

ANTIMICROBIAL RESISTANCE

Combating a serious threat to public and animal health



25,000

people die each year

in the EU from infections caused by bacteria resistant to antimicrobials



Antimicrobials are medicines that destroy or inactivate microbes, including bacteria

The best known antimicrobials are **antibiotics** that are used to treat infections caused by bacteria

Bacteria evolve and can **become resistant** to existing antibiotics

If we do not use the antibiotics we have prudently and develop new treatments, common infections could turn deadly again

EMA's response to protect patients

 **Speed up development** of new treatments



Provide a faster route to develop new treatments against multi-drug resistant bacteria



Encourage new approaches like use of bacteriophages (viruses that kill bacteria)



Bring experts together to explore new and better treatments



Shape strategies for prudent use of available antibiotics



Promote responsible use



Inform doctors, pharmacists, vets, patients and farmers



Advise policymakers on antibiotic use and resistance



Survey sales of veterinary antibiotics across Europe



Analyse data on use of antibiotics in humans and animals and links to resistance



Collect data to guide policy and research

The European Medicines Agency (EMA) is an EU Agency that provides independent, science-based recommendations on the quality, safety and efficacy of medicines to protect human and animal health.

For more information
www.ema.europa.eu

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