Recent activities of WOAH Working

Group on AMR

Dr Tomoko Ishibashi

Chair, WOAH Working Group on AMR The University of Tokyo



World Organisatio Organisation mondiale for Animal de la santé Health animale Founded as OIE Fondée en tant qu'O

Organisation Organización mondiale Mundial de la santé de Sanidad animale Animal Fondée en tant qu'OIE Fundada como OIE Approaches and research to reduce antimicrobial use (seminar series 2023-24, session 3)

23 January 2024



- 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





• Members: regional & gender balance





- New members will be informed in May 2024
- Biannual meetings
 - Next meeting <u>27-29 Feb</u>



Terrestrial Animal Health Code

Vol.2

2022

Terrestrial Animal

Health Code

World Organisatik

- 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



Rationales for suggested changes are available in reports of <u>July 2022</u> and <u>June 2023</u>.

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Manual of Diagnostic Tests and Vaccines for Terrestrial Animals



Ch. 2.1.1 Laboratory methodologies for bacterial **antimicrobial susceptibility testing**

WOAH Collaborating Centers are reviewing Ch. 2.1.1.to see if /where to be revised.

Once Ch. 6.10. is adopted, work on other chapters may start

Laboratory expert group may be convened for drafting

WOAH List of Antimicrobials of Veterinary Importance: history



WOAH List of Antimicrobials of Veterinary Importance

- Only includes antimicrobials authorized for veterinary medical use in food-producing animals
- To help Members develop guidelines, considering
 - Availability of antimicrobials authorized for use
 - Legislation for veterinary products and AMU (e.g., off-label use)



VCIAs*

- Aminocyclitol
- Amynoglycosides Amphenicols
- 3rd & 4th gen
 cephalosporins
- Macrolides
- Penicillins
- Fluoroquinolones
- Sulfonamides
- Tetracyclines

VHIAs*

- Ansamycin-Rifamycins
- 1st & 2nd gen cephalosporins
- Ionophores
- Lincosamides
- Fosphonic acid derivatives
- Polypeptides
- Polymyxins
- Quinolones 1st gen

*VCIAs- Veterinary Critically Important Antimicrobials *VHIAs- Veterinary Highly Important Antimicrobials

Recommendations for antimicrobials critically important for both animals and humans

3rd/ 4th Generation cephalosporins, fluoroquinolones and colistin should not be used...

- as **preventive treatment applied by feed or water** in the absence of clinical signs in the animal(s) to be treated;
- 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
- outside of its indication (extra-label/ off-label use*)
- as growth promotors

* Only to be used in this mode where no alternatives are available. Such use should be in agreement with the national legislation in force.



WOAH List of Veterinary Important Antimicrobials: upcoming works

10





40

Africa (28)

Regional (not adjusted by reported coverage)

Americas (14)

World Organisation for Animal Health

WOAH ANIMUSE

Antimicrobial Classes



Asia, Far East and Oceania

(22)

onal (adjuste

WOAH Region (Number of Countries Providing Quantitative Data)

Europe (42)

by reported coverage)

AMU reported by 72 Countries 2016 to 2018, Adjusted by Animal Biomass (mg/kg)*



2018

2019

*HPCIA- Highest Priority Critically Important Antimicrobials *CIA- Critically Important Antimicrobial

2017



