



Animal &  
Plant Health  
Agency



Veterinary  
Medicines  
Directorate



Centre for Environment  
Fisheries & Aquaculture  
Science

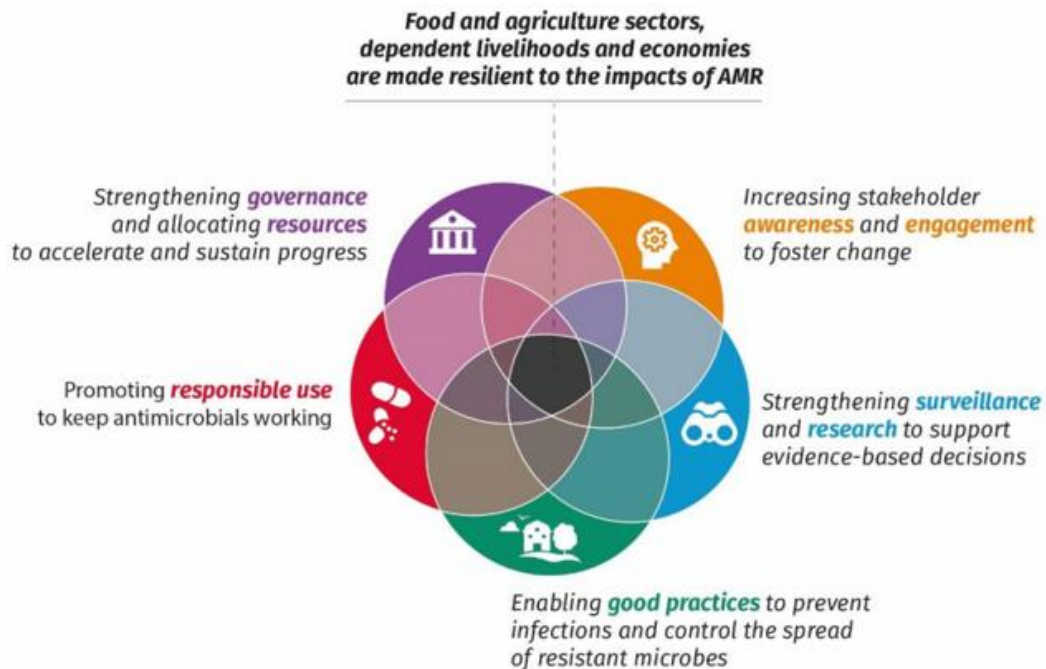
# Introduction to Antimicrobial Resistance (AMR)

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# Background and Context



- UK FAO Reference Centre for AMR
- Recognised expertise on AMR across the *UK Department for Environment, Food and Rural Affairs*
- Designation by the FAO
- Support to deliver the commitments of the FAO Action Plan

# Veterinary Medicines Directorate

Broadly, promote animal health and welfare by ensuring the **safety, quality and efficacy** of veterinary medicines

As the policy lead for antimicrobial resistance in animal health, VMD provides policy advice on AMR issues in addition to technical expertise to support the implementation of the UK Five year **National** Action Plan

Lead on compiling the **Veterinary Antimicrobial Resistance and Surveillance Sales (VARSS) Report**



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## Tackling antimicrobial resistance 2019–2024

The UK's five-year national action plan

Published 24 January 2019

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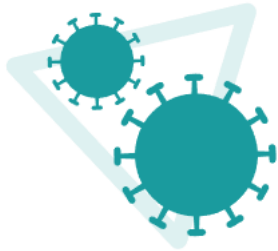
# Webinar Aims

What is an antimicrobial?

What are they used for?

What is antimicrobial resistance?

# What is an antimicrobial?



Any substance that is able to stop the growth of or kill **microorganisms**

**Microorganisms** include bacteria, viruses, fungi and protozoan parasites, all of which can cause infectious diseases



The term “**antimicrobial**” includes antibiotic, antiviral, antifungal and antiparasitic medications

# What are antimicrobials used for?

## Veterinary Medical Use

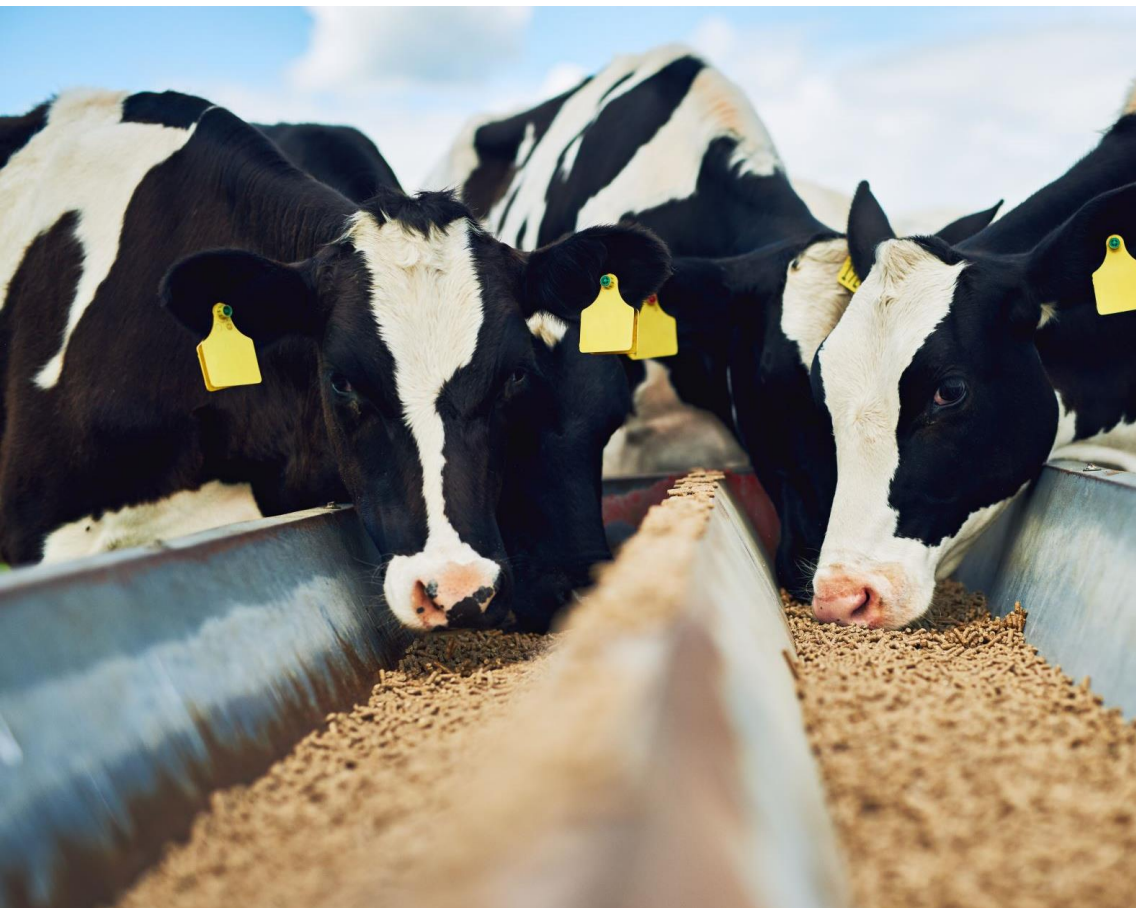
including:

- Treatment
- Control
- Prevent..

..infectious diseases in an individual animal or groups of animals



# What are antimicrobials used for?



## Growth promotion

- Non-medical use
- Administration for purposes other than infection control, prevention and treatment

# What is Antimicrobial Resistance?



The ability of microorganisms to persist or grow in the presence of substances designed to inhibit them  
**(antimicrobials)**





# In Summary

## What is an antimicrobial?

- Substances that prevent the growth or kill microorganisms. These can be medicines that are used to treat infectious diseases caused by microorganisms including bacteria, viruses, fungi and parasites

## What are antimicrobials used for?

- One use of antimicrobials is usually for the prevention, control and treatment of disease in individual or groups of animals

## What is antimicrobial resistance?

- The ability of microorganisms to persist or grow in the presence of substances designed to inhibit them

# Thank you