

WHAT IS ANTIMICROBIAL RESISTANCE (AMR)

AMR is the process of microorganisms becoming resistant to antibiotic treatment.



AMR has a serious impact on human and animal health.

Cause Of Antimicrobial Resistance



Overprescribing antibiotics



Not determining the underlying cause



Lack of hygiene and pure sanitation



Using antibiotics for viral infection

Appropriate Practice Activities



Prescribing and antimicrobial susceptibility testing



Need for treatment/ metaphylaxis



Not using antimicrobials for routine prophylaxis



First choice/ narrow spectrum antimicrobials

AMR – Important for the ‘One Health’ Approach



AMR knows no geographic or human/ animal boundaries. The misuse of antibiotics reduces the effectiveness of human and animal treatments. Causes of economic losses.

AMR's cost – economically significant



1.5 billion Euros loss per year in health and production



The second largest cause of human death in the **world** is bacterial infections



33,000 deaths per year in the EU



It is estimated that by **2050** AMR will cause more deaths than cancer

Measures To Be Taken

➤ Preventing disease

➤ Keeping treatment records

➤ Preferring alternative treatments over antimicrobials

➤ Good hygiene and sanitation practices

➤ Appropriate use of antimicrobials

➤ Providing education on the misuse of antibiotics

Veterinary Medicinal Products – Combating Antimicrobial Resistance



Prescribing and antimicrobial susceptibility testing



Prohibition of preventive use



Use of the pharmacovigilance system to obtain information and feedback



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