

### Overview

2

#### Introduction

• 15 min

#### **Focussed Topics & Interventions**

• 15 min

### **Discussion Opportunity**

• 25 min

1

Coroner says failure to reduce pollution levels to legal limits was factor in death of Ella Kissi-Debrah, who had severe asthma

coroner rules in landmark case

Air pollution a cause in girl's death,



Dec 2020 – "For the first time in the UK - and possibly the world - air pollution has

been recognised as a cause of a person's death"

3

5

• Unequal distribution of environmental benefits and risks across society means that socially disadvantaged groups are disproportionately exposed to poorer environmental conditions (locally and globally)

• 23% of black, Asian or minority ethnic adults have no access to a garden\*

• Communities with 40% or more BAME residents have access to 11 times fewer green spaces locally than those comprising of mainly white residents\*

Burley in Wharfedale

4

6



Royal College of General Practitioners

Health Care
Without Harm

AMPLIANDE HEALTH OF PUBLIC HEALTH

DECLARES

PHARMACY

DECLARES

PHARMACY

DECLARES

PHARMACY

CENTRE for SUSTAINABLE
HEALTH OF PUBLIC HEALTH

The Royal College of Emergency Medicine

CLARES

PHARMACY

DECLARES

PHARMACY

ROYAL

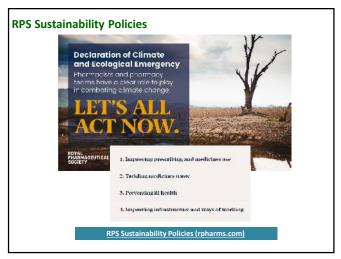
PHARMACY ASSOCIATION

ROYAL

PHARMACEUTICAL PHARMACY ASSOCIATION

ROYAL

PHARMACEUTICAL SOCIETY



**NHS Net Zero** In Oct 2020 the NHS became the world's first health system to commit to reaching net zero carbon with two targets **Carbon Footprint:** for the emissions we control directly, net zero by 2040. The NHS Carbon Footprint Plus: influence, net zero by 2045. MEDICAL Medicines account for 25% of NHS carbon footprint MDIs alone are 3% of health and care carbon footprint HEALTHIER PLANET HEALTHIER PEOPLE

7 8



We can all help in some way....big or small

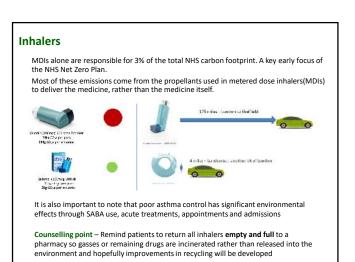
Everyday is an opportunity.....

But the time to act is now

Image https://www.storyofstuff.o

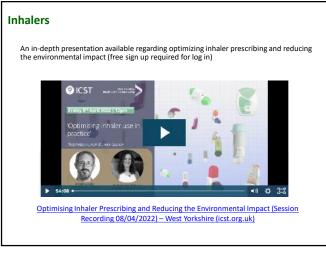
10

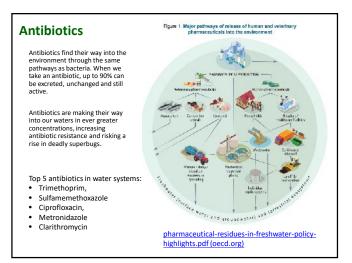
9





11





14 13

### **Antibiotics - Potential interventions**

Antimicrobial stewardship is key in reducing the environmental effects

- Reduces overuse and therefore amount entering the environment.
- IV to oral switches when recommended
  - (lower consumables needed for administration)



Champion antibiotic stewardship

Consider audits, awareness and feedback to prescribers

Ensure all antibiotics are returned to pharmacies if not needed. Don't flush medicines down the toilet, put in the bin or pour part bottles of liquids down the sink

A high amount of antibiotic use relates to veterinary use such as animal agriculture

(Varies by country and farming practices)

Food choices are an important part of reducing antimicrobial exposure to the environment.

## Overprescribing, De-prescribing & Wastage

Good for you, good for us, good for everybody report

It has been estimated that

- at least 10% of the current volume of medicines of the volume of medicines may be overprescribed.
- Between 30% and 50% of medicines prescribed for long-term conditions are not taken as intended
- medicines worth over £350 million are wasted each year. (Wasted environmental impact not known!)



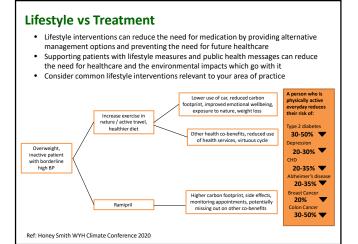
Each medication review, supply and medicines reconciliation is an opportunity for open patient centred discussions about a person medications including those that may be inappropriate or not taken

What matters most to the patient?

Do you feel comfortable asking an open question to the patient regarding non adherence whether intentional or not.

15

# 16





18 17



Unfortunately recycling opportunities remain limited currently.

Schemes are in pilot or have very limited access so all pharmacies unable to participate

e.g. blister pack recycling and inhaler recycling





Recent inhaler recycling examples: TEVA/Terracycle and Chiesi TakeAIR pilot (Leicester) Patient Counselling Points: Pen-Cycle Every year in the UK, these pens are among 23 million medical pens that end up incinerated or sent to landfill as, until now, there has not been a viable recycling alternative. This is not sustainable. PenCycle Westernet Although we are not in a pilot area for pharmacy participation patients can sign up as individuals on the Your pre-filled website and use a free-post Novo Nordisk pens return system to the can now be recycled! company Home | PenCycle (pen-cycle.co.uk) ĴÐ.

19 20



The pharmacy department has a "Green Group"

The lead of the group has also built up links with the trust Sustainability Lead.

The group act upon department ideas to reduce the environmental impact of pharmacy e.g.



Plastic Bags being switched to paper bags Reducing orders for paper BNFs



Audits of duplicate inhaler supplies during admissions to reduce

Where suitable using split box original packaging instead of always packing into fresh boxes to reduce



A whole team approach showing lots of individual changes add up

**Summary** 

#### The environment is a personal and clinical topic

Pharmacy is key in reducing the environmental impact of healthcare Will become a core part of pharmacy

#### Think about win-wins

How does this fit into other objectives? Remember SusQI principles

Why does the environment matter to you?







What ONE thing will you commit to doing differently after today?

21

#### Discussion

Is this something you are aware of within your pharmacy team?

Can you share any examples of things you are doing or have done?

What ideas do you have going forward?

Are there any barriers which are preventing your pharmacy being more sustainable?

What would you ask to be changed to allow you to be more sustainable?

**Useful Links** 

- earning and Webinars

  e learning: "Buildings anet zero NHS module" available via ESR or <u>e-lift Hub</u>

  Learn at lunch Climate Change Webinars. Series of talks on various topics webinar 1 is a useful starter. <u>West Vorkshire and Ha</u>

  <u>Partnership:: Climate Change Events including Lunch and Learn Neypartnership: co. uki, Yhou tube recording link at top of page)</u>

  Parmarcy Dedares Virtual Conference 2021 Recordings, includes inhaler and anaesthesis topics: "Palmarcy Dedares"- Palmarcy Dedares. "Palmarcy Dedares"- Palmarcy Dedares. "Palmarcy Dedares." Palmarcy Dedares. "Voluble

  BMA webinar-specific to medicines and the environment How can medical leaders manage the environmental impact of the
  <u>gresschips?" Pour Unibe</u>

- Pharmacy Declares website plus on contact page can ask to join the telegrating output community of the professionals 
  Greener NHS Delivering a net zero NHS (england.nhs.uk) Main source for info on Greener NHS activity 
  Greener NHS Community member space FutureNHS Collaboration Platform (fire sign up required) Official greener NHS community 
  for people interested and wanting to contribute to promoting this agenda. Includes message groups and useful resources for 
  promotion.

  Centre for Sustainable Healthcare | Useful for resources and training on general aspects of healthcare and sustainability 
  Greener Practice GP led group, Resources available on website and multiple Whatshpp groups which can be joined. Mainly GPs but 
  some pharmacists also in groups 
  Sustainability ( RPS (rpharms.com) RPS sustainability information and declaration 
  YSAS Vorlshire Green Anaesthesia Society Has some resources and promoting this agenda locally anaesthetist led group

24

- oliusty Ancicles

  Green Imaget for Health Toolkit Toolkit for general practice outlining interventions to improve environmental impact (includes a pharmacy specific section)

  Home The Pharmaceutical Journal (pharmaceutical-journal.com) Various recent articles (see pharmacy declares website for direct links)

23



22