

BELVET-SAC

Belgian Veterinary
Surveillance of Antimicrobial
Consumption

The consortium

▣ Partners

- Federal Agency for Medicines and Health products (FAMHP) ~ BAPCOC
- Ghent University: epidemiology unit (UGent)
- Veterinary and Agrochemical Research Centre (VAR):
 - ▣ Bacteriology
 - ▣ Coordination Centre for Veterinary Diagnostics
- Scientific Institute for Public Health: epidemiology unit (IPH)

The aims

- ▣ Continuously register and analyze Veterinary antimicrobial consumption in Belgium
 - System development for continuous/ semi-automatic upload of consumption figures
 - Analysis of trends
 - Species level
- ▣ Reporting to
 - Government
 - Pharmaceutical sector
 - Public: yearly study day

Approach

- ▣ Primary datacollection
 - Ugent and FAMHP (confidential!)
 - Package level sales figures from wholesalers/distributors
 - Period of sale!
 - Medicated feed: FAMHP
- **sum = total vet. antimicrobial consumption**

Approach

- ▣ Supplementary data
 - Species information
 - ▣ package/ formulation/ compound
 - ▣ SPUR's (FAMHP)
 - ▣ Survey among practitioners by veterinary students (UGent)
 - All types (small animal/large/industry)
 - Which product/formulation for what animal species?
 - Indication(s) of use
 - Dose
 - Duration/ administration interval
 - Body weight estimation
 - estimate what ratio of a product is used for which species

Approach

- ▣ Supplementary data
 - Number of animals produced per species
 - ▣ VAR
 - ▣ Extrapolation of species ratio per product to national consumption
 - ▣ Continuous update

Approach

- ▣ Data analysis (UGent)
 - Input from all partners
 - Linking sales figures to supplementary data and extra information from AVG compendium (active compound, formulation, species, indications,...)
 - DDD_{animal} per compound and animal species (Uniform DDD's required!)
 - Calculation of total consumption per compound per species
 - Calculation of Treatment Incidences
 - No reporting of compound level data!

Reported output

- ▣ Amount of pharmaceutical subgroup (level 3 ATC) or chemical subgroup (level 4) ~EMA
 - Global
 - Per species
- ▣ Treatment Incidence per species at the same ATC level
- ▣ Yearly report and study day

Acknowledgements

- ▣ BelVet-SAC is funded by BAPCOC, the Belgian Antibiotics Policy Coordinating Committee

