



**National Wound Care
Strategy Programme**

NWCSP and Sustainability

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Working in partnership with

*The***AHSN***Network*



Overview of today's webinar



- The impact of climate change on global health
- Net Zero targets for the NHS – what are they?
- How does wound care contribute ?
- The role of the NWCSP
- How can the NWCSP recommendations help?
- Wound Care and the Carbon Footprint
- Thinking about a circular healthcare economy
- A call for action



Climate Change & NHS



Climate Change - The impact on global health

- Climate change is the biggest global health threat facing humanity ¹
- Estimated 250,000 additional deaths per year, from malnutrition, malaria, diarrhoea and heat stress ¹ between 2030 and 2050 (5 million additional deaths)
- Everyone has a part to play if we want to reduce this!



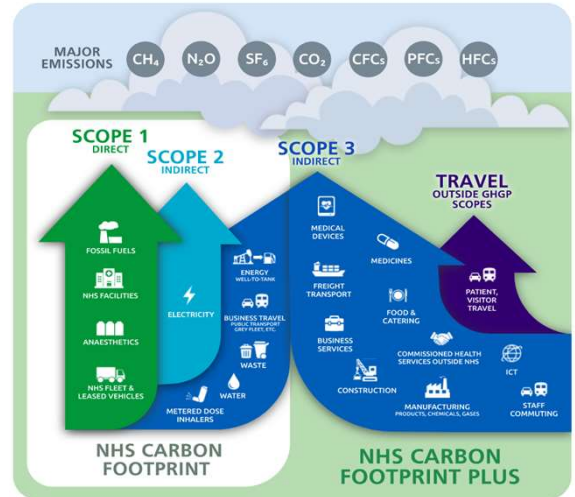
¹ World Health Organisation 2023



Wild fires, floods, etc those in poorest countries who have had least impact are the most affected

Reducing the NHS Carbon Footprint (& Footprint Plus)

- Net Zero? – achieving net zero would halt global warming
- The role of the NHS:
 - 5.4% of all UK Carbon emissions ²
 - Approx. 60% relates to use of equipment and consumables
 - NHS aspires to be the first net-zero health service
 - Emissions we can control (business travel, waste, NHS facilities etc):
 - Net-zero by 2040
 - Emissions we can influence (medical devices, patient travel, manufacturing of products etc):
 - Net-zero by 2045



**The work of the
NWCSP**



The National Wound Care Strategy Programme

The aim of the National Wound Care Strategy Programme is to scope and deliver a wound care national strategy for England that focuses on improving care relating to:

- Lower limb ulcers
- Pressure ulcers
- Surgical wounds

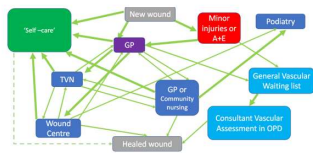
The aim of the programme is to work with key partners to:

- Establish the underlying clinical and economic case for change.
- Identify the desirable improvements in patient care.
- Describe and deliver the necessary changes and interventions required to deliver these improvements.



What is the problem?

- The cost of wound care in England is high and rapidly increasing.
- Too few patients are receiving evidence-based care.
- Too many wound care pathways are poorly organised.
- There is a lack of data and information to inform quality improvement.



What do we want to achieve?

- Better patient care and less patient suffering.
- Less unwarranted variation.
- Better healing rates and less recurrence.
- Best possible use of NHS resources.



Sustainable models of care (NHS Net Zero) – testing pathways of care with the 7 first tranche implementation sites and the learning from this is being shared with the AHSNs who are leading on Improving Wound Care with a number of test and evaluation sites nationwide.

Our framework for improving wound care



PEOPLE

- Provide multi-level, multi-professional online free-to-access wound care education resources
- Outline multi-level multi-professional wound care capabilities to inform deployment of staff
- Develop patient resources to support self-management



PROCESS

Redesign the clinical pathway across primary care, community services and secondary care to incorporate:

- Dedicated chronic lower limb wound care services staffed by clinicians with appropriate time, knowledge and skills
- Pathways for referral to vascular, podiatry, dermatology & lymphoedema services
- Promotion of supported self-management



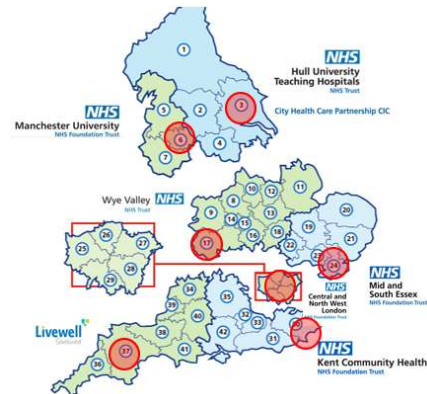
TECHNOLOGY

- Support clinical care and quality improvement through effective data capture and reporting
- Roll out of point-of-care NHS compliant mobile digital technology
- Establish information feedback systems to inform business and clinical needs
- Implement data collection and reporting systems to inform a set of agreed national metrics to inform quality improvement



NWCSP First Tranche Implementation Sites (FImpS)

- NWCSP is now confirming the assumptions of the business case through working in partnership with **seven** regional First Tranche Implementation Sites ('FImpS' - one in each NHS Region).
- Observing **how** resources implemented & approaches taken.
- Understanding enablers, challenges, barriers and gaps
- Moving from the "what good looks like" to the "how" in practice.



The AHSN Network

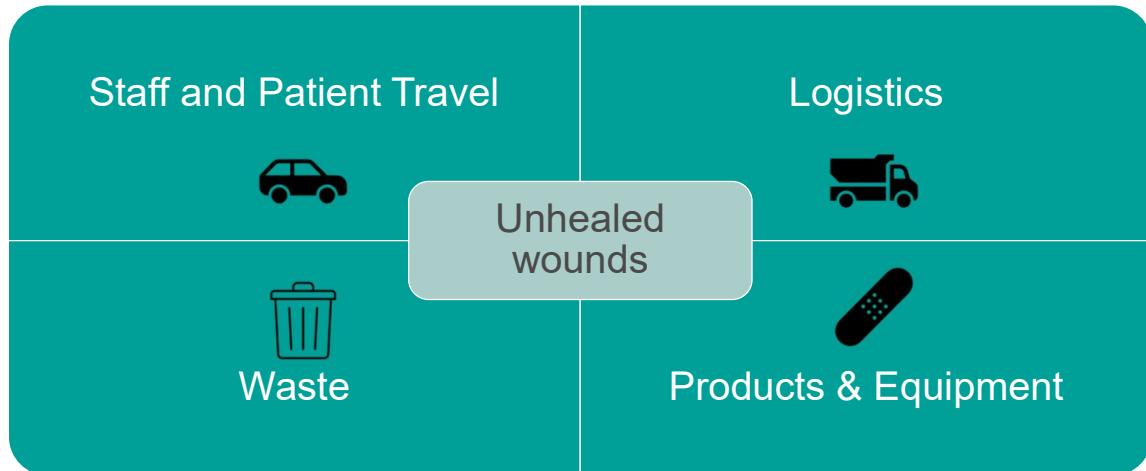
- AHSN Implementation Programme: Transforming Wound Care
 - NWCSP Lower Limb work adopted as an AHSN Programme.
 - Provide regional implementation and change management resource for adoption and spread



**Wound Care and
the impact on the
Carbon Footprint**

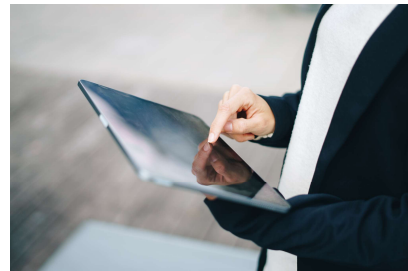


Wound Care and the Carbon Footprint



Staff and Patient Travel

- Most wound care delivered in community
 - Staff travel to patients
 - Patients travel to clinics or outpatients
- Approximately 3.5% (9.5 billion miles) of all road travel in England relates to patients, visitors, staff and suppliers to the NHS
- A digital, low-carbon transformation³
 - Use of technology to improve efficiency, enable digital consultations and reduce travel e.g. Wound Management Digital Systems (WMDS)
- Greater use of supported self care for those who are willing and able to do this



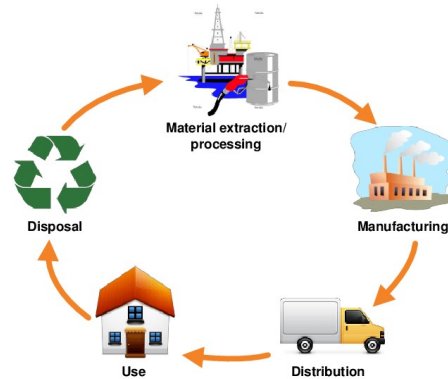
³ Delivering a 'Net Zero' National Health Service (part 4.1.4) NHS, 2020



Products and Equipment

Dressing Packs	Multilayer bandages
Single use Negative Pressure	2 layer Hosiery Kits
Biodegradable dressings	Compression Wraps
Packaging	Innovation

- Product life cycle:
 - Materials
 - Manufacture
 - Distribution
 - Disposal
- Single use plastics
- Reusable products
- Biodegradable products
- Single use items e.g. negative pressure
- Innovation e.g. Biopolymers
- Supplier sustainable road map

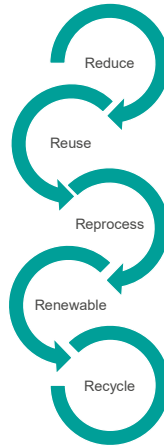


NHS will work to ensure that suppliers are decarbonising their own processes and provide clear and long-term signals about the direction of travel.

From April 2022: all NHS procurements will include a minimum 10% net zero and social value weighting. Aim to only buy from suppliers who meet or exceed NHS net zero ambition by 2030.

Logistics

- Sustainable procurement
- Thinking about routes of supply for the products we are using, from factory to distributor to patient...
 - Place of manufacture
 - Prescription & pharmacy supply
 - Direct supply / Courier
 - NHS logistics
- Overstocking, storage and stock rotation



Waste

- NHS providers produce circa 156,000 tonnes of clinical waste each year (= 400 loaded jumbo jets!)⁴
 - High temperature incineration (HTI); Alternative treatment (AT); Offensive waste (OW)
- Clinical waste is defined under the Control Waste Regulations (issued under the Environmental Protection Act)
 1. Waste containing viable micro-organisms or their toxins
 2. Waste contaminated with biologically active pharmaceutical agent.
 3. Sharp waste, or a body fluid or tissue contaminated with a dangerous substance
- Healthcare professionals delivering treatment to patients in their homes should take any clinical or hazardous waste generated away with them for safe disposal ⁵.



⁴ NHS England 2023 **NHS clinical waste strategy**

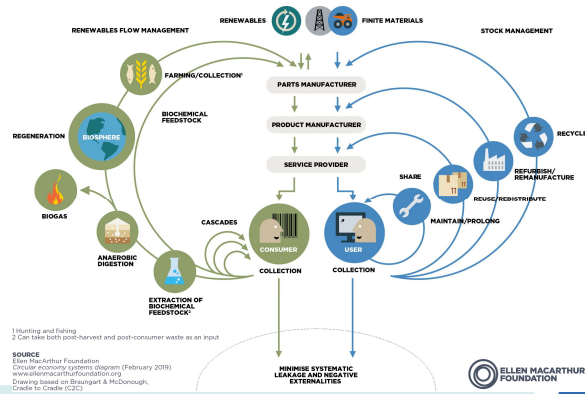
⁵ Health Technical Memorandum 07-01: Safe and sustainable management of healthcare waste



A Circular Healthcare Economy

- The benefits of a more circular healthcare system
- Three key principles:
 - eliminate waste and pollution
 - keep products and materials in use
 - regenerate natural systems
- Ellen Macarthur Foundation
 - A great source of information on circular economy

- Philips Healthcare – an example
 - Refurbished systems, New business models, Reduction of waste



Summary



- The NHS aspires to reduce its carbon footprint to net zero by 2040
- Wound care uses lots of products and incurs considerable travel (for staff and patients)
- The NWCSP recommendations aim to improve healing and prevent recurrence
- By improving healing rates and preventing recurrence of wounds this will naturally lead to a reduction in carbon emissions
- Use of technology, reusable products, innovation and attention to waste will also improve sustainability



Your Challenge.....?

- **Clinicians:** Let us know about what you are doing to make a difference, please send in examples of your initiatives!
- **Suppliers:** Let us know how you are innovating to reduce your carbon footprint and how this is making a difference

Finally....think about engaging with your Trust Net Zero Lead and explaining how you are implementing NWCSF pathways to deliver sustainable models of care in your organisation



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