

Data in International Research:

Lessons from Design,
Implementation & Scaling
in Low and Middle Income
Countries

Katherine Semrau, PhD, MPH Ariadne Labs September 24, 2018

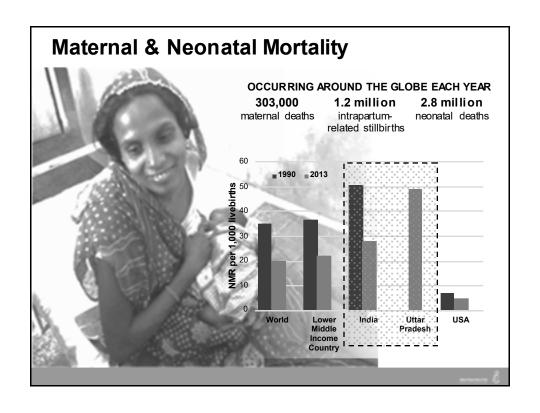


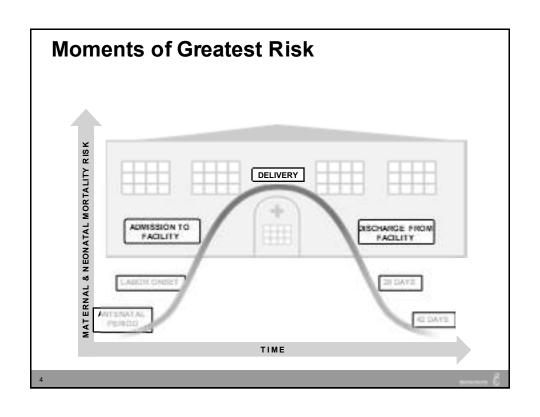


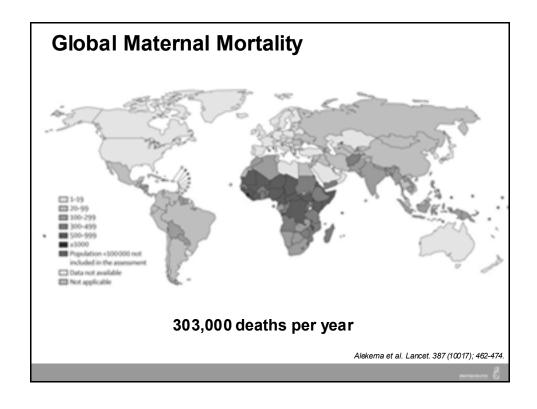
Roadmap

- Content
 - Maternal & Newborn Health
- Collaboration
 - Towards multidisciplinary teams
- Connectivity
 - Transition of paper to electronic data
- Culture
 - Theory to on the ground reality
- Q&A

North Control







Methods to Prevent Mortality are Known

PRENATAL

- Early referral for at-risk women
- Antibiotics for fever, ruptured membranes
- Magnesium for hypertension, proteinuria

LABOR & DELIVERY

- Presence of a birth companion
- Use of handwashing and gloving
- Informing when to call for help
- Preparation of oxytocin, clean supplies, bag mask, sterile blade, suction
- Assistant at the ready
- Uterine massage and oxytocin within 1 minute

POST-PARTUM

- Skin-to-skin care post-partum
- Newborn antibiotics if high or low temperature
- Instructions on danger signs for mother and child

mount i

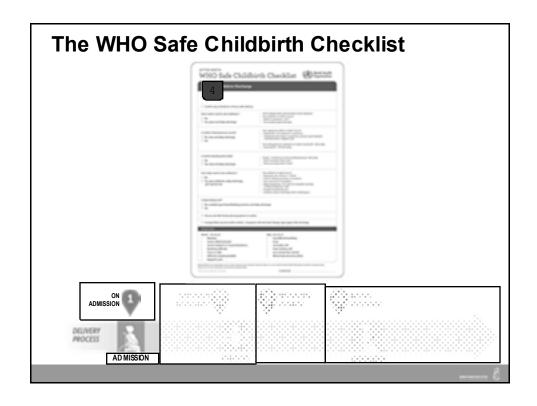


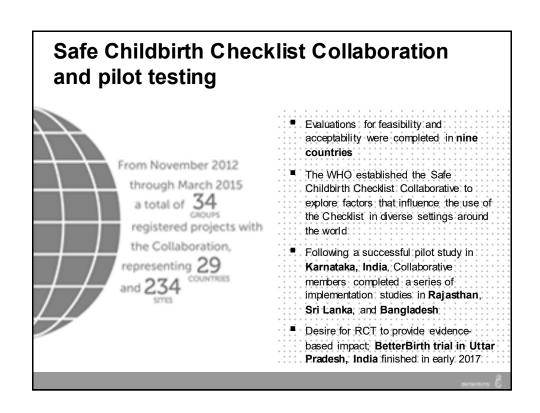




Collaboration: Towards Multidisciplinary Teams

10





The BetterBirth Trial



PARTNERS:

- Gov ernment of India
- Gov ernment of Uttar Pradesh
- World Health Organization
- Ariadne Labs: A joint center for health systems innovation of Brigham and Women's Hospital and Harvard T.H.
 Chan School of Public Health
- Population Services International
- Community Empowerment Lab, Luck now
- Jawaharlal Nehru Medical College, Belgaum
- The Bill & Melinda Gates Foundation

Theory of Change



NAME OF TAXABLE PARTY.

The BetterBirth Trial

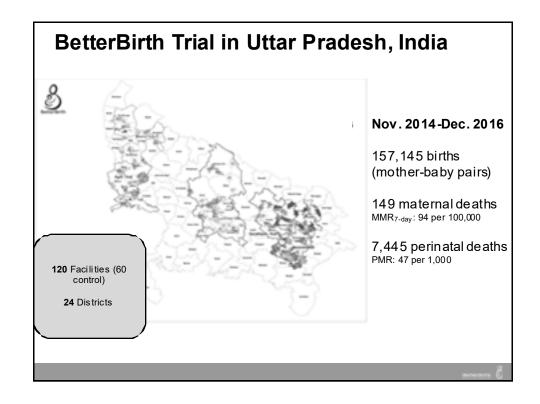


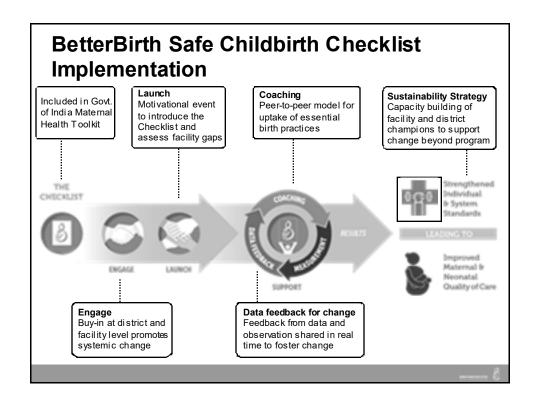
PROJECT GOAL:

The BetterBirth Trial is a matched-pair, cluster-randomized controlled trial seeking to establish whether the BetterBirth interv ention is effective in reducing deaths and complications in institutional childbirth in resource-limited settings.

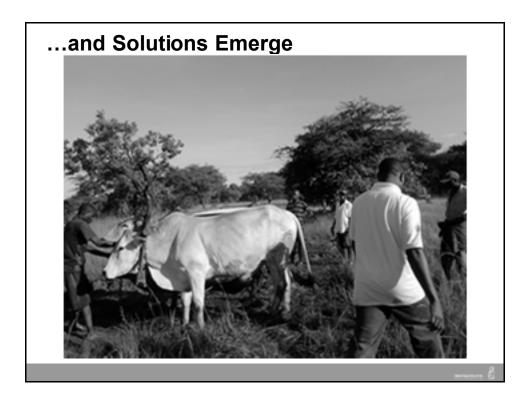
OUTCOMES OF INTEREST:

- Adherence to birth practices by birth attendants
- Early (7-day) maternal morbidity, mortality, & perinatal mortality



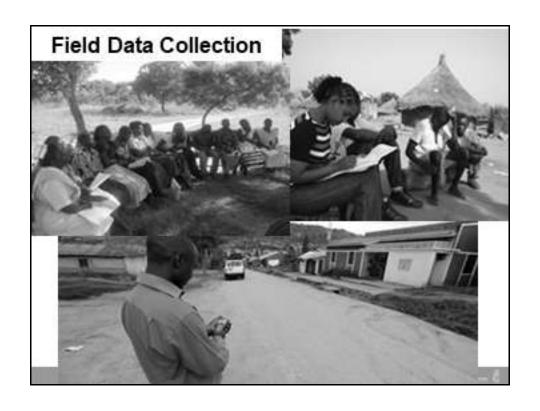


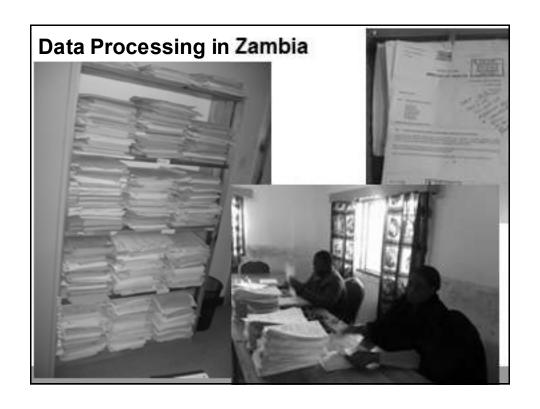




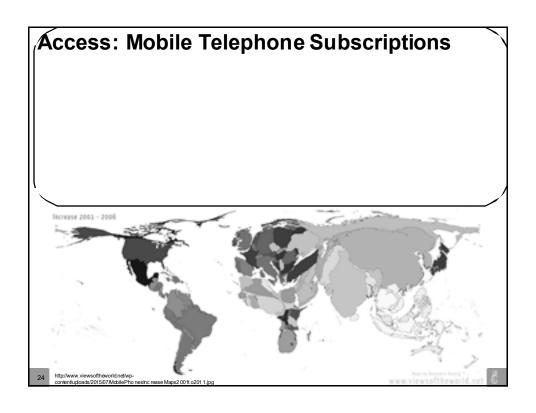
Connectivity: Transition from Paper to Electronic Data Capture

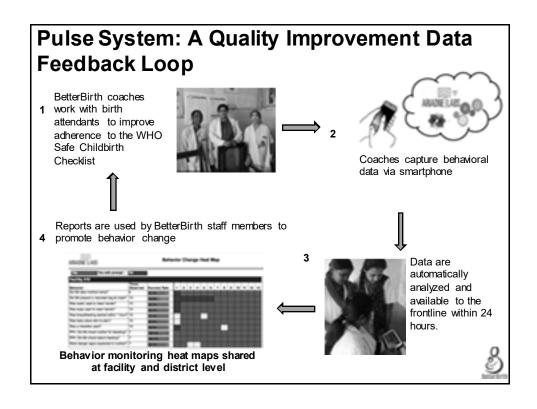
20

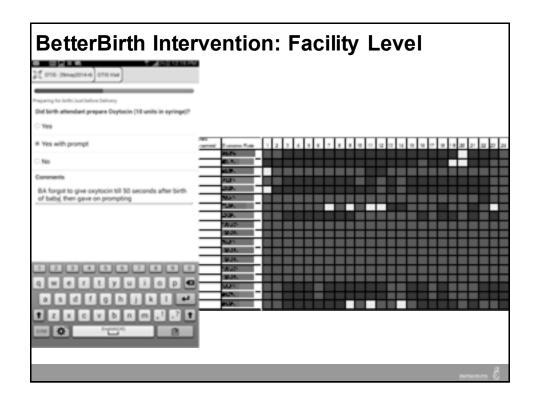


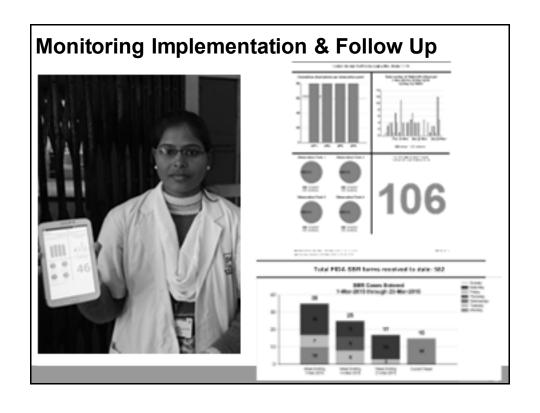


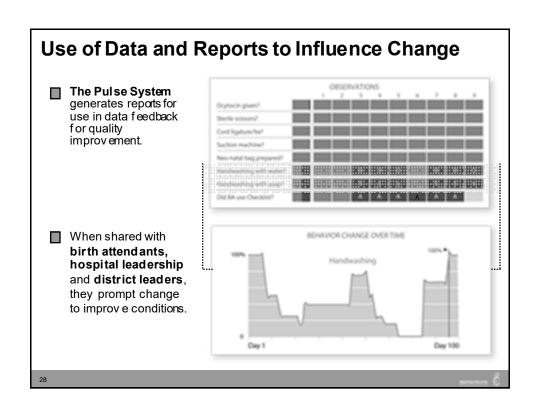


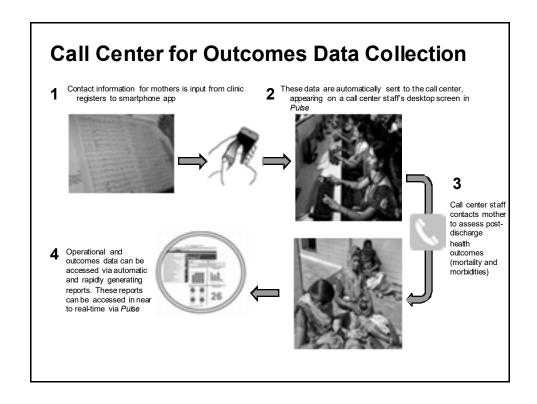


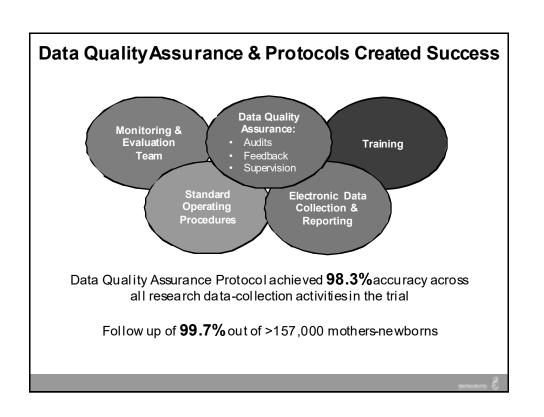






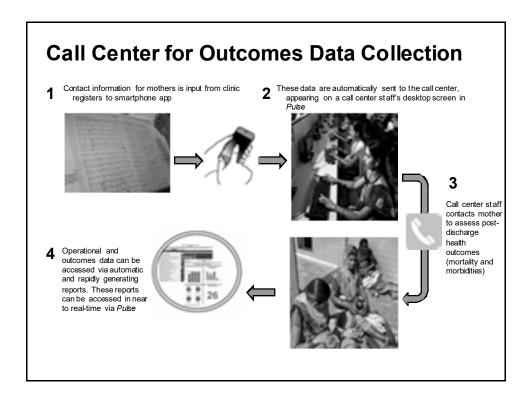




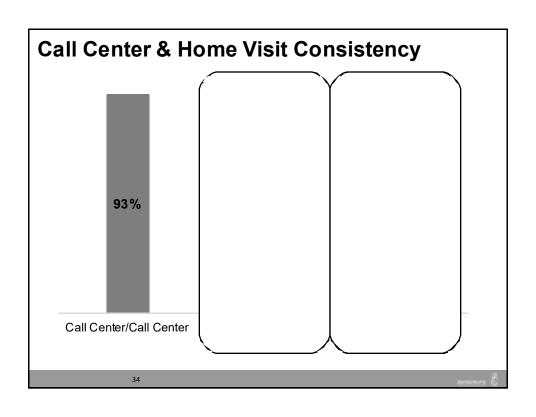


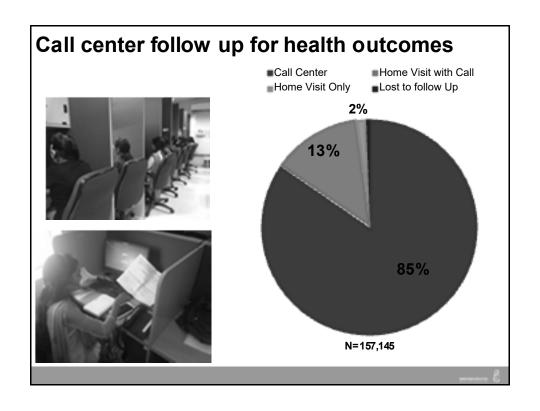
Culture: Theory to on the ground reality

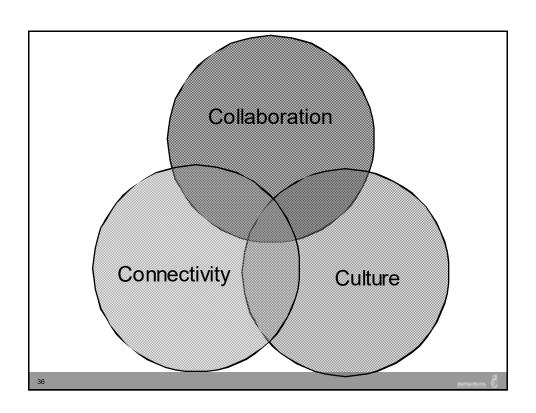
31













Acknowledgements

Thank you to all study participants, birth attendants, women, and their newborns.

Partners:

- · Government of India (Gol)
- Government of Uttar Pradesh (GoUP)
- World Health Organization (WHO)
- Population Services International (PSI)
- Community Empowerment Lab, Lucknow
- Jawaharlal Nehru Medical College, Belgaum
- The Bill and Melinda Gates Foundation
- The John D. and Catherine T. MacArthur Foundation
- Ariadne Labs at Brigham & Women's Hospital and Harvard T.H. Chan School of Public Health
- · BetterBirth Scientific Advisory Board Members













man l

Thank you and Questions!

Contact information:

Katherine Semrau Director, BetterBirth Program

Email:

ksemrau@bwh.harvard.edu

Twitter:

@k_semrau



