

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: No potential competing interests to declare.

Reviewer's report

General comment: Anemia in itself is a major concern in pregnant women. What is not clear is "unfavorable discharge". This is neither defined nor are its consequences discussed. The title talks about "hospitalization outcomes," yet the rest of the manuscript talks about "unfavorable hospital discharge." There's a need for consistency in regards to the study outcome variable. In my opinion, "Unfavorable hospitalization outcome" may be more appropriate as a dependent outcome.

Abstract: In the background section of the abstract, the statement "This study aimed to analyze the hospital discharge results of cases of anemia for the mother-pregnancy entity at a regional level in Burkina Faso" is not appropriate since it refers to the methods instead of the aim of the study. Please revise.

Background: This also needs significant revision. Revise to indicate how big the burden of "unfavorable discharge" in anemic pregnant patients is, what the gap is, and how the study addressed the gap.

Methods: There's no need to mention the aim under methods. It is not clear how data on the dependent variable was collected. The word "biologic diagnosis" should be changed. In the variables, the dependent variable and independent variables should be defined clearly. Is it "hospitalization outcome" or "hospital discharge"? Specify the study site correctly. What are cascades? It is also not clear whether the patients were discharged before or after delivery/termination of pregnancy.

Results: This is fairly well-written. Biologic anemia is not a standard term and should be revised.

Discussion: The discussion needs an overhaul. The author should begin by mentioning the results of the study and interpret them in light of previous studies and relevance to policy change. The limitations, though important, should come at the end.

Conclusion: The conclusion section needs to have a better recommendation derived from the finding of association of some factors with unfavorable hospital outcomes.

