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REVIEWER'S REPORT

Manuscript No.: IJAR-58194

Title: Factors associated with diarrhoea among children under five in Guinea: analysis of the 2018 Demographic and Health Survey (DHS-V) data.

Recommendation:
Accept as it is □□√□□..
Accept after minor revision□□□
Accept after major revision □□□□□
Do not accept (*Reasons below*) □□□

Rating	Excel.	Good	Fair	Poor
Originality	√			
Techn. Quality		√		
Clarity		√		
Significance		√		

Reviewer ID: JP085

Reviewer's Comment for Publication.

This study analyzed factors associated with diarrhea among children under five years of age in Guinea using data from the 2018 Guinea Demographic and Health Survey (DHS-V) involving 7,951 children. The study found that young maternal age, low maternal education, rural residence, poverty, and poor access to health facilities increased the risk of diarrhea. Exclusive breastfeeding, full vaccination, adequate antenatal care, media access, and good nutritional status were identified as protective factors. The findings highlight the need for integrated public health interventions to reduce childhood diarrhea.

Strength:

1. Addresses an important public health issue.
2. Large, nationally representative sample.
3. Appropriate use of multivariable logistic regression analysis.
4. Results are clearly presented with tables and figures.
5. Findings are useful for health policy and child health.

Weakness:

1. Cross-sectional design cannot establish causality.
2. Secondary data limited the inclusion of some important variables.
3. Possible recall and reporting bias from survey responses.
4. Findings may not fully reflect the current situation because the data are from 2018.
5. Minor language and formatting corrections are needed.
6. Discussion could include more comparison with recent international studies.

Overall assessment:

The manuscript is well organized and addresses a significant child health problem using a large national dataset. The statistical analysis is appropriate, and the findings are relevant for public health planning.

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