



EU actions on Antimicrobial Resistance

*'Responsible Use of Antibiotics in
Europe: Putting our best foot forward
for One Health'*

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Unit A1 – Antimicrobial Resistance, Human nutrition

Antimicrobial Resistance (AMR)

- AMR has a **direct impact on human and animal health** and carries a heavy **economic burden** due to higher costs of treatments and reduced productivity caused by sickness
- AMR is responsible for an estimated **33,000 deaths per year in the EU**
- AMR costs the EU **€1.5 billion per year in healthcare costs and productivity losses**

European response to AMR



Antimicrobial resistance is a priority for the Commission

*“Many of today’s epidemics are linked to the rise or return of highly infectious diseases. I want you to focus on **the full implementation of the European One Health Action Plan against Antimicrobial Resistance** and work with our international partners to advocate for a **global agreement on the use of and access to antimicrobials.**”*

Mission letter from President von der Leyen to **Stella Kyriakides**, Commissioner for Health and Food Safety

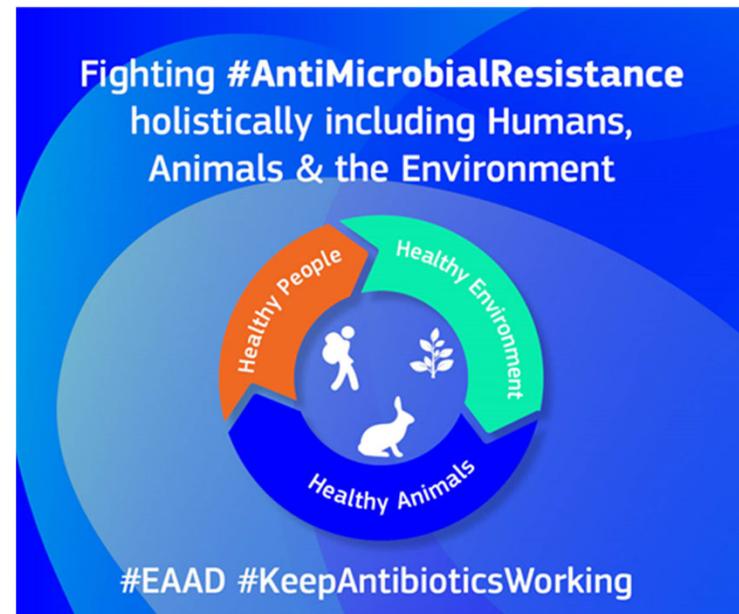
European response to AMR



- 2001 Community Strategy against AMR
- 2011-2016 Commission action plan
- 2017 EU One Health Action Plan against AMR
- Since 2017, many new policy developments to further strengthen the EU's response to AMR such as:
 - New veterinary medicinal products and medicated feed Regulations
 - Strategic Approach to Pharmaceuticals in the Environment
 - Farm to Fork Strategy
 - EU4Health programme
 - Horizon Europe research programme
 - Pharmaceutical Strategy for Europe
 - Creation of the Health Emergency Preparedness and Response Authority (HERA)
 - (...)

One Health approach to AMR

- The One Health concept recognizes that the human health is tightly connected to the health of animals, plants and the environment
- Efforts by only one sector cannot prevent or eliminate the problem
- More than a concept, One Health is now an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors work together to achieve better public health outcomes



EU One Health Action Plan against AMR



9 Commission Directorate-General involved



75 concrete actions with an EU added value across the environment, plant, animal and human health sectors



Brings more coherence and synergies between different EU policies



Support Member States in their efforts in combatting AMR



EU and global dimension



EU One Health Action Plan against AMR



MAKING THE EU A BEST PRACTICE REGION ON AMR

- Better evidence and awareness
- Better coordination and implementation of EU rules
- Better prevention and control
- Better addressing the role of the environment
- A stronger partnership against AMR and better availability of antimicrobials



BOOSTING RESEARCH, DEVELOPMENT AND INNOVATION ON AMR

- New economic models & incentives
- Better detection and control measures
- New antimicrobials, rapid diagnostic tests, vaccines & alternative therapies
- AMR in the environment



SHAPING THE GLOBAL AGENDA ON AMR

- Stronger EU global presence, partnering
- Stronger bilateral partnership for stronger cooperation
- Cooperating with developing countries
- Developing a global research agenda

EU One Health Action Plan against AMR

The prudent use of antimicrobials is a core tenet of the fight against AMR, together with infection prevention and control

Examples of deliverables:

- AMR One Health Network
- EU guidelines for the prudent use of antimicrobials in human medicine (2017)
 - target all actors who are responsible for, or play a role in, antimicrobial use and whose contribution is necessary to ensure that antimicrobials are used appropriately
 - to support the wider uptake of these Guidelines by health professionals across the EU, a EUR 2 million project was co-funded by the 3rd Health Programme ([Happy Patient](#))
- [European Antibiotic Awareness Day](#)
- Antimicrobial stewardship actions under [EU-JAMRAI](#) (2017-2021)
- New joint action under EU4Health programme (budget of EUR 50 million)
- One Health training programmes on AMR ([BTSE](#)) for both EU and non-EU countries
- International cooperation (G7/G20, work with international organisations, [TATFAR](#))



Next steps

AMR to be further addressed in *e.g.*:

- Revision of EU pharmaceutical legislation
- Proposal for a Council Recommendation on AMR
 - Extend and complement the 2017 EU One Health Action Plan against AMR in all three dimensions of the One Health spectrum by providing recommendations to the Commission and to Member States in order to maximize synergies and to attain a strong and effective response against AMR across the EU.
 - Focus on human health
 - Objectives and activities to strengthen Member States' actions against AMR
 - EU involvement in global initiatives against AMR
- Potential AMR chapter under future international agreement on pandemic prevention, preparedness and response



Thank you



https://ec.europa.eu/info/departments/health-and-food-safety_en



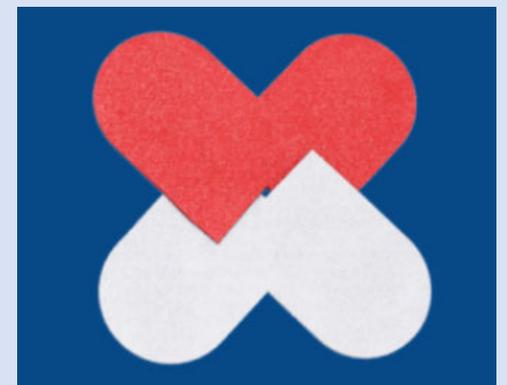
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Antimicrobial Resistance Symbol from EU-supported JAMRAI

