

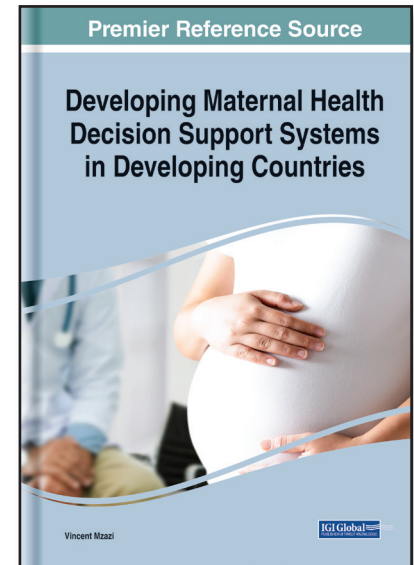
# Developing Maternal Health Decision Support Systems in Developing Countries

Part of the Advances in Healthcare Information Systems and Administration Book Series

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## Description:

Implementation of guidelines in the health system is a major undertaking, especially in developing countries. An important constraint in guideline development in developing countries is that the guideline recommendations must suit local conditions and must make use of available resources. This is a challenge because the health systems of developing countries have a high burden of disease and little resources; therefore, guidelines must rely on cost-effective healthcare interventions. The BACIS program study was initiated to address some of these challenges in the dissemination and utilization of maternal health guidelines. The BACIS program was piloted, and the results showed that the BACIS program could assist in improving compliance of nurses with the national maternity care guidelines. This is an impressive finding and step forward for maternal healthcare in developing countries.



**Developing Maternal Health Decision Support Systems in Developing Countries** Emerging Research and Opportunities discusses public health aspects of the design and implementation of clinical decision support systems in developing country contexts. Specifically, it focuses largely on the design and evaluation of the BACIS program in South Africa. This is supplemented with a conversation on the possible future research directions in the BACIS program study along with the outlook for clinical decision support systems in developing country contexts in general. This book is ideal for e-health system designers and implementers, managers and policymakers in the area of e-health in developing countries, personnel from NPOs and donor agencies, government officials, IT consultants, medical professionals, practitioners, stakeholders, researchers, academicians, and students who are interested in how decision support systems such as BACIS are being used to improve maternal health in developing countries.

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