

Review of: "Incidence risk of major reproductive disorders of dairy cows and cow-level risk factors in Wolaita Sodo town, southern Ethiopia"

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Potential competing interests: No potential competing interests to declare.

The paper presents important information that farmers, practitioners and governments would find extremely helpful. The authors investigate possible risk factors that are associated with reproductive disorders in a longitudinal type of study.

The selection of farms with above ten cows may introduce bias into the results as farms with larger herd sizes may be more likely to have better management than lower herd sizes. How was the herd size arrived at? Would the results be generalizable to all cattle farms in the area or the larger cattle keeping population in Ethiopia?

How did the authors correct for clustering at the farm level especially when multiple animals from the same farm were selected? How did the authors correct for clustering across time?

In addition, the results would have benefited from a more robust data analysis. The authors present univariate analysis of each risk factor against a reproductive disorder (response variable) whereas multivariate modelling may have provided richer results. Some of the risk factors may be interacting or confounding, how did the authors deal with this?

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