



CENTRE for
SUSTAINABLE
HEALTHCARE

CSH Sustainability School

Introduction to Carbon Footprinting for Healthcare

10th July 2020, 10:00am – 14:00pm on Zoom

Online

Register at: <https://www.eventbrite.co.uk/e/carbon-footprinting-for-healthcare-tickets-105981984970>

Introduction

Climate Change poses an existential threat, but we can do something about it. The NHS has acknowledged its impact on Climate Change and signed up to going carbon zero by 2050. So, how do we get there?

Though we know the NHS's carbon footprint overall, the carbon impact of, for example, service changes, quality improvement projects or procurement of new products, is not routinely measured. In order for the NHS to reduce its greenhouse gas emissions to net zero by 2050, carbon needs to become an additional currency alongside money, understood by all working in the health system.

This training course will help health professionals, quality improvement leads and medical students to become carbon literate. Participants will gain an understanding of what a carbon footprint is, how it can be used in the NHS's endeavour to go net zero and how it is measured. Delegates will get to know about different carbon footprinting studies in healthcare and what can be learned from them.

Course objectives

- To recognise the interconnectedness of health, healthcare and climate change
- To understand what a carbon footprint is, why it is important to measure it, and how the two main carbon footprinting methodologies differ
- To identify the steps in estimating a carbon footprint of a quality improvement project or clinical pathway
- To find and use carbon conversion factors
- To recognise good practice in carbon footprinting studies in healthcare
- To practice carbon footprinting on a small/simple quality improvement project

Who should attend

Health professionals, quality improvement leads and medical students

If you have not attended our training course *Leadership in Sustainability and Health*, we recommend participation in our training course *Introduction to Sustainable Healthcare* before joining *Carbon Footprinting for Healthcare*. However, it is not a requirement for joining.

Course fees

£165 plus VAT (£198)

Size of group

Max. 30 people

Programme

In response to growing demand and in order to support physical distancing, we have revised our Sustainability School courses. Our new 3-part structure allows more opportunities for individually-tailored guidance from specialists in sustainable healthcare and for interacting with fellow participants.

Part 1: Self-study

Two weeks before the workshop begins, we will send you a package of interactive instructional material and video case studies to dip into. You will learn about core concepts in the field of sustainable healthcare and carbon footprinting to prepare you to participate in our interactive workshop (part 2). It will take you 3-4 hours to complete the self-study package, depending on your particular interest and pre-existing knowledge.

Part 2: Workshop

During the 4-hour online interactive workshop you will put into practice the concepts that you've studied, working in groups so that you have a chance to make those vital connections with other like-minded people.

1000 Arrival & technical assistance

1015 Welcome & group introductions

1045 Your carbon footprinting questions answered

1130 Interactive small group and individual exercises

1350 Sign-posting to work-in-progress masterclass

1400 Close

Part 3: Work-in-Progress Masterclass

Months after the workshop we will have the opportunity to meet again informally as a community of practice to share progress on carbon footprinting projects. You can invite feedback and suggestions from other participants and specialists in sustainable healthcare in a supportive and fun learning environment as well as be inspired and learn from the experience of other members of the community. We welcome stories of the messy reality of real-world projects-in-progress; this is where the advanced learning happens!

Facilitators

Rob Lillywhite – Assistant Professor, Department of Life Sciences, Warwick University



Rob Lillywhite is an assistant professor at the department of life sciences, Warwick University. His principal interest is systems sustainability and his research programme focuses on two sectors: agriculture/food and healthcare. His work uses environmental accounting techniques (life cycle assessment, footprinting, mass balances) to examine the trade-offs and impacts that occur within systems.

Miss Chantelle Rizan – Sustainable Surgery Fellow, Centre for Sustainable Healthcare



Chantelle joined the CSH in September 2018 as the first Sustainable Surgery Fellow. Chantelle is an ENT Research Fellow at Brighton and Sussex University Hospitals NHS Trust, currently undertaking a PhD at Brighton and Sussex Medical School using carbon footprinting and life cycle assessment methodologies to identify carbon hotspots within the operating theatre. Chantelle's research is funded by Health Education England, with additional funding from the Royal College of Surgeons of England (RCSEng), where she is a current Surgical Research Fellow. Chantelle is a founding member of both the RCSEng Sustainability in Surgery working group, and the Environmental Sustainability Steering Group at her local NHS Trust.

Ingeborg Steinbach – Carbon modelling lead, Centre for Sustainable Healthcare



Since 2008 Ingeborg Steinbach has worked for CSH supporting healthcare organisations and professionals in embedding sustainability in day to day practice. The last four years, her focus of work has been the analysis of the economic, environmental and social impact of healthcare organisations, services and ward-based quality improvement projects. Ingeborg has been involved in the development of the global Eyeefficiency tool, which looks at the productivity and financial and environmental impact of cataract surgery.

The Centre for Sustainable Healthcare

An independent charity, CSH has been leading efforts to incorporate the values of environmental sustainability into the health sector since its establishment in 2008. It has a particular focus on engaging clinicians, promoting the concept of ‘sustainable clinical practice’^{*}, based on four principles:

1. Prevention - promoting health by tackling the causes of illnesses and inequalities
2. Patient self-care - empowering patients to take a greater role in managing their health
3. Lean service delivery - streamlining care systems to minimise wasteful activities
4. Low carbon alternatives – prioritising treatments & technologies with a lower environmental impact

The Centre’s pioneering Sustainable Specialties programme fosters change within existing clinical communities, supported by research into the carbon footprint of alternative technologies and models of care. The specialty-led approach is complemented by tools designed to empower clinicians, including [SAP](#) (Sustainable Action Planning for clinical teams), online clinical [Networks](#) and the Green Ward Competition.

CSH hosts the Sustainable Healthcare Education (SHE) network, which supports the integration of sustainability into health professional education. In 2012-13, the SHE network coordinated a national consultation on [priority learning outcomes for sustainability](#) which informed the revision of (and are referenced from) the General Medical Council’s “Outcomes for graduates 2018”. CSH runs sustainability scholarship and fellowship programmes for practising clinicians and provides sustainable healthcare training in a range of formats.

CSH has pioneered the integration of sustainability into quality improvement and has developed the “SusQI” framework^{†‡} for integrating sustainability into quality improvement methodology. It has been at the forefront of developing training and supporting sustainable QI projects.

"The Centre for Sustainable Healthcare supports clinicians to take a leading role in galvanising co-ordinated, systematic and evidence based action for sustainable healthcare.

Their sustainable specialties programmes and their work in medical education are excellent examples of what clinicians need to help them take exemplary action for tomorrow whilst continuing to deliver high quality care for today."

Dr David Pencheon, Director, NHS Sustainable Development Unit 2008-18

For further information, please contact info@sustainablehealthcare.org.uk