

Why do Dutch finisher pig farms have low or high antimicrobial use?

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Background

The average antimicrobial use (AMU) in the Dutch pig industry is highly influenced by a small number of herds with high AMU.



To decrease AMU in the pig industry, it is important to gain knowledge about the actions to be taken to reduce AMU in high users.

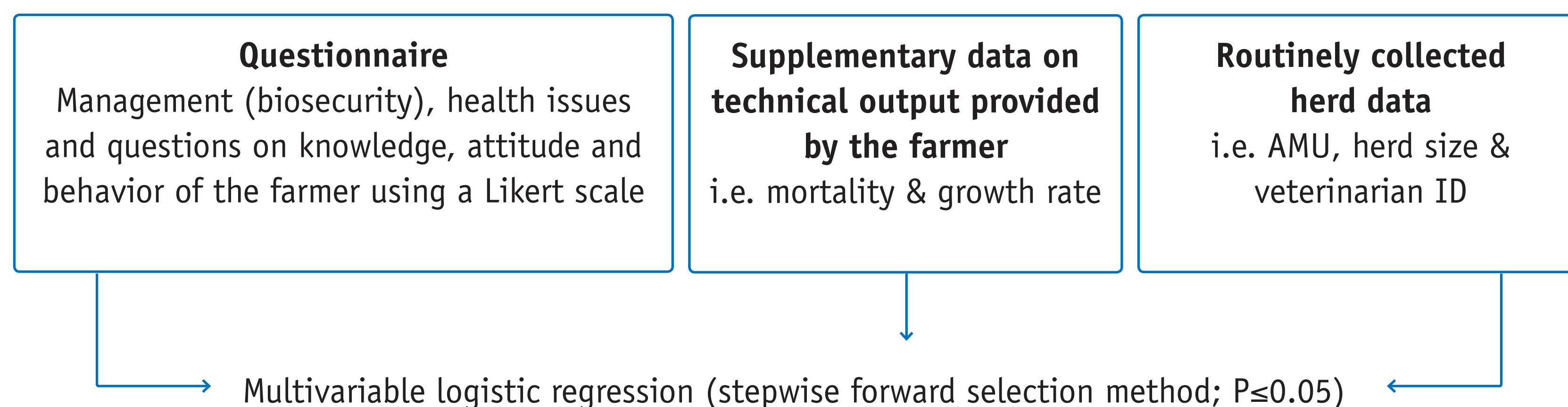


Aim

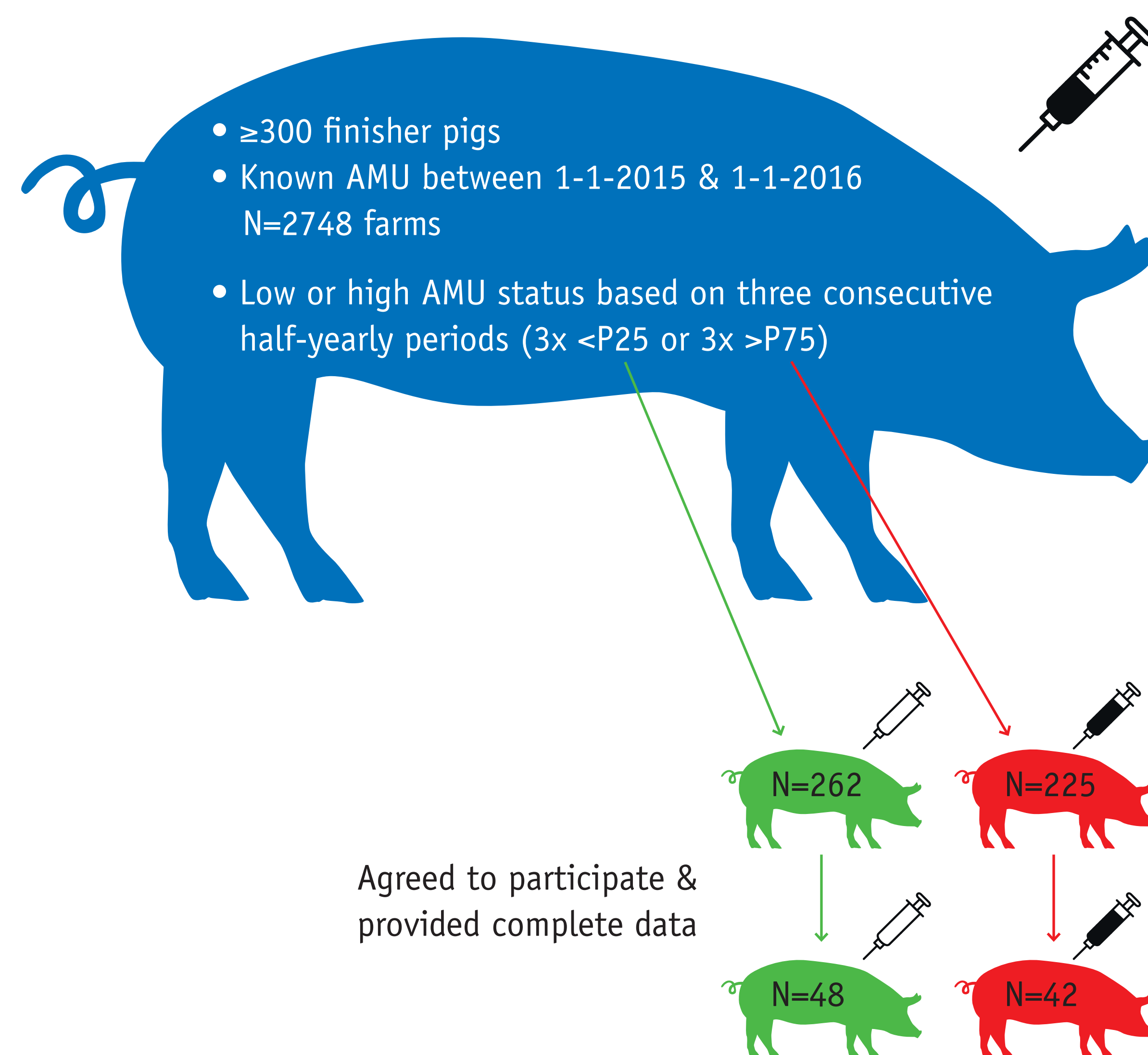
Gain insight into factors associated with a consistently low and high AMU on finisher pig farms.

Material and methods

Three data sources:

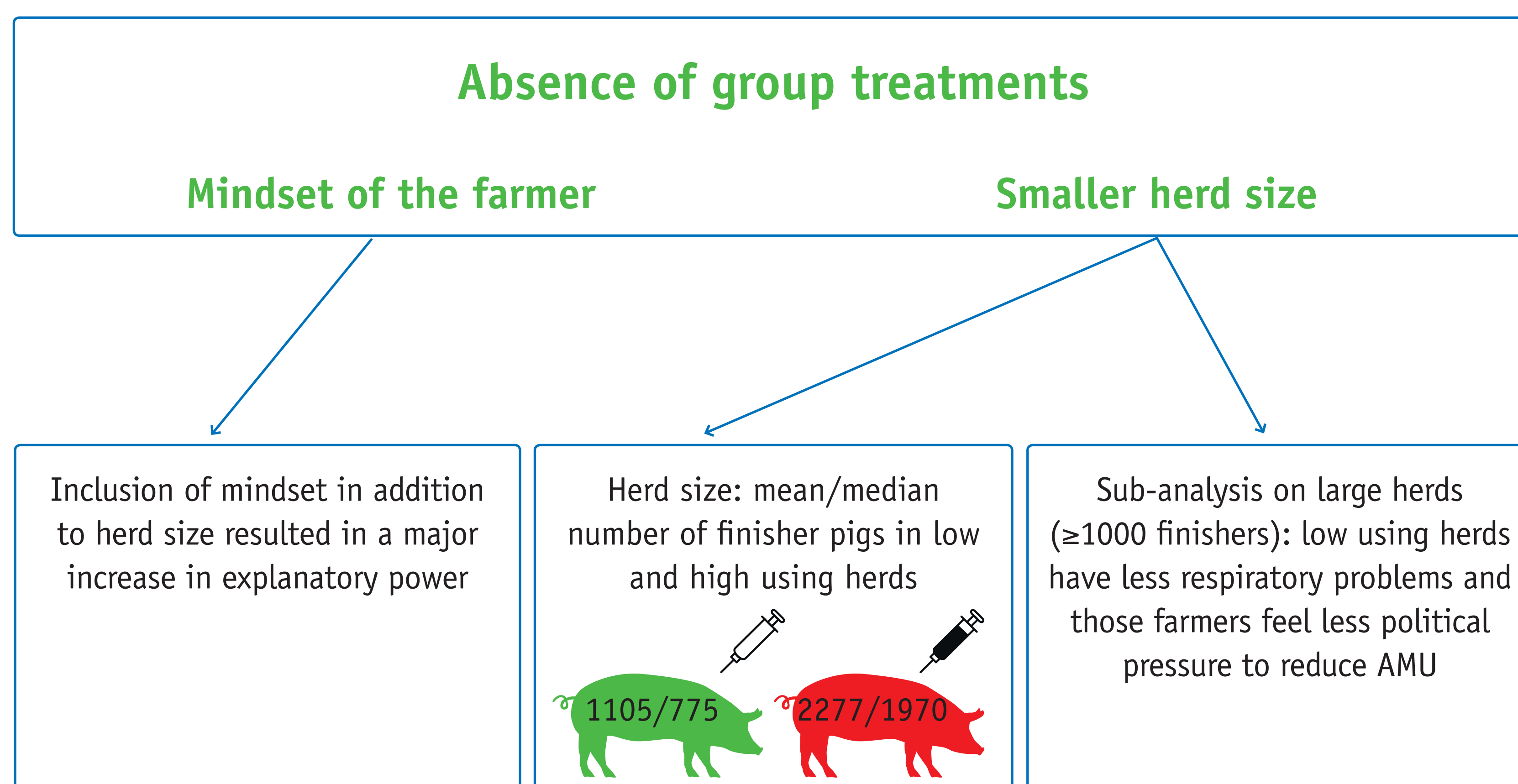


Inclusion criteria for farms:



Results regression model

Factors related to low use:



Discussion

- Model classifies 90% of herds correctly as low/high user
- Most variance explained by absence of group treatments
- Respiratory problems and diarrhoea likely important reasons for group treatments that cause high AMU
- Additional research into role of mindset in AMU recommended



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