



# Sustainability In Critical Care

#### **Marginal Gains with Micro Projects**

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At the heart of your care



# Net Carbon Zero by 2040...

# The NHS has committed to becoming net zero carbon emissions by 2040

- 4% of England's carbon emissions are produced by the NHS.
- Poor air quality is triggering a growing number of diseases.
- A rising cost of living and increasing mental health issues.



# **Our Responsibility**

#### • The NMC

"People involved in health and care services are increasingly concerned about the environmental impact. Factors such as air quality, weather extremes and sedentary lifestyles are increasing demand on services, and **we are all more conscious of where products come from, how they are made, and what happens to them when we have finished with them**" NMC Strategy 2020-2025

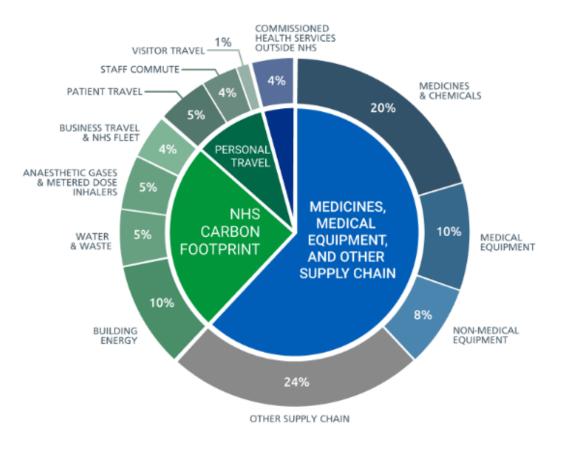
#### Nottingham University Hospitals Trust

"We need development that meets the needs of the present generations without compromising the ability of future generations to meet their own needs.".



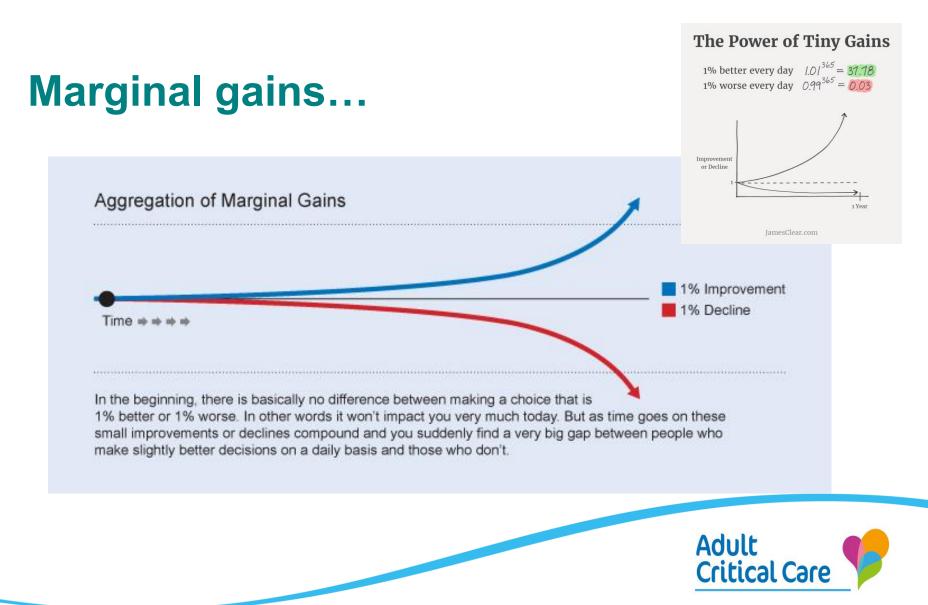
# **Our Carbon Emissions**

Figure 2: Sources of carbon emissions by proportion of NHS Carbon Footprint Plus





#### So where to start?



# The 'Bin Police'



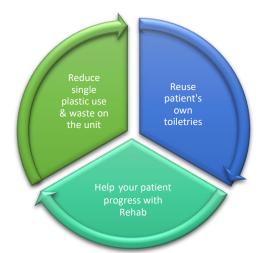
#### Reducing waste mixing saves the Trust's money







### Reduce, Reuse, Rehab & Recycle



A <u>reduction</u> of toiletries used from hospital stock minimises single-use plastic waste. <u>Reusing</u> patients own toiletries can help a patient feel more like themselves, and encourages <u>rehabilitation</u>.





# **Reducing stock waste**

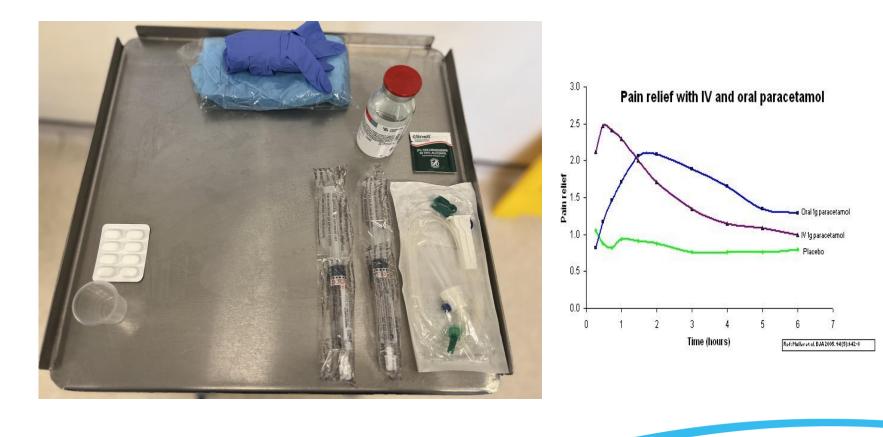








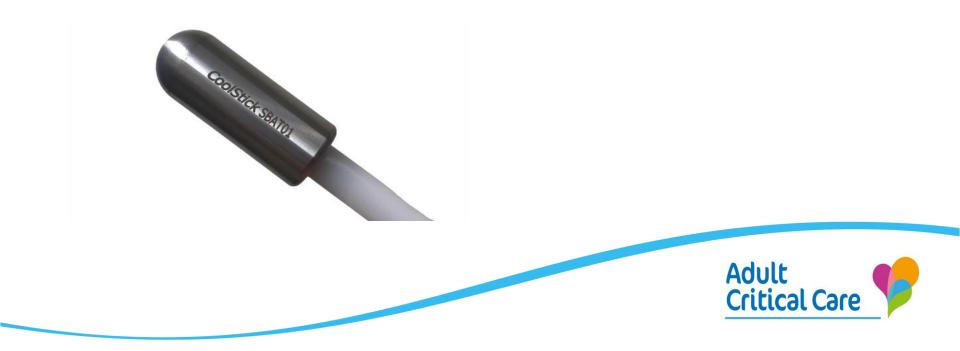
# IV vs. Oral Paracetamol





# **Cool sticks**

 Reducing the use of Ethyl Chloride local anaesthetic spray, and implementing cool sticks to assess sensory block.



# **Staff areas**

Recyclable cups

- Cutlery
- Online staff files





### The future....





# References

- Cranfield, K., Tanner, B., & Mulvihill, E. (2021) Costs, beliefs and use of intravenous versus oral paracetamol in an orthopaedic trauma unit Available at: <u>Costs, beliefs and use of intravenous versus oral paracetamol in an Orthopaedic Trauma unit (getmoodle.net)</u> (Accessed 30<sup>th</sup> March 2023).
- National Health Service (2022) Delivering a 'net zero' National Health Service [Online] Available at: <u>B1728-delivering-a-net-zero-nhs-july-2022.pdf (england.nhs.uk)</u> [Accessed 27<sup>th</sup> May 2023].

