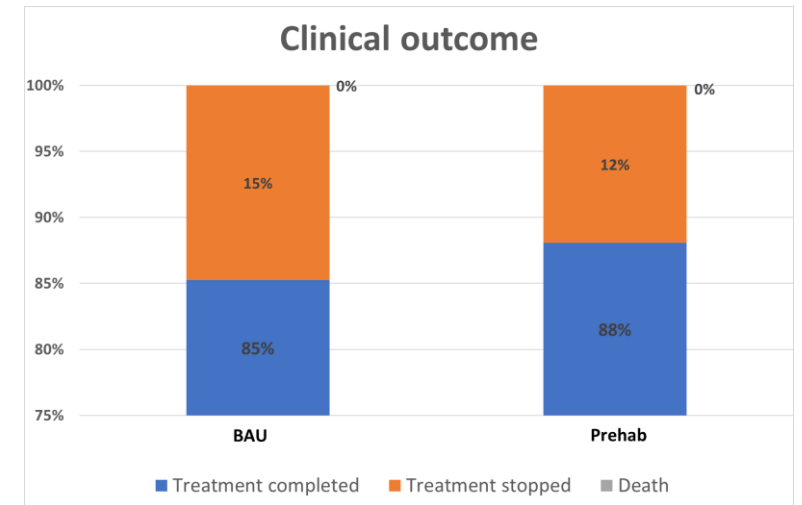
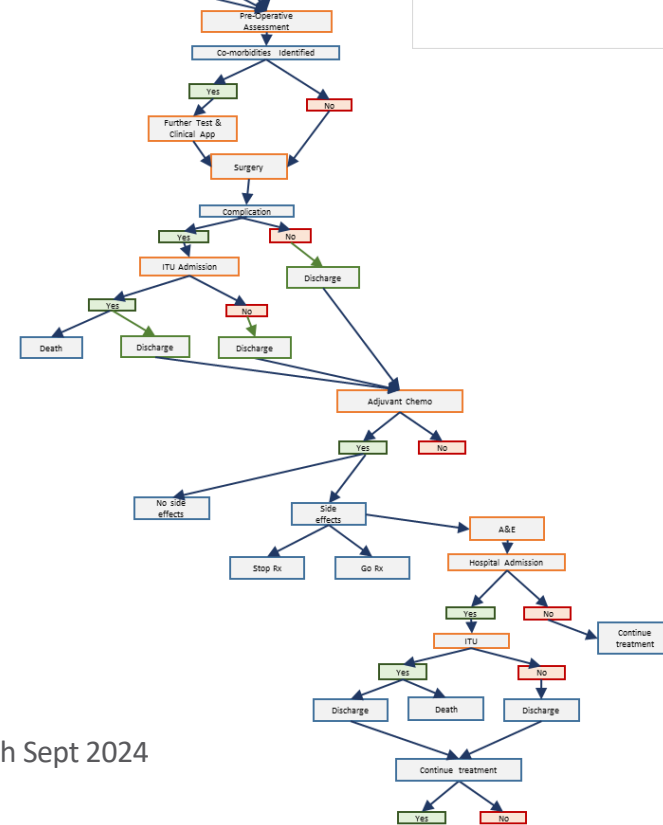
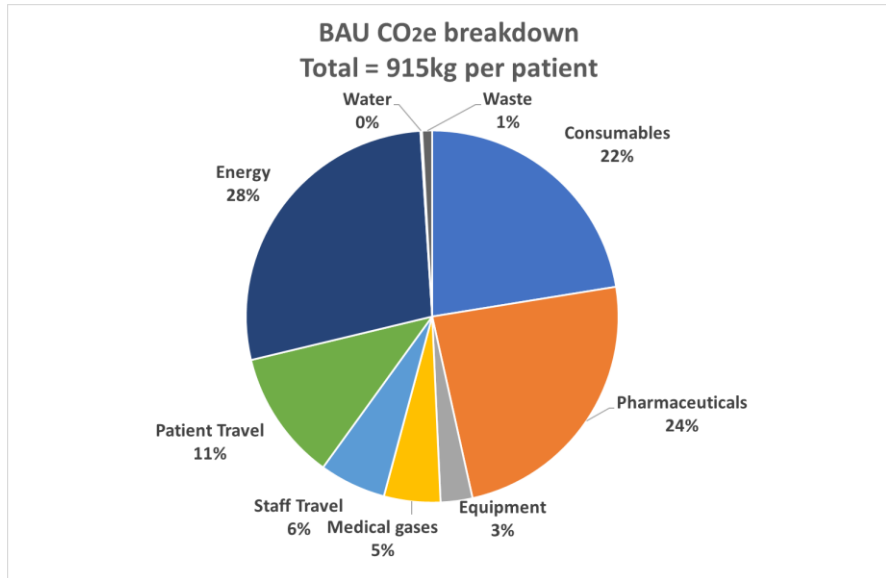
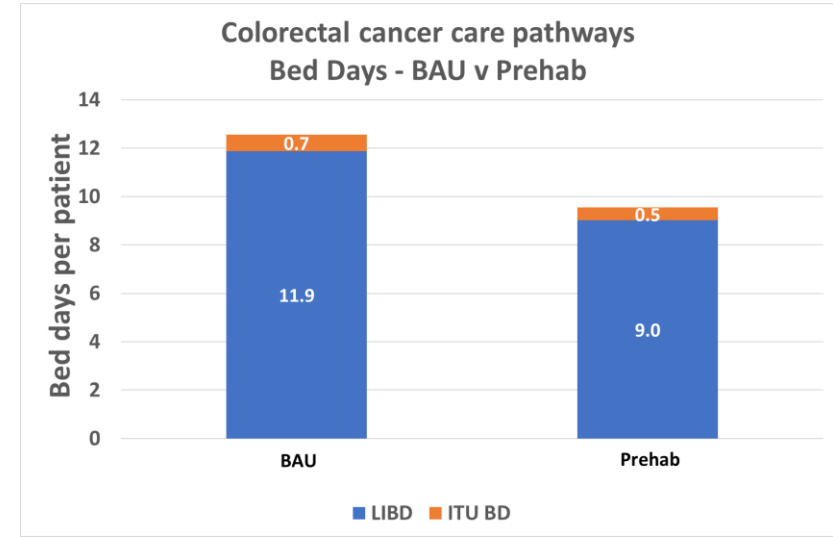
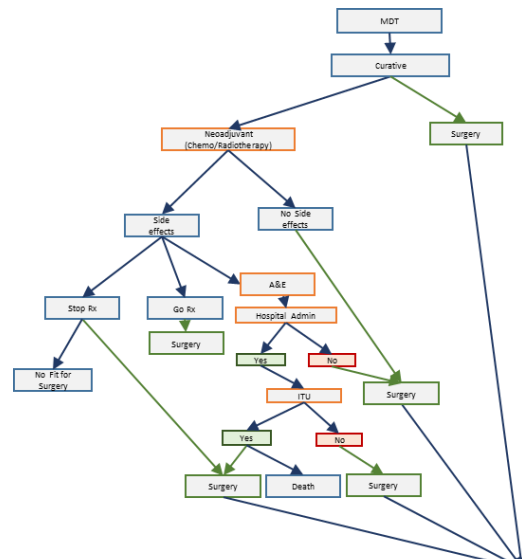




# Green surgery



# Green surgery





# Say hello...

We are always open to conversations and engagement with like-minded organisations we can collaborate with on common agendas.

Dr Fiona Adshead, Chair  
Fiona@shcoalition.org  
07850 515 759

Keith Moore, Programme Coordinator  
Keith@shcoalition.org  
07584 162 437





**Enhancing Social Value Through Sustainability - Discussion on how the Net Zero Health and Care Pathway Tool can drive social value in healthcare, ensuring that sustainability efforts contribute to community wellbeing and equitable care.**

**Becky Jones,  
NHS Arden and GEM**



# What is sustainability?

The most often quoted definition comes from the UN World Commission on Environment and Development: “sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

Sustainable practices support ecological, human, and economic health and vitality.

Sustainability presumes that resources are finite, and should be used conservatively and wisely with a view to long-term priorities and consequences of the ways in which resources are used.

In simplest terms, sustainability is about our children and our grandchildren, and the world we will leave them.

This includes public services – if we keep consuming them the way they are, they will collapse – indeed, they are already doing so!





# Climate change is real!



# What does this look like?

Average temperature in UK has already risen by 1.2°C and will go on rising. This means:

- Hotter summers: 40°C ‘the new normal’
- More heatwaves: 50% chance of a heatwave each year
- Hotter hot days: heatwaves likely to push temperatures up to 45°C or more
- Risk to health: more excess deaths due to the changing temperatures



# This is nothing new!



Eunice Foote, 1856





# Sustainability in the NHS?

## National ambition

***Our Vision: To deliver the world's first net zero health service and respond to climate change, improving health now and for future generations.***

The NHS was founded to provide high-quality care for all, now, and for future generations. Understanding that climate change and human health are inextricably linked, in October 2020, it became the first in the world to commit to delivering a net zero national health system. This means improving healthcare while reducing harmful carbon emissions, and investing in efforts that remove greenhouse gases from the atmosphere.

With around 4% of the country's carbon emissions, and over 7% of the economy, the NHS has an essential role to play in meeting the net zero targets set under the Climate Change Act (Delivering a 'Net Zero' National Health Service).

Two clear and feasible targets are outlined in the [Delivering a 'Net Zero' National Health Service](#) report:

- The NHS Carbon Footprint: for the emissions we control directly, net zero by 2040
- The NHS Carbon Footprint Plus: for the emissions we can influence, net zero by 2045.

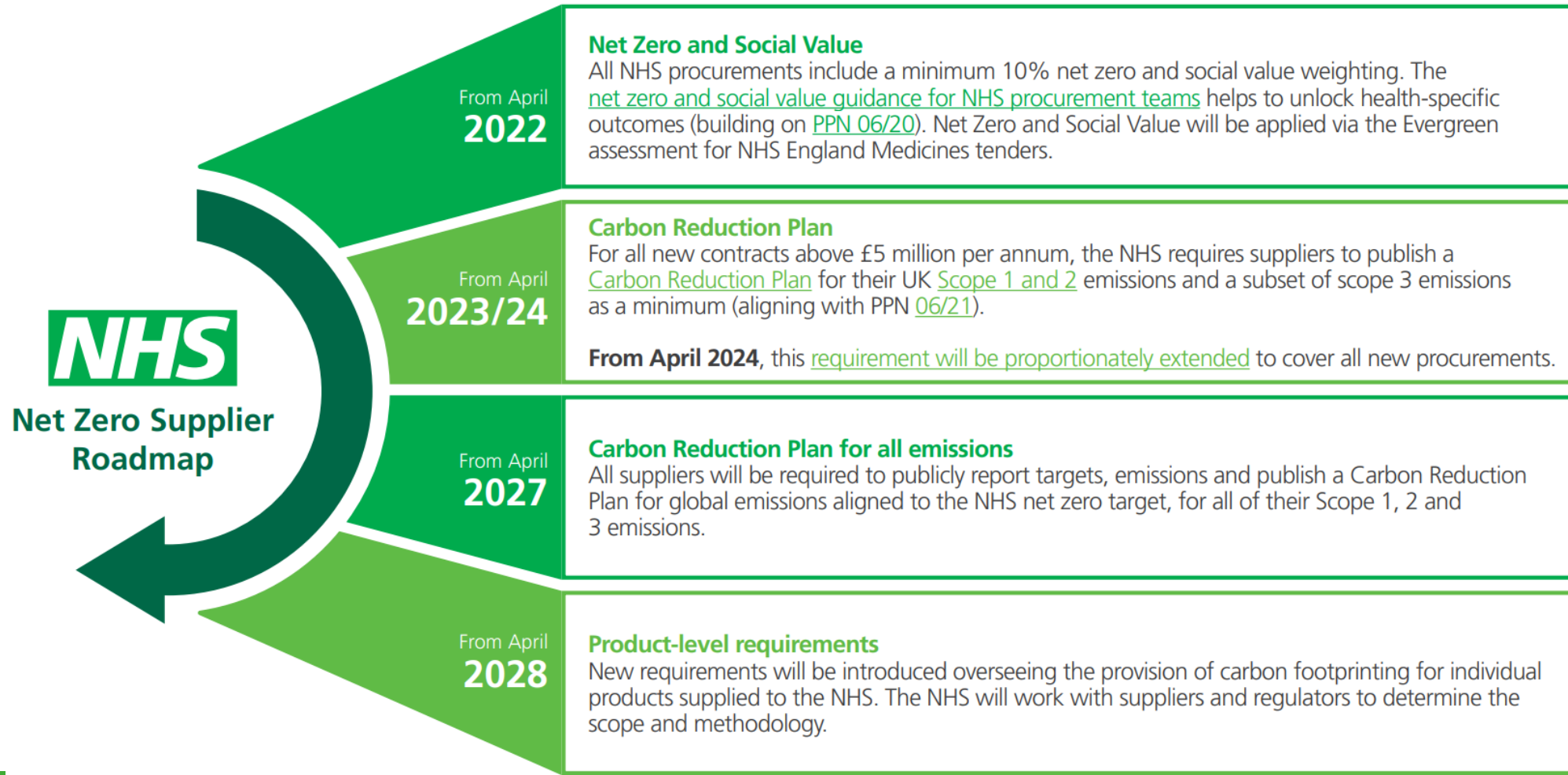
## Sustainability in the NHS?

Led by Dr Nick Watts, the NHS's first Chief Sustainability Officer, together with Acting Chief Sustainability Officer, Chris Gormley, the Greener NHS National Programme exists to drive this transformation while delivering against our broader environmental health priorities. Laid out in the [NHS Long Term Plan](#), these extended sustainability commitments range from reducing single-use plastics and water consumption, through to improving air quality.

On 1 July 2022, the NHS in England became the first health system to embed net zero into legislation, through the Health and Care Act 2022. The [Delivering a Net Zero National Health Service report](#) is now issued as statutory guidance.



# Sustainability and social value in the NHS?





# What is social value?



There is no one single definition of social value

- The 2030 Agenda for Sustainable Development provides a shared blueprint for peace and prosperity for people and the planet.
- At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries.
- They recognise that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.
- This set the conversation through which the social value concept was developed.
- It's important to understand your outcomes for social value, and what you're going to do to achieve them.

# What is social value?

“...the **positive change you create in the local communities within which you operate**”

“...the **quantification of the relative importance** that people place on the changes they experience in their lives”

“... **added value** – the additionality of the service or contract”

Social value is defined through the Public Services (Social Value) Act (2012) which requires all public sector organisations and their suppliers to look beyond the financial cost of a contract to consider how the services they commission and procure can improve the economic, social and environmental wellbeing of an area

# Why is social value so important in the NHS?

- 🌹 **Public Services (Social Value) Act 2012**
- 🌹 It's part of delivering the all pillars, but particularly the **fourth pillar** of the ICS: "...help the NHS support broader social and economic development"
- 🌹 It supports the 10% focus on prevention as in the **Hewitt Review**
- 🌹 There's a requirement to include a minimum of 10% in procurement, through **PPN 06/20**, and that needs proper leadership to ensure it's embedded throughout the process
- 🌹 There's also **PPN 06/21**, requiring a **carbon reduction plan** in procurement
- 🌹 Requirements to include social and economic development planning in **the Joint Forward Plan**
- 🌹 Needs **visible leadership** to ensure organisation buy-in
- 🌹 It can help deal with some of the most **pressing issues** – poverty, inadequate housing, collapsing public services.



# NHS England and social value - procurement

- **PPN 06/20**
- Places social value in procurement – at the end of a process
- Makes it a transactional approach
- Makes it a tick box exercise
- Means it's hard to design things at a system level as LAs and the VCFSE sector define it differently
  
- **PPN 06/21**
- Doesn't include primary care
- Again, focuses on procurement – end of the process
- Places a focus on carbon
- Unequal playing field

**This is why a system approach is so important!**

# How can social value contribute

As well as providing health services, the NHS can use its resources and influence to maximise its **social, economic and environmental** impacts (social value) to **improve the social determinants of health, health outcomes and reduce health inequalities.**

Our strategic impact is much wider

- **Widening access to quality work:** Being a good employer, paying people the real living wage and creating opportunities for local communities to develop skills and access jobs in health and care.
- **Purchasing for social benefit:** Purchasing supplies and services from organisations which consider their environmental, social and economic impacts
- **Using buildings and spaces to support communities:** Widening access to community spaces, working with partners to support high-quality, affordable housing and supporting the local economy.
- **Reducing its environmental impact:** Taking action to reduce carbon emissions, consumption and reduce waste and protect and enhance the natural environment.
- **Working closely with local partners:** Collaborating with communities to help address local priorities and build on their energy and skills; and work with other anchors and partners to increase and scale impact.

# How can we help you to deliver your social value and sustainability requirements?

## The programme at a glance



### Social Value in Health Bronze *'Springboard'*

- ✓ Bronze SVQM® Health accreditation\*
- ✓ Dedicated contact
- ✓ 10 hours of guided consultancy
- ✓ E-learning modules
- ✓ 1 year's membership NHS Arden & GEM Social Value Network

Save over 60%

\*subject to meeting accreditation requirements



### Social Value in Health Silver *'Excellence'*

- ✓ Silver SVQM® Health accreditation\*
- ✓ Dedicated contact
- ✓ 15 hours of guided consultancy
- ✓ Social Value TOM System™ - tailored measurement project
- ✓ Annual Social Value report
- ✓ E-learning modules
- ✓ 1 year's membership NHS Arden & GEM Social Value Network

Save over 40%

\*subject to meeting accreditation requirements



### Social Value in Health Bronze + Silver *'Excellence Plus'*

- ✓ Bronze & Silver SVQM® Health accreditation\*
- ✓ Dedicated contact
- ✓ 20 hours of guided consultancy
- ✓ Social Value TOM System™ - tailored measurement project
- ✓ Annual Social Value report
- ✓ E-learning modules
- ✓ 1 year's membership NHS Arden & GEM Social Value Network

Save over 45%

\*subject to meeting accreditation requirements



## Our Social Value in Health Excellence Programme

We also offer standalone consultancy, Green Plan support, carbon reduction plan assessing, e-learning, Olu's pathway tool – and much more! We can provide a bespoke approach for you.



Home My Dashboard My Workspaces Search

Social Value Network

## Social Value Network



Create a new item

### Welcome to the Social Value Network!

We are supporting organisations across the country to determine what social value means to them and then helping them to achieve that vision.

To us, social value encompasses everything. It is included in culture, values, behaviours, leadership, purchasing and selling. It encompasses environmental, social and economic elements but, most importantly, we view it as activities to make things better for our colleagues and local communities.


We can help you to determine what it means to you through becoming a part of our membership programme.


Get in touch

**REMINDER\***: Our upcoming webinar is taking place on Thursday 23 Novemb


Welcome new members, we're working on some really exciting initiatives with the SVN which we'll share with you in the upcoming months. Please do get in touch with us to see how we can spread social value!




← 1 of 30 →



About us



Our membership



Free resources

# Join our workspace

<https://future.nhs.uk/SocialValueNetwork>

And connect with over 350 like-minded people

**NHS**  
 Arden and  
 Greater East Midlands  
 Commissioning Support Unit



# Thank you

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[agem.socialvalue@nhs.net](mailto:agem.socialvalue@nhs.net)

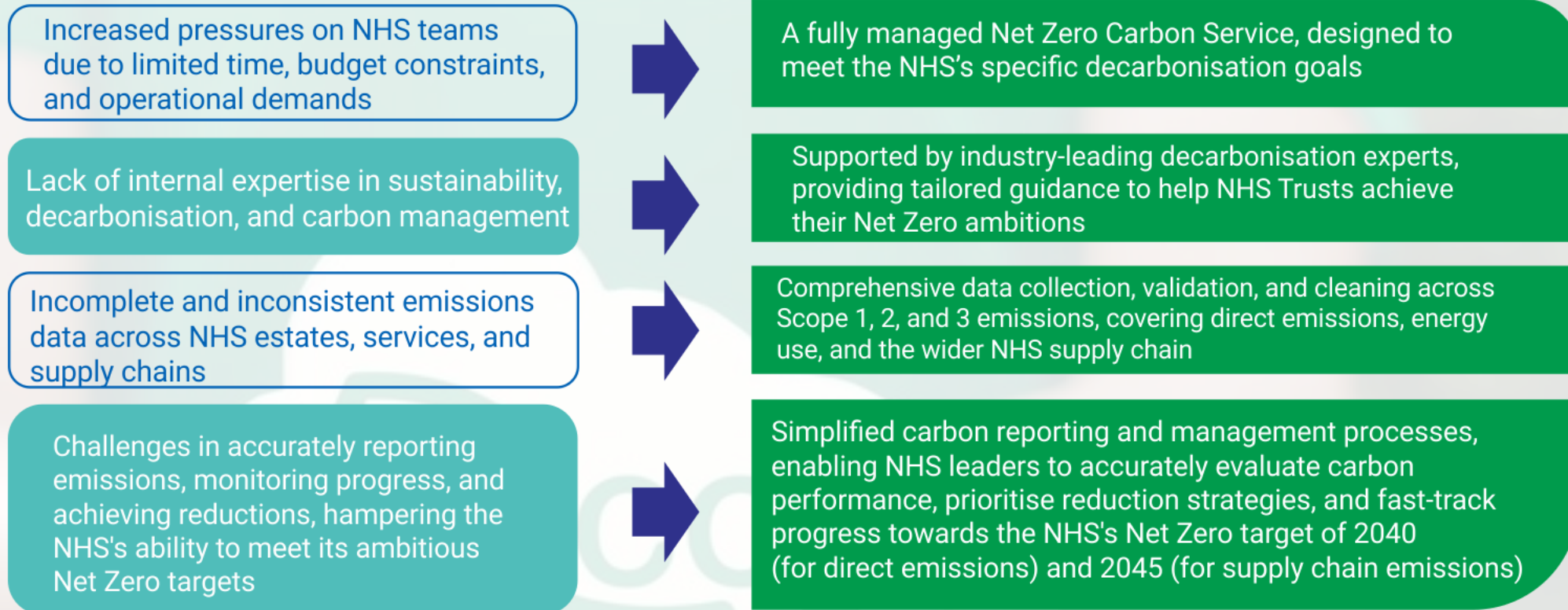


[https://future.nhs.uk/  
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**NHS**  
Arden and  
Greater East Midlands  
Commissioning Support Unit



# Supporting the NHS on Its Path to Net Zero





# How a fully managed decarbonisation service supports NHS objectives:



# Transforming Carbon Reporting into a Strategic Win for NHS Decarbonisation



## People

- Access expert sustainability and management consultants to meet NHS decarbonisation targets.
- Supports NHS Green Plan and Net Zero goals.

### BENEFITS

- Reduces pressure on recruitment and training by providing specialist skills.
- Empowers staff with sustainable practices knowledge.
- Frees NHS resources to focus on patient care.

## Process

- Ensures compliance with evolving regulations; automates carbon reporting aligned with Net Zero goals.

### BENEFITS

- Reduces manual workload, enabling focus on core healthcare activities.
- Delivers accurate, automated carbon data for informed decision-making.
- Streamlines reporting cycles, accelerating progress towards sustainability.

## Technology

- End-to-end technology services, powered by an Enterprise Management platform, tailored to NHS needs.

### BENEFITS

- Customised platform supports NHS carbon reporting and decarbonisation.
- Automation ensures continuous alignment with Net Zero objectives.

**OUTCOME:** This framework supports the NHS's commitment to Net Zero by 2040 for direct emissions and 2045 for the supply chain. It streamlines processes, automates carbon reporting, and provides tailored solutions, helping NHS trusts efficiently meet decarbonisation goals while enabling leaders to focus on clinical priorities.

# Partnering for NHS Net Zero: Transforming Carbon Data into Actionable Insights



## NHS Arden & GEM CSU Contribution:

- **Healthcare Facilities Expertise:** Optimises NHS estates for energy efficiency.
- **Carbon & Sustainability Management:** Provides specialist guidance to reduce emissions.
- **Predictive Carbon Analytics:** Forecasts and manages future emissions across NHS sites.
- **Net Zero Design & Build:** Ensures real, measurable reductions in emissions.

## Enterprise Platform Contribution

- **Net Zero Cloud Solution:** Enables NHS trusts to track and meet sustainability goals.
- **AI-Powered Analytics:** Supports informed decisions on carbon reduction.
- **System Integration:** Seamlessly connects with NHS systems for holistic sustainability management.
- **66% Cost Savings:** Achieved over 3 years by streamlining carbon reduction efforts.

Comprehensive support for achieving NHS Net Zero targets.



# Support Options for NHS and Public Sector Organisations

Tailored to enhance transparency, drive optimisation, and align with public service goals.



## Essential Support Package

**SCOPE:** Remote review and benchmarking for public sector needs.

**KEY FEATURES:**

- Transparency on environmental impact, especially carbon emissions.
- Data-driven insights for strategic improvements.
- Alignment with public sector values and sustainability.



## Enhanced Development Package

**SCOPE:** Strategic innovation and optimisation via collaborative workshops.

**KEY FEATURES:** Essential Support Package plus -

- Innovation workshops for practical, scalable solutions.
- Actionable plans for immediate and long-term sustainability.
- Capacity building to empower teams for lasting change.



## Sustainable Partnership Package

**SCOPE:** Year-long partnership for continuous improvement.

**KEY FEATURES:** Enhanced Development Package plus -

- Ongoing support with shared learning from peers.
- Strategic alignment of resources for maximum impact.
- Development of long-term, sustainable practices for lasting environmental benefits.



# Thank You

NHS Arden & GEM CSU – Helping systems to improve value

