

The Economics of Survival: Procurement

Incorporating Sustainability into the Value-Based Procurement Agenda

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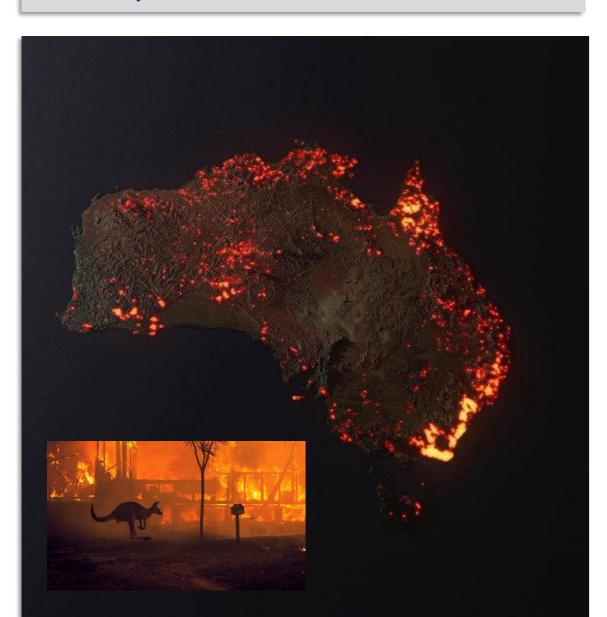


Once in a lifetime events are not once in a lifetime anymore...

We have a fiduciary obligation to act. For our children, and for the planet. The powerful role of health economics and procurement can become a enormous lever for positive change. Lets embrace this opportunity...

Sustainability is not a left or right issue: it is a long-term survival issue, an intergenerational justice and equity issue....

Inger Andersen, Under-Secretary General, UNEP



Forest fires in Australia in 2020



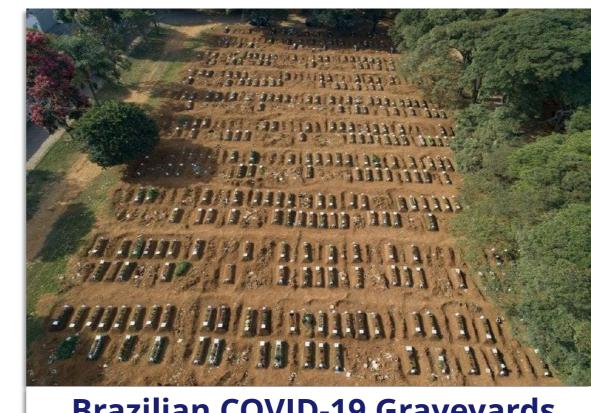
Forest fires in Canada in 2021



Dying Coral reefs



Floods in Bangladesh in 2022



Brazilian COVID-19 Graveyards



Climate migration

Healthcare systems are already stretched to a maximum. Demand is growing rapidly; chronic illness and aging populations, and now a climate crisis. Healthcare systems must also respond to unplanned emergency situations, migration crisis, and pandemics.

We are on borrowed time....

Fortunately, the knowledge and resources in this room, can support positive change.

Source: The Climate Emergency (unep.org); Alira Health research



Disclaimer



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Current:

- Chair of the HTAi Medical Device Interest Group (with support from the Hospital Based HTA Working Group)
- Vice Chair ABHI Sustainability Working Group

Past:

- 2014 2018: Chair of ISPOR Medical Device & Diagnostics Special Interest Group
- 2108 2019: Advisor EU Funded Horizon 2020 Work package COMED (Consortium for Cost & Outcomes Analysis of Medical Technologies
- 2014 2018: Chair of Evidence & Payers Working Group at MedTech Europe, and Procurement Working Group contributor
- 2014 2018: Head of Market Access & Pricing at Becton Dickinson, specializing in Medication Delivery Systems and Diabetes Care
- 2007 2013: Senior Portfolio Consultant at CIBC in Canada covering healthcare sector

5 Key Numbers to Remember: The Environment & Procurement

"....we in healthcare are indeed 'the fifth biggest country'... but also 12.5% of GDP... Add consumer healthcare, and that's another £460bn as a minimum. We also interdigitate with (rough guess) >80% of supply chains (from glass and steel for needles and syringes and buildings; cement; chemicals; electronics; refrigeration; packaging' transport; food... and more.... So we CAN change the world." Dr Hugh Montgomery, OBE



5th: The global ranking of healthcare systems in terms of carbon emission, if healthcare was a country

12.5%: Percentage of global GDP spent on healthcare

30 Million: number of people forced to flee their homes in 2020 due to climate disasters

2 times: the rate we are exceeding the 1.5°C/2.7°F limit on global warming goal 3°C/5.4°F

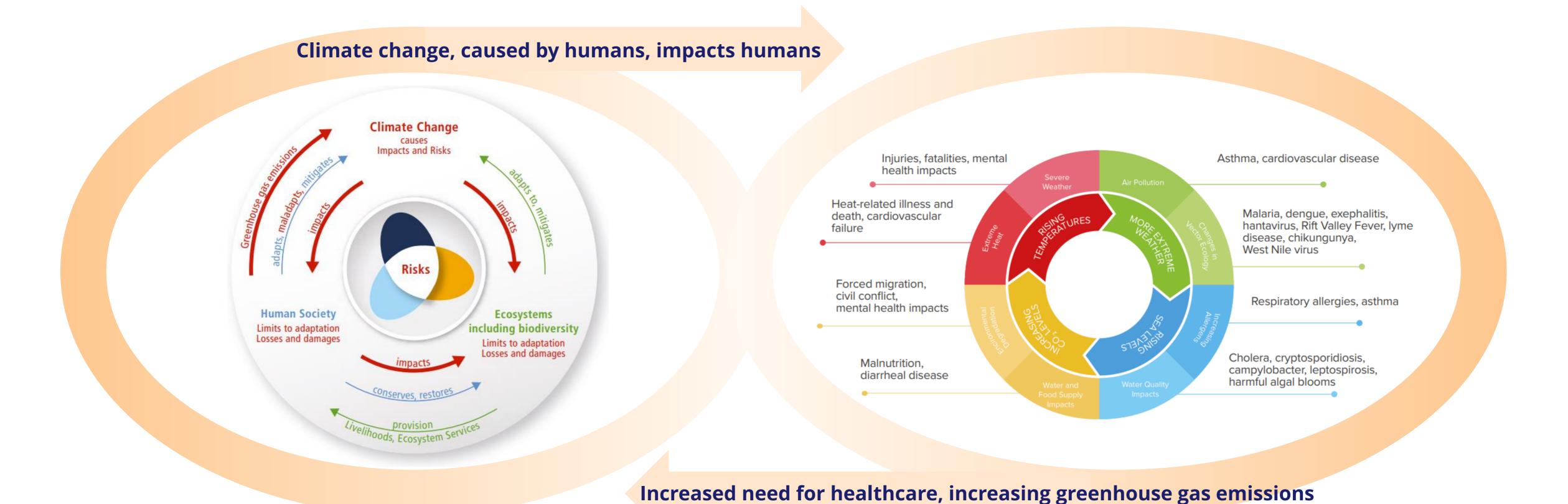
~80%: interconnectivity of healthcare with other industry supply chains

Source: UN Climate Change 5 Alarming Facts About Climate Change | UN Office for Partnerships Accessed November 2022; Alira Health analysis, Dr Hugh Montgomery, OBE



Sustainability in Healthcare. A Choice: Patient or Population Health?

Climate change is a health issue. Although there is an ethical conundrum emerging: how do you manage a technology where individual patient outcomes are improved, but Co2 emissions increase and damage population health?

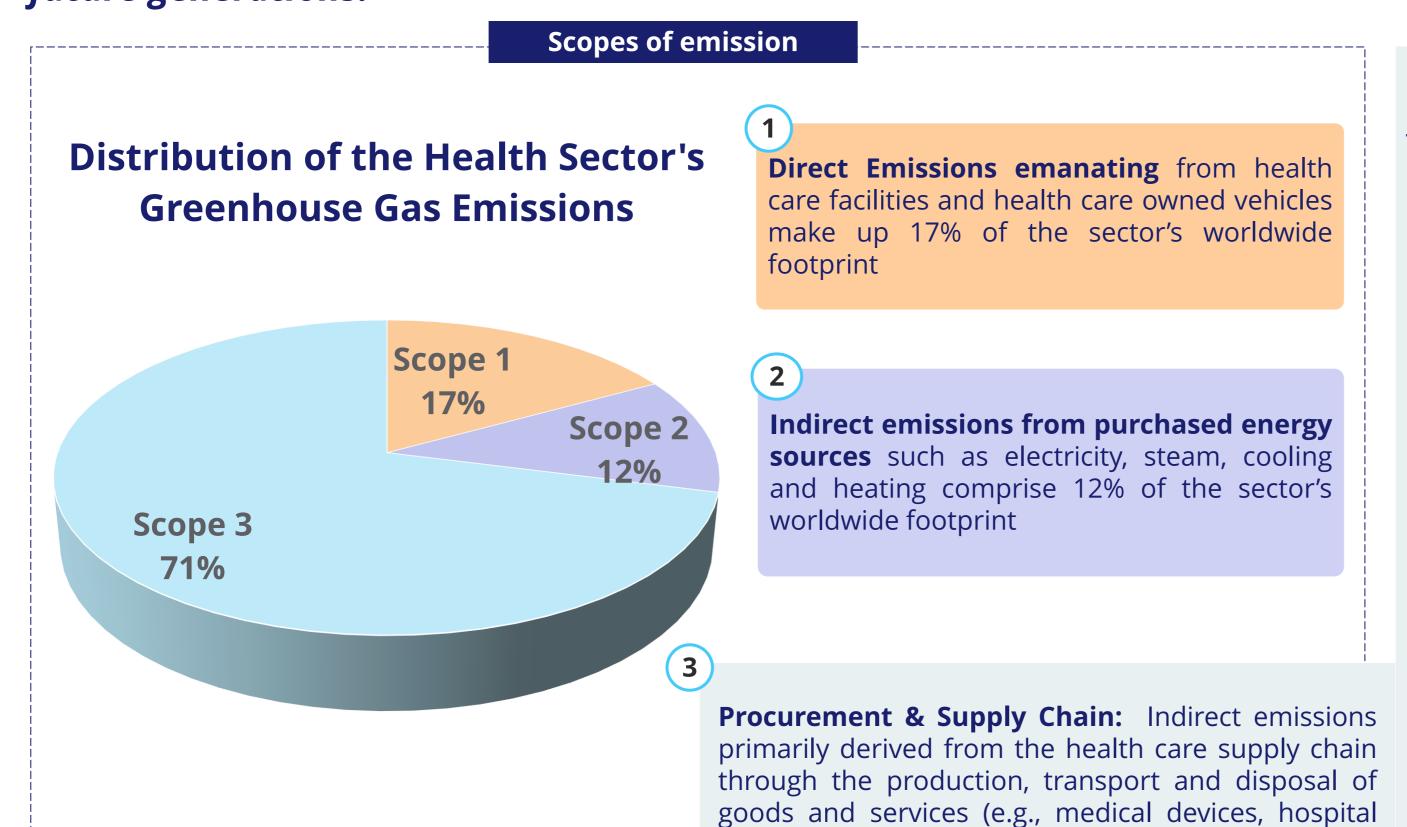


Source: 1) https://www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC_AR6_WGII_FinalDraft_FullReport.pdf, (2) https://noharm-global.org/sites/default/files/documents-files/5961/HealthCaresClimateFootprint_092319.pdf



This WILL be a 'Market Access" Issue: Scope 3 Emission strategies

Sustainable healthcare refers to a system that enhances, sustains, or restores health while avoiding adverse effects on the environment and taking advantage of opportunities to boost and repair it for the benefit of both present-day society and future generations.



footprint.

Key Categories

The Greenhouse Gas Protocol sets out an internationally recognised methodology for emissions calculation, which divides **Scope 3 emissions into 15 categories**:

- 1. Purchased goods and services,
- 2. Capital goods,
- 3. Fuel and energy-related activities,
- 4. Upstream transportation and distribution,
- 5. Waste generated in operations,
- 6. Business travel,
- 7. Employee commuting,
- 8. Upstream leased assets,
- 9. Downstream transport and distribution,
- 10. Processing of sold products,
- 11. Use of sold products,
- 12. End-of-life treatment of sold products,
- 13. Downstream leased assets,
- 14. Franchises,
- 15. Investments.

Source: 1) https://www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC_AR6_WGII_FinalDraft_FullReport.pdf, (2) https://noharm-global.org/sites/default/files/documents-files/5961/HealthCaresClimateFootprint_092319.pdf

equipment) represent 71% of the sector's worldwide

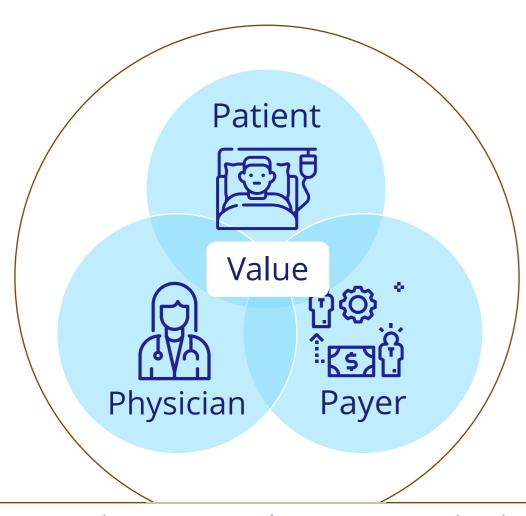


The Value Challenge: Health Economic & Environmental Policy

Healthcare has a 'value challenge': discreet stakeholders that represent those benefitting, recommending, and paying for healthcare. This is confounded by macro & population health trends. Now, there is an additional layer: net-zero plans to ensure 'Access'.

HEALTHCARE IS UNIQUE • HEALTHCARE HAS STRUCTURAL CHALLENGES • HEALTHCARE HAS A SOLUTION

The Value Challenge



Discrete decisions & value perception by the stakeholders who:

- ✓ Pay for value: payers
- ✓ Benefit from the value: patients
- ✓ **Prescribe** the value: physicians

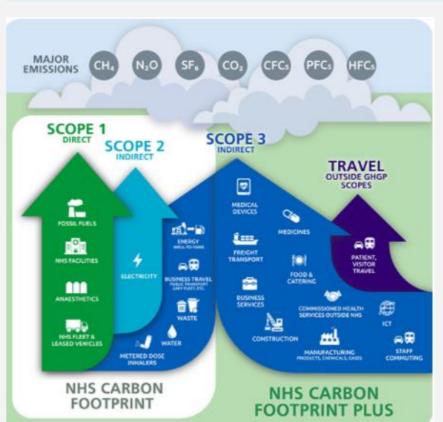
Macro economic & population health trends

- 1. Improving **population health** outcomes versus **individual** outcomes.
- 2. Paying for, and administering healthcare despite limited budgets, & rapidly growing demand
- 3. Ensuring healthcare is **equitable** to all demographics, **environmentally sustainable**, and **universal** to all.

A solution that aligns clinical & economic stakeholder perspectives in one 'language'

Sustainable Value = Health & Environmental Outcomes

Total (Financial & Environmental) Costs of Delivering Outcomes



- Within NHS England, every ICS (formerly CCG) now has a net-zero strategy.
- Procurement teams have a 10% mandate for sustainability criteria
- Other countries are following...

Source: Adapted from Porter M. Redefining Health Care. HBS Press, 2006

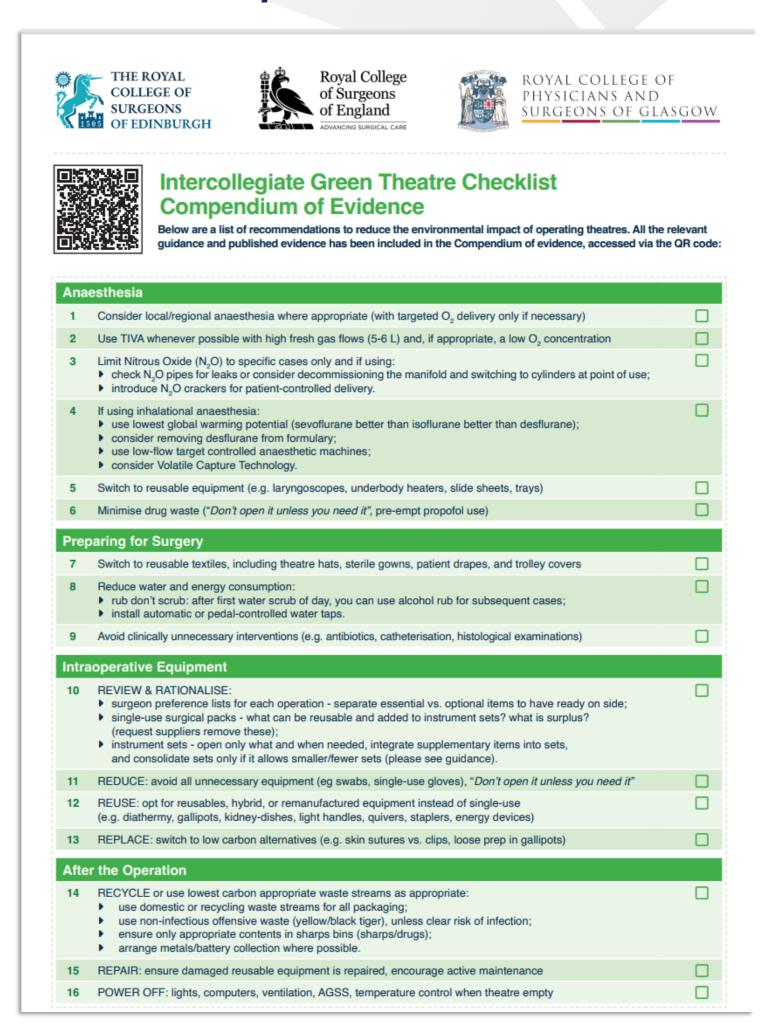


A Case Study from Australia: Dr Forbes McGain

We are seeing a rapid ground swell of clinical team enable this shift. This means procurement teams will have to follow. Clinical teams are arguably the key user of many MedTech solutions. What clinical teams do, MedTech must adapt too...











Thank You

LET'S KEEP IN TOUCH



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