

Review of: "Assessing the knowledge, attitude, and practice (KAP) of parents and service providers' perceptions on invalid vaccine doses: A study in urban slums of Bangladesh"

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Potential competing interests: No potential competing interests to declare.

Very interesting manuscript.

I still recommend improvements:

Methodology:

Quantitative part:

- Add a reference for STATA
- Vaccination guidelines in Bangladesh. To understand the vaccine timing and schedule, you must include it in the article.
- Questionnaire for KAP: The authors should describe the questionnaire as an existing tool, briefly describe its psychometric properties, and provide references to its original development. If it's a new tool, you should describe the steps undertaken to develop and test it, and if this was not done, authors should mention it along with its potential limitations.

Qualitative part:

- How was the key informant selected?
- What methodological orientation was stated to underpin the qualitative study part?
- How many people refused to participate or dropped out? Reasons?
- Where was the data collected? e.g., home, clinic, or workplace
- Was anyone else present besides the participants and researchers?
- Were questions, prompts, and guides provided by the authors? Was it pilot-tested?
- Were repeat interviews carried out? If yes, how many?
- Data saturation needs to be discussed.
- How many data coders coded the data?
- Which coding approach did the authors use in the study?
- Were themes identified in advance or derived from the data?

Results:

Add the non-response rate

Discussion:

- You should discuss the part "Reasons for Providing Invalid Vaccine Doses: Service Providers' Perspective"
- I suggest add the strength of the study
- What this study adds to the literature?