

# Review of: "Expanding Participatory Epidemiology to Explore Community Perceptions of Human and Livestock Diseases among Pastoralists in Turkana County, Kenya"

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Potential competing interests: No potential competing interests to declare.

The study is very interesting and gives insight on the perception of pastoralists in rural areas in Kenya about human and animal diseases. The major problem in my opinion is the methodology :

- 1-The number in each FGD group is different ! Why ? is it proportional to the total number in each village ?
- 2-The ratio men/women is quite different between the 4 counties !! These differences are known to introduce bias in the opinions (women are more emotional than men, but more rational....etc).
- 3-What was the age (mean age) of these people ? Opinions are different among different age groups because of social maturation and long lasting experiences in older people.
- 4-How they were selected ? It could be obviously a selection bias which could impact all the knowledge and opinions of participants
- 5-The resolution of the map is bad and I would like it to show the counties where PE was conducted
- 6-Why the distribution of counters was different ? In Napal, the counters were distributed separately among the top five human and livestock diseases. In contrast, the top diseases were combined in the other three locations, and participants distributed the counters among the ten diseases)
- 7-In table 7, the name of symptoms should not be mentioned in the local language
- 8-In my opinion, the fact that participants gave more importance to livestock diseases than to human ones is associated to their perception to epidemiological indicators. Mortality is more observed among animals than among humans (for them seeing died animals is frequent and touches a higher number, in comparison to human).

The manuscript could be improved by addressing the following remarks and by explaining more in details the methodology by adding more information