

# Sustainability and environmental reform, BE THE CHANGE

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International Forum on  
**QUALITY & SAFETY**  
in HEALTHCARE  
MELBOURNE

I represent, and present, in paid time by ANMF  
(Victorian Branch)

Declaration:



**Australian  
Nursing &  
Midwifery  
Federation**  
VICTORIAN BRANCH

# Lived Experience



Australia's National  
Science Agency

## Our Future World

Global megatrends impacting the way we live  
over coming decades

July 2022



Australia News

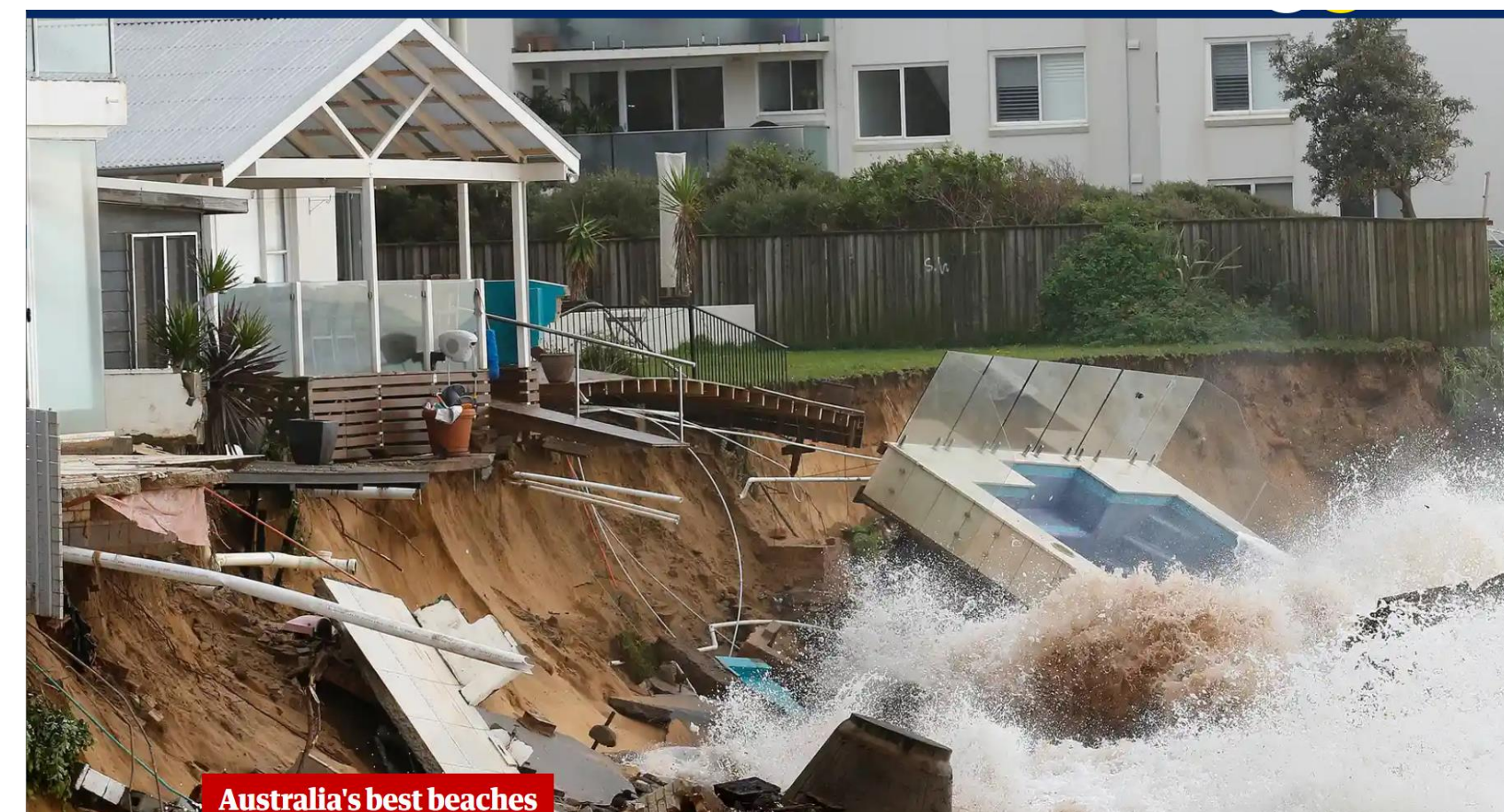


### Experts warn food shortage could get worse

August 28, 2022 - 12:21AM [sky news .COM.AU](https://www.skynews.com.au)

Food shortages have plagued Australia's supermarkets for some time, but experts are warning it may get worse.

### Common antibiotics scarce as medicine shortage in Australia worsens



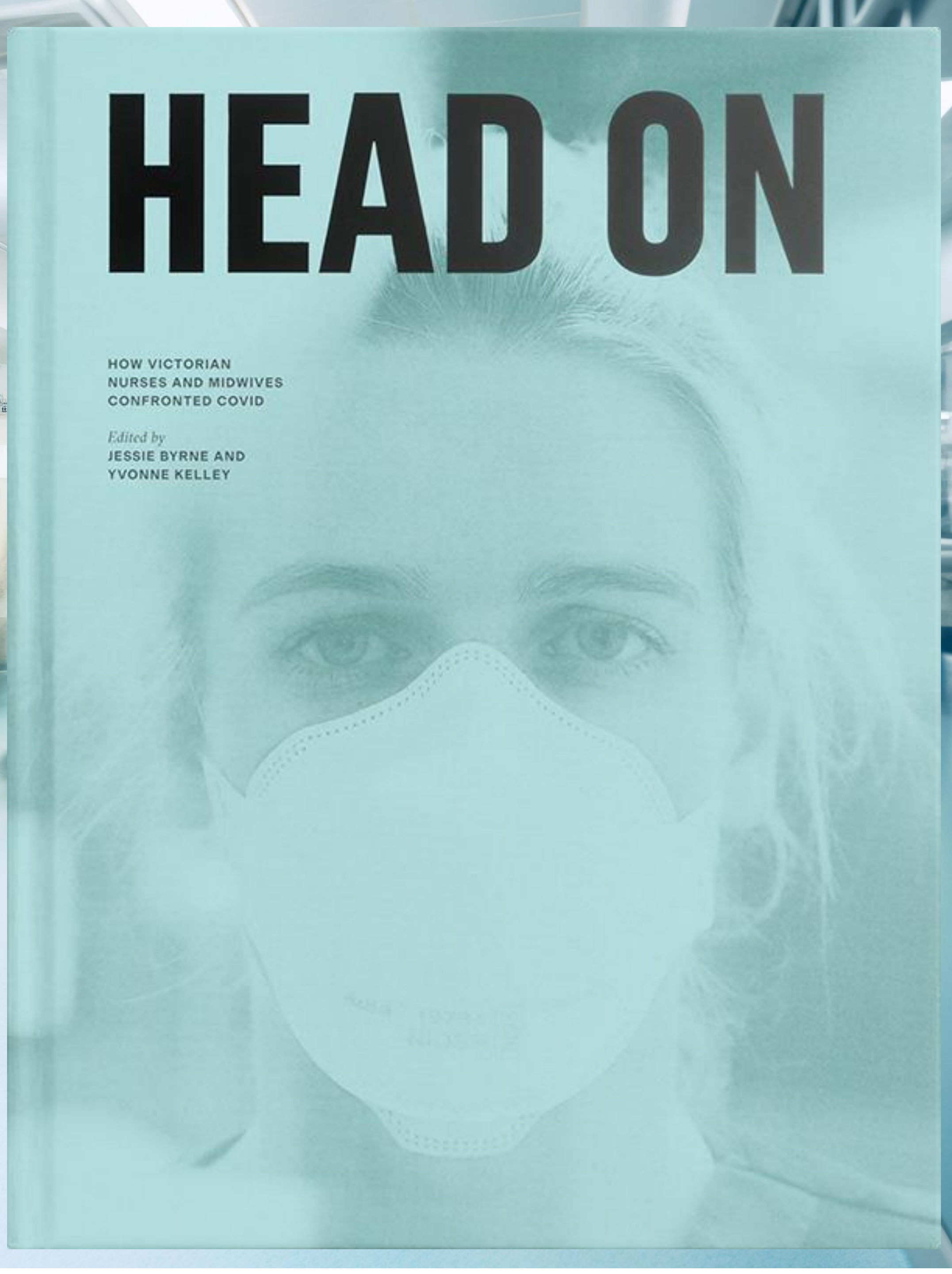
Australia's best beaches



# HEAD ON

HOW VICTORIAN  
NURSES AND MIDWIVES  
CONFRONTED COVID

*Edited by*  
JESSIE BYRNE AND  
YVONNE KELLEY

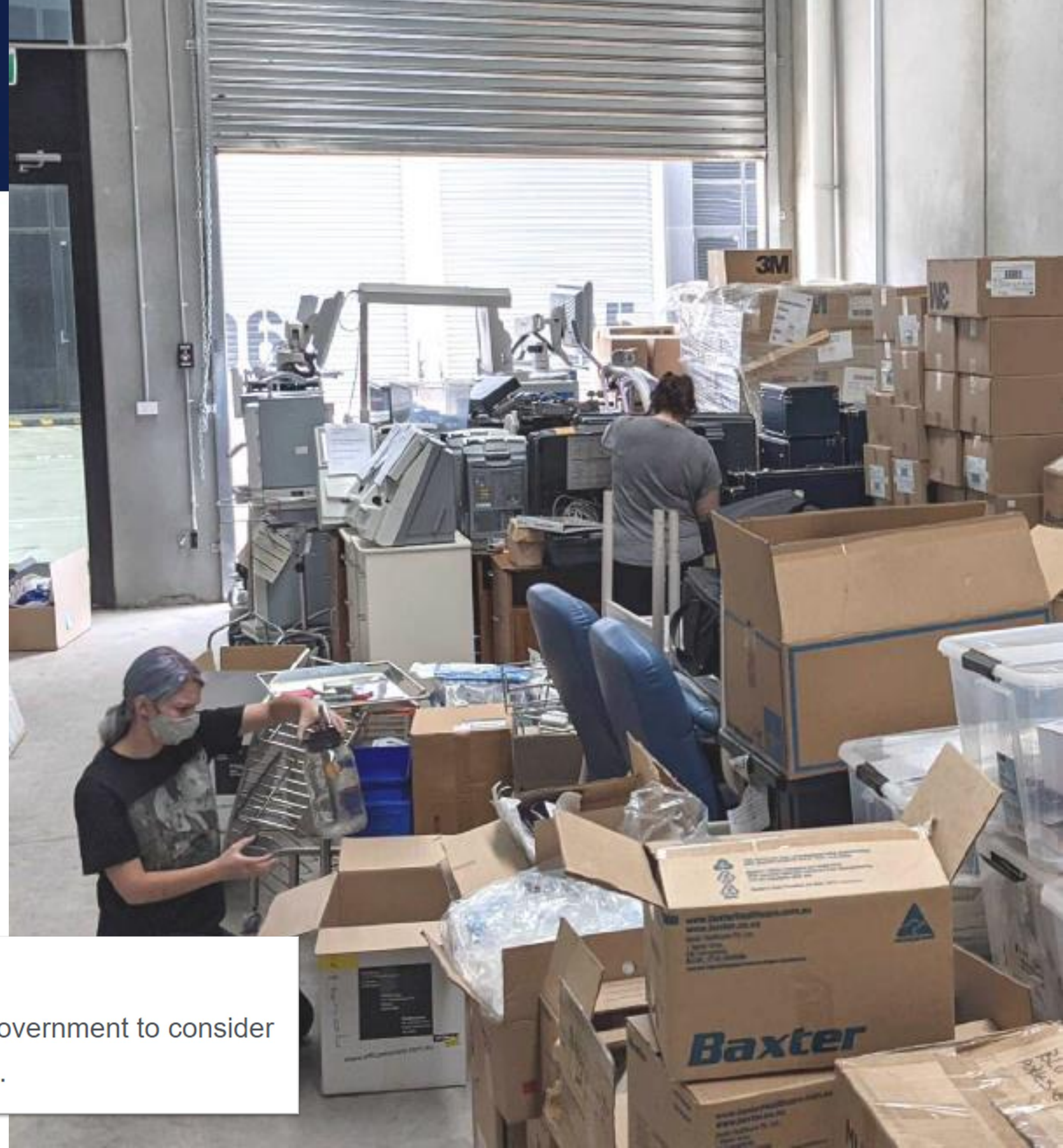


# Supply Chain

## Medical Pantry

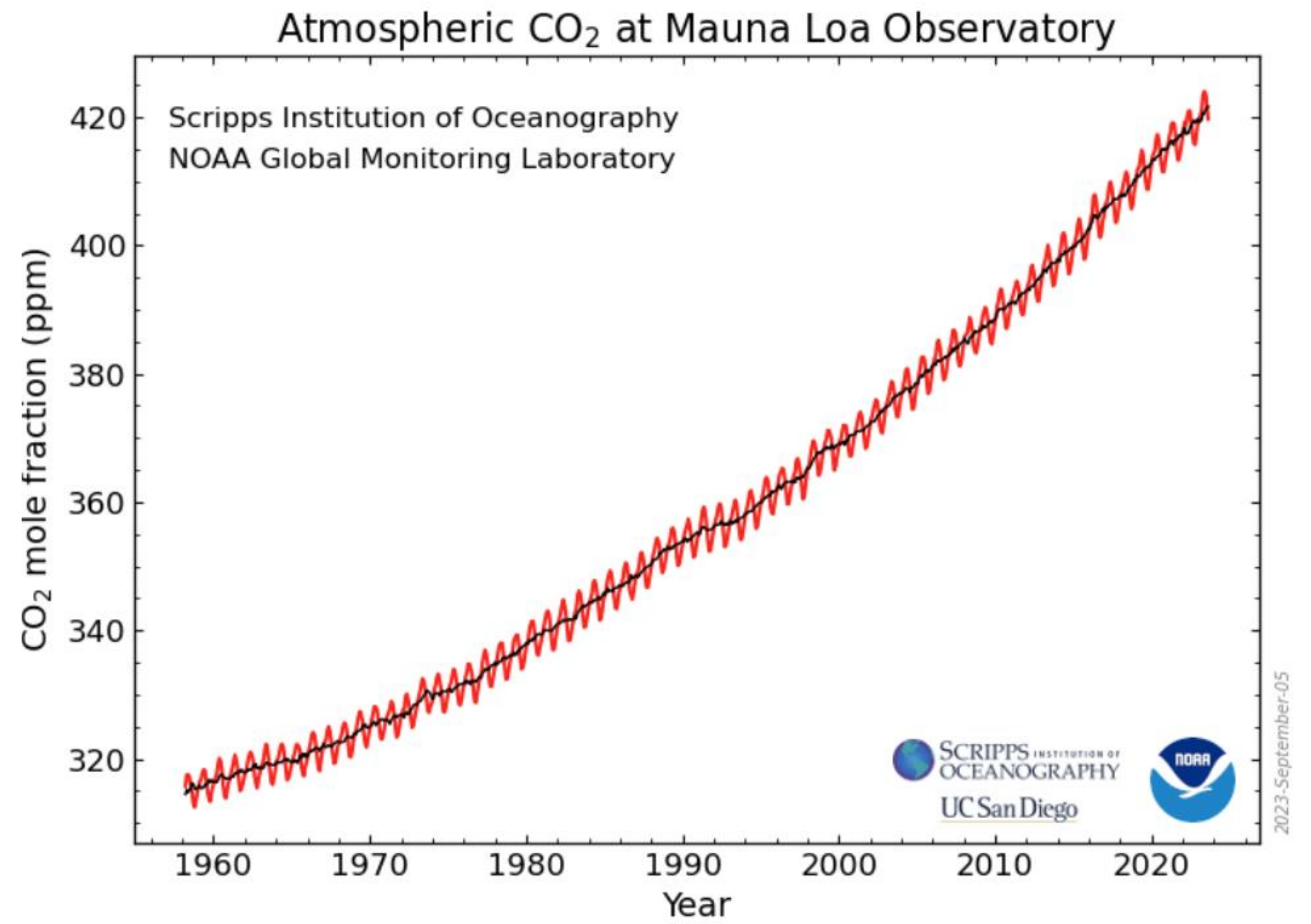
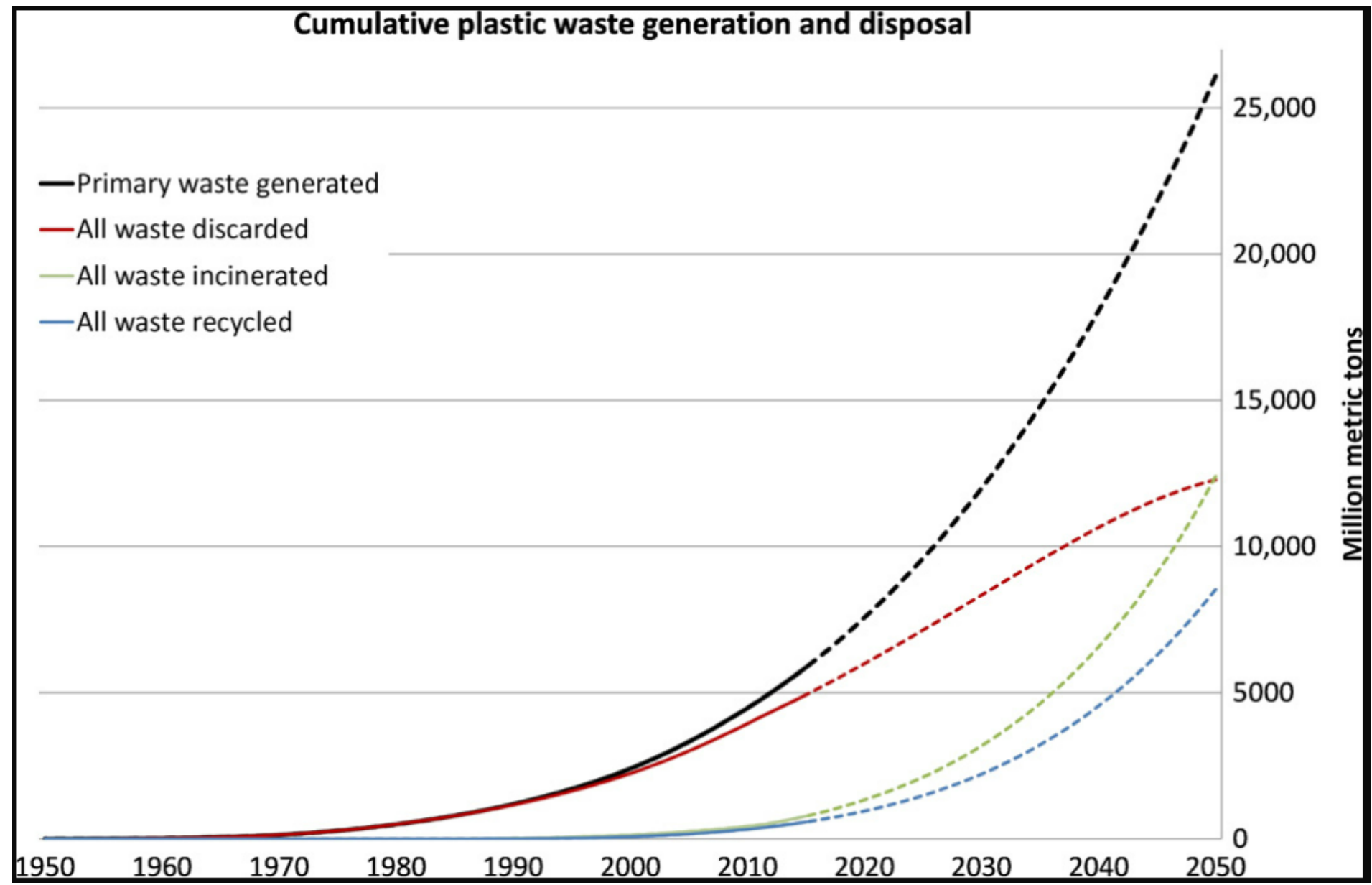
### Our Mission

To **rescue surplus medical supplies (diverting from landfills) and deliver them to communities in need** in the most efficient and effective ways possible

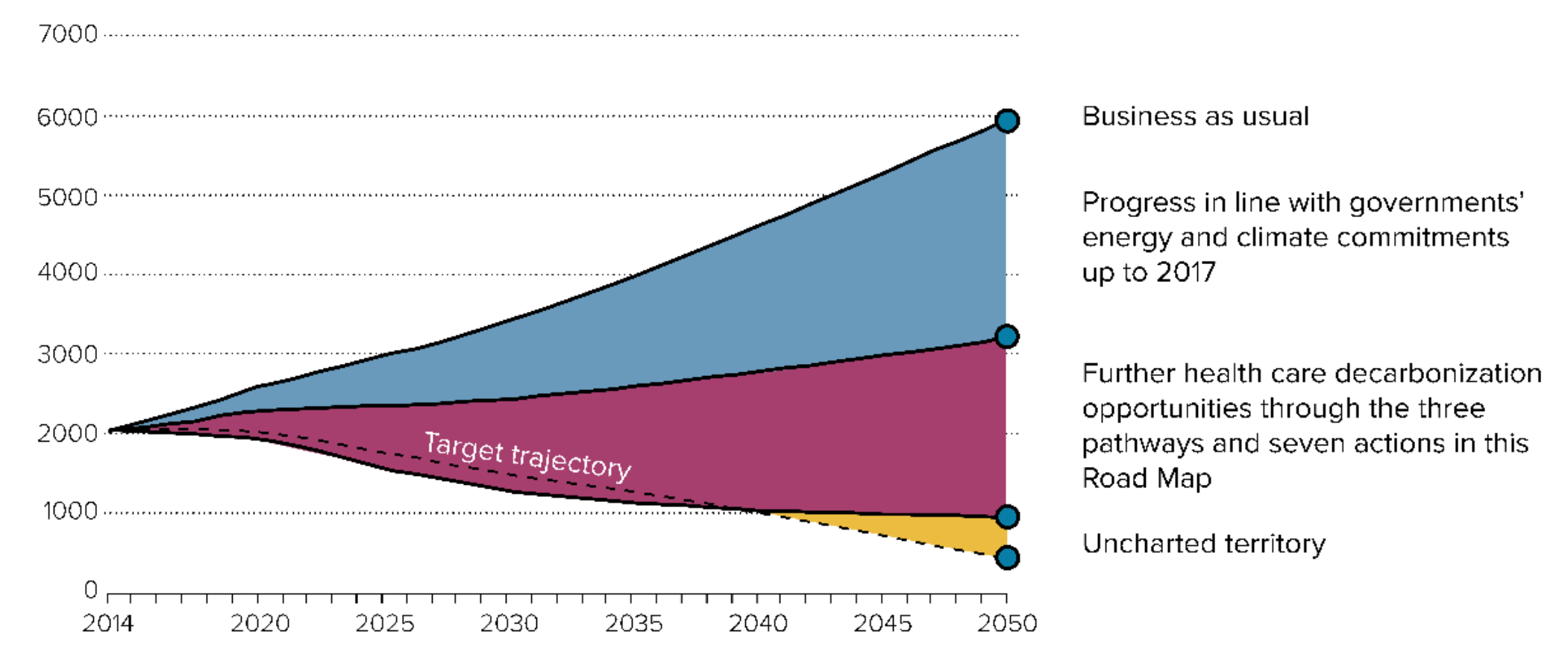


### Doctors concerned over antibiotic shortage

11 Jan 2023 — Australia's peak medical body is **calling** on the federal government to consider **onshore antibiotic manufacturing** amid supply shortages across the ...



Healthcare sector projected GHG footprint per year (MMt CO2-e)



**PFAS**  
**Researchers find evidence of 'forever chemicals' in blood of pregnant women**

**At least 97% of the blood samples contained a type of PFAS known as PFOS, associated with multiple serious health problems**



Sources: [https://healthcareclimateaction.org/sites/default/files/2021-04/Figure\\_i\\_RGB.jpg/](https://healthcareclimateaction.org/sites/default/files/2021-04/Figure_i_RGB.jpg/) Production, use, and fate of all plastics ever made, ROLAND GEYER, JENNA R. JAMBECK, AND KARA LAVENDER LAW, SCIENCE ADVANCES, 19 Jul 2017, Vol 3, Issue 7, DOI: 10.1126/sciadv.1700782



School Strike 4 Climate, Melbourne

United Nations Brundtland Commission definition of sustainability:

**Meeting the needs of the present without compromising the ability of future generations to meet their own needs.**

We must revise framing, mindsets and measures if we are to adequately respond to the challenges of our time and continue to deliver high quality healthcare...

If we are to create and capture new opportunity.

GGHH Pacific

# Member Decarbonisation Commitments

Up to 30 June 2022, a growing number of members had shared public carbon emissions reduction targets including:

ACT Health

Zero emissions by  
**2040**

Mercy Health

Net zero by  
**2030**

NSW Health

Net zero by  
**2050**

halve emissions by  
**2030**

Ambulance Victoria

Net zero by  
**2045**

**60%**  
reduction by  
**2030**

Metro North Health

Net zero by  
**2050**

**30%**  
reduction by  
**2030**

QLD Health

Net zero by  
**2050**

**30%**  
reduction below 2005 levels by  
**2030**

Barwon Health

Net zero by  
**2050**

Northern Sydney Local  
Health District

Net zero by  
**2035**

**70-80%**  
reduction by  
**2030**

Sydney Children's  
Hospitals Network

Net zero by  
**2050**

Uniting Care

Net zero by  
**2050**








Hunter New England  
Local Health District

Carbon Neutral by  
**2030**

As per the Carbon Neutral Program, all District Health Boards (DHB) in New Zealand are required to be carbon neutral by 2025.

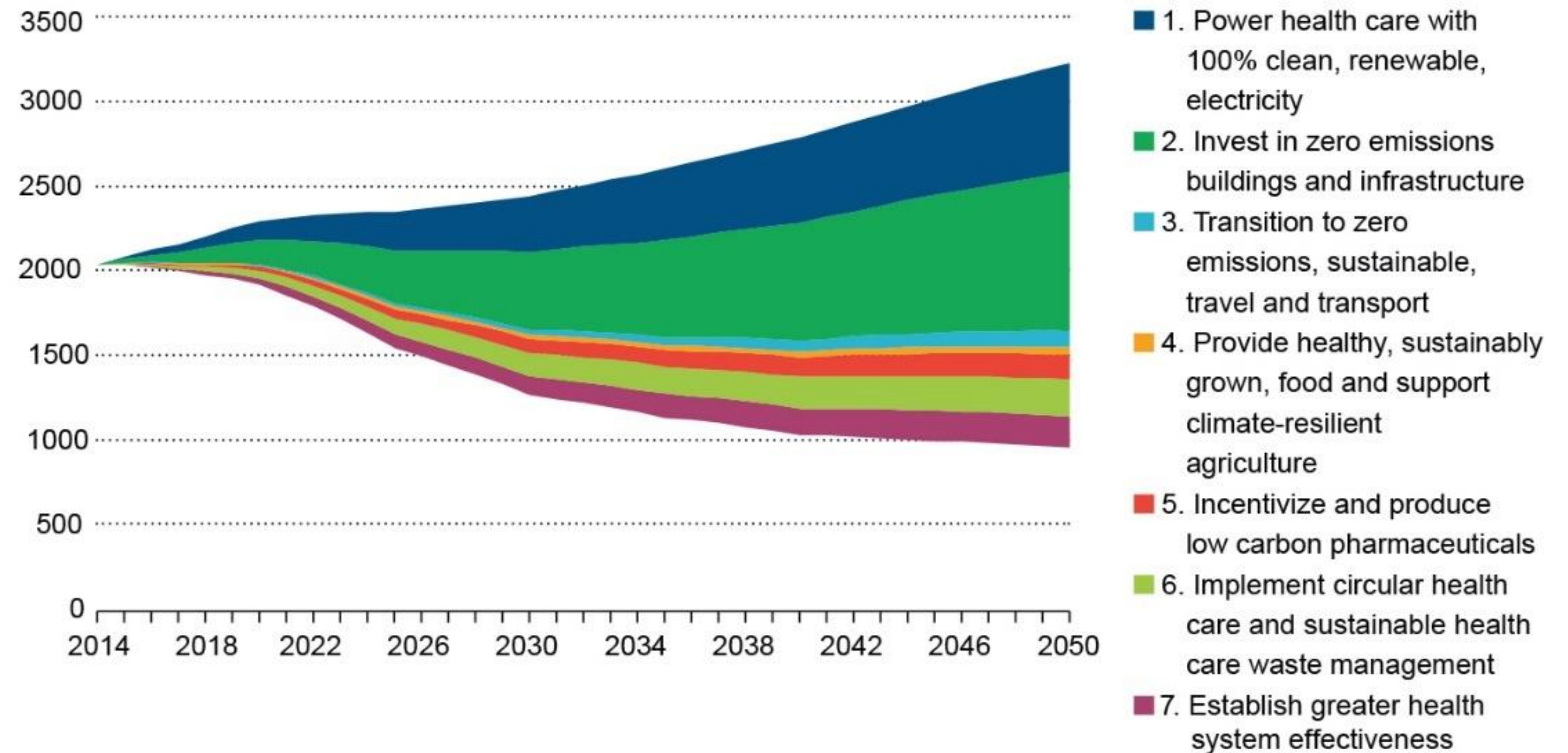
# Break it down

GGHH is based around a framework of 10 interconnected goals that guide practice.

|  |  |
|--|--|
|  <p><b>LEADERSHIP</b><br/>Prioritise environmental health as a strategic imperative</p>   |  <p><b>CHEMICALS</b><br/>Substitute harmful chemicals with safer alternatives</p>                                   |
|  <p><b>WASTE</b><br/>Reduce, treat and safely dispose of healthcare waste</p>             |  <p><b>ENERGY</b><br/>Implement energy efficiency and clean, renewable energy generation</p>                        |
|  <p><b>WATER</b><br/>Reduce hospital water consumption and supply potable water</p>     |  <p><b>TRANSPORTATION</b><br/>Improve transportation strategies for patients and staff</p>                        |
|  <p><b>FOOD</b><br/>Purchase and serve sustainably grown, healthy food</p>              |  <p><b>PHARMACEUTICALS</b><br/>Prescribe appropriately, safely manage and properly dispose of pharmaceuticals</p> |
|  <p><b>BUILDINGS</b><br/>Support green and healthy hospital design and construction</p> |  <p><b>PURCHASING</b><br/>Buy safer and more sustainable products and materials</p>                               |

## Healthcare without Harm (HCWH) Global Roadmap for Healthcare Decarbonization

7 high impact strategies.





# Break it down



**This is  
IMPOSSIBLE!!!**

## NHS targets:

- For the emissions we control directly (the NHS Carbon Footprint), we will reach net zero by 2040, with an ambition to reach an 80% reduction by 2028 to 2032
- For the emissions we can influence (our NHS Carbon Footprint Plus), we will reach net zero by 2045, with an ambition to reach an 80% reduction by 2036 to 2039.

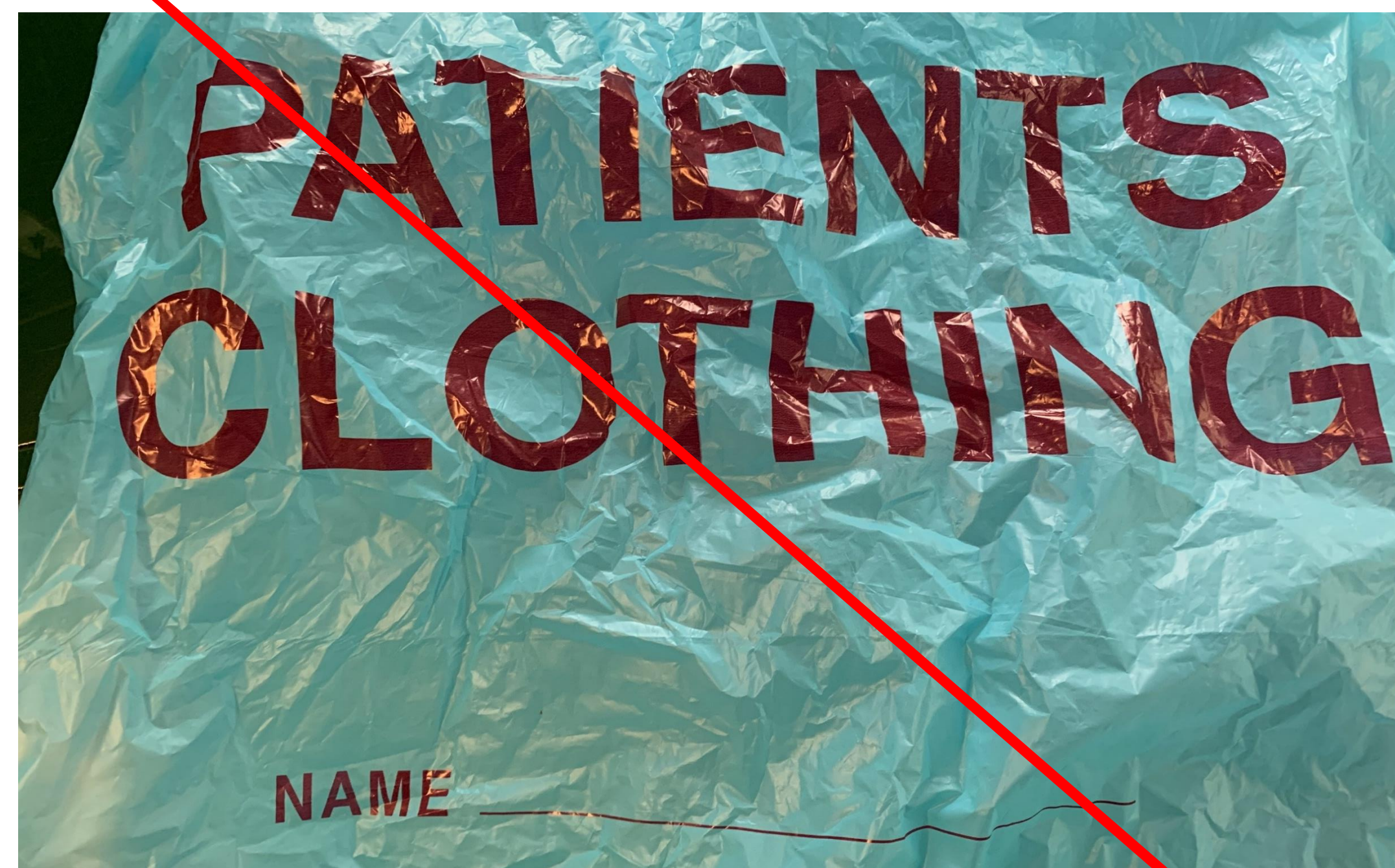


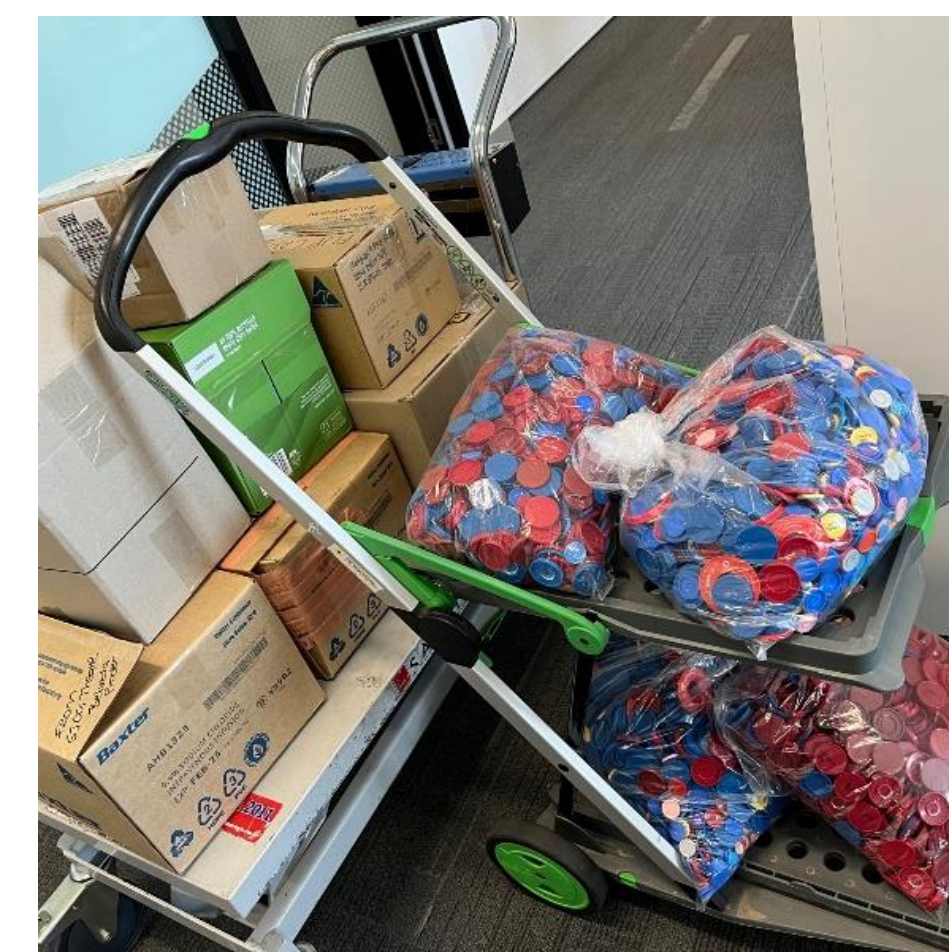
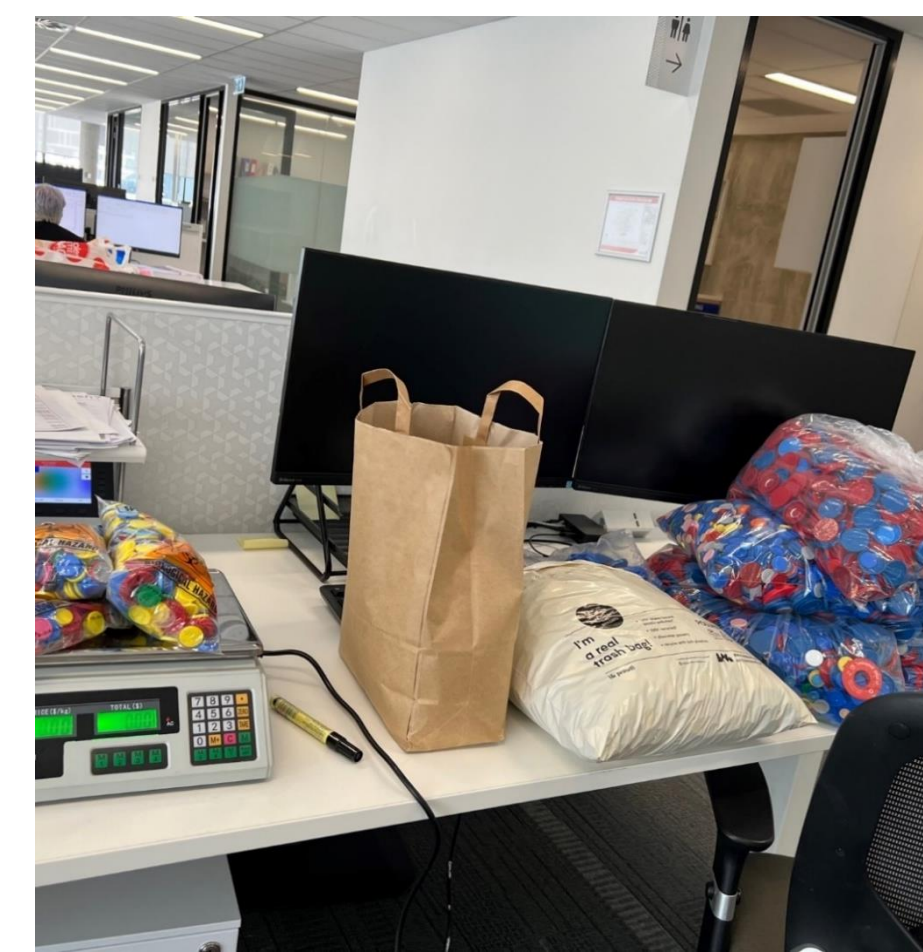
**SAVE THE DATE!**  
Friday  
3rd May,  
2024





Sustainable Quality  
Improvement -  
Emotion, Inspiration, and  
Creativity







**Potential annual savings\***

**CO<sub>2</sub>** 8,403 kg CO<sub>2</sub>e

**£** £27,831

**Social sustainability:**  
- Patients ↑ mobility/independence  
- Staff ↑ time, improved work-life balance

**Clinical outcomes:**  
- Reduced infection risk



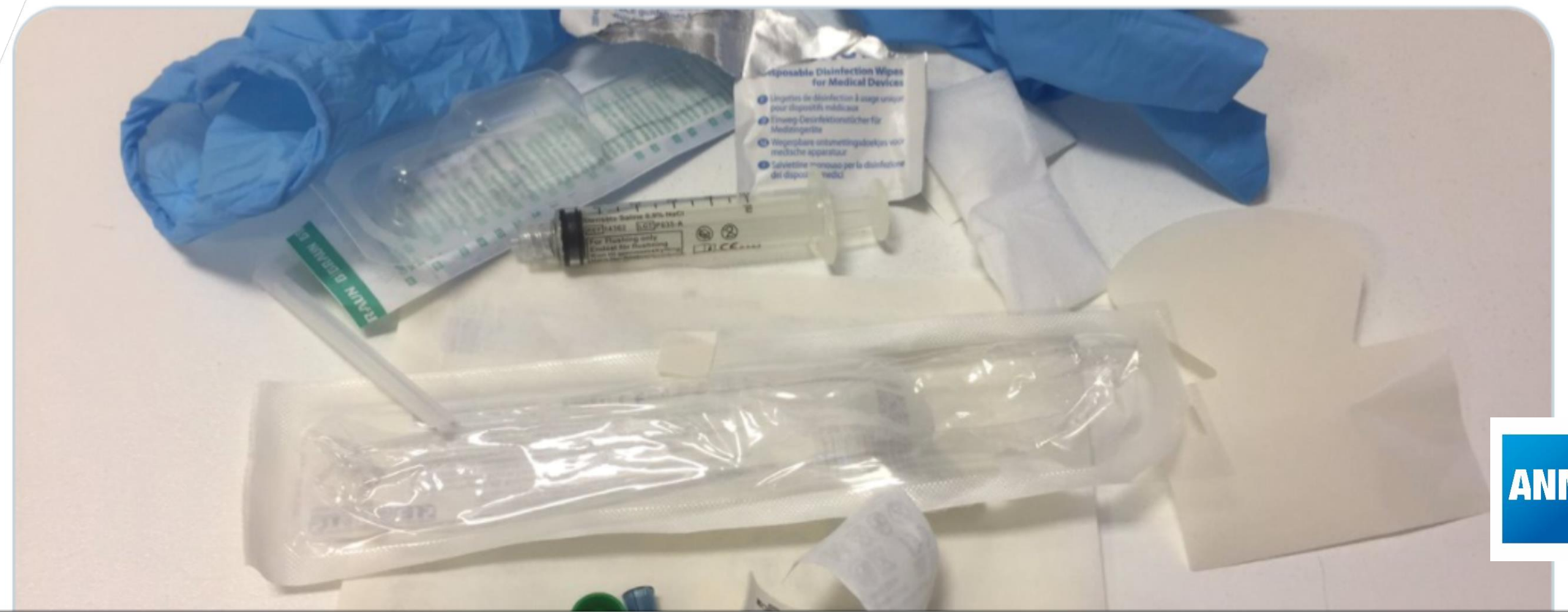
**REDUCING UNNECESSARY CANNULATION IN THE EMERGENCY DEPARTMENT**

Winners of the Royal Devon and Exeter 2018 Green Ward Competition.

**CENTRE for SUSTAINABLE HEALTHCARE**  
inspire • empower • transform



...was, there are no appropriate bins in most hospitals. We need to reduce single use plastics in healthcare [#MakeHealthcareSustainable](#)



# Consumer story



# Consumer story







# Resources

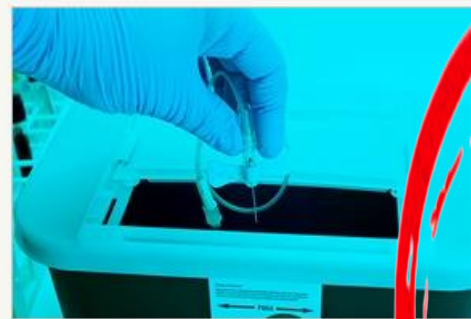
Resources:

These resources have been created to align with relevant Victorian guidance and regulation. Clinicians must consult and implement local protocol and prompt documents. Where you identify issues for address, please raise these with management.



Clinical and related waste in healthcare

HES resources



Waste segregation in healthcare

HES resources



Pharmaceutical waste in healthcare

HES resources



PVC recycling in healthcare

HES resources



Organics diversion

HES resources



Single use metal instrument recycling in healthcare

HES resources



Climate change impact on health and wellbeing

HES resources



Governance in healthcare and other resources

HES resources



A networking group to connect health professionals passionate about making real improvements to sustainability in healthcare.

Green nurses and midwives Facebook group

HES resources



Group by ANMF Vic Branch

## Green Nurses & Midwives



+ Invite

thank you so much! This page has been an epic find

CPD:NURSING FOR THE ENVIRONMENT INTENSIVE  
**Next course: June 19<sup>th</sup> 2024**  
 Online: How to start a green team



