EQUIPPING PROVIDERS WITH DIGITAL TOOLS TO IMPROVE MATERNITY CARE: PROJECT iDELIVER

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JOHNS HOPKINS UNIVERSITY

PLACE	Kenya
TIMEFRAME	January 2016 – May 2017 (Phase 1 pilot)
PARTNERS	*Merck for Mothers*, Vecna Cares, M4ID, Johns Hopkins University

OVERVIEW

Globally, more women are giving birth in health facilities with skilled healthcare providers. However, in many settings, those providers face daily challenges in providing critical care to mothers and babies. These challenges include: high patient loads, limited decision-making support and supervision in emergency situations as well as a lack of data to measure and guide quality improvements. Without user-centric tools that help providers manage these challenges, women may not receive the right care when they most need it.

With support from *Merck for Mothers*, Vecna Cares, M4ID, and Johns Hopkins University are designing, developing and implementing **Project iDeliver**, a digital tool that supports maternity providers in offering women better care.

KEY FEATURES

Provider-centered design
As co-designers, providers share continuous feedback to ensure the tool and its features address their specific needs and challenges.

Real-time clinical decision-making support
Project iDeliver is designed for real-time use by providers before, during, and immediately following birth. The tool provides immediate access to clinical guidance and standards, helping providers respond appropriately to potential life-threatening complications.

Routine data analytics and feedback
By aggregating patient health information, Project iDeliver helps providers diagnose and monitor patients.

Project iDeliver can improve quality care from the moment a woman arrives at a facility to discharge and helps providers:

- Prioritize workload and manage patient waiting times
- Know how often to check on patients and schedule reminders
- Respond to potential complications
- Document key patient information and provide timely decision-making support
- Facilitate effective communication between health facilities
- Advise and educate patients on appropriate postnatal care
- Coordinate timely transportation

WHAT'S NEXT

During the Phase 2 pilot (June 2017 – May 2018), Project iDeliver will expand functionality to include labor monitoring and delivery; improve facility operations including resource planning and staff forecasting based on expected delivery dates; and integrate into existing commodity management systems.