

Title: Implementation of Rapid Testing for Malaria in Prenatal Care in Boa Vista/RR: Analysis via SIVEP-Malaria (2022-2025)

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Introduction: Gestational malaria in the Amazon is associated with adverse outcomes. In Boa Vista/RR, the low diagnostic rate for thick blood smears (8 out of 35 health units) is constrained by limited access. In October 2023, rapid testing was implemented as part of the prenatal routine in all primary care units.

Objective: To evaluate the implementation of the rapid malaria test in prenatal care in Boa Vista's primary health care through analysis of SIVEP-Malaria data.

Methods: Descriptive, retrospective, cross-sectional study using secondary data from SIVEP-Malaria from 2022 to 2025.

Results: After implementation, there was a significant increase in notifications from primary health units (17,839 total), with rapid tests (15,171) far outnumbering thick blood smears (2,668) in 2024-2025. Positivity was very low (<0.5% in all years), with 57 confirmed cases over the four-year period, predominantly *P. vivax* (43) and associated with mining activity (37). Most pregnant women were diagnosed in the 2nd and 3rd trimesters.

Conclusion: The introduction of rapid testing expanded access to diagnosis, strengthened surveillance, and served as an effective screening tool. The positivity rate reinforces its strategic role, highlighting the need for continuous monitoring and targeted actions for higher-risk groups, such as pregnant women involved in mining.