

Review of: "Determinant of Vaccination Status among Under-Five Year-Old-Children: In Case of Mattu Town, Oromia Regional State, Ethiopia"

Dr Sudhir Khanal¹

¹ World Health Organization WHO

Potential competing interests: No potential competing interests to declare.

The article is a good attempt to document public health events and has made good use of statistical analysis.

The article will benefit by addressing the following comments:

1. Please include what the definition of a full or complete immunized child is, as referred to in the article.
2. Please include in the methods section how the vaccination status was confirmed - by history, by vaccination card, or by review of records at a health facility, or other methods.
3. Please mention how many of the children vaccinated had valid doses; this is important to know if the fully immunized children received valid doses or not.
4. Please also add in the discussion why children under five years of age were included to determine vaccination status in children under 1 year of age; normally, the age group selected is 12-23 months.
5. In the sample size calculation, P is taken as 0.5, while the researcher has already quoted P as around 0.61 in a similar study. Please add in the discussion why P=0.5 was taken for this population.