



Scientific Panel on Biological Hazards

Quantitative Risk Assessment on Salmonella in slaughter and breeder pigs

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- Provide **scientific advice** and **scientific and technical support** for the Community's legislation and policies in all fields which have a direct or indirect impact on **Food and Feed Safety**.
- Provide **independent** information on all matters within these fields with a high level of **openness** and **transparency**;
- **Risk Communication**;
- **Collaboration and Networking**.

EFSA and the EU Food Safety Risk Analysis framework



- The Panel on Biological Hazards deals with **questions** on biological hazards relating to **Food Safety** and **Food-borne Diseases**, including:
 - Food-borne Zoonoses;
 - Food Hygiene;
 - Microbiology;
 - Transmissible Spongiform Encephalopathies;
 - Associated Waste Management.

- In accordance with Reg 2160/2003, the EC must set targets for the reduction of the prevalence of *Salmonella* in pigs.
- When defining each Community target, the Commission must provide a cost/benefit analysis.
- In order to do this, the Commission must first have a quantitative risk assessment.

- Request for a quantitative assessment of the public health risks posed by the presence of Salmonella in slaughter and breeder pigs.
- Original deadline June 2009

- Working group of the Biological Hazards Panel working in parallel to a consortium carrying out the outsourced QMRA.
- The WG provides comments and suggestions to the consortium
- The consortium carries out the quantitative analysis
- The WG drafts an opinion based largely on the QMRA
- Opinion is adopted by the BIOHAZ Panel.
- EFSA staff ensures clear communication between Panel, WG, Consortium, risk-benefit assessors, Commission and coordinates with the baseline studies.
- Calls for data are published on EFSA website, as well as requested through EFSA's Advisory Forum and Microbiological Risk Assessment Network.

- Quantitative Microbiological Risk Assessment (QMRA)
- Grant funded research (Article 36)
 - 800 000 Euros from EFSA
 - 200 000 Euros from Consortium
- Project was awarded to a consortium (VLA, RIVM, DTU)
- Work started Jan 2008

- Relative contribution of *Salmonella* infections in slaughter pigs on *Salmonella* cases in humans
- Expected reduction of *Salmonella* cases in humans by a reduction of *Salmonella* prevalence in slaughter pigs
- Sources of infection for fattening pigs at farm level
- Reduction of the prevalence in slaughter pigs by control measures at farm level
- Impact of transport, lairage and slaughter processes on contamination of carcasses.
- Expected reduction of *Salmonella* cases in humans by the most important control measures during transport, at lairage or during the slaughter process

- The relative contribution of *Salmonella* infections in breeder pigs on *Salmonella* prevalence in slaughter pigs (based on bacteriology in lymph nodes or serology at slaughter)
- The expected reduction of *Salmonella* prevalence in slaughter pigs by a reduction of *Salmonella* prevalence in breeder pigs.
- The sources of infection for breeder pigs and piglets at farm level.
- The reduction of the prevalence in breeder pigs and piglets by the most important potential treatments or control measures at farm level.

- Specifically requested by the mandate to consider the data from the EU baseline studies on
 - *Salmonella* in slaughter pigs
 - *Salmonella* in breeder pigs
- Data gathered in the Annual Community Summary Reports on zoonoses
- and any other relevant information
 - EFSA call for data
 - Consortium workshops

- Consortium has delivered 6 and 12 month reports on time
- WG has started drafting the opinion
- Results from baseline study on slaughter pigs has been published
- Delay foreseen in delivery of the results from the baseline study on breeder pigs This will push back the delivery date of the final opinion

Thank you for your attention

**BIOHAZ Panel as EFSA is committed to independency
and transparency**

THANK YOU!!!

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