

REVIEWER'S REPORT

Manuscript No.: IJAR-55944

Title: Prevalence of Cardiac Disease and Associated Risk Factors in Ashthgam Village in the Navsari District: A Community-Based Cross-Sectional Survey

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: 27.01.26

Detailed Reviewer's Report

Strengths of the Study:

- The study addresses an important public health issue concerning cardiovascular risk factors in a rural Indian setting, which is often underrepresented in research.
- It utilizes a community-based cross-sectional design, providing relevant data on prevalence and risk factors.
- The methodology includes direct measurement of blood pressure and cholesterol levels, enhancing data reliability.
- The study emphasizes the need for targeted community screening and health promotion policies, contributing to preventive cardiology efforts in rural populations.
- The focus on a specific village allows for localized health interventions and resource planning.

Weaknesses of the Study:

- The small sample size (n=47) limits generalizability and statistical power.
- Convenience sampling may introduce selection bias and affect representativeness.
- The absence of detailed statistical analysis beyond descriptive data weakens the interpretation of findings.
- The study does not specify ethical approval or informed consent procedures.
- Limited demographic and lifestyle data restricts understanding of confounding factors.
- No discussion on potential measurement errors or calibration of instruments.
- The presentation of some data, such as graphs and tables, could be clearer and more detailed.
- The literature review in the introduction is brief and could be expanded for contextual depth.

Reviewer Comments:

- **Title and Abstract:** The title accurately reflects the study focus. The abstract is clear but could benefit from explicitly mentioning the study's geographic scope and the specific risk factors assessed. Including key prevalence figures in the abstract would enhance its completeness.
- **Introduction and Objectives:** The introduction effectively highlights the global and national burden of CVDs but could be strengthened by integrating recent local or regional data. The objectives are clear, focusing on identifying the prevalence of risk factors.
- **Methodology and Statistical Analysis:** The methodology outlines the study design; however, details regarding sample size calculation or justification are missing. The use of convenience sampling warrants acknowledgment as a limitation. Data collection methods are appropriate but

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lack details about measurement standardization. The analysis remains descriptive; incorporating inferential statistics would enhance validity.

- **Results and Discussion:** Results are presented clearly, with appropriate categories of data. The discussion appropriately contextualizes findings but should include comparisons with existing literature or national statistics to strengthen insights. Limitations such as sample size and sampling method should be discussed.
- **Conclusion and Implications:** The conclusion appropriately summarizes findings and emphasizes the necessity of community screening. Recommendations for future research or intervention strategies would improve practical relevance.
- **Ethical Clearance:** The manuscript does not mention ethical approval or informed consent, a critical oversight. Clearance should be obtained from an institutional review board, and this must be explicitly stated.
- **Language and Presentation:** The manuscript is generally well-written but includes minor typographical and grammatical errors. Improving sentence structures and ensuring consistency in formatting will enhance readability.
- **Tables, Figures, and References:** Tables are appropriately used; however, details such as confidence intervals or p-values are absent. Figures like graphs are adequate but could be better labeled for clarity. References are relevant but could be expanded for comprehensiveness.

Additional Note: Based on the review of the content provided and standard practices for scholarly publications, there are no indications or evidence within the text suggesting that this particular study has been previously published on the internet or elsewhere. To conclusively verify whether this work has been previously published, a dedicated plagiarism check or database search (e.g., PubMed, Google Scholar, or institutional repositories) would be necessary.