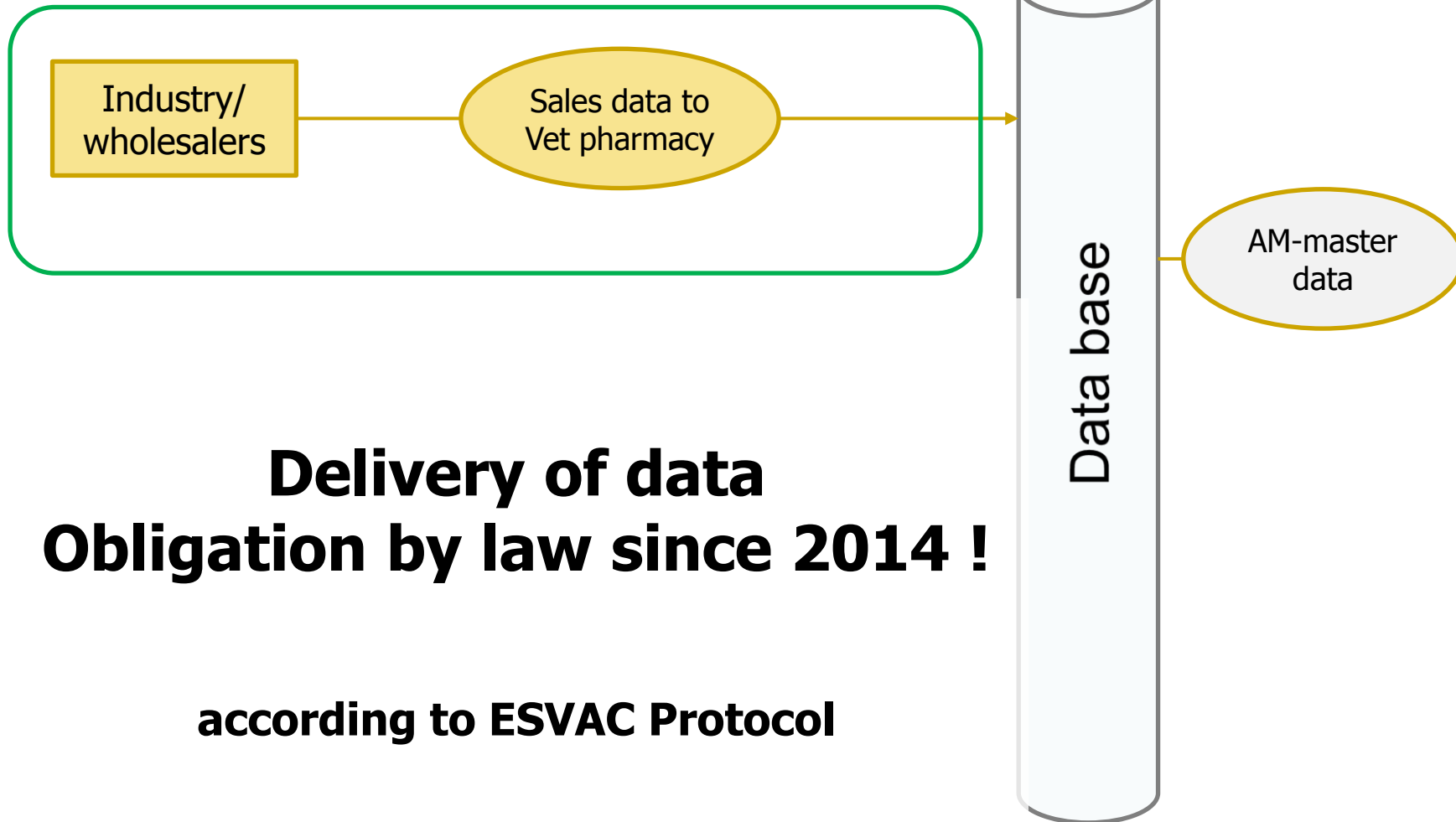


Monitoring and analysing of Antimicrobial consumption data in Austria

K. Fuchs, R. Fuchs

60th MEETING OF THE EFSA ADVISORY FORUM
Utrecht, June 08th, 2016

Data



**Delivery of data
Obligation by law since 2014 !**

according to ESVAC Protocol

Data structure – AM data base

- **Marketing Authorisation Number** (primary key)
- Items (outline)
 - Medicinal Product Name
 - Pharmaceutical Form
 - Bolus, Injection, Intramammary, Intramammary dry cow treatment, Oral solution, Oral powder, Oral paste, Premix, Capsules and Tablets etc, Intrauterine preparation
 - Content Unit of Measurement
 - E.g.: ML, L, G, KG, PIECE (for tablets, capsules, bolus, intramammaries and intrauterine products)
 - ATCvet 5th level
 -
- **Number of packs sold**
- **VET PHARM No**

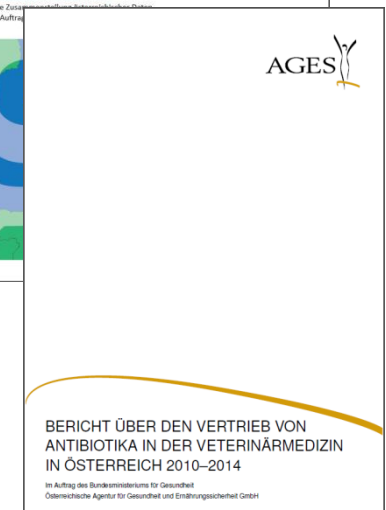
Standard reports

- Sales data
 - Temporal patterns
 - Detailed analysis for each active ingredient
 - Benchmark of veterinary pharmacies
- Critically Important Antimicrobials

<http://www.ema.europa.eu/>

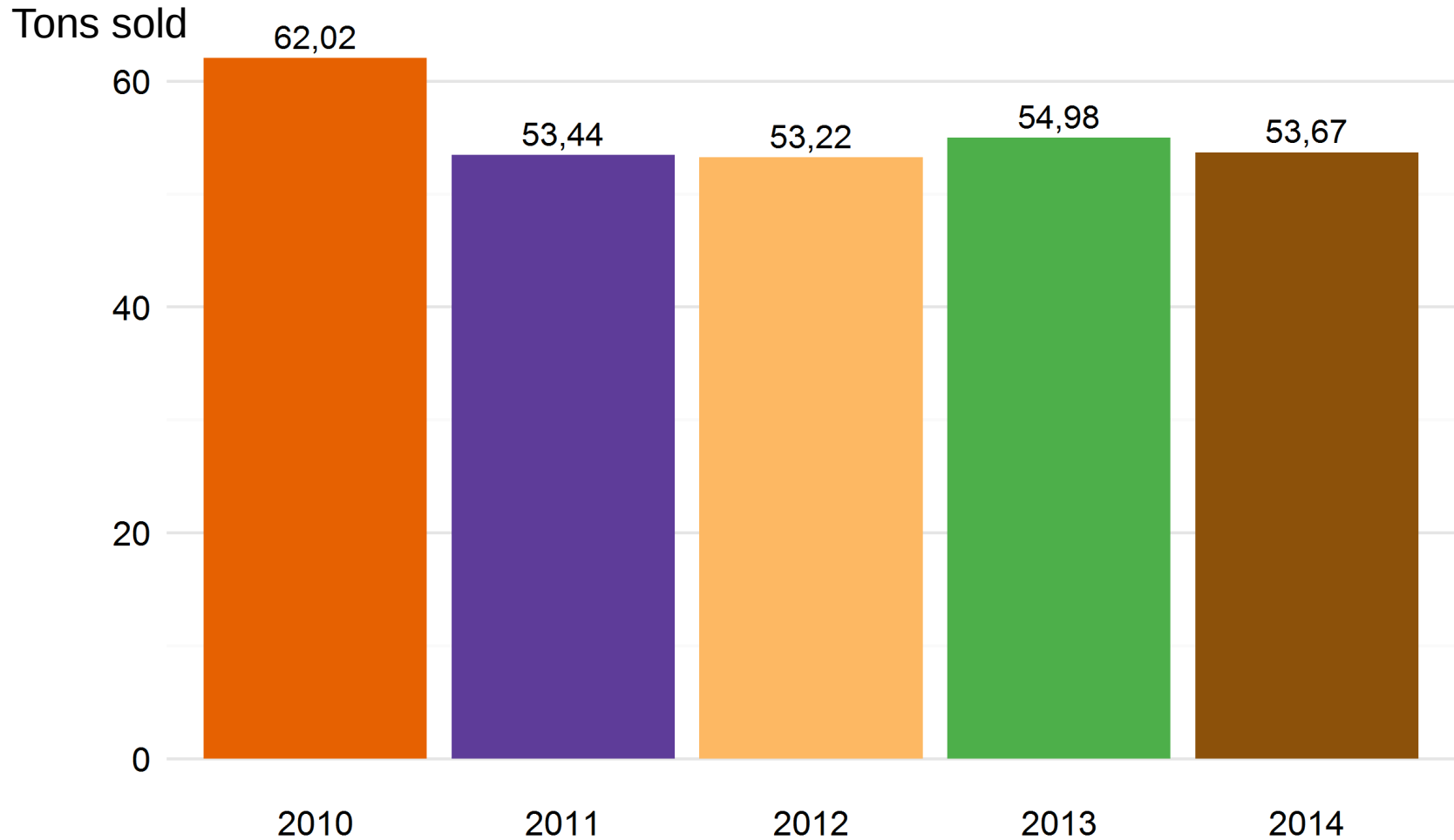
<http://www.ages.at/themen/arzneimittel/>

<http://www.bmg.gv.at/home/Schwerpunkte/Krankheiten/Antibiotikaresistenz/>



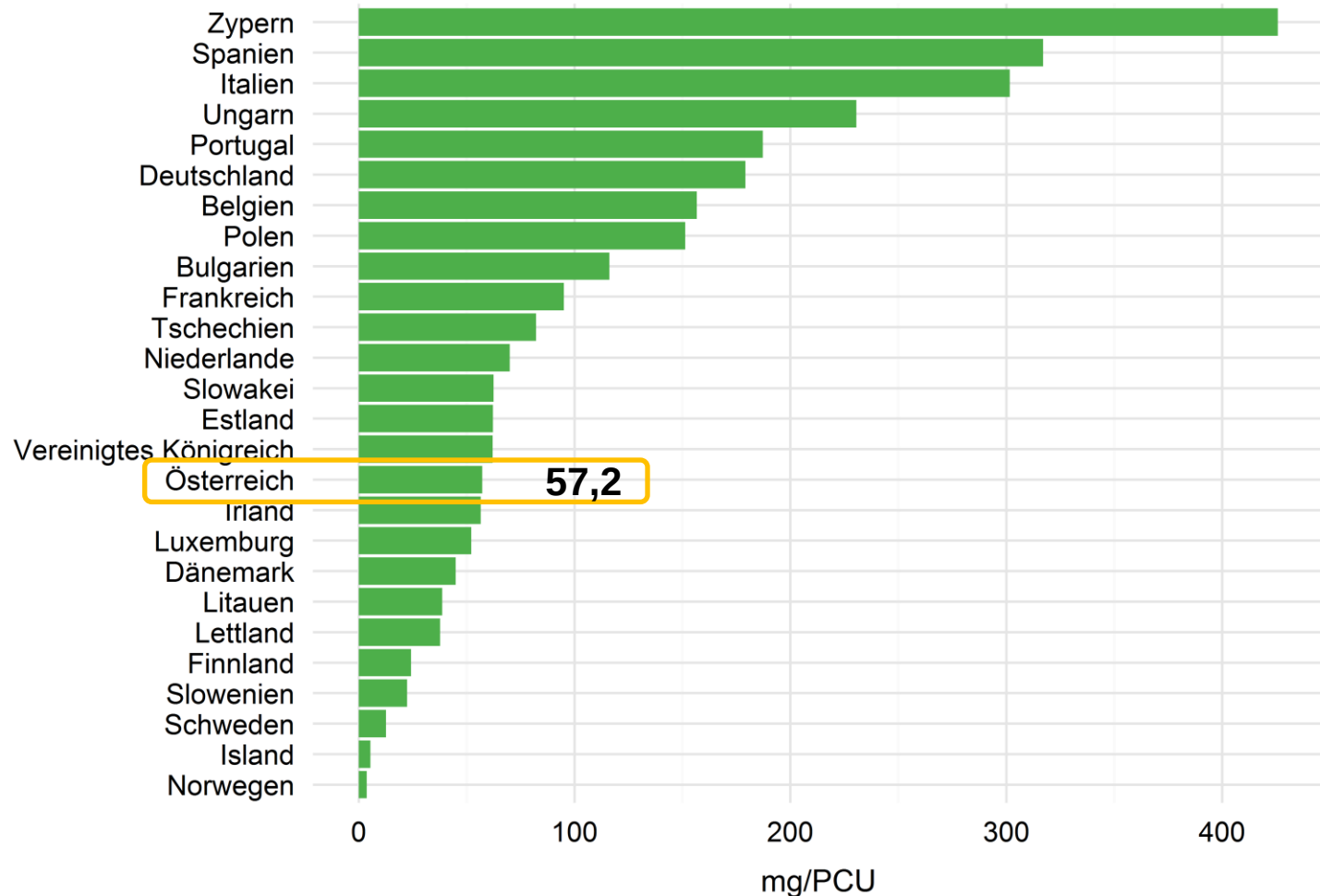
Sales data - Austria

temporal pattern



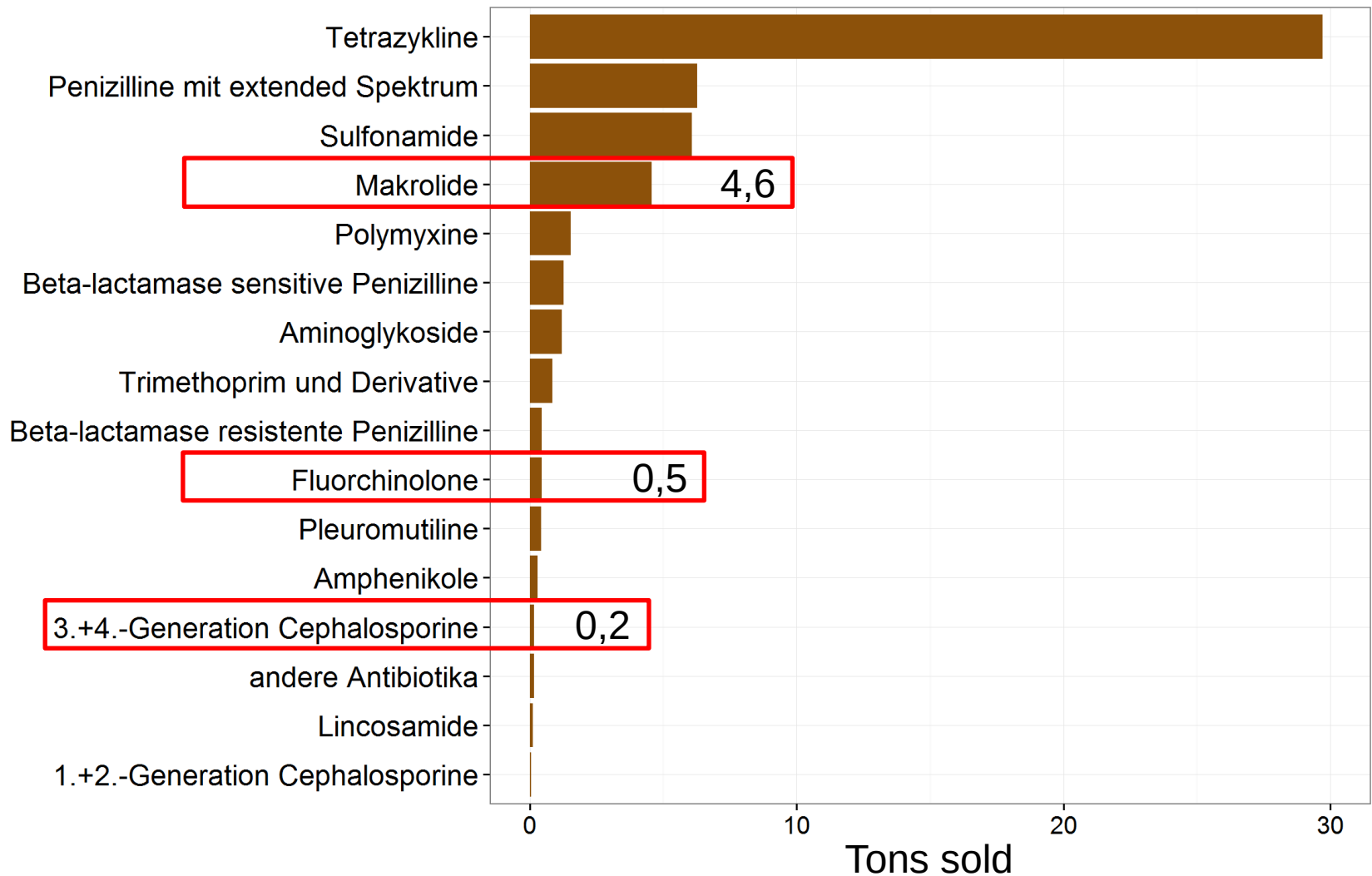
Sales data 2013

comparison of countries (ESVAC)



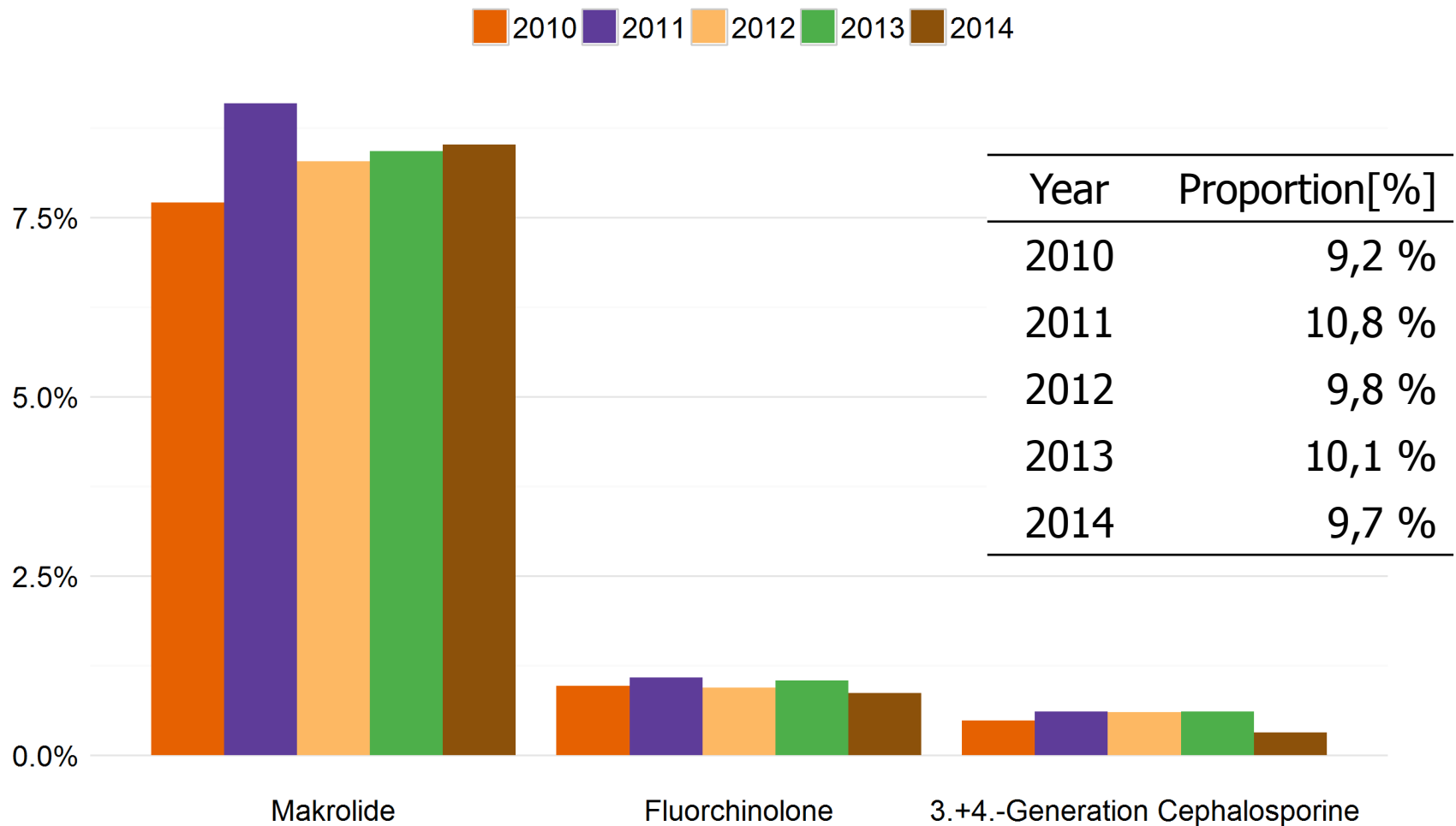
Sales data 2014 - Austria

by active ingredients

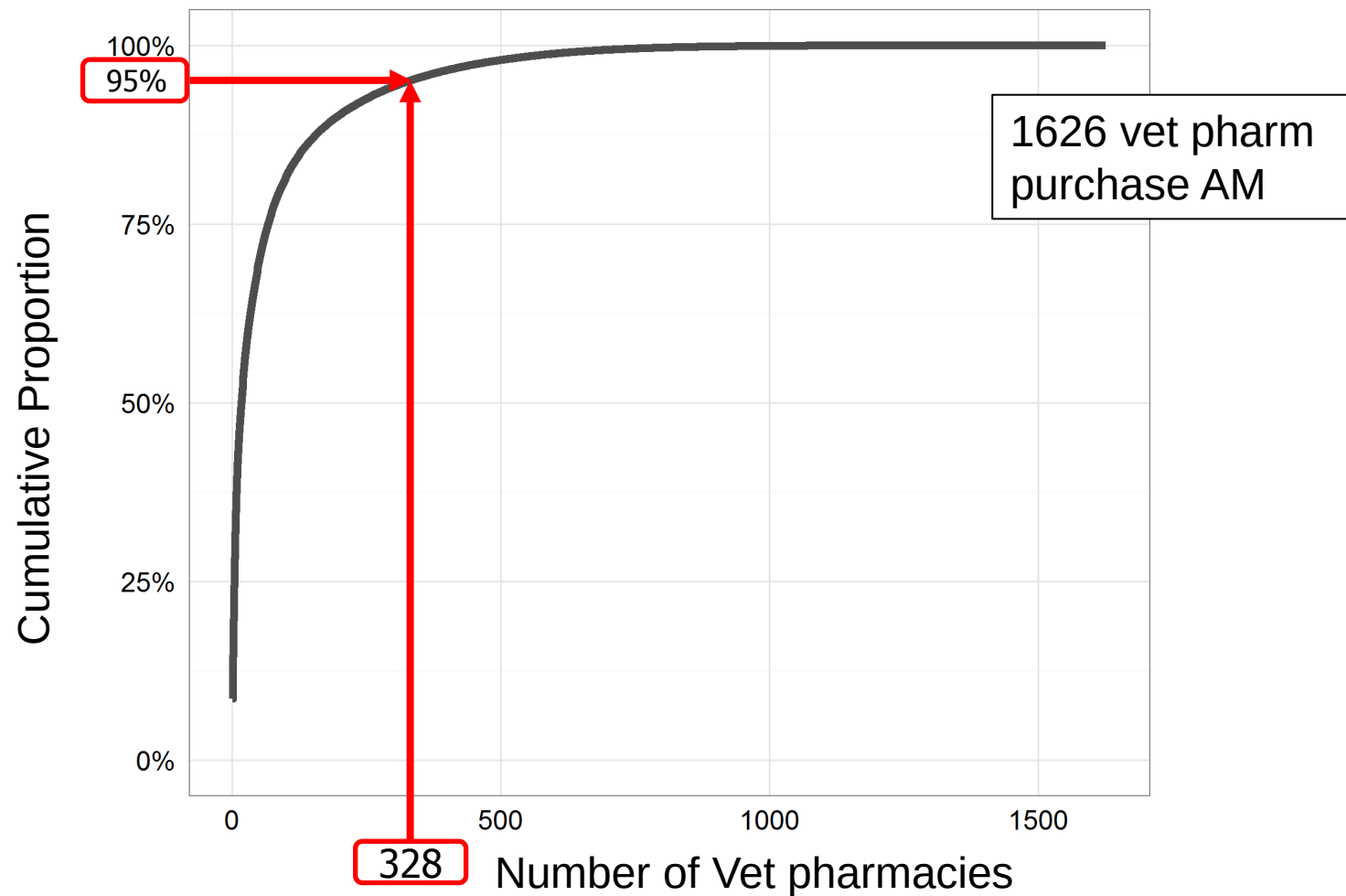


CIA 2014 Austria

percentage of total amount of year

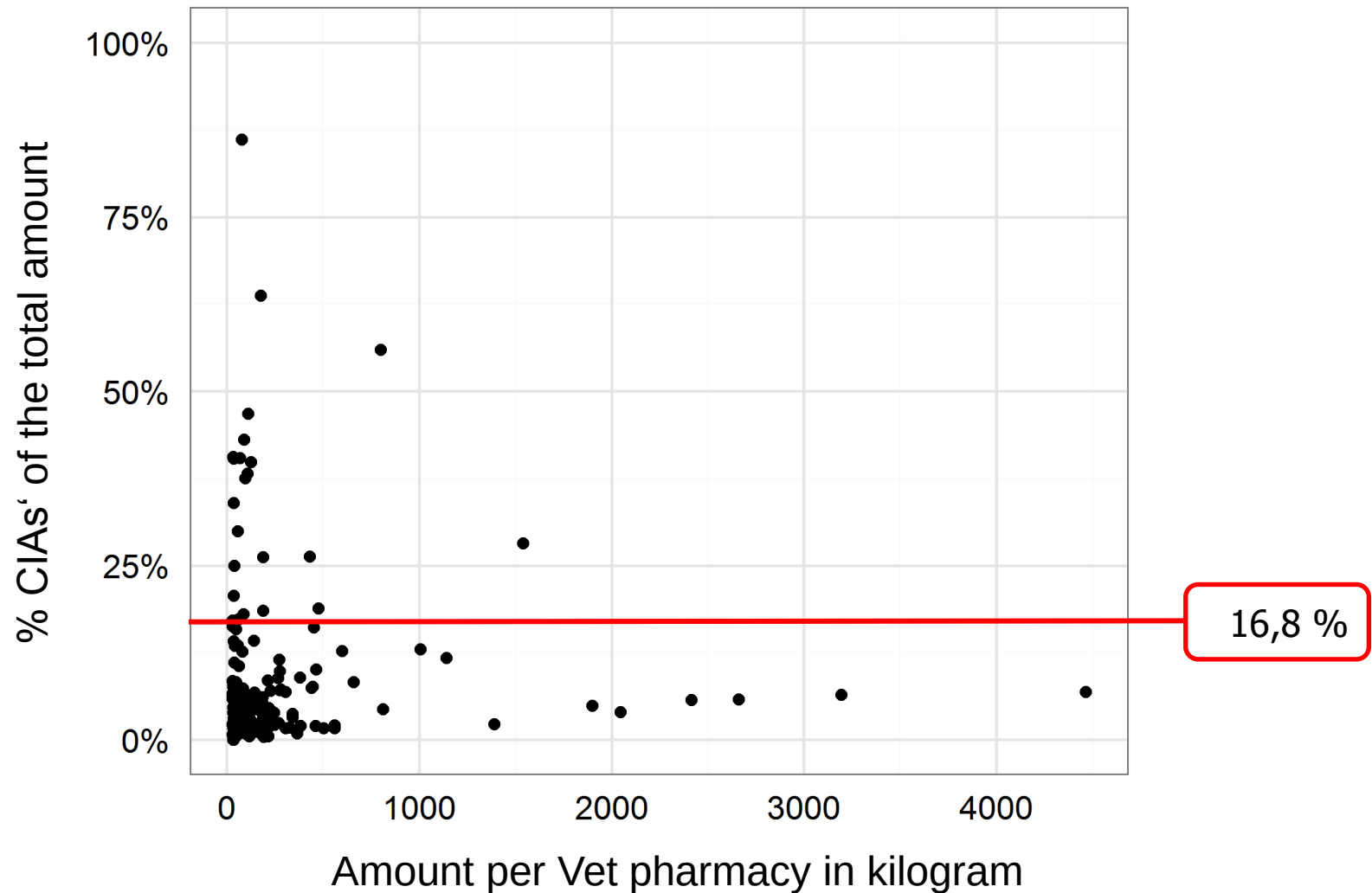


Veterinary pharmacies cumulative density

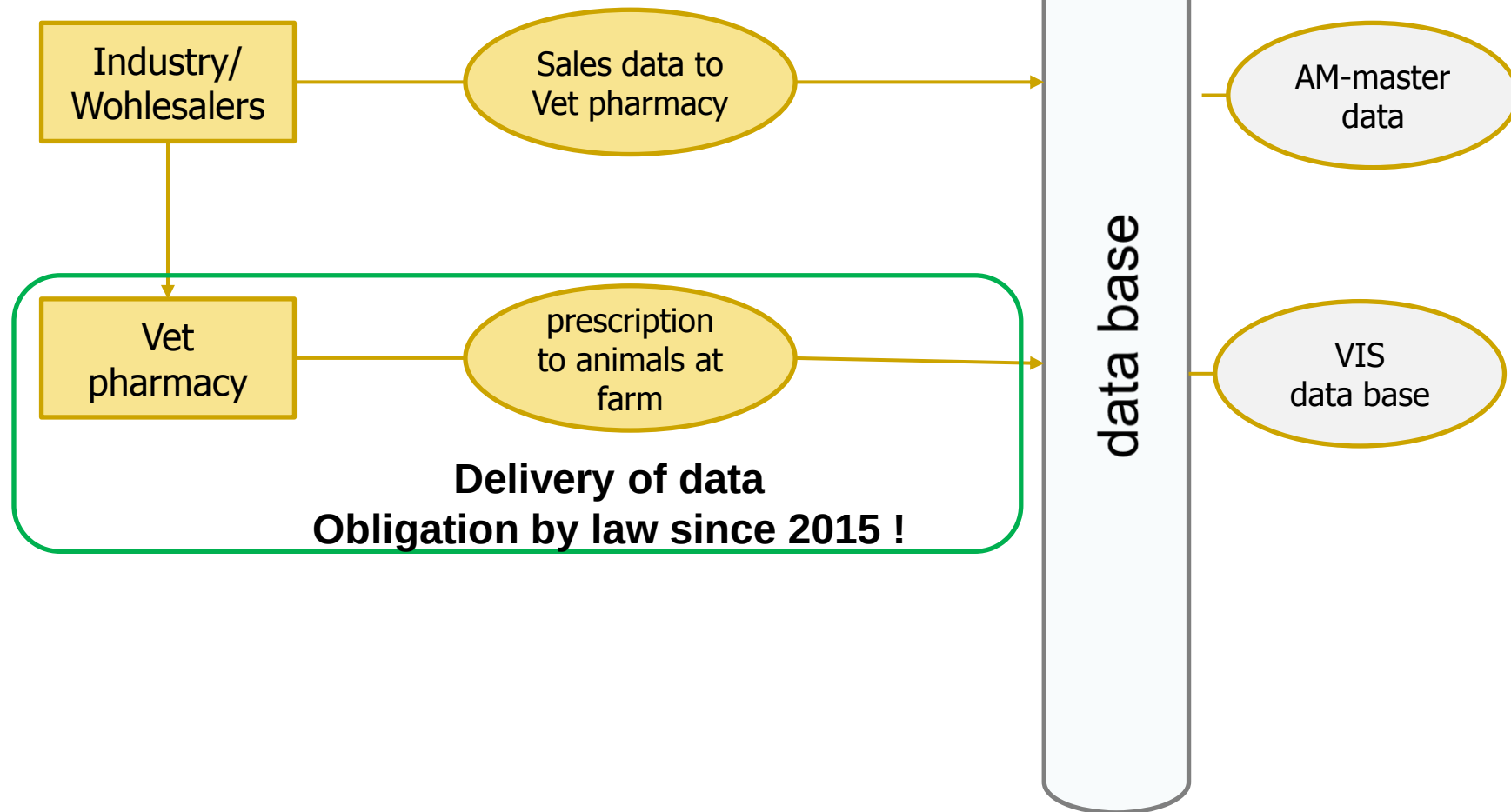


Veterinary pharmacies

proportion of CIA on total amount



Data base since 2015



Veterinary pharmacies

data evaluation and benchmark

- Evaluation

- Differences between amount of AM purchased from industry /wholesalers AND prescribed to animals at farms

- Benchmark

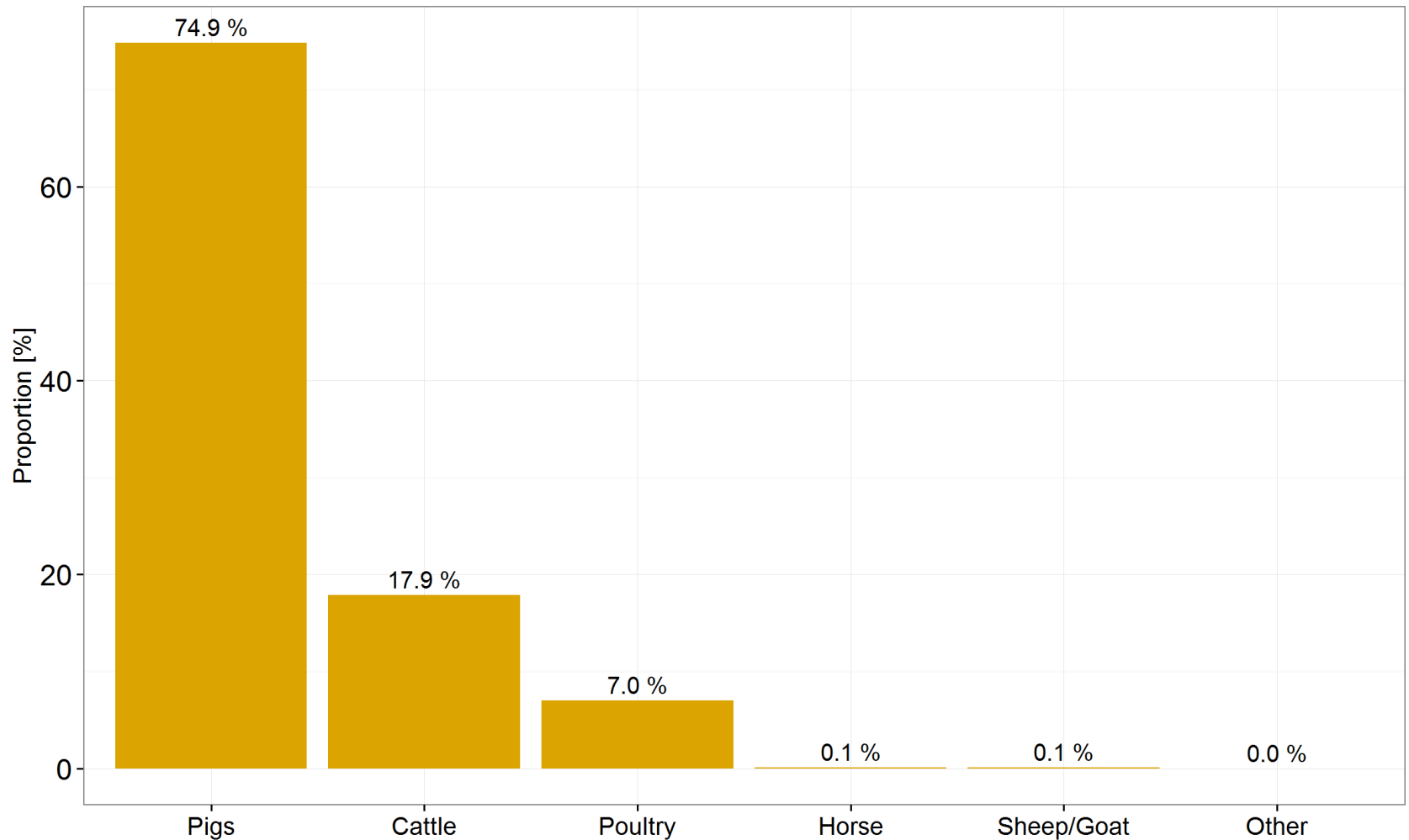
- Amount of AM prescribed to animals at farm vs biomass (number of animals) at farm



**Risk based official Inspections of
veterinary pharmacies**

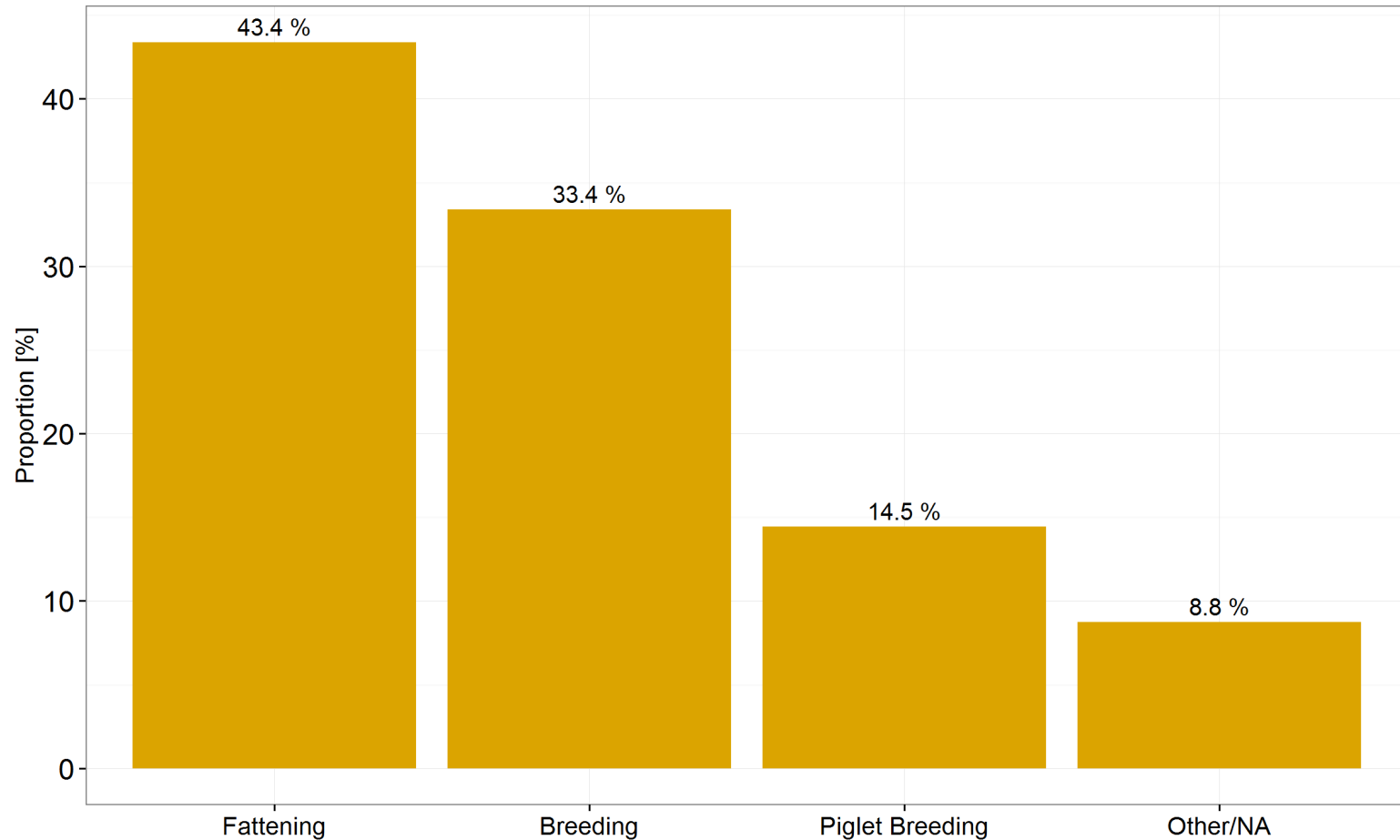
Prescription data 2015

Species - Preliminary Results

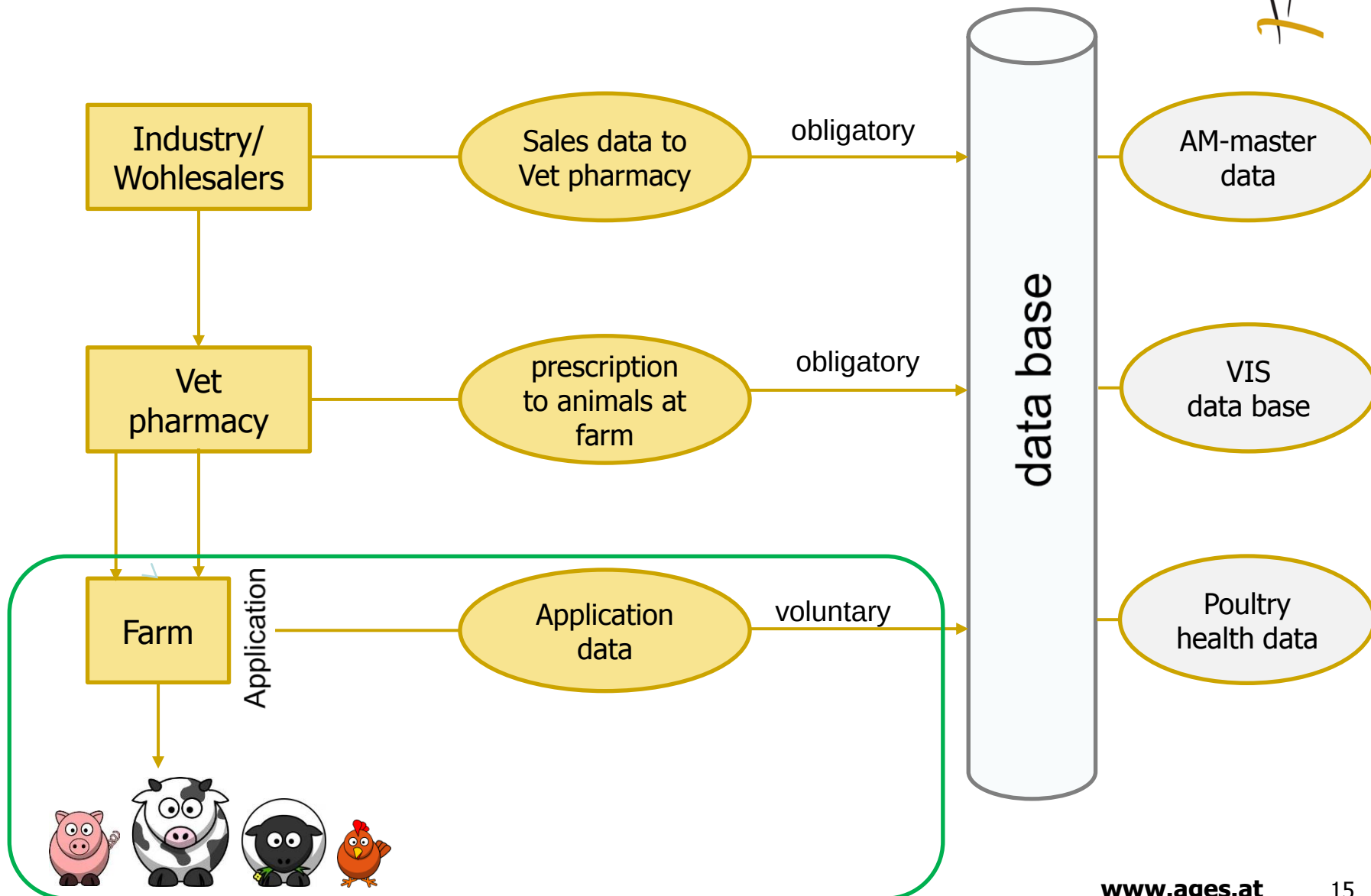


Prescription data 2015

Production type (pigs) - Preliminary Results

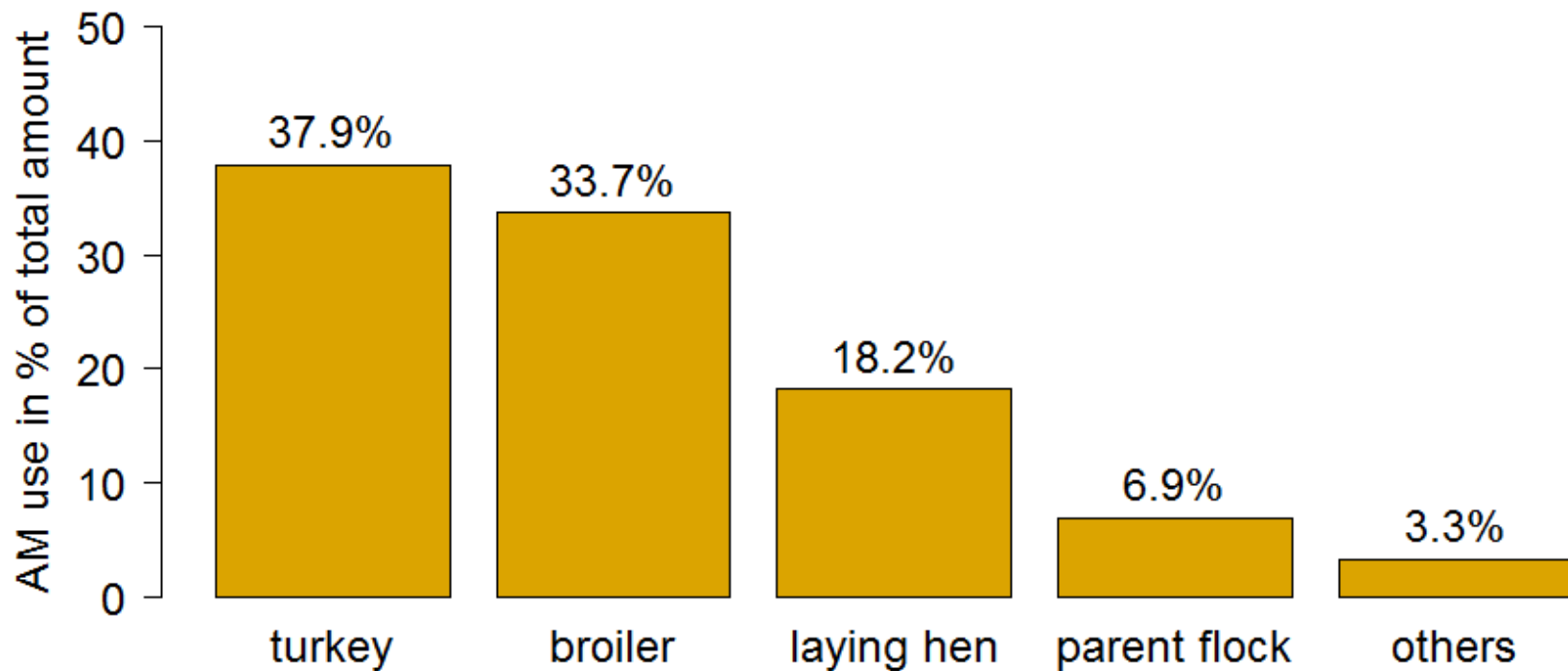


Data base since 2015



application data 2015

Production type (poultry) - Preliminary Results



Thank you for your Attention

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