

# Report from Group IV: Risk Characterization

- Discussion of the approach
- One example (quinolone resistant Salmonella and Campylobacter)
- Risk characterization
  - For Salmonella at least 250 treatment failures and >20 fatal outcomes
  - For Campylobacter similar number of treatment failures fewer fatal outcomes

# Exposure assessment

- Travel related cases ~ 20%
- Water is a minor source
- Pets discarded due to no-quinolone usage
- Foods
  - imported
  - domestically produced (accounted for at least 50% of the domestically acquired cases)

# Risk Management Options

- Animal and food production hygiene (the equivalent of infection control)
- Restricted use of fluoroquinolones
  - voluntary measures
  - regulatory action
- Ban the use completely
- Education (producers, consumers, veterinarians, physicians, etc.)

# For consideration

- Interaction between risk assessors and risk managers (iterative process)
- Embrace and encourage all the information that help us understand the problem
- Involve many experts from different fields
- Look broadly
- When looking at RM options consider combination
- The need for better data (surveillance and research)