

REVIEWER'S REPORT

Manuscript No.: IJAR-54551

Date: 27/10/2025

Title: *Factors Influencing Adherence to Antiretroviral Therapy among People Living with HIV in Kimisagara, Rwanda*

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 Name: Dr. S. K. Nath

Date: 28/10/2025

Reviewer's Comment for Publication:

This research provides valuable insights into the factors influencing ART adherence among PLHIV in Kigali's slum environment. The use of quantitative methods and relevant variables makes it a meaningful contribution. However, to enhance its clarity, coherence, and professionalism, I recommend a minor revision addressing structural organization, elaboration of instruments, and language corrections.

Reviewer's Comment / Report

Strengths:

- Relevance and Importance:** The study addresses a critical public health issue adherence to ART among PLHIV in an urban, slum environment in Rwanda. It contributes valuable knowledge toward improving HIV treatment outcomes in resource-limited settings.
- Comprehensive Approach:** The research incorporates a mix of psychosocial, clinical, and behavioral factors, providing a holistic understanding of adherence determinants.
- Methodological Roresight:** Use of validated instruments (e.g., Cronbach's alpha of 0.90 indicating high reliability) and adherence to ethical standards demonstrate methodological rigor.
- Data Analysis:** Application of univariate, bivariate, and multivariate logistic regression analyses enhances the robustness of findings, identifying both associated factors and their relative importance.
- Clear Presentation of Results:** The inclusion of chi-square tests, Adjusted Odds Ratios, and confidence intervals offers useful quantitative insights, aiding interpretation.

Weaknesses:

- Organization and Clarity:** The structure of the provided pages appears disjointed, with some sections jumping between topics (e.g., from psychosocial factors to clinical factors). Improving logical flow would help readability.
- Limited Explanation of Instruments and Variables:** While reliability and validity are mentioned, more details on the questionnaires, scales, and operational definitions of adherence would strengthen the methodological transparency.
- Sample Size Justification:** The sample size calculation using Yamane's formula is referenced but not fully detailed. Including specifics about the target population and sampling procedures would enhance reproducibility.
- Incomplete Context and Literature Review:** The literature review is fragmented; integrating findings into a cohesive narrative would clarify how this study adds to existing knowledge.

International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

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5. **Typographical and Grammatical Errors:** Several typographical (e.g., "adherence on ARTs" instead of "adherence to ART") and grammatical issues are present, which may impact professionalism. For example, inconsistent use of abbreviations and minor punctuation errors.
6. **Limited Discussion and Conclusion Sections:** Based on the provided pages, a comprehensive discussion interpreting the findings in light of existing literature seems missing. The conclusions should be expanded for better insights and recommendations.

Recommendations to the Author:

- **Revise the structure** to ensure logical flow from introduction, literature review, methodology, results, to discussion and conclusion.
- **Elaborate on measurement tools** and define key variables explicitly.
- **Proofread carefully** to correct typographical and grammatical errors.
- **Expand the discussion** to interpret findings thoroughly and suggest practical interventions.
- **Include complete references** and ensure consistency in formatting.