

WORLD ANTIBIOTIC AWARENESS WEEK 2024

18th - 24th November



Antimicrobial Resistance & the Environment: a One Health Approach in West Yorkshire ICB

Did you know?

AMR can develop without antimicrobials present. Resistance can arise from exposure to fungicides, antivirals, parasiticides, and disinfectants released into the environment through human activity, poor sanitation, or contaminated land and water.


Antimicrobial Pollution

Pollution from households, hospitals, agricultural & pharmaceutical manufacturing disrupts the microbial composition of our environment affecting biodiversity and ecosystem services.

Antibiotics & Carbon Footprint

Oral antibiotics have a significantly smaller impact on the environment in comparison to IV formulations. If your patient is **A**febrile, **C**linically Improving, **E**ating & Drinking, & not **D**eep-seated infection - SWITCH!

ADMINISTRATION OF IV ANTIBIOTICS HAS A GREATER CARBON FOOTPRINT THAN ORALS
Syringes, giving sets, WFI etc.

IV ANTIBIOTICS WEIGH MORE THAN ORAL FORMULATIONS ASSOCIATED TRANSPORT CO₂ IS GREATER 

Don't contribute to pharmaceutical pollution – dispose of unused or expired antibiotics correctly

#AntibioticGuardian
#KeepAntibioticsWorking

Please abstain – antibiotic liquids don't go down the drain

#AntibioticGuardian
#KeepAntibioticsWorking

Fact!

Ciprofloxacin and clarithromycin levels in two UK National Parks have exceeded safe limits for promoting AMR in microorganisms. Since these parks are popular for freshwater recreation, activities like swimming may expose humans to water contaminated with resistant bacteria.

[Pharmaceutical Pollution of the English National Parks](#)

AMR & the Environment – How can I help?

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Climate Change

Infections are climate-sensitive. Changes in environmental conditions & temperature may lead to an increase in the spread of many bacterial, viral, parasitic, fungal and vector-borne diseases in humans, animals and plants: many with increasing resistance to antimicrobials

Help reduce your antibiotic footprint!

Misuse and overuse of antibiotics are often overlooked in the fight against superbugs. AntibioticFootprint.net offers an interactive guide and a calculator to help you understand how your medicine and meat consumption contribute to your personal and global antibiotic footprint



REDUCE ENVIRONMENTAL IMPACTS OF HEALTHCARE

- ✓ Prevention is safer than the cure - reducing infections prevents the impact of treating them
- ✓ Protect your Environment by Preventing Infection. Say No to Inappropriate Glove use & Wash Your Hands!
- ✓ Don't prescribe antibiotics for convenience – less is More!
- ✓ Protect our oceans and waterways – ask your patients to dispose of antibiotics correctly

Make a “All Hands In” pledge [here](#)

What action will you take to live and work more sustainably?
Remember even small changes can add up to make a big impact.



**BECOME AN
ANTIBIOTIC GUARDIAN**

Keep Antibiotics Working

**Click [here](#) to
make your
pledge today!**