

Sustainable Healthcare webinars, 2 of 3

Sustainability in Quality Improvement

SUMMARY

27 February 2024

2-3pm, via Zoom



Welcome

Dr Amanda Young, Director of Nursing Programmes (Innovation & Policy) The QNI,
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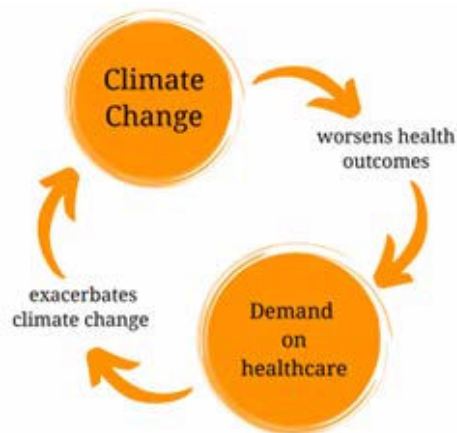
- Welcome everyone to today's second webinar in our sustainable series with the Centre of Sustainable Healthcare
- We'll hear from Dr Ayoma Ratnappuli, Education Fellow from the Centre of Sustainable Healthcare and focus on step-by-step coverage of the 4 stages of the Sustainability in Quality Improvement (SusQI) Framework including how to measure impacts, such as measuring a carbon footprint.
- The next webinar in the series is taking place on 21 March, 'Sustainable Healthcare in Practice'. To book your free place, scan the QR code below.



Climate Change and Healthcare

Dr Ayoma Ratnappuli, Education Fellow, Centre for Sustainable Healthcare

- Climate change worsens health outcomes, it affects how we work, our infrastructure: we've seen IT systems fail in the heatwaves and hospitals flood.
- It's already happening in the global south.
- If we reduce our carbon emissions: it benefits our health. Reduces dementia risks, cancer risks etc.
- If we try and minimise climate change it will release some of the pressures on healthcare.
- **Sustainable healthcare ensures the health needs of the current population are met, without compromising environmental, economic or social resources for future generations.**
- In 2020, the NHS set out its intent to support this ambition through its 'Delivering a 'Net Zero' National Health Service' report. The report sets a clear target for achieving a net zero health service for direct emissions by 2040 and indirect emissions by 2045.
- To read the NHS report, go to:
<https://www.england.nhs.uk/greenernhs/a-net-zero-nhs/>
- Having knowledge is one thing, but putting the knowledge into action, bringing sustainability and quality improvement together to get people to take action and make their services more sustainable.



Climate Change and Healthcare

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- The Sustainability in Quality Improvement (SusQI) has 4 goals:



- Quality is not enough: we need to improve value:

$$\text{Sustainable Value} = \frac{\text{Outcomes for Patients} + \text{Outcomes for the Population}}{\text{Environmental Impact} + \text{Social Impact} + \text{Financial Impact}}$$

The equation uses icons: a red heart for Outcomes for Patients, a purple person for Outcomes for the Population, a green tree for Environmental Impact, a purple person for Social Impact, and yellow coins for Financial Impact.

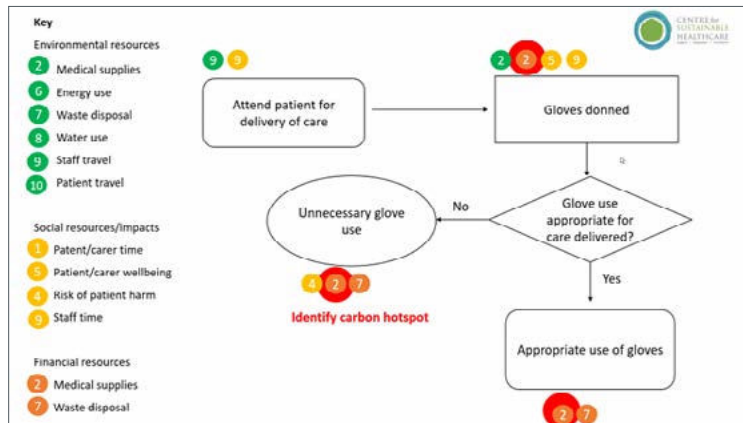
- The idea of SusQI and sustainable value is to take a holistic view.
- Preventative medicine is the most powerful driver.



Climate Change and Healthcare

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- The 4 goals: 1. Setting Goals: develop a sustainability lens to assess the problems that we encounter and wish to tackle (include climate change as a problem to be solved). Remember SMART approach.
- 2. Study the system: the most important part of the framework is understanding the system we work in - looking at environmental and social resources we use and its impact. Who will you ask? Use value process mapping which demonstrates a sequence of steps in process, it identifies problems and the steps that don't add value.
- Example of a process map:



- “Health inequalities and the social determinants of health are not a footnote to the determinates of health. They are the main issue”. Sir Michael Marmot.

Climate Change and Healthcare

Dr Ayoma Ratnappuli, Education Fellow, Centre for Sustainable Healthcare

- Think about how to measure impact, using patient surveys, or staff surveys, procurement information or rates of infection.
- 3. Design the improvement: consider who you need to get on board. Map your stakeholders, you want people on board with power, you want people to understand what and why you're doing this, so they're more involved and embedded in it. Use a prioritisation of improvement table to help.
- 4. Measure impact (environmental and social): this is the stage of thinking of sustainable value equation. You can do the non carbon method, for example the number of resources used before, vs the number of resources used after improvement is implanted. Or you can use carbon footprinting, as an estimation of the amount of carbon released by your change. Here's a link to help you :
<https://sustainablehealthcare.org.uk/what-we-do/carbon-footprinting-and-triple-bottom-line-analysis>
- It's not about reinventing the wheel, look for what's already out there. The Centre for Sustainable Healthcare has a lot of free resources, find out more here:
<https://sustainablehealthcare.org.uk/>



NEXT free SUSTAINABLE WEBINARS:

'Sustainable Healthcare in Practice, 21 March, 2-3pm

Thursday 21 March, 2-3pm

Find out more or book your free place scanning the QR code below:



Thank you to all the delegates who attended today's webinar.

A selection of comments from delegates:

Thank you this was a great session, really useful

Very helpful seminar

Thank you very much for your presentation

These sessions have been really informative, as a lecturer I'd like to share them with students

Brilliant - thank you, it's been great!

Thank you so much!

This has been fantastic I'm hoping to start a project on sustainability in my education team within a community nhs trust

