

REVIEWER'S REPORT

Manuscript No.: IJAR-52144

Date: 06/05/2025

Title: **DETERMINANTS OF MEASLES RESURGENCE IN SOUTHEAST ASIAN COUNTRIES: A SCOPING REVIEW**

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: 07/05/2025

Reviewer's Comment for Publication:

This scoping review effectively illustrates that measles resurgence in Southeast Asia is driven by a complex interplay of immunization gaps, social perceptions, logistical challenges, and waning vaccine efficacy. It underscores that increasing vaccination coverage alone is insufficient. A holistic, multi-sectoral approach involving improved vaccine management, community engagement, health education, and possibly adding booster doses is essential to achieving measles elimination. Future research should focus on evaluating the effectiveness of specific intervention strategies and addressing regional disparities within countries.

Reviewer's Comment / Report

Strengths of the Paper:

- Comprehensive Literature Review:** The study systematically reviews a wide range of recent articles (2020-2025) across multiple databases (Scopus, PubMed, Garuda), providing an extensive overview of the current situation regarding measles resurgence in Southeast Asia.
- Use of a Multidimensional Approach:** The review considers various factors influencing measles outbreaks, including immunization status, parental knowledge, vaccine management, vaccine efficacy, and community perceptions. This holistic perspective allows for a nuanced understanding of the problem.
- Clear Methodology:** The utilization of PRISMA flowcharts and detailed inclusion/exclusion criteria enhances transparency and reproducibility of the review process.
- Identification of Multiple Determinants:** The review highlights not only the clinical aspects but also social, cultural, and systemic determinants affecting immunization coverage and measles outbreaks.
- Practical Recommendations:** Emphasizes the importance of community-based health promotion, improving vaccine logistics, and public trust to prevent future outbreaks.

Weaknesses of the Paper:

- Limited Quantitative Data Analysis:** The review predominantly presents descriptive and thematic analyses without meta-analytical quantification, which could have strengthened the evidence synthesis.
- Regional Focus Limitations:** Although the paper concentrates on Southeast Asia, the diversity within countries (rural vs. urban, different cultural groups) could be more elaborately discussed to understand variability better.
- Potential Publication Bias:** As the review includes only published articles, there may be unpublished studies or grey literature that could offer additional insights.
- Vague on Interventional Strategies:** While it identifies barriers, it offers limited detail on specific, evidence-based effective interventions or policies to address these issues.

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5. **No Long-term Follow-up Data:** The review highlights current challenges but lacks discussion on long-term trends and evaluation of interventions over time.