Review Form 3

Journal Name:	**Asian Journal of Probability and Statistics**
Manuscript Number:	**Ms_AJPAS_128462**
Title of the Manuscript:	**STATISTICAL ANALYSIS OF FACTORS ASSOCIATED WITH NON-COMPLIANCE WITH EPIDEMIOLOGICAL STANDARDS IN THE BOKORO HEALTH ZONE FROM 2021 TO 2023**
Type of the Article	**Original Research Article**

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.
To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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<mark>**Important Policies Regarding Peer Review**</mark>

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<mark>**PART 1:**</mark> **Comments**

	Reviewer's comment	Author's Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript addresses a critical issue of non-compliance with epidemiological standards in the Bokoro Health Zone, an area that faces recurrent health challenges such as measles outbreaks, tuberculosis, and malaria. The study provides valuable statistical insights into the sociodemographic, cultural, and organizational factors influencing compliance. Given the current health crisis in the region, understanding these factors is essential for improving public health strategies and ensuring more effective surveillance and intervention programs. The findings could inform future public health policies and interventions aimed at reducing morbidity and mortality in similar health zones globally.	
Is the title of the article suitable? **(If not please suggest an alternative title)**	The title is clear and accurately reflects the content of the study. However, it could be slightly revised to make it more concise. I suggest the following revision: **Suggested Title:** "Statistical Analysis of Factors Contributing to Non-Compliance with Epidemiological Standards in the Bokoro Health Zone (2021–2023)"	

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Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is concise but lacks a clear summary of key findings and statistical results. Including the most significant results, such as the p-values or the factors most strongly associated with non-compliance, would provide a clearer preview of the study's contributions. I suggest the following revisions: • Add a brief mention of the statistical analysis methods used. • Highlight one or two key findings, such as the influence of socio-cultural factors on non-compliance. **Suggested Revision:** "This study analyzes factors associated with non-compliance with epidemiological standards in the Bokoro Health Zone (2021-2023) using univariate and bivariate statistical analyses. Key factors influencing non-compliance include socio-demographic, socio-cultural, and organizational factors. Our findings reveal significant correlations between non-compliance and factors such as health area of origin, membership structure, and occupation, with recommendations for improving compliance and surveillance efficiency."	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically sound, and the statistical analyses appear appropriate for the study's objectives.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references appear adequate, but some of the sources seem outdated, particularly those referencing historical health policies from the 1970s. It would strengthen the manuscript to include more recent studies on epidemiological surveillance and public health interventions. I recommend adding references to recent research on health system strengthening, especially in resource-constrained settings.	
Is the language/English quality of the article suitable for scholarly communications?	The language and English quality are generally suitable for scholarly communication. However, there are a few minor grammatical errors and awkward phrasing in some sections. I recommend a thorough proofreading to improve clarity and flow. Specifically, some sentences in the introduction and methods sections could be restructured to enhance readability. **Examples of minor corrections:** • "The study employs two types of statistical analysis" → "The study employs two types of statistical analyses." • "The health zone is today experiencing a total regression" → "The health zone is currently experiencing a severe regression."	
Optional/General comments	The manuscript provides a valuable contribution to the field of public health, particularly in the context of low-resource settings. With some minor revisions, it has the potential to be a highly impactful study for researchers and policymakers working in global health.	

PART 2:

	Reviewer's comment	Author's comment *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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