

ABSTRACT

Background: Measles is an infectious viral disease that can be prevented by vaccination. Indonesia has recently entered the elimination phase, and has set the target to achieve the goal in 2020. Yogyakarta has implemented Case Based Measles Surveillance (CBMS) since 1998. Fidelity of the program may contribute to the outcome of these efforts regarding this issue.

Objective: this study aims to assess implementation fidelity of measles intervention on measles elimination phase in Primary Health Centers (PHCs) City of Yogyakarta.

Method: This research used a mixed method exploratory sequential design delivered throughout 18 PHCs from September to November 2017. Qualitative study was conducted with in-depth interviews among 12 respondents and the quantitative approach by a cross sectional survey among 33 respondents. We used secondary data to support the qualitative findings.

Result: Health staff adhered to the standard operating procedures of CBMS and immunization program, but did not have adequate health staff for data analysis. Surveillance and immunization health staff were not always making proper coordination during the outbreak. Most of epidemiologic investigations were performed after the peak of the cases. Quality delivery of CBMS program lacked in: delayed delivery report, coordination with private practice in case detection, and feed back in mini workshop monthly. Quality of delivery of the measles immunization program lacked in: delayed delivery report, inadequate knowledge of staff, and low coverage of booster measles immunization. There were a number of key aspects needing improvement.

Conclusion Coordination between surveillance and immunization health staff during outbreaks and performance of management duties should be improved to address the complexity of measles intervention program implementation.

Keywords: Measles, CBMS, measles immunization, implementation fidelity, City of Yogyakarta.



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Fidelity of Measles Intervention Implementation on Measles Elimination Phase in Primary Health Centre City of Yogyakarta

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