

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.

Thank you for engaging me to review your article, and congratulations on the step.

Please find the comments below.

You may not need to repeat or rephrase this statement: 'The study conducted in Wadera District, South East Ethiopia, showed that only 41.4% were fully vaccinated, and 58.6% of the children were not fully vaccinated.' i.e., you may remove this statement, '58.6% of the children were not fully vaccinated.'

Not clear here. Did you include those under 1 year? 'Children whose ages were above five years were excluded from the study, and children aged five years and fewer were included in the study.' - I think under 1 year may not be included as, for basic vaccinations, we need to study them when they complete 1 year.

Under the Study Design, you may need to include that your study was Quantitative (unless it was mixed or qualitative, though I have seen it to be purely quantitative).

Under the results section, you may not need to repeat all the numbers described but take a key message like "Though Orthodox had a high proportion (30.5%), it was almost equal to Muslim and Protestant as compared to other religions, which contributed only 16%."

The Chi-square test could be very helpful if combined in one table, i.e., Table 1 and 2 being in one table to enable seeing if there are any significant differences.

If you can state the age-appropriate vaccination as observed in the 2016 EDHS report, this is very important information we always miss and is highly used to measure the strengths of the EPI and identify areas for improvement. African countries are still struggling to capture this data, and when household/community-based data is accessed, it can be used to determine age-appropriate vaccination. Otherwise, you may recommend it for further research, though I wish you could have captured it as far as you accessed home-based records. If you had limitations for this, then you can also state them.

