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OIE Sub-Regional Representation for North Africa

OIE strategy on AMR and the Prudent Use of Antimicrobials

14th JPC REMESA
19-20 July 2017
Naples (Italy)
The OIE Strategy on AMR and the Prudent Use of Antimicrobials
The OIE Strategy on AMR and the Prudent Use of Antimicrobials

- The OIE Strategy supports the objectives established in the Global Action Plan on antimicrobial resistance (AMR), developed by WHO with a strong contribution from FAO and OIE. It reflects the mandate of the OIE, through four main objectives:

  - Improve awareness and understanding
  - Strengthen knowledge through surveillance and research
  - Support good governance and capacity building
  - Encourage implementation of international standards
1. Improve awareness and understanding

- Support Member Countries through the development of **targeted communications and advocacy materials**

- Promote awareness of AMR through Veterinary Statutory Bodies and Veterinary Education Establishments **to encourage a professional culture** that supports the responsible and ethical use of antimicrobials in animals

- Continue to support professional development goals by **conducting workshops, conferences and symposia** that promote the prudent use of antimicrobials and address the issue of AMR

- Expand the portfolio of OIE guidance, education and scientific reference materials

- **Collaborate with WHO and FAO** to ensure alignment and coordination of policy and advocacy initiatives
2 Strengthen knowledge through surveillance & research

- Support Member Countries in **developing and implementing monitoring and surveillance systems**
- Build and maintain a **database for collecting data on the use of antimicrobial agents in food-producing and companion animals**, with associated analysis and annual reporting
- **Enhance the development, use and functionality of WAHIS** to allow analysis of data on antimicrobial use
- **Guide and support research into alternatives to antibiotics** to encourage the development and uptake of new tools, products and methodologies
- Identify and pursue **opportunities for public-private partnerships in AMR research and risk management**
3 Support good governance and capacity building

- Provide assistance to Member Countries in developing and implementing **National Action Plans**, promoting a “One Health” approach

- **Provide tools and guidance** to assist Member Countries in their AMR risk assessment initiatives

- **Ensure Veterinary Services have the capacity** to implement OIE international standards, through engagement in the PVS Pathway

- Support Member Countries to **develop and modernise legislation** governing the manufacture, marketing authorisation, importation and distribution and use of veterinary products

- Provide regular training of **Focal Points on Veterinary Products**

- Ensure that **well-trained veterinarians and veterinary para-professionals** are at the forefront of national and regional efforts
Encourage implementation of OIE standards

- Support Member Countries in their efforts to implement OIE standards
- Disseminate and encourage adoption of recommendations in the OIE List of Antimicrobials of Veterinary Importance
- Strengthen multilateral support for implementation of OIE standards among policy makers
- Build on the success of the OIE standards development work programme to continue to advance for the animal sectors our comprehensive framework of quality, science-based standards that support the Global Action Plan on AMR
- Collaborate with WHO and FAO to support the development of a comprehensive and aligned framework of standards and guidelines across human health, animal health, agriculture and the food chain
The “One Health” approach
The “ONE HEALTH” approach

ONE HUMANS, ECOSYSTEMS and ANIMALS LIVING TOGETHER HARMONIOUSLY
OIE standards and guidelines related to antimicrobial resistance (AMR)
Standards and guideline related to antimicrobial resistance

OIE Terrestrial Animal Health Code

Section 6. Veterinary Public Health

▪ Chapter 6.6. Introduction to the recommendations for controlling antimicrobial resistance

▪ Chapter 6.7. Harmonisation of national antimicrobial resistance surveillance and monitoring programmes

▪ Chapter 6.8. Monitoring of the quantities and usage patterns of antimicrobials agents used in food producing animals

▪ Chapter 6.9. Responsible and prudent use of antimicrobial agents in veterinary medicines

▪ Chapter 6.10. Risk analysis for antimicrobial resistance arising from the use of antimicrobial agents in animals

http://www.oie.int/international-standard-setting/terrestrial-code/access-online/
OIE Aquatic Animal Health Code

Section 6. Antimicrobial use in aquatic animals

- Chapter 6.1. Introduction to the recommendation for controlling antimicrobial resistance
- Chapter 6.2. Principles for responsible and prudent use of antimicrobial agents in aquatic animals
- Chapter 6.3. Monitoring of the quantities and usage patterns of antimicrobial agents used in aquatic animals
- Chapter 6.4. Development and harmonisation of national antimicrobial resistance surveillance and monitoring programmes for aquatic animals
- Chapter 6.5. Risk analysis for antimicrobial resistance arising from the use of antimicrobial agents in aquatic animals

http://www.oie.int/international-standard-setting/aquatic-code/access-online/
Standards and guideline related to antimicrobial resistance

Manual of Diagnostic Test and Vaccines for Terrestrial Animals

Part 3. Specific Recommendations
- Chapter 3.1
  Laboratory methodologies for bacterial antimicrobial susceptibility testing

http://www.oie.int/international-standard-setting/aquatic-code/access-online
Standards and guideline related to antimicrobial resistance

OIE List of Antimicrobial Agents of Veterinary Importance


**Vetinary Critically Important Antimicrobial Agents (VCIA)**
- Both Criteria 1 and Criteria 2

**Veterinary Highly Important Antimicrobial Agents (VHIA)**
- Criteria 1 or Criteria 2

**Veterinary Important Antimicrobial Agents (VIA)**
- Neither Criteria 1 or 2

Standards and guideline related to antimicrobial resistance

OIE List of Antimicrobial Agents of Veterinary Importance

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.

Recommendations of restricted use

VCIA Veterinary Critically Important Antimicrobial Agents

- **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.

- **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.
First OIE Annual report on the use of antimicrobial agents in animals: Better understanding of the global situation
3. Global analysis
   • General information
   • Quantity of antimicrobial agents reported

4. Analysis by OIE Region (first phase)
   • General Information by OIE Region
   • Africa
   • Americas
   • Asia and the Pacific
   • Europe
   • Middle East
Table 1. OIE Member Countries that submitted templates in 2015, by OIE Region

<table>
<thead>
<tr>
<th>OIE REGION</th>
<th>Number Member Countries who submitted templates by OIE Region</th>
<th>Number of OIE Member Countries*</th>
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<tbody>
<tr>
<td>AFRICA</td>
<td>44</td>
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<td>AMERICAS</td>
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<td>EUROPE</td>
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</tr>
<tr>
<td>MIDDLE EAST</td>
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<td>12</td>
</tr>
</tbody>
</table>

* Distribution of countries by OIE Region is done according to the OIE Note de Service 2010/22 – Annex 4

Figure 1. OIE Member Countries that submitted templates in 2015, by OIE Region

- **AFRICA**: 81%
- **AMERICAS**: 66%
- **ASIA**: 81%
- **EUROPE**: 68%
- **MIDDLE EAST**: 42%
Conclusions

- information provided represents a remarkable first step in better understanding the global use of antimicrobial agents in animals
- OIE Member Countries expressed desire to further increase transparency on the use of antimicrobial agents in animals around the world
- need to provide additional support to Member Countries to improve their national monitoring systems
- allow countries to provide their information through an electronic portal

TECHNICAL ITEM 1

Global action to alleviate the threat of antimicrobial resistance: progress and opportunities for future activities under the ‘One Health’ initiative
Technical Item 1: with questionnaire (sent to 180 OIE Members)
Global action to alleviate the threat of antimicrobials resistance: progress and opportunities for further activities under One Health initiative

The Objectives of the Technical Item were to:
1. Strengthen OIE’s commitment to the global initiative against AMR
2. Monitor the implementation of OIE Strategy by OIE Member Countries
3. Better understand needs of Members Countries and expectations for OIE support

Video/presentation available =>
OIE Resolutions 38 (2017)

Resolution 38 “Global action to alleviate the threat of antimicrobial resistance: progress and opportunities for future activities under ‘One health’ initiative”

- The OIE review the List of antimicrobial agents of veterinary importance including considering the purposes for use of antimicrobial agents in animals...

- The OIE complement the specific standards and recommendations on laboratory methodologies for antimicrobial susceptibility testing to determine bacterial resistance and interpret the test results in the context of AMR, working with WHO and FAO to achieve integrated surveillance.

- The OIE put in place tools to monitor the actions undertaken to implement its strategy on AMR, while also taking into account the evaluation developed in collaboration with its Tripartite partners and future work of the UN IACG…
OIE’s ongoing AMR work programme

1. Monitoring programmes for implementation of GAP and OIE Strategy
2. Prudent Use communication campaign to empower veterinarians
3. Improve the Global Database collection and analysis on use of antimicrobial agents in animals
   • more information on type of use, animal groups and route of administration
   • develop denominator for more valid comparison
4. Ongoing development and maintenance of OIE Standards
   • Key definitions: therapeutic use, preventive use and growth promotion
   • Species-pathogen combinations for surveillance (core set)
5. OIE 2nd Global Conference on AMR and the Prudent Use of Antibiotics in 2018 (TBC)
A multi-sectorial group created to address antimicrobial resistance issues at high level
• The Interagency Coordination Group (IACG) on Antimicrobial Resistance was convened by the UN Secretary-General, according to General Assembly Resolution A/RES/71/3, in which the group will report to the Secretary-General during the 73rd session of the UN General Assembly.

• The group of 28 members, including representatives of relevant organisations such as OIE, is jointly chaired by the UN Deputy Secretary-General and the Director-General of WHO. The tripartite Secretariat including an OIE staff member is hosted in Geneva.

• It will provide practical guidance for approaches needed to ensure sustained effective global action to address antimicrobial resistance, including options to improve coordination, taking into account the global action plan on antimicrobial resistance.
Reporting back to the 73rd Session of the United Nations – by September 2019

Major actions expected include:

- **Mapping activities** against the Global Action Plan for Tripartite, other UN agencies, and the wider stakeholder community (NGOs, private sector)
- **Monitoring framework** for Global Action Plan and National Action Plans
- **Stakeholder engagement** system to provide channels for dissemination of information and coordination of activities
- **Effective advocacy** to retain awareness of AMR at the highest international and national political levels

OIE AMR Communication Campaign
A dedicated page about AMR on the OIE website

Antimicrobial Resistance (AMR)

About antimicrobial resistance

Antimicrobial agents are medicines used to treat infections, particularly those of bacterial origin. These medicines are essential to protect human and animal health, as well as animal welfare. Excessive or inappropriate use can lead to the emergence of resistant bacteria which do not respond to antibiotic treatment, as seen in recent decades. This phenomenon, called antimicrobial resistance, which poses a threat to disease control throughout the world, is a primary concern for human and animal health.

It is by ensuring the responsible and prudent use of these invaluable medicines in animals, in accordance with the intergovernmental standards of the OIE that we will be able to safeguard their efficacy.

To achieve this, coordinated action between the human and animal health and environmental sectors is crucial.

Veterinarians are part of the solution; but they must be well trained and well supervised by the statutory veterinary bodies created by law.

Antimicrobial agents are a global public good.

We each have a role to play in the fight against antimicrobial resistance and, in so doing, can protect the efficacy of these vital treatments and, by the same token, our future.
OIE communication tools on AMR

World Antibiotic Awareness Week
14-20 November 2016

#AntibioticResistance

WORLD ANTIBIOTIC AWARENESS WEEK

The goal of this week is to raise awareness of the health risks posed by antibiotic resistance and to promote good practice in this area of concern, to limit the emergence and spread of resistant bacteria throughout the world.
Communication AMR questionnaire

In the framework of the global action plan on *Antimicrobial Resistance* and as part of its *AMR strategy*, the OIE is developing a communication campaign aimed at encouraging veterinarians and animal health players all around the world to collect data about antimicrobial use in animals and to apply the OIE standards on the prudent and responsible use of antimicrobial agents.

**OBJECTIVES**

1. **Help you transferring the knowledge in your country** about the responsible and prudent use of antibiotics.

2. **Understand the communication habits in your country** to deliver the most adapted communication material for transfer of knowledge locally.

3. **Better understand your needs** (main actions to focus on, main targets, main messages,…) we will endeavour to provide you with communication materials to ensure efficient transfer of knowledge to your main local targets.
1 - To help us know you and to stay connected, please fill in the fields in the form below:

- NAME
- COUNTRY
- POSITION
- EMAIL
- WEBSITE
Section 2 : Actions in your country

2 – Please rank the following actions about AMR according to their importance to communicate on in your country (Rank in order of importance from 1 to 7, where 1 is the most important, and 7 the least important)

- Good governance of veterinary services
- Implement standards in national legislation on the prudent use of antibiotics
- Train future veterinarians on the prudent use of antibiotics (initial curriculum)
- Train veterinarians and para-veterinarians (continuous education)
- Improve the level of laboratories
- Ensure quality control of circulating antibiotics in your country
- National programs of surveillance and monitoring of AMR
3.1 - The transfer of knowledge is essential to achieve our OIE strategy on AMR. How important are the following communication targets for AMR in your country? (Please, rank in order of importance from 1 to 7, where 1 is the most important, and 7 the least important)

- Competent authorities
- Veterinary pharmaceutical industry
- Veterinarians & Para-veterinarians
- Food animal producers
- Animal feed manufacturers
- Veterinary education establishments
- General Public
4 – Have you ever used **printed material** (leaflet, brochures, poster,...) in previous communication campaigns? *(if you did not, please go directly to Section 5)*

- [ ] Yes
- [ ] No
Section 4: Communication MATERIAL for transfer of knowledge in your country

4.1 - Did you send **postal letters** in previous communication campaigns?
(if you did, please select one or more targets reached with this communication material)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

No, I did not use this type of communication material
4.2 - Did you use **printed brochures or guidelines** in previous communication campaigns? *(if you did, please select one or more target reached with this communication material)*

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

No, I did not use this type of communication material
4.3 - Did you use **printed leaflets** in previous communication campaigns?
*(if you did, please select one or more target reached with this communication material)*

- [ ] Yes, for Veterinary Competent Authorities
- [ ] Yes, for Veterinary Pharmaceutical Industry
- [ ] Yes, for Veterinarians & Para-veterinarians
- [ ] Yes, for Veterinary Education Establishments
- [ ] Yes, for the General Public

- [ ] No, I did not use this type of communication material
Section 4 : Communication MATERIAL for transfer of knowledge in your country

4.4 - Did you use **posters** in previous communication campaigns? (if you did, please select one or more target reached with this communication material)

- [ ] Yes, for Veterinary Competent Authorities
- [ ] Yes, for Veterinary Pharmaceutical Industry
- [ ] Yes, for Veterinarians & Para-veterinarians
- [ ] Yes, for Veterinary Education Establishments
- [ ] Yes, for the General Public

- [x] No, I did not use this type of communication material
5 - Did you ever set up physical meetings in the framework of previous communication campaigns implementation? (if you did not, please go directly to section 6)

[ ] Yes
[ ] No
Section 5: Communication EVENTS for transfer of knowledge in your country

5.1 - Did you organize continuous education training events in previous communication campaigns? (if you did, please select one or more targets attempting this event)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

- No, I did not use this communication channel
### Section 5: Communication EVENTS for transfer of knowledge in your country

#### 5.2 - Did you organize **regional professional meetings (informative meeting, group discussion, etc)** in previous communication campaign?

*(if you did, please select one or more targets attempting this event)*

<table>
<thead>
<tr>
<th>Yes, for Veterinary Competent Authorities</th>
<th>No, I did not use this communication channel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, for Veterinary Pharmaceutical Industry</td>
<td></td>
</tr>
<tr>
<td>Yes, for Veterinarians &amp; Para-veterinarians</td>
<td></td>
</tr>
<tr>
<td>Yes, for Veterinary Education Establishments</td>
<td></td>
</tr>
<tr>
<td>Yes, for the General Public</td>
<td></td>
</tr>
</tbody>
</table>
Section 5 : Communication EVENTS for transfer of knowledge in your country

5.3 - Have you ever had a stand (booth) in a national meeting or congress in previous communication campaigns? (if you did, please select one or more targets attempting this event)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Students
- Yes, for the General Public

- No, I did not use this communication channel
6.1 - Did you ever use media in previous communication campaigns?  
(if you did not, please go directly to the question 6.2)

- [ ] Yes
- [ ] No
Section 6 : Communication
CHANNELS for transfer of knowledge
in your country

6.1.1 - Did you use press advertising in previous communication campaigns? (if you did, please select one or more targets reached by this communication channel)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

- No, I did not use this communication channel
Section 6: Communication CHANNELS for transfer of knowledge in your country

6.1.2 - Did you use radio spots or interviews as a communication channel in previous communication campaigns? (if you did, please select one or more targets reached by this communication channel)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

No, I did not use this communication channel
Section 6 : Communication
CHANNELS for transfer of knowledge in your country

6.1.3 - Did you use press releases or press books sent to national and regional medias in previous communication campaigns? (if you did, please select one or more targets reached by this communication channel)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

No, I did not use this communication channel
Section 6 : Communication CHANNELS for transfer of knowledge in your country

6.2 - Did you ever use digital, web and mobile channels in previous communication campaigns? (if you did not, please go directly to section 7)

[ ] Yes  [ ] No
Section 6: Communication
CHANNELS for transfer of knowledge in your country

6.2.1 - Did you send *emails or newsletters* in previous communication campaigns? *(if you did, please select one or more targets reached by this communication channel)*

- [ ] Yes, for Veterinary Competent Authorities
- [ ] Yes, for Veterinary Pharmaceutical Industry
- [ ] Yes, for Veterinarians & Para-veterinarians
- [ ] Yes, for Veterinary Education Establishments
- [ ] Yes, for the General Public

- [ ] No, I did not use this communication channel
6.2.2 - Did you develop a website in previous communication campaigns? (if you did, please select one or more targets reached by this communication channel)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

- No, I did not use this communication channel
6.2.3 - Did you send text messages to your target’s mobile phone in previous communication campaigns? (if you did, please select one or more targets reached by this communication channel)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

No, I did not use this communication channel
Section 6 : Communication CHANNELS for transfer of knowledge in your country

6.2.4 - Did you use Whatsapp as communication channel in previous communication campaigns? (if you did, please select one or more targets reached by this communication channel)

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public

- No, I did not use this communication channel
6.3 - Did you use **movies** as communication channel in previous communication campaigns? *(if you did, please select one or more targets reached by this communication channel)*

- Yes, for Veterinary Competent Authorities
- Yes, for Veterinary Pharmaceutical Industry
- Yes, for Veterinarians & Para-veterinarians
- Yes, for Veterinary Education Establishments
- Yes, for the General Public
- No, I did not use this communication channel
Section 7: Habits in your country

7 - What is the Internet access situation in your country?
(select one or more situations that described your country situation)

- My targets have an easy and good access to internet
- My targets use internet mainly on a computer
- My targets use Internet mainly on a mobile
- My targets have an easy acces to Wifi
- My targets have an easy acces to connected mobile
- My targets use facebook
- My targets use twitter
- My targets use youtube
- My targets use Whatsapp
- My targets have no (or little) access to internet
8 - Do you want to be involved in the preparation and / or test of a new OIE AMR COMMUNICATION CAMPAIGN?

Yes  No
8.1 – In order to help us better understand the communication habits in your country and to deliver the most adapted communication material, we are collecting as much documentation as possible on any previous campaigns on this AMR topic, implemented by your services, veterinary authorities, veterinary education establishments, veterinary pharmaceutical industries...

For example: advertising campaigns, leaflets, brochures, newsletters, website address...

Please, send us all your previous communication material on this email address:

amr.oie@life-ah.com
Thank you for your attention