WOAH's Strategy on AMR and Prudent Use of Antimicrobials

AMR & Veterinary Products Department Regional ANIMUSE Training for Middle East 10-12 May 2023, Dubai, United Arab Emirates



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1924



"Practitioner must not use antibiotics at the discretion of his fantasy, but following rules that have been set by experience.

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World Organisation

of expertise

Use of antibiotics against insensitive germs or specifically resistant, utilization of too weak doses or through a too short time frame, can reveal resistant germs, delaying the set of an efficient therapy and lead to treatment failures, harming a method that, when judiciously and correctly applied, has saved numerous human and animal lives"





WOAH Strategy on AMR and the Prudent Use of Antimicrobials

 The WOAH Strategy supports the objectives established in the Global Action Plan on antimicrobial resistance and reflects the mandate of WOAH, through four main objectives:

Strategy on Antimicrobial Resistance and the Prudent Use of Antimicrobials

Preserving the efficacy of antimicrobials



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World Organisation for Animal Health Founded as OIE Improve awareness and understanding

Strengthen knowledge through surveillance and research

Support good governance and capacity building

Encourage implementation of international standards

WOAH Strategy on AMR



WOAH Strategy on AMR & Prudent Use of Antimicrobials

) Improve awareness and understanding

- Development of targeted communications and advocacy materials
- Awareness of AMR to encourage a professional culture that supports the responsible and ethical use
- Professional development goals by conducting workshops, conferences and symposia
- Expand the portfolio of guidance, education and scientific reference materials
- Collaborate with WHO and FAO and UNEP

Support good governance and capacity building 3

- Assist in implementing National Action Plans, promoting a "One Health" approach

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- Provide tools and guidance
- Ensure Veterinary Services capacity through PVS Pathway
- Develop and modernise legislation
- Provide training of Focal Points
- Ensure that well-trained veterinarians and veterinary paraprofessionals are at the forefront

- Strengthen knowledge through surveillance & research
- Developing and implementing monitoring and surveillance systems
- Collecting data on the use of antimicrobial agents in foodproducing and companion animals
- Developing use and functionality of WAHIS
- Guide and support research into alternatives
- Identify and pursue public-private partnerships in AMR research and risk management

Encourage implementation of WOAH standards

- Support Member Countries in their efforts to implement WOAH standards
- Encourage adoption of recommendations in the List of Antimicrobials of Veterinary Importance
- Strengthen multilateral support among policy makers
- Continue our framework of quality, science-based standards
- Collaborate with WHO and FAO and UNEP to develop an aligned framework of standards and guidelines





Improving awareness and understanding of AMR

Improve awareness and understanding

- It is important to involve all relevant stakeholders- from veterinarians to the general public: everybody has a role when addressing AMR
- It is important to use common terminology across sectors
- Communicate in a language and via media that is adequate to the target audience and country context



WOAH Fighting AMR: Responsible AMU



WOAH chicken farming & AMR



Why antimicrobial resistance concerns you

Terrestrial Animal Health Code

Terrestrial Animal Health Code



- Extension to non-food producing animals
- Strengthening environmental impact of antimicrobial use
- Reinforcing NAPs design & implementation under One Health
- Clarifying and detailing responsibilities & actions for all concerned actors
- Competent authorities
- Pharmaceutical industry
- □ Wholesale & retail distributors
- Veterinarians
- Animal feed manufacturers
- □ Food animal producers
- Owners of non-food producing animals

- Ch.6.7. Introduction to the recommendations for controlling antimicrobial resistance
- Ch.6.8. Harmonisation of national AMR surveillance and monitoring programmes (updated in May 2018)
 - Ch.6.9. Monitoring of the quantities and usage patterns of antimicrobial agents used in food-producing animals (Agreement on definitions)
 - Ch.6.10. **Responsible and prudent use** of antimicrobial agents in veterinary medicine
 - Ch.6.11. **Risk analysis** for AMR arising from the use of antimicrobial agents in animals

Aquatic Animal Health Code





- Ch.6.2. Principles for responsible and prudent use of antimicrobial agents in aquatic animals
- Ch.6.3. Monitoring of the quantities
 and usage patterns of antimicrobial
 agents used in aquatic animals
- Ch.6.4. Development and harmonisation of national AMR
 surveillance and monitoring programmes for aquatic animals
- Ch.6.5. Risk analysis for AMR arising from the use of antimicrobial agents in aquatic animals

Mage WOAH's list of antimicrobials of veterinary importance

Criterion 1. Response rate to the questionnaire regarding Veterinary Important Antimicrobial Agents

This criterion was met when a majority of the respondents (more than 50%) identified the importance of the antimicrobial class in their response to the questionnaire.

Criterion 2. Treatment of serious animal disease and availability of alternative antimicrobial agents

This criterion was met when compounds within the class were identified as essential against specific infections and there was a lack of sufficient therapeutic alternatives.

On the basis of these criteria, the following categories were established:

- Veterinary Critically Important Antimicrobial Agents (VCIA): are those that meet BOTH criteria 1 AND 2
- Veterinary Highly Important Antimicrobial Agents (VHIA): are those that meet criteria 1 OR 2
- Veterinary Important Antimicrobial Agents (VIA): are those that meet NEITHER criteria 1 OR 2



Recommendations

Any use of antimicrobial agents in animals should be in accordance with the OIE Standards on the responsible and prudent use laid down in the Chapter 6.9. of the *Terrestrial Animal Health Code* and in the Chapter 6.3. of the *Aquatic Animal Health Code*.

The responsible and prudent use of antimicrobial agents does not include the use of antimicrobial agents for growth promotion in the absence of risk analysis.

According to the criteria detailed above, antimicrobial agents in the OIE List are classified according to three categories, Veterinary Critically Important Antimicrobial Agents (VCIA), Veterinary Highly Important Antimicrobial Agents (VHA) and Veterinary Important Antimicrobial Agents (VIA).

However, a specific antimicrobial/class or subclass may be considered as critically important for the treatment of a specific disease in a specific species (See specific comments in the following table of categorisation of veterinary important antimicrobial agents for food-producing animals).

For a number of antimicrobial agents, there are no or few alternatives for the treatment of some specified disease in identified target species as it is indicated in the specific comments in the OIE List. In this context, particular attention should be paid to the use of VCIA and of specific VHIA.

Among the VCIA in the OIE List, some are considered to be critically important both for human and animal health; this is currently the case for Fluoroquinolones and for the third and fourth generation of Cephalosporins. Colistin has been moved in 2016 to the WHO category of Highest Priority Critically Important Antimicrobials. Therefore these two classes and Colistin should be used according to the following recommendations:

- Not to be used as preventive treatment applied by feed or water in the absence of clinical signs in the animal(s) to be treated;
- Not to be used as a first line treatment unless justified, when used as a second line treatment, it should ideally be based on the results of bacteriological tests; and
- Extra-label/off label use should be limited and reserved for instances where no alternatives are available. Such use should be in agreement with the national legislation in force; and
- Urgently prohibit their use as growth promotors.

The classes in the WHO category of Highest Priority Critically Important Antimicrobials should be the highest priorities for countries in phasing out use of antimicrobial agents as growth promotors.

The OIE List of antimicrobial agents of veterinary importance is based on expert scientific opinion and will be regularly updated when new information becomes available.

Antimicrobial classes / sub classes used only in human medicine are not included in this OIE List. Recognising the need to preserve the effectiveness of the antimicrobial agents in human medicine, careful consideration should be given regarding their potential use (including extra-label/off-label use) / authorisation in animals.

- **Scope:** Authorized antibiotics for food-producing fish and crustaceans
- Methodology: Developed by an Ad hoc Group and reviewed by external experts
- Differences with respect to main multispecies list
- Criteria for inclusion of pathogens, diseases and antimicrobial classes
- **Table** of antimicrobial agents





Development of a Joint One Health Assessment Tool for AMR-relevant Legislation

One Health Assessment Tool for AMR-relevant Legislation

Activities	 Development of a One Health Assessment Tool for AMR-relevant Legislation Expert meeting Piloting of the One Health AMR Legal Assessment Tool (in 3 countries) National and regional workshops (training for trainers/capacity development) Validation 	
Output	 Improved countries capacities for designing and implementing AMR related policy frameworks, investment plans and programmes 	
Outcome	 Increased comprehensiveness and quality of the policy dialogue and practice 	

Implementation of the Tool on the National Level

Objective

- Identification of legal weaknesses in all areas with an impact on AMR
- Identification of options to improve AMR governance and coordination
- Description and prioritization of legal reforms

Methodology

- National legal consultant
 International mission (three experts from FAO, OIE and WHO)
- National workshop to present results and collect feedback

Results

- One Health assessment of AMR-relevant legislation, with identification of gaps and weaknesses
- List of priority areas for legal reform
- Proposal for a One Health institutional mechanism for coordination

FAO Carmen Bullon Ambra Gobena

OMSA (WOAH) Camille Loi David Sherman Kelsey Galantich

OMS (WHO) Maarten van der Heijden Jorge Matheu Alvarez





- Multi-Partner Trust Fund project
- Pilot currently running in Morocco
- PVS VLSP is part of the project
- Plans to bring UNEP in

Training of Focal Points for Veterinary Products and Aquatic Health

- Training of Focal Points of Members takes place every 1-2 years
- Training events held at regional level
- In 2022, a mapping exercise of training needs was conducted with the regions and sub-regions
- Topics covered include:
 - Pharmacovigilance;
 - Substandard & Falsified veterinary products;
 - Progress made, and updates on antiparasitic resistance;
 - Antimicrobial resistance (AMR) and antimicrobial use (AMU)
 - VICH general principles



6th Cycle Regional Training Seminar for OIE Focal Points for Veterinary Products

How to set up a pharmacovigilance system for veterinary medicinal products

WOAH Platform for the training of the Veterinary Services

- Competency-based Training System
- One competency package dedicated to AMR
- 5 eLearning modules available by end of 2023 in 4 languages

Education levels	Terrestrial animals	Aquatic animals	
Day 1 and VPP level e-modules	General introduction to AMR, with WOAH's lens		
	Stewardships on AMR under One Health approach		
Day 2 level e-modules	Stewardships on AMR in terrestrial animals	Stewardships on AMR in aquatic animals	
Expert level e-modules	Building a national AMR Action Plan focused on the terrestrial and aquatic animal health sector		







Working Group on Antimicrobial Resistance

- The Group was established by the Director General following the adoption of Resolution #14 at the 87th OIE General Session in 2019
- The Group assists in the implementation of
 - WOAH Strategy on AMR and the Prudent Use of Antimicrobials
 - Recommendations of the 2nd OIE Global Conference on AMR and Prudent Use of Antimicrobials
- Biannual meetings
 - FAO and WHO attend as observers



Thank you!

Special thanks to those that contribute to WOAH's work:

- WOAH Members
- Collaborating Centres, partner organisations
- Ad-hoc groups
- Working Group on AMR
- Our colleagues in the Regions
- Quadripartite organisations

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WOAH international standards, the basis for...



5

WAHIS

Ensuring transparency and enhancing knowledge of the worldwide animal health situation.

Development of **national policies and national sanitary** systems

Assessment of potential trading partners and their health situation



Drafting of **import sanitary measures**, according to the commodity and their origin



Veterinary certification and export/import procedures

Consequences of using SFVP

