



Applicant Information

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Abstract Details

Title:

Quality of routine malaria data captured unto the DHIMS II database by health centres in the Hohoe Municipality, 2018-2022

Category:

Health Information and data science

Authors:

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Objectives:

A well-functioning data management system ensures reliable data for health service planning and performance evaluation. This study assessed the quality of routine malaria data captured on the District Health Information Management System II (DHIMS II) by health centres in Hohoe Municipality, Ghana.

Method:

A multi-centre cross-sectional study was conducted in seven health centres in Hohoe municipality. A five-year data quality audit compared DHIMS II and paper-based records. An assessment tool measured availability, completeness, and accuracy of malaria indicators. Availability and completeness were analysed using proportions, while accuracy was assessed through a verification factor.

Results:

Between 2018 and 2022, five of the seven health centres surpassed the 90% target for monthly OPD morbidity reports, with all centres meeting the target in 2021 and 2022. Availability of anti-malarial returns ranged from 31% in 2018 to 86% in 2022. The highest completeness of suspected malaria and positive cases occurred in 2021, with 2019 showing the least. Three centres maintained accurate reporting within a +/-5% margin, and two facilities (28.6%) reported the exact number of suspected malaria cases testing positive within this accuracy range.

Conclusion:

Malaria data quality in the seven health centres improved from 2018 to 2022. This improvement is attributed to the availability and proper storage of registers, as well as the completeness of records in these centres, contributing to more reliable and accurate health data over the five-year period.

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