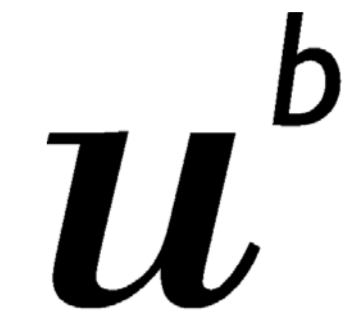


Digitalisation and Consolidation of Health Data in the Swine Industry

Results of a Survey in Switzerland



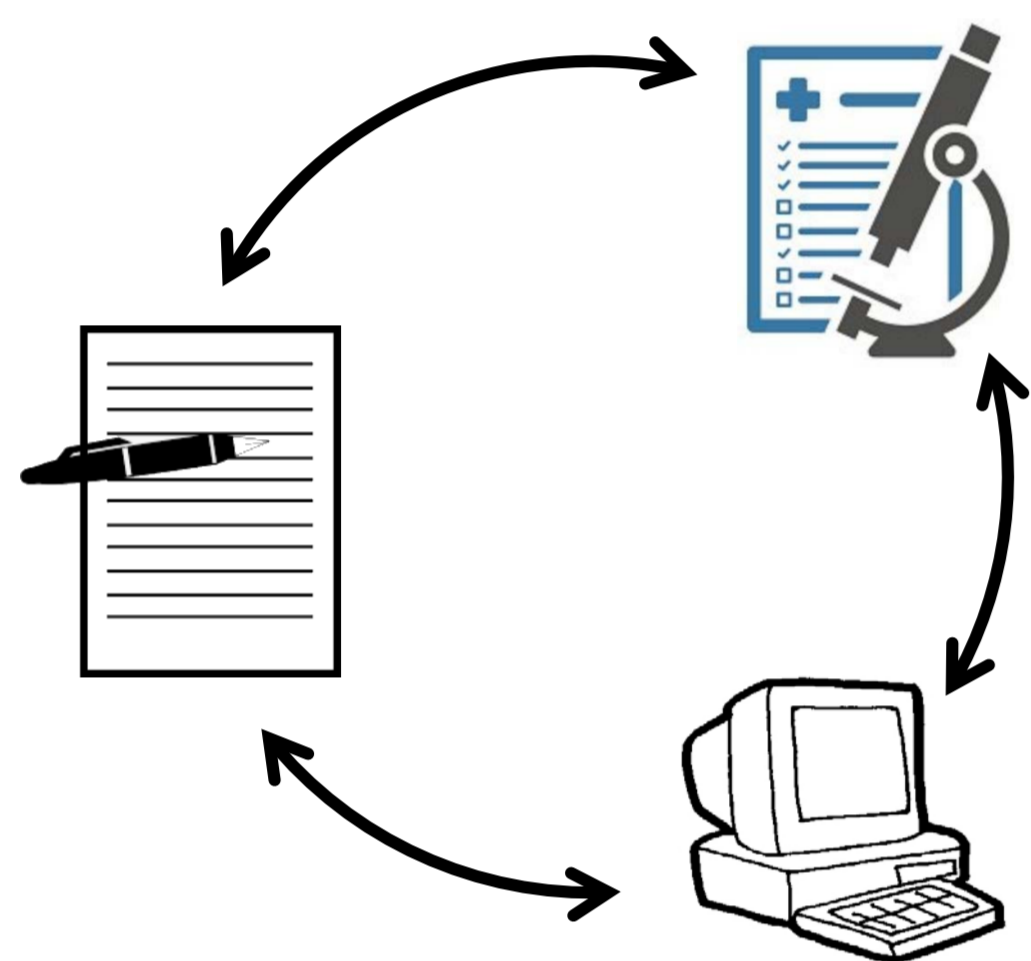
B. Friker¹, R. Özcelik¹, C. Nathues², D. Hadorn², S. Dürr¹
 1 Veterinary Public Health Institute, Vetsuisse Faculty, University of Bern, Bern, Switzerland
 2 Federal Food Safety and Veterinary Office, Liebefeld, Switzerland



UNIVERSITÄT BERN

Background

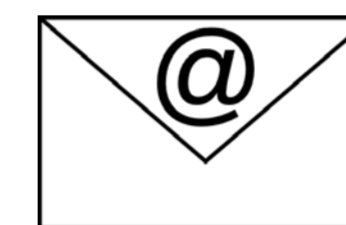
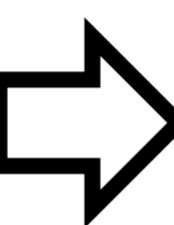
- Rapid development in data digitalisation also in veterinary medicine
- Compiled evaluation of health data has a high potential for herd management and early disease detection
- Multiple data collection in different databases



- treatment journal
- animal movement database
- slaughter inspection data
- clinical records
- and many more...

What did we do?

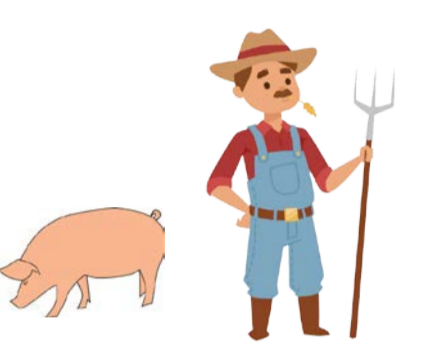
Collection of opinions and needs of pig farmers and veterinarians concerning a systematic collection and evaluation of health data



Questionnaire

E-Mail

pig farmers
(783 responses)



veterinarians
(42 responses)

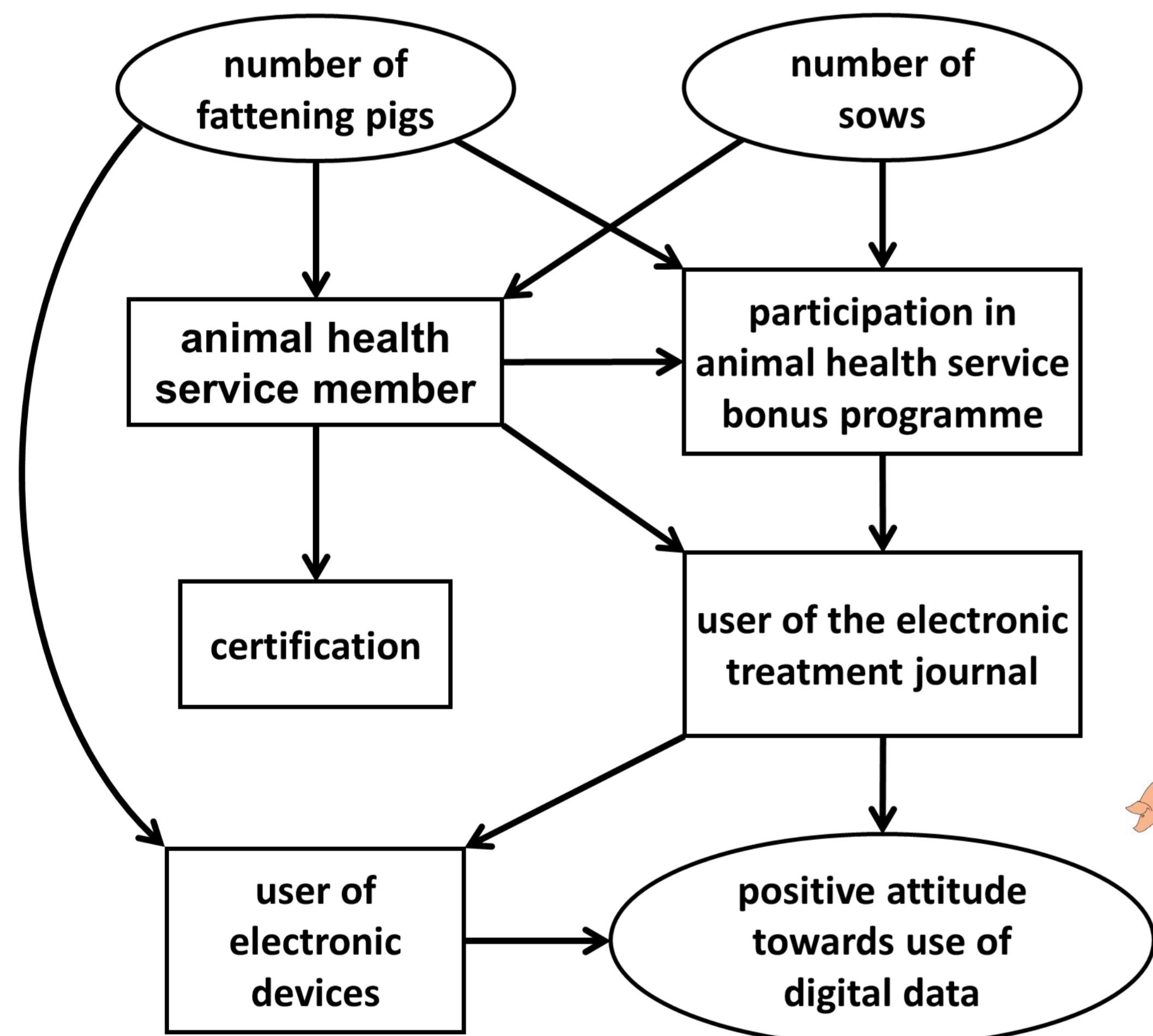


Questions on:

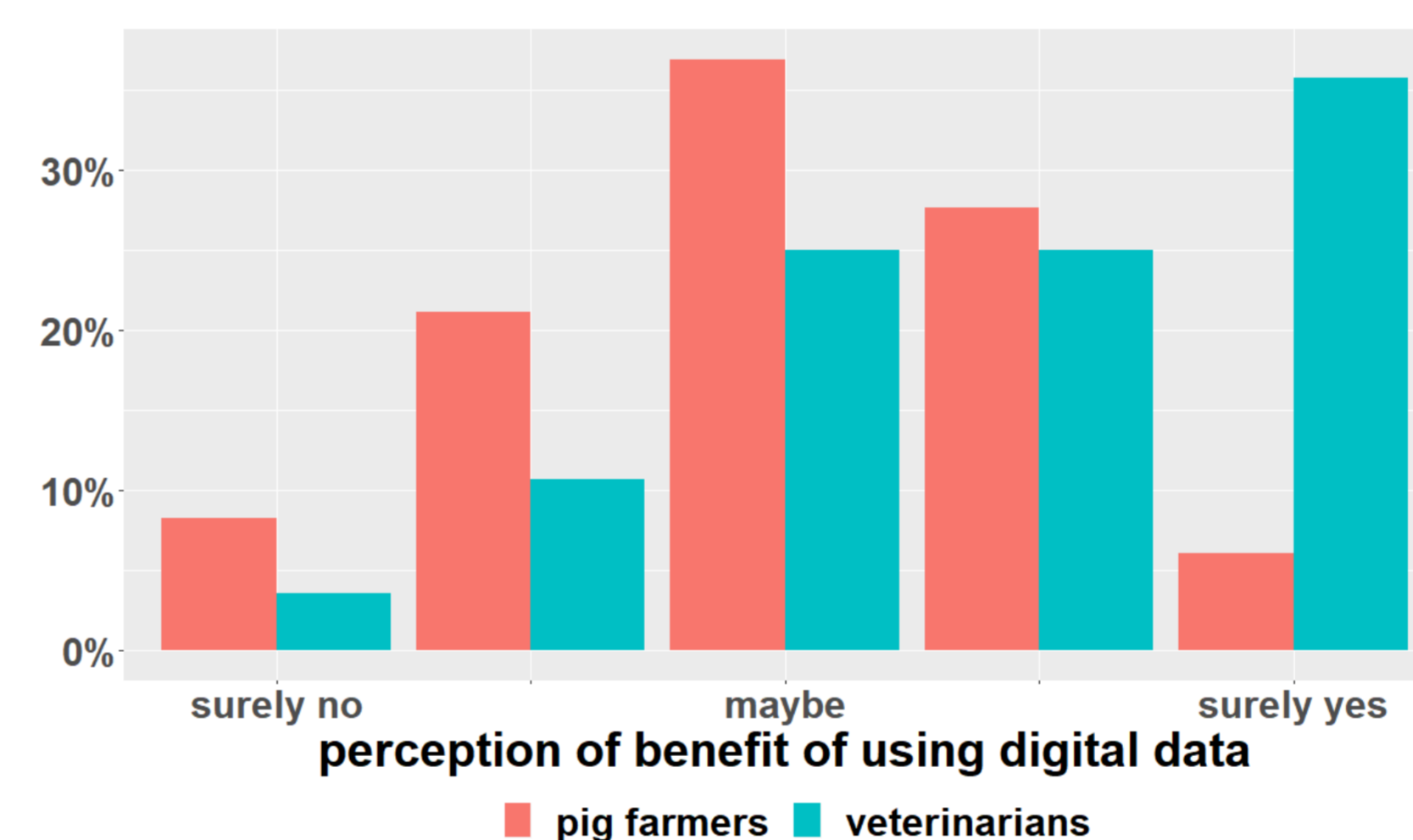
- Demographic and farm / practice structure data
- Data use to date and desires for the future
- Vision for future digital data collection and use of health data

Results

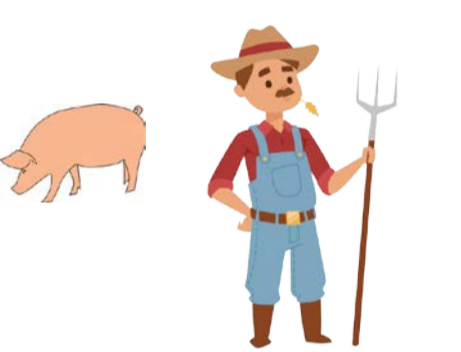
Attitude towards using digital data



Additive Bayesian network showing answer correlations



- Pig farmers are often undecided.
- Veterinarians see more benefit.



Pig farmer who already work with digital data more often see an advantage in their joint evaluation
→ the more pig farmers record their data digitally, the more will recognise the benefit!

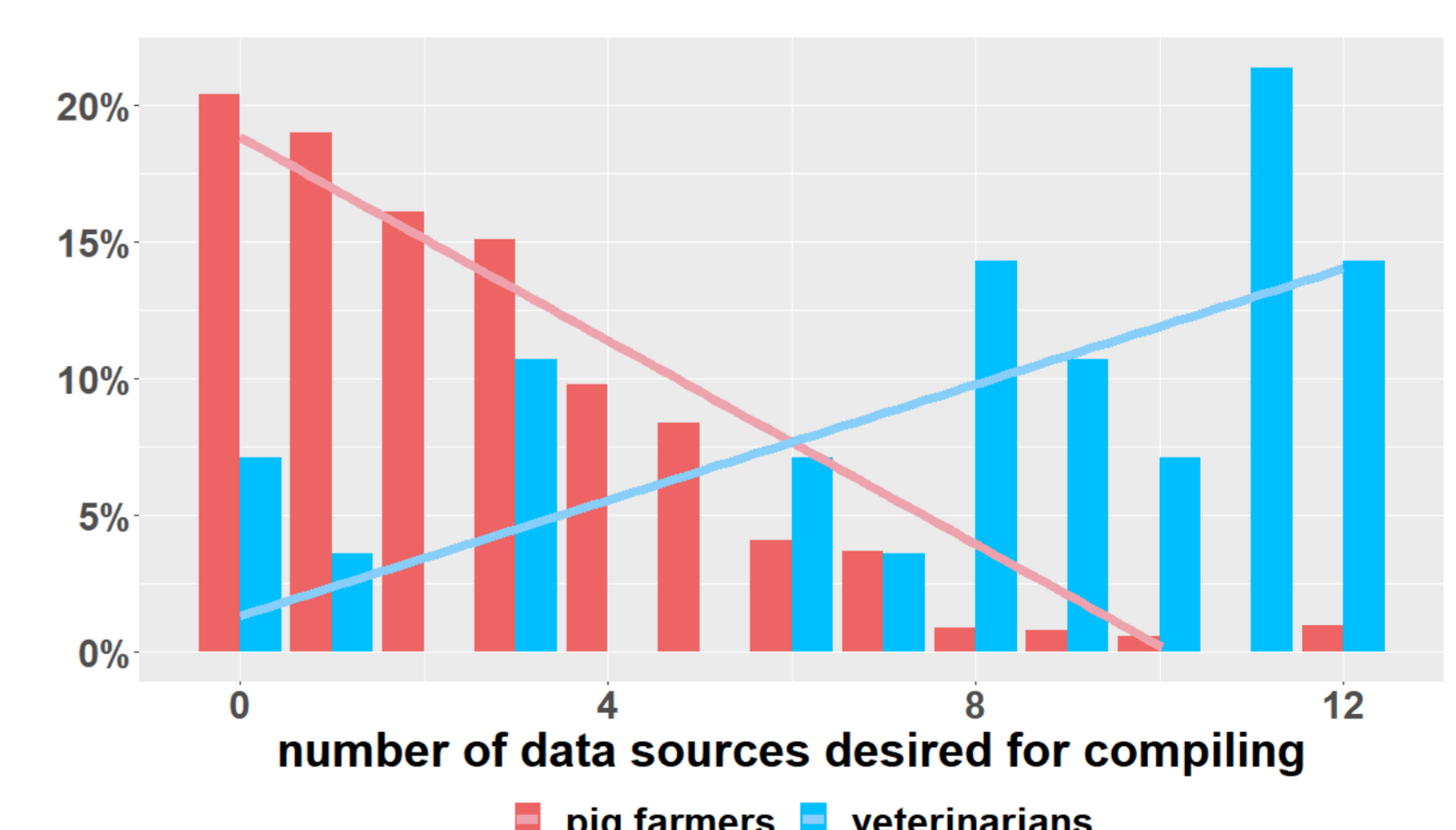
Desired digital recording: How many and which data?



Rather few, mainly what is already used → motivation „reducing effort“?



Many, even if not yet use → motivation „improving veterinary care“?



- **Mentioned most frequently:** electronic treatment journal, slaughter inspection data, animal movement database.
- **Rather unpopular:** Use of benchmarking is not (yet) recognised by pig farmers nor veterinarians.

Acknowledgements

Many thanks to all who contributed to the development of the questionnaire and to all pig farmers and veterinarians who took the time to answer the questions.

Contact

Brian Friker, Resident ECVPH
 Tel: +41 31 631 57 34
 brian.friker@vetsuisse.unibe.ch

