

# Review of: "Determinant of Vaccination Status among Children Under Five years in Mattu Town, Oromia Regional State, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

The study has assessed the vaccination status and associated factors among children under five years old in Mattu town, Ethiopia. The research found that only 57.6% of the children completed their vaccination, while 42.4% did not complete their vaccination. The vaccination status of children under five years of age was significantly associated with mothers' marital status, educational status of the household head, income level of the household and area of residence of the household.

This paper could be improved further, please see my comments below.

1. Define complete vaccination in the method section. Does it mean receiving all the vaccines which are included in the Ethiopian EPI schedule? Since the definition of complete vaccination is not universal.
2. The status of partially vaccinated children is not mentioned in this paper, it would have helped to have a complete picture of the vaccination status among the target children in Mattutown
3. The introduction needs a major revision. It is advised to move all discussions and referenced studies in the introduction to the discussion section to compare the results of your paper with other studies. Also include studies from LMICs on determinants of childhood immunization in the discussion section.
4. The sample is small, the study could benefit from a larger sample size. Can you please indicate the population of under-five children in the Mattu town?
5. The study should include a more comprehensive analysis of the factors associated with incomplete vaccination, such as healthcare access, awareness, and attitudes towards vaccination, to provide a more nuanced understanding of the issue
6. In the conclusion the paper should consider discussing potential interventions or recommendations to improve vaccination coverage in Mattu town, based on the study findings
7. Please check reference no.02 and 03.