Austria’s experiences to implement One Health approach to AMR

Achievements, challenges and lessons learned

Priv.-Doz. DDr. Reinhild Strauss MSc DTM&H
Director AMR/HAI, Hospital Hygiene, Public Health Service
FM for Labour, Social Affairs, Health and Consumer Protection
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

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
\[ \text{DALY} = \text{YLL} + \text{YLD} \]

- **YLL**: Years of Life Lost
- **YLD**: Years Lived with Disease/Disability
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!

Priv.-Doz. DDr. Reinhild Strauss MSc DTM&H
BMASGK
Phone: +43 664 13 22 163
Email: reinhild.strauss@sozialministerium.at