



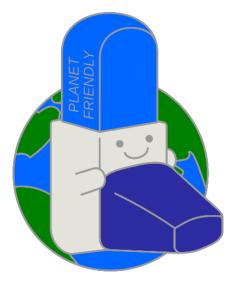






## Sustainable Respiratory Care – King's College Hospital NHS Foundation Trust

Dr Laura-Jane Smith, Consultant Respiratory Physician



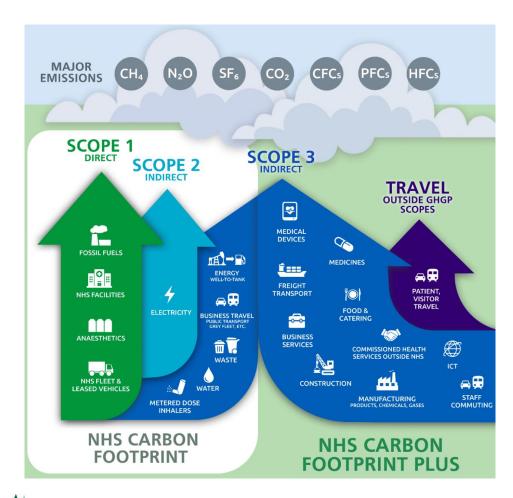
# **Quality**Improvement for our patients, people and planet

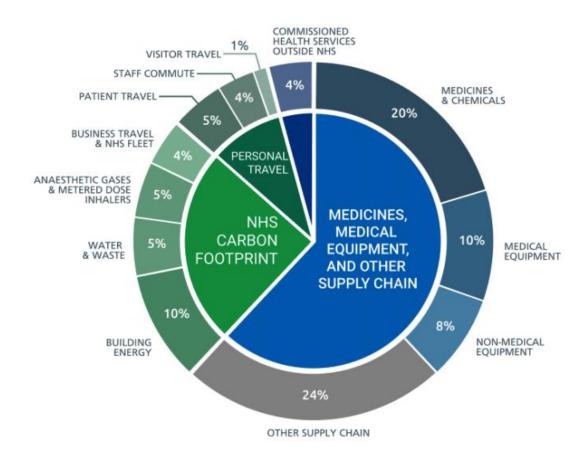
#### In partnership with:

Barking, Havering and Redbridge
University Hospitals NHS Trust
Imperial College Healthcare NHS Trust
King's College Hospital NHS Foundation Trust
Somerset NHS Foundation Trust
The Leeds Teaching Hospitals NHS Trust
Shrewsbury and Telford Hospital NHS Trust
Yeovil District Hospital NHS Foundation Trust

#### The Situation in the NHS











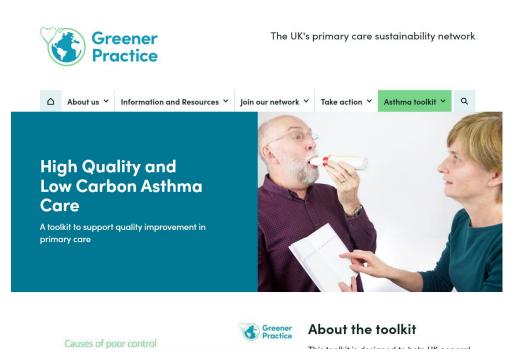


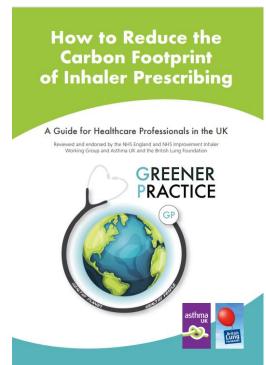


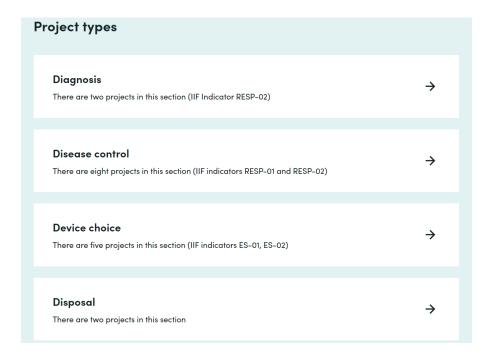


## Existing work on sustainable inhalers













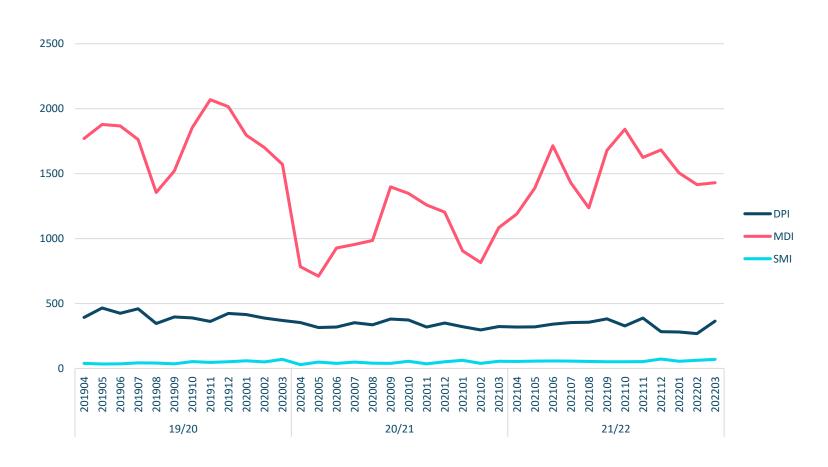






## The Situation at King's College NHS Foundation Trust





- Over the period of 19/20 to 21/22 the Trust used over 66,300 inhalers, 78% of these were MDI (51,672)
- In comparison the Trust used a total of just over 12,800
   DPIs in the same time period











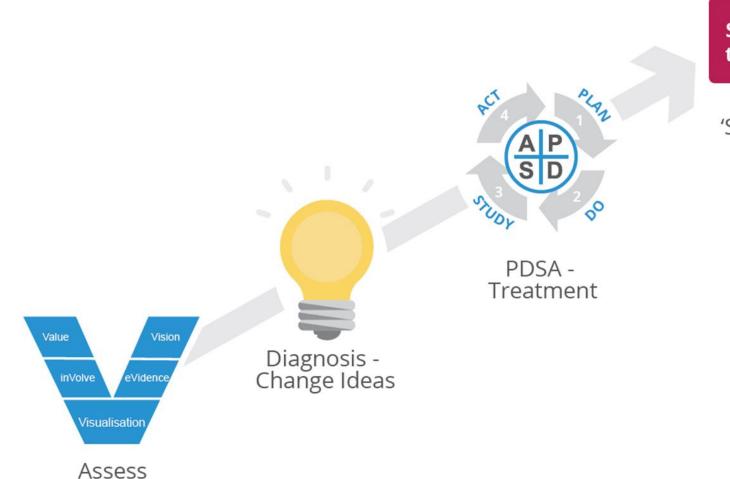
## The FCA Roadmap for Improvement

Quality

**Improvement** 

for our patients, people and planet







SDSA -'Standardise'

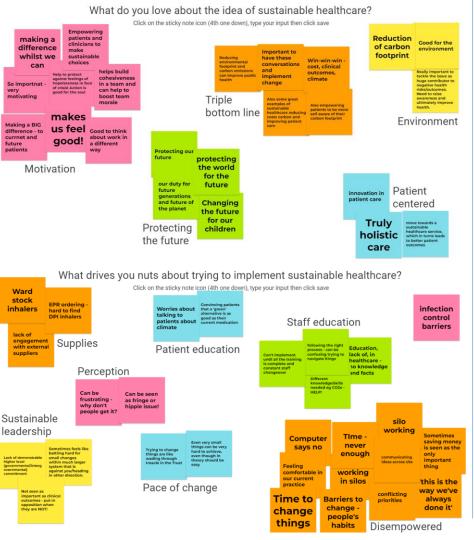






#### Define

How can we support the KCH to become more sustainable by reducing its carbon footprint to support better patient experience and care?





#### Challenges at this stage:

 multiple teams involved in inhaler prescribing/ dispensing

Recommendations to anyone looking to do something similar:

 Involve pharmacy team as well as prescribers from different areas from the start





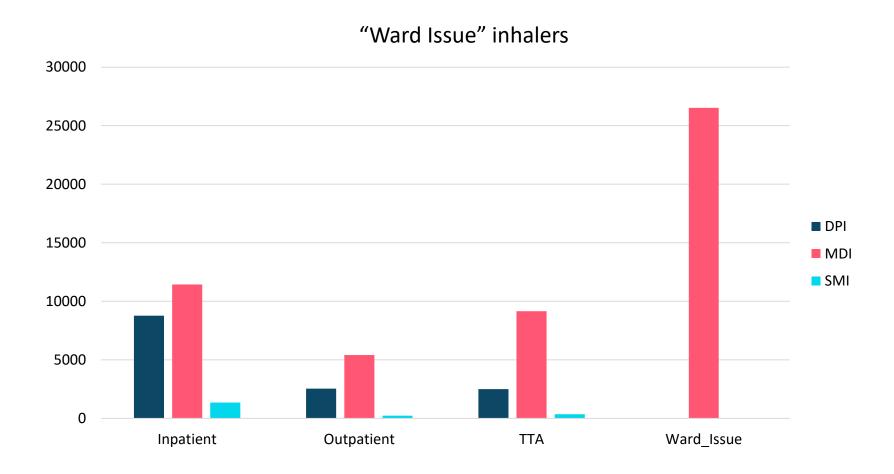






#### Describe





#### Challenges at this stage:

 Actual ward usage cannot be determined without an independent audit

Recommendations to anyone looking to do something similar:

 Understand your data and its' limitations





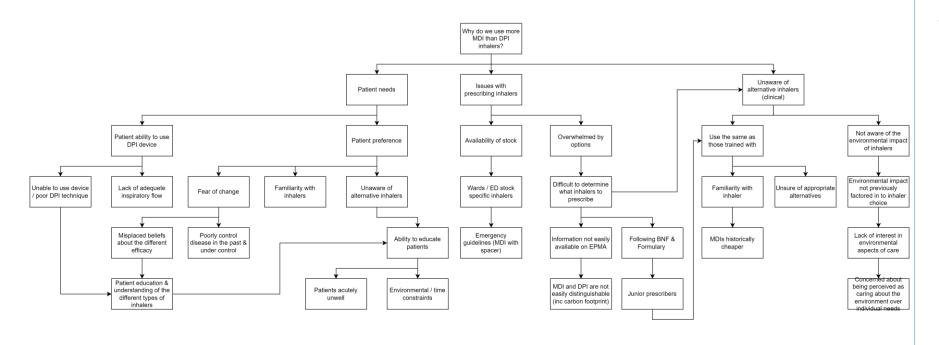






#### Describe





#### Challenges at this stage:

 Inhaler prescribing is more complex than other medications

Recommendations to anyone looking to do something similar:

 Involve multiple teams and professionals in identifying root causes





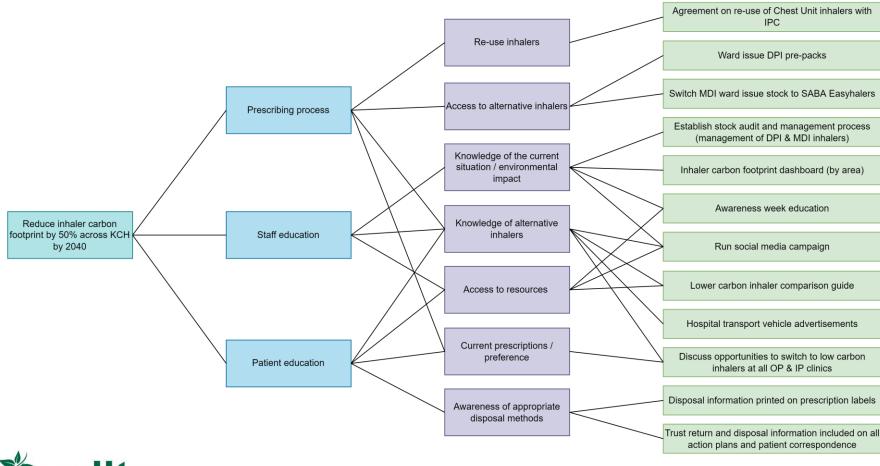






### Design





#### Challenges at this stage:

 Some interventions required input from external teams eg comms/infection control

Recommendations to anyone looking to do something similar:

 Be realistic about your capacity





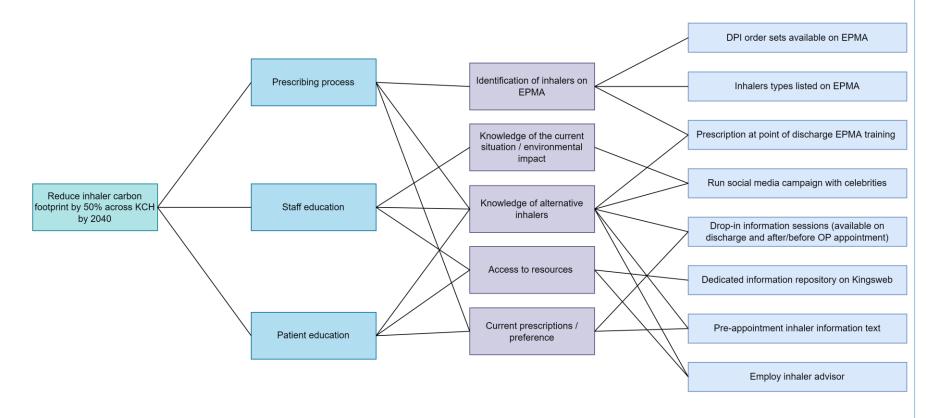






## Design





Challenges at this stage:

Lack of dedicated resource

Recommendations to anyone looking to do something similar:

 Select a strategic intervention to pursue if it will have a significant impact on your project aims











#### Deliver

#### SABA

Low carbon - use first line if no contraindication:

Salbutamol Easyhaler 100mcg/dose

Ventolin Accuhaler 200mcg/dose

Bricanyl Turbohaler 500mcg/dose

Higher carbon - use if lower carbon alternative not appropriate

Salamol Easibreathe 100mcg/dose

#### ICS/LABA

Low carbon - use first line if no contraindication:

- ☐ Fostair Nexthaler 100mcg/6mcg
- Symbicort Turbohaler 100mcg/6mcg
- Relvar Ellipta 92mcg/22mcg

Higher carbon – use if lower carbon alternative not appropriate

Fostair MDI 100mcg/6mcg

Very high carbon - avoid unless no alternative available

☐ Flutiform 125mcg/5mcg

Do not put into household waste

Please return to your local pharmacy for disposal



#### Challenges at this stage:

 Other work prioritised ahead of green initiatives

Recommendations to anyone looking to do something similar:

be persistent





Promoting Respiratory health via



Getting the most out of your inhalers

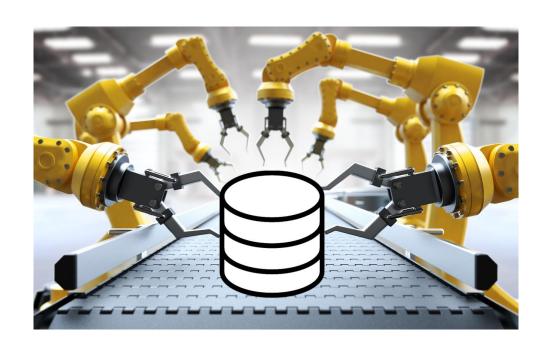




## Next steps







Quality
Improvement
for our patients, people and planet









#### Lessons Learned



- 1. Understanding a complex process through QI methodology opens doors to action
- 2. A multi-professional team is essential to both identify and solve barriers to change
- 3. Prescribing behaviour is slow to change but consistent messaging is essential and pays off
- 4. It is vital to align the narratives of best clinical care with most sustainable care
- 5. The biggest wins may come from unexpected places













## Thank you!

## Any Questions?

