

Austria's experiences to implement One Health approach to AMR

Achievements, challenges and lessons learned

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History

- Intersectoral coordination mechanism 2001
- EU-Zoonoses Directive 2003
- Austrian Zoonoses Law 2005
- ECDC assessment 2007
- Formal interministerial AMR platform 2008
- NAP-AMR 2014
- NAP-AMR and NAP-MRE 2019



Directive 2003/99/EC of the European Parliament and of the Council of 17 November 2003 on the Monitoring of Zoonoses and Zoonotic Agents, Amending Council Decision 90/424/EEC and Repealing Council Directive 92/117/EEC

Structure

- **„All in one“**
 - All sectors (human, veterinary, food) **in one ministry**
 - Long tradition of cooperation – formalised in zoonoses platform
- **„Zoonoses Commission“** - acc Zoonoses Directive
 - Legal basis for structures for cooperation on **national and Federal State level**
 - Main aim – fight against zoonoses
 - **Very strong intersectoral group on AMR!**

Achievements

- **NAP – AMR**
 - Basis for all actions human/vet/food sector
- **National Digital reporting system of anonymised data**
 - HAI
 - AMR
- **National standards for**
 - hospital hygiene
 - Antimicrobial stewardship Programme (in process)
- **Yearly Reports on AMR, HAI, Antibiotic Consumption**

Achievements in numbers and indicators

- AMR
- HAI
- Antibiotic consumption
- ECDC study - DALYs

AMR – recent report

- **MRSA**
 - **9,6** (2013) to **5,9** (2017)
 - Lower 1/3 in EU comparison

- **Problems with gram-neg pathogens**
 - Lower 1/3 to EU-average

HAI – recent report

- Point prevalence study – **5,3%**
- All HAI-Net indicator operations: **under or at EU-level**

Antibiotic consumption

- Lower 1/3 EU comparison
- Steadily decreasing (2016: **71,600 t**; 2017: **65,500 t**)

DALYs = Disability-adjusted life-years

DALYs combine

- mortality and
- years lived with disease/disability

- **AUT: 50 – 99/100.000**
- **Lower 1/3 in EU comparison**

*The Lancet Infectious Diseases, 11/2018: **Public health burden of antimicrobial resistance in Europe***

$$DALY = YLL + YLD$$

- **YLL:** Years of **L**ife **L**ost
- **YLD:** Years **L**ived with **D**isease/**D**isability

Challenges

- **Decision making** within political level
 - National and Federal States level
- **Legal basis** for
 - HAI reporting of pseudonymised data
 - AMR reporting of pseudonymised data
 - Antimicrobial consumption in hospitals
 - Linkage of prescription and therapy
- **Interministerial cooperation**
 - Working but has to be intensified

Austria – Status quo

EU comparison - near Nordic countries

BUT – fragile system!

Many activities based on voluntary overwork of engaged experts and institutions

No stabile legal basis!

Problems with Data protection regulation!

Lessons learned

- Speak with the „front workers“ and academics
- Build communities by meetings and cooperations (face-to-face!)
- Involve actively all stakeholders
- Build regional cooperations
- Cooperate with WHO and ECDC and use their offers
- Adapt best praxis models and don`t re-invent the wheel
- Start with voluntary approach and turn it then into legal basis

NEVER GIVE UP!

Thank you for attention!

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