

Consumers' fears – are they addressing real risks?

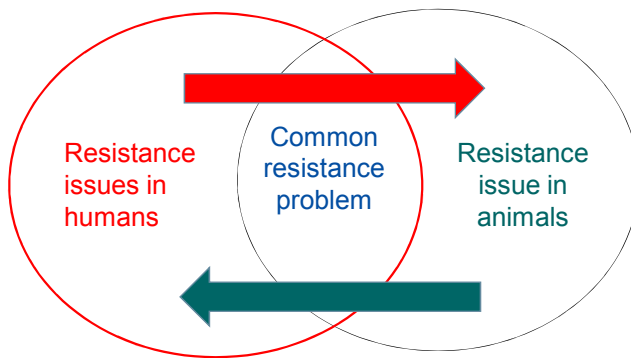
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National Reference Laboratory for Antimicrobial Resistance

Outline of my presentation

- Background
- Knowledge on food related risks in the public
- Data on potential risks to the consumers
- Conclusions

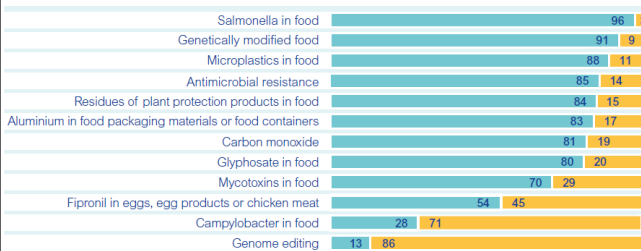
AMR as a typical one health topic



BfR Consumer Monitore 2/2019

Have you already heard about the following health and consumer topics or have you never heard of them?

Awareness of consumers of certain health and consumer topics

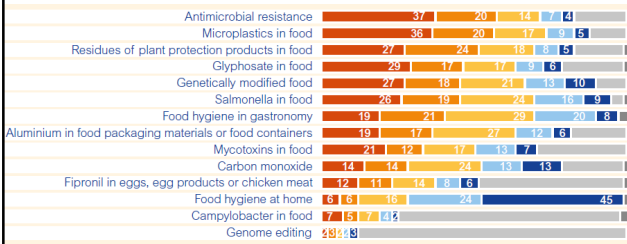


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To what extent are you personally concerned or unconcerned about the following health and consumer topics?

Please use a scale of 1 to 5 for your answer, with 1 representing "not concerned" and 5 representing "concerned". You can graduate your opinion with the values in between.

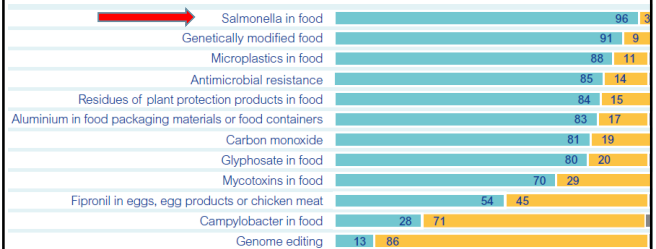
Concern of consumers



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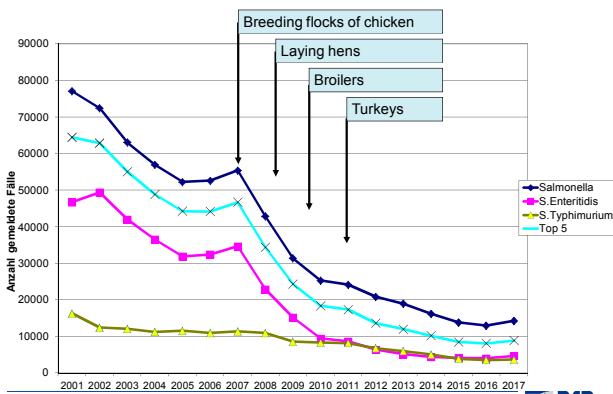
Awareness of consumers of certain health and consumer topics



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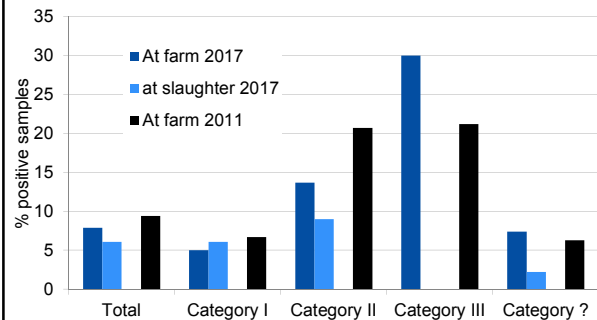
Salmonellosis in humans in Germany (RKI, Survstat, 14.10.2018)



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Salmonella in pigs in Germany



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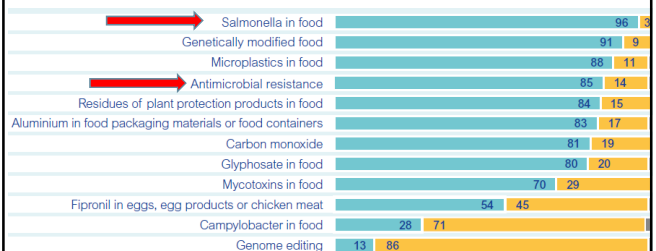
Salmonella - summary

- Pigs do contribute to salmonellosis in humans
- Salmonellosis in humans has been decreasing over the last years
- Reduction was mainly driven by *Salmonella* control programs in chicken and turkeys
- *Salmonella* spp. are widespread in pig production in Germany
- *Salmonella* in meat from pigs is comparatively rare but an issue due to consumption of raw meat.

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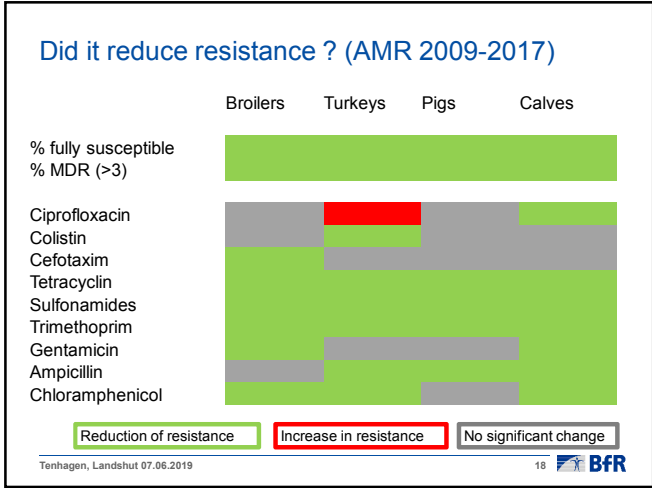
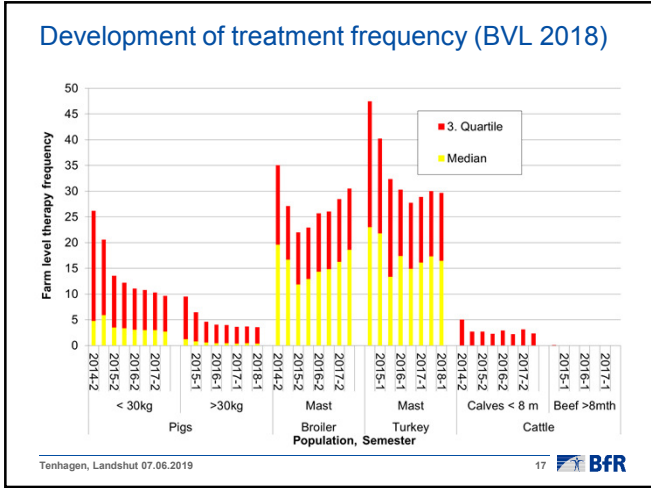
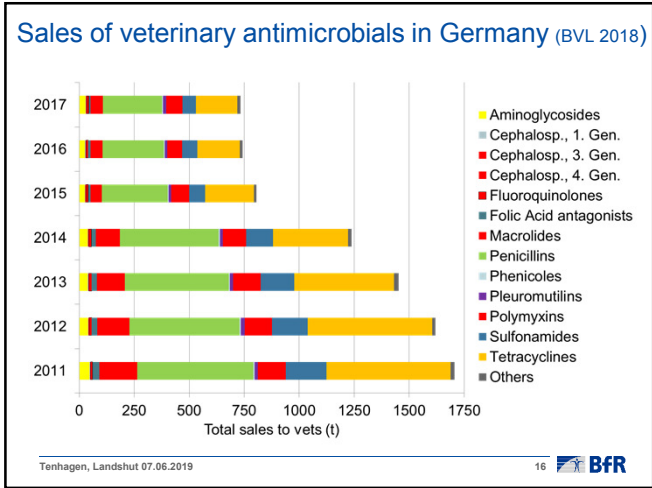
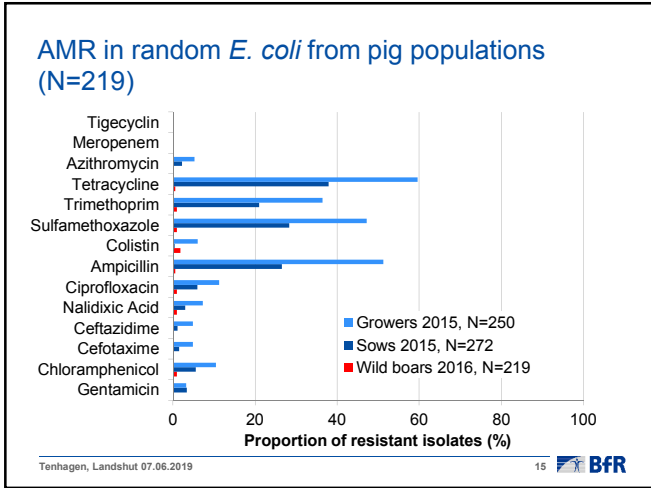
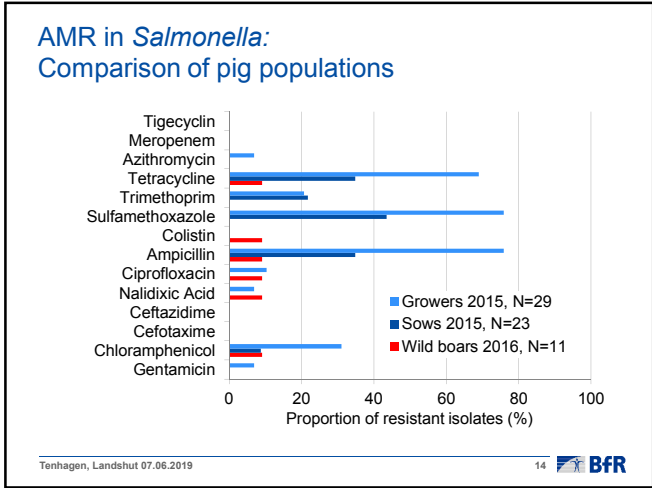
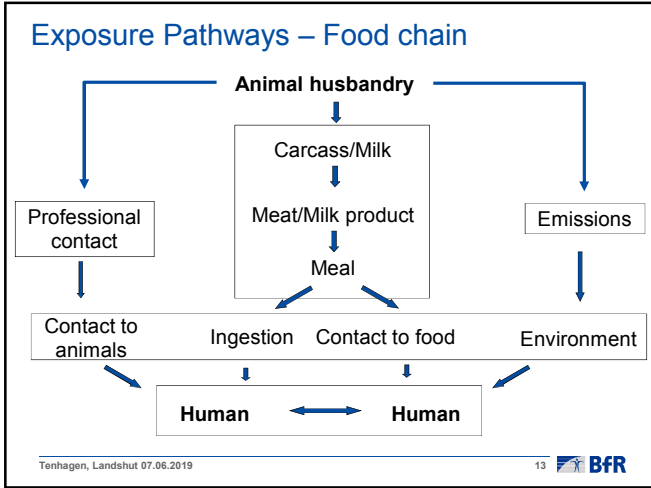
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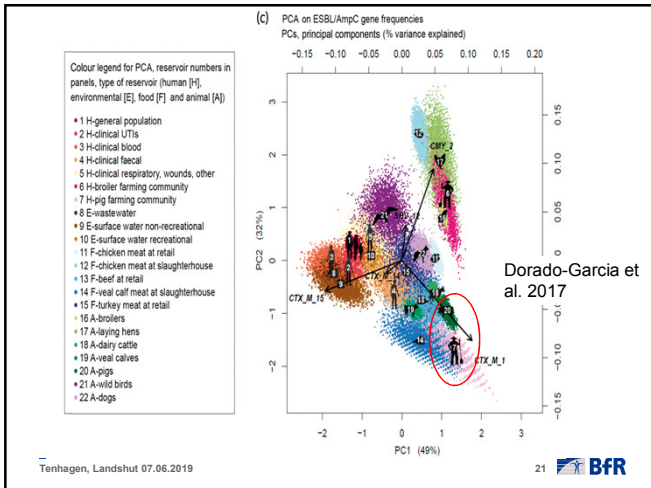
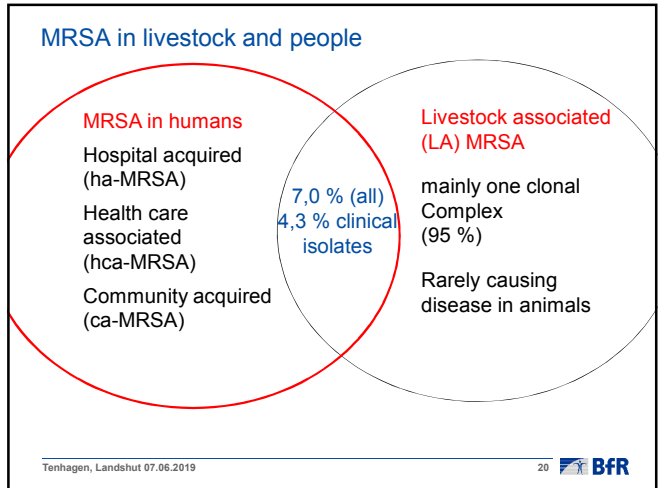
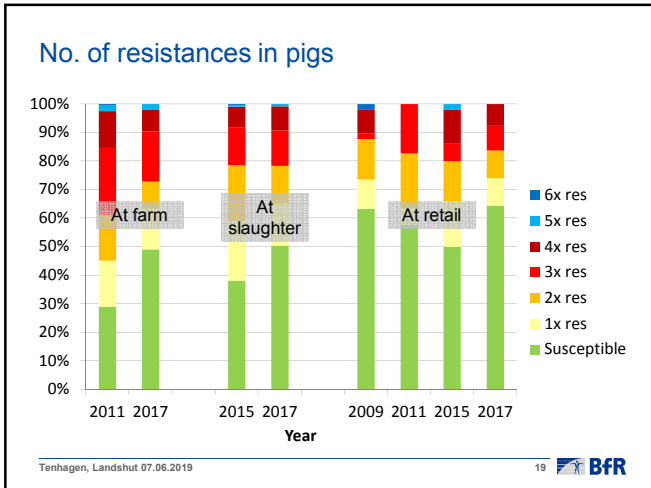
Awareness of consumers of certain health and consumer topics



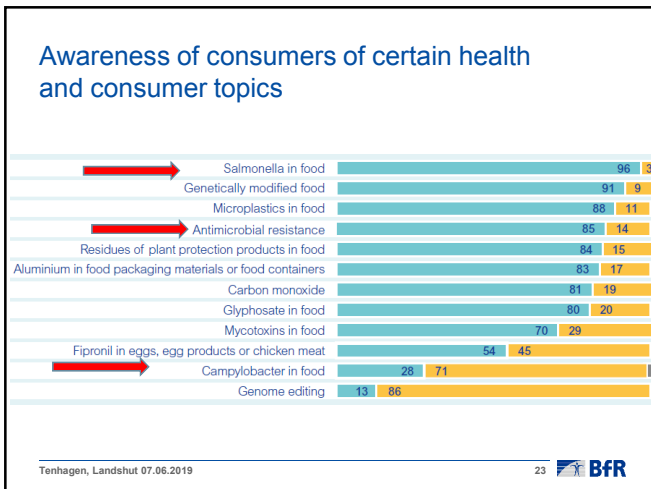
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- ### Summary
- AMU and AMR are issues in pig production
 - Bacteria are frequently resistant to one or more antimicrobials
 - Level of resistance differs between (pig) populations
 - Farm personnel is exposed to resistant bacteria from pigs
 - AMR in meat reflects AMR in slaughtered animals
 - Reduction in antimicrobial use led to reduction in AMR in animals
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- ### Conclusions
- Consumer fears mostly address real hazards
 - Complexity of associations is typically underestimated
 - This may lead to an overestimation of the risk for consumers, i.e. the likelihood that an event of a certain severity occurs
- However,
- A low likelihood of this event requires sustainable control measures on all levels (i.e. from primary production to kitchen hygiene)
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