Establishment of nationwide electronic database to improve quality of care during childbirth in Nigeria

Current Project Brief

Objectives and Background

Lack of a standardized approach for routine maternal and perinatal health data collection leads to missed opportunity of aggregating data at district, state, regional and national levels. Consequently, vital maternal and newborn statistics required for assessment of quality of care indices and for health care planning rely on estimates, which may not reflect the reality.

Nigeria is Africa's most populous country. According to *"Trends in Maternal Mortality (2000-2017)"*, Nigeria tops the countries with global maternal death burden with approximately 67,000 maternal death annually. One Nigerian woman dies every 13 minutes from preventable causes related to pregnancy and childbirth. The country also has a high perinatal mortality rate (77 per 1,000 birth), ranking second globally.

About 67% of pregnant women received antenatal care from skilled providers, while 40% delivered in health facilities. However, few facility-based data exist on quality of care received and outcomes for mothers and babies. Even in the few facilities where data is routinely collected, there is no standardized format for data collection, reporting or feedback.

Geographic location

Nigeria

Main deliverables

A standardized electronic platform for collection, collation and audits of routine maternal and perinatal data nationwide, which would be useful to monitor clinical care performance and quality improvement: The Nigerian Maternal and Perinatal Database for Quality, Equity and Dignity (MPD4QED) More information at: https://mpd4qed.com/

The project aims to support the implementation of Maternal and Perinatal Death Surveillance and Response (MPDSR) activities of the Nigeria Federal Ministry of Health.

Partners   The initial phase of the project involves 54 referral-level hospitals across the six geopolitical zones of Nigeria.

Sources of funding   HRP & MSD for Mothers

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