

Greening the Healthcare Sector Forum 14-15 SEP 2023



FIONA STANLEY HOSPITAL, WESTERN AUSTRALIA + ONLINE

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Presented by



Coordinated in the
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Government of Western Australia
Department of Health

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South Metropolitan Health Service

Workshop 1:

Sustainable Quality Improvement (SusQI): practical toolkit for climate interventions in the clinical setting

This session will run in person and also be facilitated online.

Facilitators:

Dr Aditya Vyas, Tarah Mountford, Jessie Parrish, Allison Slater

Overview:

Health practitioners are increasingly aware of the health impacts of climate change and the imperative to develop environmentally sustainable health systems. While governments and health organisations are beginning to develop plans and strategies to build net zero health systems, it is often unclear what individual health practitioners can do.

In this workshop, we will introduce the Sustainable Quality Improvement (SusQI) toolkit, a validated methodology for climate interventions in the clinical setting developed by the Centre for Sustainable Healthcare in England. SusQI is based on the “plan, do, study act” method, and is readily understood by health practitioners of all disciplines. Participants will leave the session empowered to take action on “the greatest threat and opportunity for health in the 21st century”.

Learning outcomes:

1. Appreciate the importance of the quality improvement agenda in the health sector, and how this agenda can be applied to promote action on environmental sustainability of health systems.
2. Understand the four steps of the Sustainable Quality Improvement (SusQI) toolkit and their application towards the development of environmentally sustainable health systems.
3. Understand how the SusQI methodology has been used to achieve the transition to low carbon and low waste clinical environments.

Program:

1. Presentation (20 min): Overview of the Sustainable Quality Improvement (SusQI) toolkit
2. Group activity (50 min): Development of SusQI project ideas in small groups, facilitated by workshop team
3. Plenary discussion (20 min): Sharing findings and challenges from SusQI project development
4. Presentation: Real world examples of SusQI project implementation in the clinical setting

Workshop 2:

KN2OW Nitrous: Detecting leaks, auditing use and reducing emissions

This session will run in person and also be facilitated online.

Facilitators:

Dr James Anderson, Dr David Ng, Dr Chris Mitchell, Dr Elliott Smith

Overview:

This workshop will review the environmental consequences of nitrous oxide use, focus on preventing waste, detecting leaks and understanding clinician use. Tools for auditing clinical use of nitrous and protocols for testing hospital nitrous oxide gas pipelines will be covered. N₂O collection and 'cracking' will also be reviewed. Successes and challenges experienced by workshop facilitators and participants will be shared so we can all move forward sustainably as quickly as possible.

Learning outcomes:

1. How nitrous oxide use and waste occurs in hospitals, and effect on environment
2. How to audit clinical use
3. How to test nitrous gas pipelines for leaks

Program:

1. Presentation -Overview of nitrous oxide, healthcare and the environment
2. Discussion - clinical use of nitrous - the low hanging vs harder to reduce areas. Should carbon footprint be included in consent for treatment?
3. Presentation - Clinical Audit
4. Group Activity - design your nitrous oxide pipeline system leak test, using our protocol.

Workshop 3:

Behaviour Change in Transitions to Sustainable Health Care

This session will run in person and also be facilitated online.

Facilitators:

Dr Angie Bone, Dr Breanna Wright, Dr Emma-Leigh Synnott

Overview:

This practical workshop explores key principles from behavioural science and their application for greening the healthcare sector.

We will present the BehaviourWorks Australia Method as a framework for designing behaviour change interventions. We will explore what we mean by “behaviour” and consider healthcare challenges in terms of two key questions:

What are the drivers and barriers of the behaviours involved in the problem?

How can we support healthcare staff to overcome barriers?

Participants will apply a behavioural framework to help support behaviour adoption. We conclude with a discussion on how behavioural science can empower action for greening the healthcare sector.

Learning outcomes:

1. Become familiar with an evidence-based framework for designing more effective behaviour change interventions
2. Learn how insights around the drivers and barriers to behaviour can inform the design of behaviour change interventions focussed on sustainability behaviours in healthcare
3. Understand why applying principles from behavioural science are relevant and beneficial to empower action for greening the healthcare sector
4. Reflect on the role of sustainability actions in building greater justice and equity

Program:

1. Why is behaviour change important? How does a behavioural perspective support the action we need in order to Green the healthcare sector? (presentation)
2. Introduction to the BehaviourWorksAustralia Method as a framework to developing behaviour change projects (presentation)
3. What is behaviour? Exploring, what do we mean by behaviour? How do we define behaviour and how can we identify behavioural solutions to particular challenges (group discussion)
4. Diagnosing the drivers and barriers to behaviour adoption: How we understand the drivers of behaviour, i.e. what prevents people from enacting the behaviours we are interested in and what supports or enables participation? (presentation and group activity)
5. Applying the EAST framework for behaviour change; Making behaviours EASY, ATTRACTIVE, SOCIAL and TIMELY to increase chances of success (presentation and group activity)
6. Applying the concepts of justice and equity in the context of sustainability actions and the design of behavioural change interventions (presentation)
7. Reflections (group discussion):
8. How can I use behavioural tools to empower action for greening the healthcare sector? (group discussion)
9. What do we need to consider to ensure our actions always move us toward equity and justice overall?

Workshop 4:

Climate communications: develop your skills

This session will run online and also be facilitated in person.

Facilitators:

Alison Barrett, Professor Megan Williams, Dr Melissa Sweet

Overview:

Health services and practitioners have vital roles in communicating with local communities about climate mitigation and adaptation.

Climate communications is multi-directional; the health sector has much to learn from communities, especially Aboriginal and Torres Strait Islander communities, about developing resilient, sustainable healthcare systems.

To salvage the future of the planet, and humanity, we must challenge existing systems of colonialism, capitalism and extractivism that fuel climate change.” (Amba-Rose Atkinson, Gumbaynggir researcher.)

In this workshop, participants will map local news and information ecosystems, and develop communication skills and strategies for their contexts, drawing upon cultural safety, decolonising frameworks and systems thinking.

Learning outcomes:

1. Identify and map key elements of a local news and information ecosystem
2. Draw upon decolonising and cultural safety frameworks and systems thinking in developing communications strategies
3. Develop practical skills in critical self-reflection and communications, including listening.

Program:

1. Content:
 - a. Decolonising and cultural safety frameworks
 - b. Indigenous knowledges and expertise on Caring for Country
 - c. Communications and listening strategies
2. Activities
 - a. Acknowledgement of Country
 - b. Brief presentations by facilitators
 - c. Group discussion
 - d. Practical exercises: 1. Mapping systems; 2. Developing local communications strategies; 3. Critical self-reflection; 4. Deep listening.
3. Group discussion and concluding comments, including ‘next best steps’ for participants.

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We recognise Aboriginal and Torres Strait Islander People as the traditional custodians of the land on which we live and work and acknowledge that sovereignty of the land we call Australia has never been ceded. We commit to listening to and learning from Aboriginal and Torres Strait Islander people about how we can better reflect Indigenous ways of being and knowing in our work.



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