



EU Strategy to combat the rising threats from Antimicrobial Resistance — Veterinary and Food Safety Aspects

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European
Commission



European Commission



Directorate-General for
Health & Consumers

Communication from the Commission to the European Parliament and the Council

Action plan against the rising threats from Antimicrobial
Resistance

COM (2011) 748



AMR a public health priority!

COM (2011) 748 – 17 Nov 2011

- 5 year action plan
- Holistic approach
- 7 key areas
- 12 concrete actions



The 7 areas in where action is needed

- **Appropriate use** of antimicrobials (humans and animals)
- **Prevention** microbial infections and their spread
- Development **new** effective **antimicrobials** or **alternatives** for treatment
- Improvement monitoring and **surveillance** (human and animal medicine)
- Cooperation with **international** partners to contain the risks of AMR
- Promotion **research** and **innovation**
- Improvement **communication**, education and training



Action 2 & 3:

Appropriate use of antimicrobials in veterinary medicine





a) Strengthen the regulatory framework on veterinary medicines and medicated feed

Revision legislation on veterinary medicinal products

On 10 September 2014 the Commission adopted a proposal on veterinary medicines

The proposal gives new regulatory tools to the Commission and Member States to reduce the risks to human and animal health of the use of antimicrobials in animals





Addressing antimicrobial resistance

- Promoting prudent use:
 - restriction off-label use
 - supply and advertising
- Comprehensive evaluation of new marketing authorisation applications
- Ensuring that risk-benefit balance remains favourable of authorised antimicrobials
- Providing legal tool for preserving critical antimicrobials for the treatment of human infections
- Establishing an effective and harmonised monitoring system of veterinary antimicrobials





b) Strengthen the regulatory framework on medicated feed

→ **Revision medicated feed legislation**

On 10 September 2014 the Commission adopted a proposal on medicated feed

- avoid carry-over of AMs into non-target animal feed
- Medicated feed containing AM: use no allowed to prevent diseases

c) Use existing legal tools to ensure prudent use:

- Initiate evaluation of antimicrobials on the market (referrals): colistin and updated priority list of EMA

d) Guidance document on prudent use vet. antimicrobials:

Complementing other actions: legal tools, research





Action 5:

Prevention of microbial infections and their spread (animal health)





EU Regulation on Animal Health

- Scope: Prevention and control of **transmissible diseases** (*microbial ones, certain zoonotic*)
 - Preventive driven approach: improvement animal health and biosecurity measures, good farming practices
 - With clear responsibility for all players for animal health
 - Prioritising EU intervention
 - Different disease preventive and control measures may apply (surveillance, eradication, other control measures)
 - Legal basis monitoring AMR in animal pathogens (technical advice EFSA needed)
- “Prevention is better than cure”**





Action 7:

**Need for new antimicrobials
vet. Medicine and alternatives**





Development of new antimicrobials or alternatives for treatment

- *Scientific advice on the need of new AM in vet medicine and its repercussion on AMR*
- *Development of diagnostic tools → better targeted treatments identification pathogens sensitivity against antimicrobials*
- *Development of vaccines or other preventive measures*



Action 10:

Surveillance systems (veterinary medicine)





a) Monitoring Consumption of AM → ESVAC

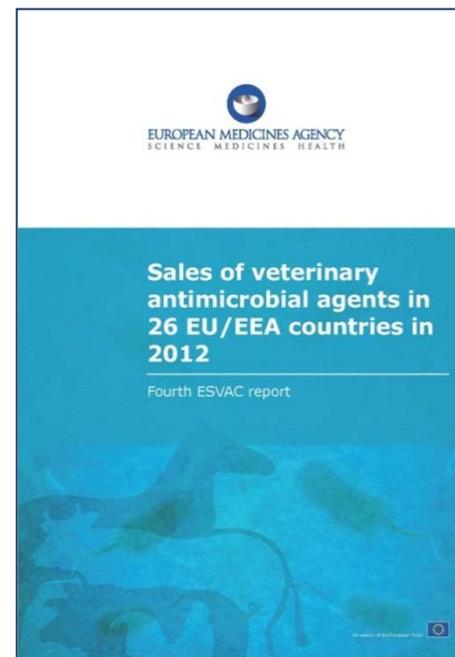
European Surveillance Veterinary Antimicrobial Consumption

Conclusions 4th ESVAC report (15/10/2014)

(Data for 2012: 26 EU/EEA countries)

**15% DECREASE IN SALES OF VET. MEDICINES 2010-2012
(18/20 countries)**

- Collection data by species → start pilot project pigs: testing phase 5 farms/9 MS
- Units of measurement → 2015 Guidelines on how to assign technical units of measurement (DDD)





b) Monitoring AMR in animals/food

Decision on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria (2013/652/EU) → into force 2014

- Based scientific advice EFSA
- Certain animal populations/food
- Zoonotic bacteria and indicators: better harmonization and comparability
 - Member States
 - Allows comparison with resistance in humans
- Monitoring ESBL/AmpC/carbapenemase-producing bacteria
→ EURL protocol <http://eurl-ar.eu/233-protocols.htm>
Validation + Expert meeting for endorsement
Training by EURL (all NRL + 3rd countries)





Data of the surveillance/monitoring systems in human and veterinary medicine



At request European Commission



Joint report 3 agencies (ECDC/EFSA/EMA) on the analysis of the relationship between consumption of antimicrobial agents and the occurrence of AMR

ADOPTION DECEMBER 2014
PUBLICATION JANUARY 2015





Action 12:

Communication, education, training





- **BTSF**
2015-16 → AMR training
- **EURL-AR**
Training National Ref. Labs (EU and selected 3rd countries)
- **European Antibiotic Awareness Day 2014**
Self medication
Stockholm, 17 November 2014, ECDC
Participation of Copa Cocega /FVE
- **Road map** http://ec.europa.eu/dgs/health_consumer/docs/road-map-amr_en.pdf





Progress delivered in Europe based on the Action plan

- Effective actions based on consolidated surveillance systems have strengthened **the appropriate use of antimicrobials**
- The **prudent use of antimicrobials** is being actively encouraged and pursued
- The **sales of both human and veterinary antimicrobials** are regulated and require responsible health expertise
- **Research** on antimicrobial resistance is boosted and transnational research is better coordinated
- Public-private partnerships are investing in the **development of new antimicrobials**
- **AMR in the international agenda: WHO, OIE, OECD, GHSA**



Thank you for your attention!



http://ec.europa.eu/health/antimicrobial_resistance/policy/index_en.htm

http://ec.europa.eu/food/food/biosafety/antimicrobial_resistance/index_en.htm

