

# Review of: "Factors Associated With Hospitalization Outcomes for Cases of Anemia in Pregnancy at a Regional Level in Burkina Faso"

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Potential competing interests: I do not have any potential competing interests

I have gone through the manuscript in detail and found it to be relevant and scientifically sound. Moreover, I have some concerns about the inclusion criteria, where the investigators extracted the data from the regional hospital and a district hospital in Burkina Faso. The point here is that in cohort or case-control study designs, the exposed and non-exposed, or the cases and the controls, should come from the same base population. But here, the exposed and the non-exposed, or the cases and the controls, are extracted from different populations, i.e., regional hospital vs. district hospital...I am asking the authors, "Do you think that patients treated or admitted to regional and district hospitals are the same, or are they getting the same service?".

The other concern I have is in the method of analysis section. Many literatures recommend that historical cohort analysis should be interpreted based on the Relative Risk (RR), not Odds Ratio (OR). Moreover, in the interpretation of the findings of this study, it seems that the study design is a case-control study. It is understood that both historical cohort and case-control study designs are retrospective in nature, but one of the main differences is the method of analysis and interpretation of the results. I am looking for clarification in this regard from the authors.

My recommendation is that the manuscript can be published with minor modifications.