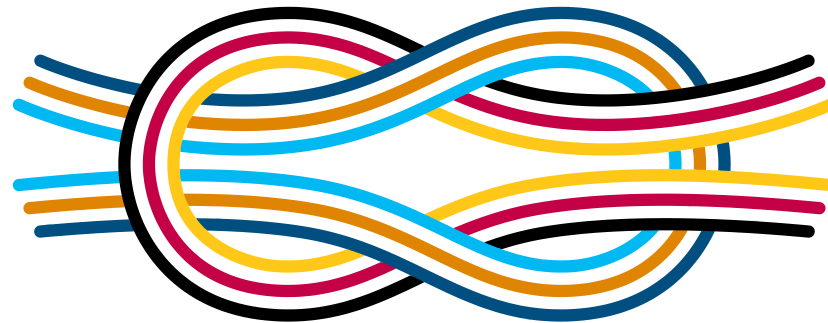




Federal Ministry
of Health

Federal Ministry
of Food
and Agriculture



G20 GERMANY 2017

Meeting of the Public Health and
Veterinary Public Health Institutes of the G20

Challenges Workshop 3

Objectives

- Observe trends
- Alert function
- Increase awareness
- Measure effect of interventions
- Inform recommendations and guidelines

Do we need a one health AMR surveillance database ?

- What do we need (at local, national, regional and global level) ?

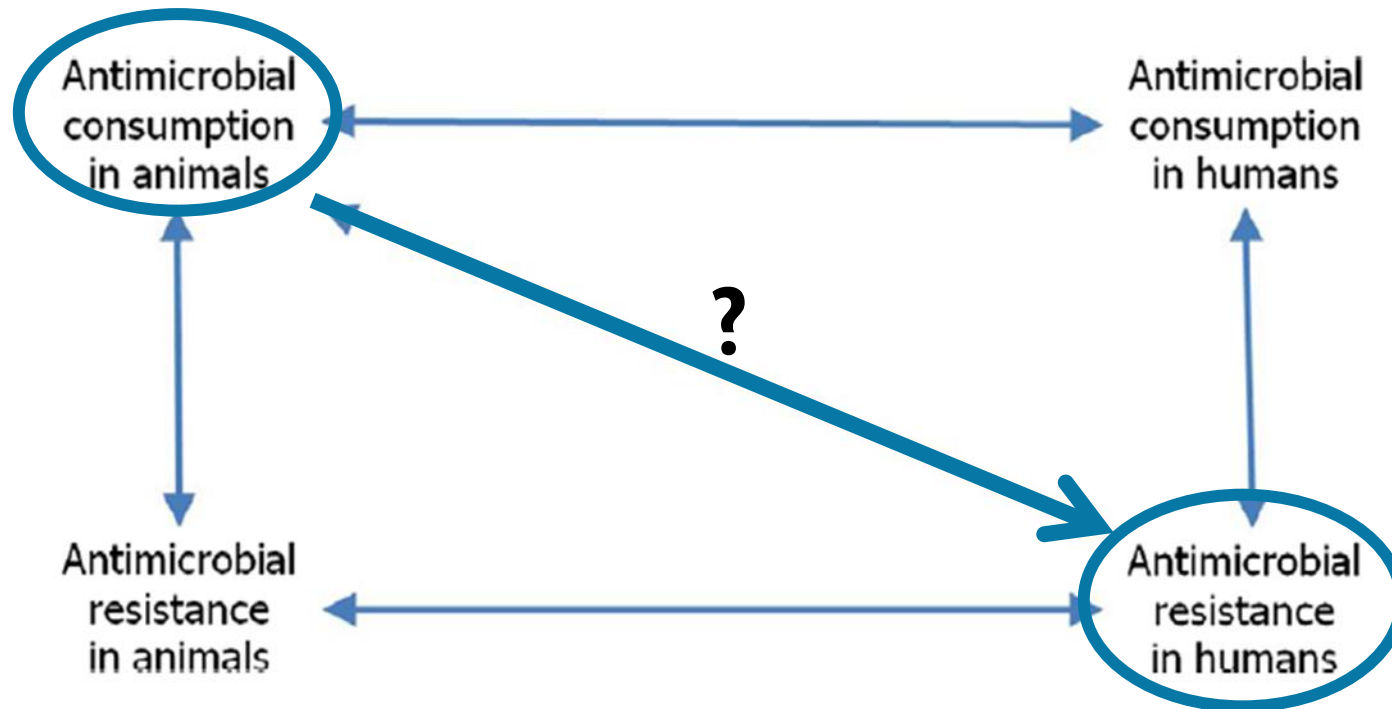
Priorities

- Comparable, validated and timely data from robust surveillance systems for AMR and AMC
- Laboratory and clinical capacity / infrastructure
- Regulations (e.g. prescription and dispensing) and their enforcement
- Data sharing

What is missing ?

- Environment
- Aquaculture
- Other potential drivers (pesticide)
- Role of travel and trade
- Evidence beyond ecological studies (e.g. link sequencing and epidemiological data)

„One Health“ AMR surveillance JIACRA report



Source: Joint Interagency Antimicrobial Consumption and Resistance Analysis (JIACRA) Report (2017)

Challenges AMR surveillance

- Sampling schemata/approach
- Isolate vs. Data collection
- Voluntary vs compulsory (coverage, representativeness)
- Coverage of different populations
- Surveillance of routine samples vs active monitoring
- Differences in private/public sector
- Different agencies involved for AMR/AMC

Challenges AMC surveillance

- Measurement unit
(DDD, DDDvet, mg/kg biomass, days on therapy)
- Counting packages is not adequate
- Pediatric population / fast growing animals
- Amount only vs indication-based
- Assignment to animal species/ production types
- Feedback (benchmarking) and evaluation
- Incentives

Challenges

- Standardisation and harmonisation at different levels
 - Methods for susceptibility testing
 - Sampling and diagnostic procedures (example: clinical specimen vs. Screening)
 - Evaluation criteria
 - Agreed indicators (and common understanding of them)
- Quality control
- Economic aspects

Thank you
for your attention!