

Sales of veterinary antimicrobials: The Swiss Way

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Legal basis

Federal law on therapeutic products (1.1.2002)

Tierarzneimittelverordnung (1.9.2004)

„Federal ordinance on veterinary medicinal products“

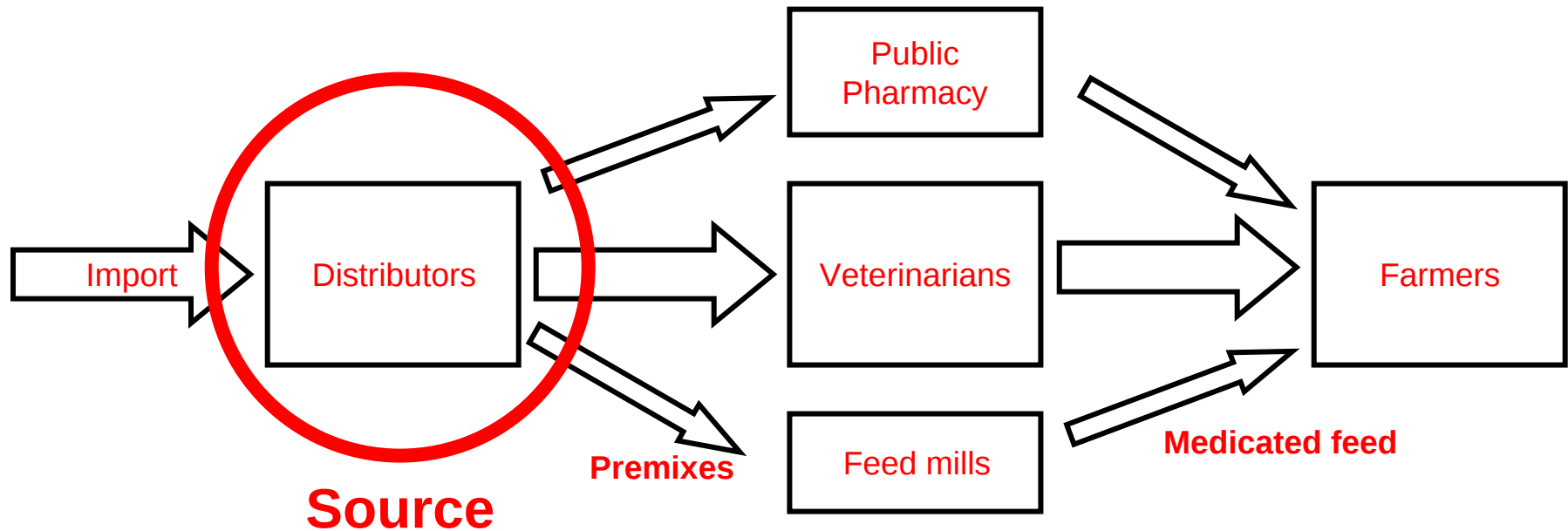
Art. 36 Datensammlung

¹ Das Institut bearbeitet die Personendaten, die ihm im Rahmen der Artikel 33 und 35 zur Verfügung gestellt werden. Es erstellt damit namentlich eine Tierarzneimittel-Verbrauchsstatistik zur Überwachung der Antibiotikaresistenzsituation.

„The institute processes data collected according to Art. 33 and 35. It specifically establishes a statistic about usage of veterinary antimicrobials for the purpose of monitoring resistances“



Distribution network

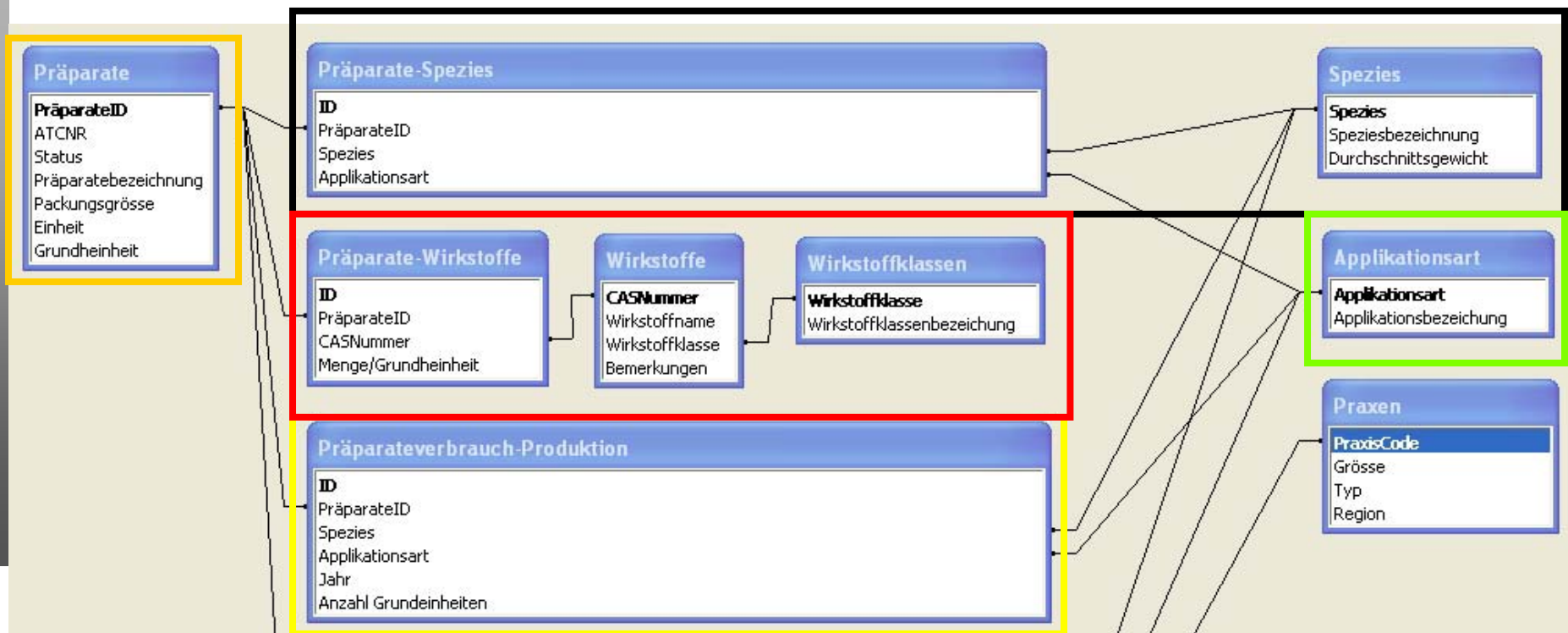


- No state control (except importations)
- 219 (out of 871) VMPs containing antimicrobials, no OTC (January 2009)
 - 45 intramammaries & 40 premixes

Reporting

- Once a year, collection starts in March
- Data requested directly from MAH
- XLS-lists of relevant VMPs, on USB-sticks
 - Lists queried from internal licensing database (semi-automatic process)
 - UID: MA Number+Sequence+Package code
 - One line per UID in XLS > number of packages sold
- Manually transferred to MS Access database (4-eyes!)
- No problems in obtaining data from distributors, but...
 - We only get what we ask... (some exceptions!)





1. Swiss veterinary drug compendium
2. Target species (3-letter code)
3. Active substance (UID: CAS-Number)
4. Route of application

Data acquisition & processing

- **All information taken from marketing authorization**
 - Target species
 - Food producing / companion animals / mixed
 - Route of administration
 - Parenteral, oral, topical / external, intramammary
 - Galenics
 - Bottle, tablet, bag
- **Data processing: MS Access database**
 - Filters for target groups, route of application, ATCvet (level 1 to 5) & combinations thereof
 - **Special codes**: premixes, IMM for drying off, ...
 - Output: XLS-sheets



2008	Cefoperazon	7.45
2008	Cefovecin-Na	3.338136
2008	Cefquinom	47.8975
2008	Ceftiofur	71.357
2008	Chloramphenicol	87.1999
2008	Chlortetracyclin	15417.96
2008	Clavulansäure	97.51493
2008	Clindamycin	23.9847
2008	Cloxacillin	777.4334
2008	Colistin	1711.591
2008	Danofloxacin	140.2523
2008	Dihydrostreptomycin	2535.479
2008	Doxycyclin	440.081
2008	Enrofloxacin	182.2625
2008	Florfenicol	165.81
2008	Framycetin	0.10455
2008	Fusidinsäure	0.378705
2008	Gentamicin	256.2625
2008	Ibafloxacin	1.38975
2008	Kanamycin	31.7032

Sales by classes

