

Response to editorial "Oral health in southeast Asia: addressing inaccessibility"

Romain Lan, Laurie Fraticelli, Denis Bourgeois, Florence Carrouel

▶ To cite this version:

Romain Lan, Laurie Fraticelli, Denis Bourgeois, Florence Carrouel. Response to editorial "Oral health in southeast Asia: addressing inaccessibility". The Lancet Regional Health - Southeast Asia, In press, 10.1016/j.lansea.2025.100550. hal-04961429

HAL Id: hal-04961429 https://hal.science/hal-04961429v1

Submitted on 21 Feb 2025

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers. L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution 4.0 International License

Correspondence

Response to editorial "Oral health in southeast Asia: addressing inaccessibility"

Romain Lan,^{a,b} Laurie Fraticelli,^a Denis Bourgeois,^a and Florence Carrouel^{a,*}

^aLaboratory Health Systemic Process (P2S), UR4129, University Claude Bernard Lyon 1, University of Lyon, Lyon, France ^bLaboratory ADES, Aix Marseille University, CNRS, EFS, Marseille, France

As the last editorial points out,¹ unequal distribution of services and lack of effective prevention policies in southeast Asia exacerbate health inequities, affecting vulnerable populations such as rural communities and low-income groups.

This challenge is exacerbated by limited access to trained professionals, and insufficient oral health education at both individual and professional levels. The absence of structured personalized prophylaxis protocols weakens preventive measures, contributing to the high prevalence and incidence of oral diseases.²

First, these diseases are often linked with oral microbiome dysbiosis, leading to systemic consequences, particularly in aging populations and individuals with cancer or chronic conditions. Growing evidence on oral-systemic interactions underscores the need to integrate oral health into comprehensive disease management.³

Second, oral cancer remains a major public health challenge in Southeast Asia, where betel quid chewing significantly increases cancer risk.⁴ The high prevalence of smokeless tobacco use, combined with cultural and socioeconomic factors, exacerbates the disease burden. Given its severe health and economic impact, urgent measures are needed.⁵

To address this issue, a comprehensive and integrated approach to oral health is essential, combining preventive and therapeutic strategies. Key measures should involve systematic screening for high-risk individuals, early oral hygiene education, enhanced training for healthcare providers, and community-based health promotion. Additionally, integrating digital solutions—along with strengthening primary healthcare and fostering a supportive policy environment—can improve accessibility and efficiency. Equally crucial are public awareness campaigns to curb tobacco and betel quid consumption, reducing oral cancer's toll.

Contributors

Conceptualization: Romain Lan; Writing original draft: Romain Lan and Florence Carrouel; Writing review and editing: Romain Lan, Laurie Fraticelli, Denis Bourgeois and Florence Carrouel.

Declaration of interests

None.

References

- Asia TLRH-S. Oral health in southeast Asia: addressing inaccessibility. *Lancet Reg Health Southeast Asia*. 2025;32. https://doi.org/10. 1016/j.lansea.2024.100528.
- 2 Peres MA, Macpherson LMD, Weyant RJ, et al. Oral diseases: a global public health challenge. *Lancet*. 2019;394:249–260.
- 3 Kunath BJ, De Rudder C, Laczny CC, Letellier E, Wilmes P. The oral-gut microbiome axis in health and disease. *Nat Rev Microbiol.* 2024;22:791–805.
- 4 Ko AM-S, Wu P-W, Lin W-T, Lee C-H. Betel-quid addictive use disorders and Oral potentially malignant disorders and Oral cancer in south, southeast, and East Asia: a systematic review and metaanalysis. Oral Dis. 2024. https://doi.org/10.1111/odi.15106.
- 5 Jevdjevic M, Listl S. Global, regional, and country-level economic impacts of oral conditions in 2019. J Dent Res. 2025;104:17–21.

DOI of original article: https://doi.org/10.1016/j.lansea.2024.100528

*Corresponding author. Laboratory Health Systemic Process (P2S), UR4129, University Claude Bernard Lyon 1, University of Lyon, Lyon, France. *E-mail address:* florence.carrouel@univ-lyon1.fr (F. Carrouel).

© 2025 The Author(s). Published by Elsevier Ltd. This is an open access article under the CC BY license (http://creativecommons.org/licenses/by/4.0/).



oa

The Lancet Regional Health - Southeast Asia 2025;=: 100550 Published Online XXX https://doi.org/10. 1016/j.lansea.2025. 100550