The OIE AMU Data Collection and Data base

The 1st Regional Antimicrobial Resistance Data Sharing and Analysis (RADSAR) Virtual Workshop-Africa
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- The OIE develops a procedure and standards for data quality for collecting data annually from OIE Member Countries on the use of antimicrobial agents in food-producing animals with the aim of creating an OIE global database...
The OIE actions to be compiled and consolidated within the OIE Strategy on antimicrobial resistance include:

- **The establishment and the management of a database for the collection of data on the use of antimicrobial agents in animals as well as the development of interpretation indicators**
In the framework of the Global Action Plan on AMR, the OIE, under the Tripartite collaboration, is leading a global database on antimicrobial agents intended for use in animals.

The database is designed to:

1. Monitor the type and use of antimicrobial products
2. Measure trends over time
3. Trace circulation and use patterns globally
4. Evaluate the quality and authenticity of antimicrobial products in use
Monitoring the use of antimicrobials in animals based on OIE standards

Chapter 6.9 of Terrestrial Code & Chapter 6.3 of Aquatic Code:

- A system where all can contribute
- That safeguards information
- That is pragmatic regarding the data collected
- That will help to collect comparable data
### Data Sources

**Sales data**
- Wholesalers
- Retailers
- Marketing Authorisation Holders
- Registration Authorities
- Feed Mills
- Pharmacies
- Farms Shops/Agricultural Suppliers
- Industry Trade Associations

**Purchase data**
- Wholesalers
- Retailers
- Feed Mills
- Pharmacies
- Agricultural Cooperatives
- Producer Organisations

**Import data**
- Customs declarations - Veterinary Medicinal Product
- Customs declarations - Active Ingredient

**Veterinary data**
- Sales
- Prescriptions

**Antimicrobial use data**
- Farm Records

**Other data source(s)**
- Other
The sections of the OIE Template named ‘Reporting Options’ 1, 2 and 3, collect the quantities of antimicrobial agents intended for use in animals.

* Type of use: veterinary medical use or growth promotion
**For the purposes of the OIE database, animal groups means: ‘terrestrial food-producing animals’, ‘aquatic food-producing animals’ or ‘companion animals’
Rounds of the OIE AMU Data Collection

1st Round
- Launch: Oct. - Nov. 2015

2nd Round

3rd Round
- Launch: Oct. 2017

4th Round
- Launch: Sept. 2018
- Report published: Feb. 2020

5th Round
- Launch: Sept. 2019
- Report published: Early 2021

6th Round
- Launch: Sept. 2020
OIE Annual Report on Antimicrobial Agents Intended for Use in Animals

HIGHLIGHTS

Increased Country Capacity and Participation

The data collection process has seen continuous increased engagement from countries, participation in the provision of data, and their increased capability to provide more detailed data through the quantitative data options. The fifth report shows more countries providing data Option 3 thanks to the Calculation Tool.

Increased OIE Capacity Building

The OIE has engaged national and private partner participants in targeted training seminars on antimicrobial use data to support the implementation of national monitoring systems and harmonized data collection on antimicrobial use in animals.

Trends from 2015 to 2017

Changes of the antimicrobial quantities adjusted by animal losses in reporting countries.
Future Steps

Imports

Sales

Possibility to report at species level

Prescriptions
  • Veterinarians

Use
  • Farm records
On-going improvements

Set up a tool/software to help Countries in the OIE Annual Data Collecting on AMU

Improve data quality and accuracy through calculation tools and error detection

Involving the Countries in the development to have a tailored tool to their needs

Improving the Countries’ ownership of their AMU data
### SUMMARY: Future of the OIE Database Collection

**Calculation Module**
Formulas will be integrated in the System allowing Countries to calculate and report quantities thus improving the accuracy of data.

**Species Level Reporting**
The future OIE Database System will allow Countries to report at species level.

**Data Ownership**
Countries will have access to their own data which they can analyse and make informed decisions.

**OIE-WAHIS Integration**
The integration of OIE-WAHIS will provide an analysis of the antimicrobial quantities (mg) adjusted by animal biomass (kg).

**Business Intelligence Reporting**
The system will be integrated with a Business Intelligence tool allowing faster and accurate data analysis and reporting.