

# 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.

## General comments

The authors report on incidence risks for selected reproductive disorders in a study group of dairy cattle from Ethiopia. The results confirmed previous studies, although some differences were detected that could be due to selection criteria, study design and the relatively small sample size. The report provides information that can be useful to improve management in local herds but is somewhat suffering from a small sample size and apparent lack of specific criteria to ensure standardized diagnostics.

I suggest that the authors provide additional and more detailed information on the basis for diagnoses:

- Were diagnostics standardized among all participating farms, and how was this accomplished for each condition?
- Were diagnoses confirmed by specific tests, or based on clinical opinions?
- Were diseases/conditions diagnosed by one or more veterinarians, farm personnel, or others?
- How was the identity of each individual cow confirmed to be consistent if based on color or owner provided names as mentioned?
- How were multiple disorders in one animal analyzed statistically if not independent from each other?

## Specific comments:

- Please explain why RR data is missing for some parameters in Tables 2 and 5
- Please justify or explain the rationale for determining the classification of age groups, average milk yield groups, parity herd size etc.
- Data on vaccination is missing.