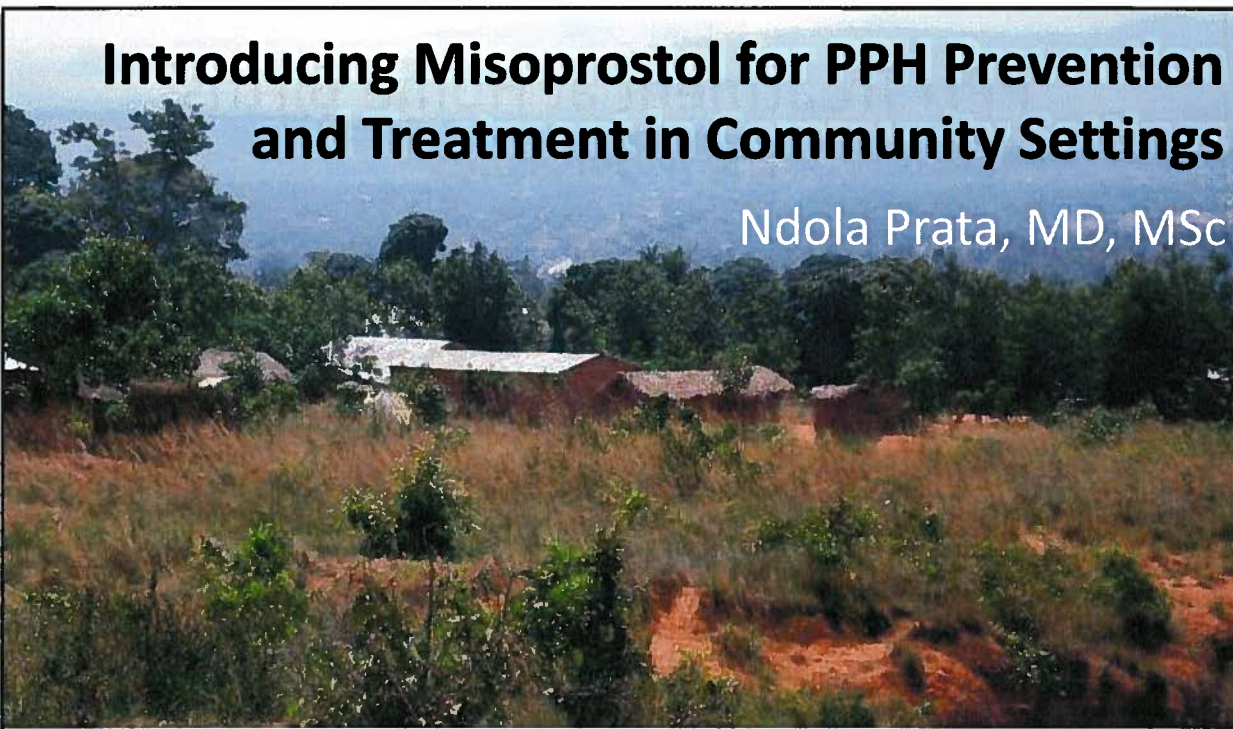


Introducing Misoprostol for PPH Prevention and Treatment in Community Settings

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University of California, Berkeley

March 11, 2009

Misoprostol for Prevention and Treatment of PPH
The Bill & Melinda Gates Foundation

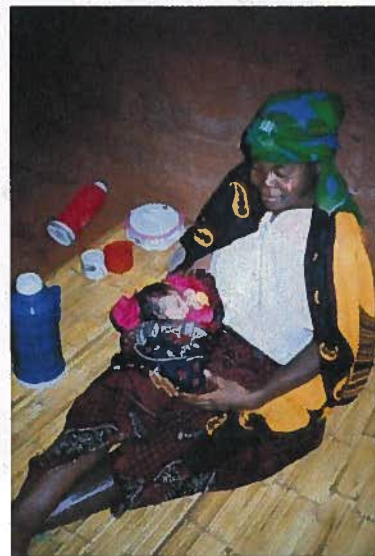


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PPH Treatment at Home Births

The Main Issues

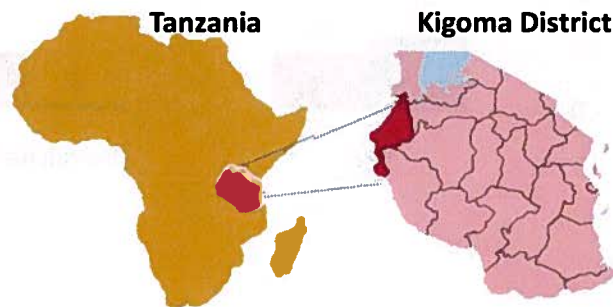
- Who?
- How?
- When?
- Route?



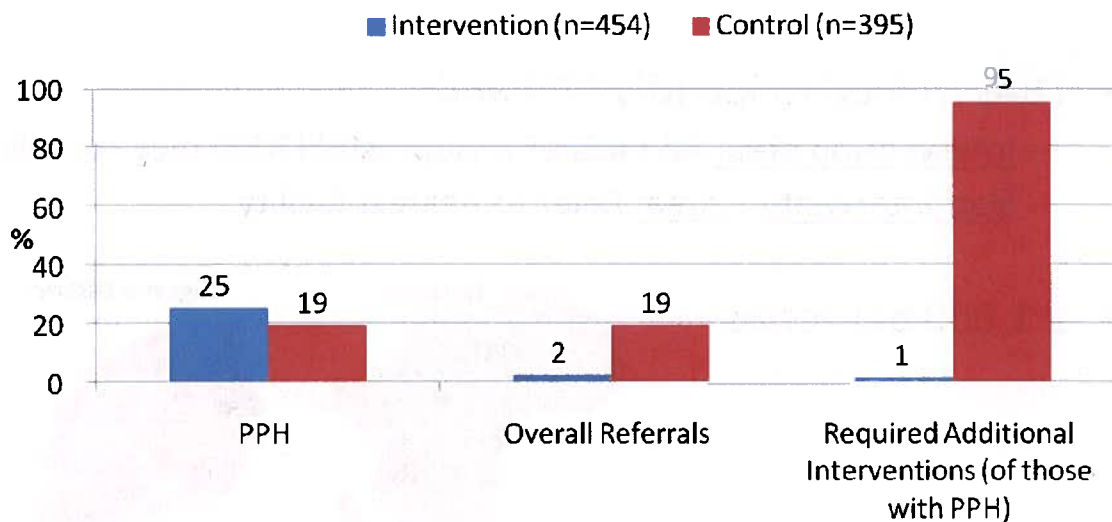
Traditional Birth Attendants Treat PPH with Misoprostol at Home Births

Kigoma, Tanzania 2003 - 2004

- TBAs trained to identify PPH and:
 - Intervention area: Administer misoprostol (1000 mcg rectally)
 - Non-intervention area: Refer to nearest facility
- \cong 1,000 deliveries



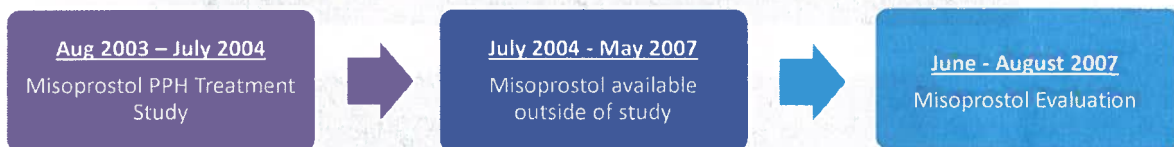
TBA Treatment of PPH with Misoprostol Reduced the Need for Referrals and Interventions



Prata, Mbaruku, et al. International Journal of Gynecology and Obstetrics (2005) 90,51-55.

Long-term Community-based Use of Misoprostol to Treat PPH: Is it Safe?

Kigoma, Tanzania 2007



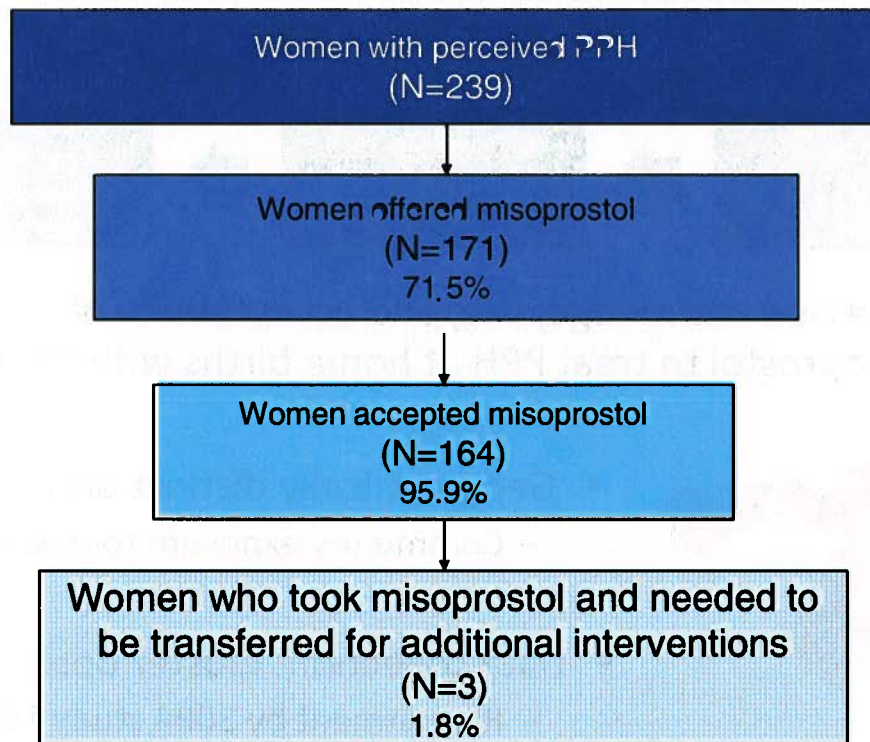
- Assessed knowledge, use, and acceptability of misoprostol to treat PPH at home births with TBAs



- Geographically distinct areas
 - Community exposure to misoprostol
- Data collection: Cluster design
 - Recruitment by 2004 study TBAs

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Use and Effectiveness of Misoprostol



TBAs Treat PPH with Misoprostol at Home Births

FACTORS FOR STRATEGY SUCCESS

- A context-specific & culturally appropriate means of measuring blood loss and identifying PPH
- Trust in TBAs
- Integration with the health care system to monitor TBAs and facilitate referrals



CHALLENGES

- Resistance towards working with TBAs
- Socio-cultural knowledge and beliefs towards bleeding after delivery

**WHEN AND HOW DO
WE REACH THE
WOMAN?**

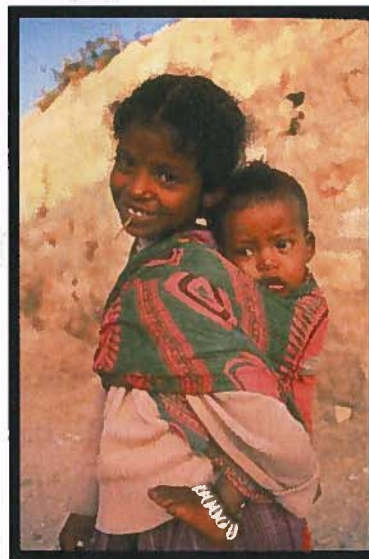


Community Health Workers Trained in AMTSL and Misoprostol for PPH Prevention

Ethiopia 2007

**Trained Health Extension
Workers (HEWs) to:**

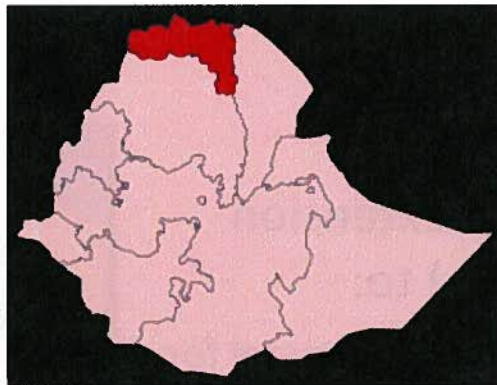
- Administer misoprostol for PPH prevention at health post and home births
- Properly identify and conduct obstetric referrals



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TBA Prevention of PPH at Home Births

Tigray, Ethiopia



- *Intervention area:* TBAs administer oral misoprostol for prevention of PPH and refer to a facility if needed
- *Non-intervention area:* TBAs refer woman to the nearest facility after establishing PPH

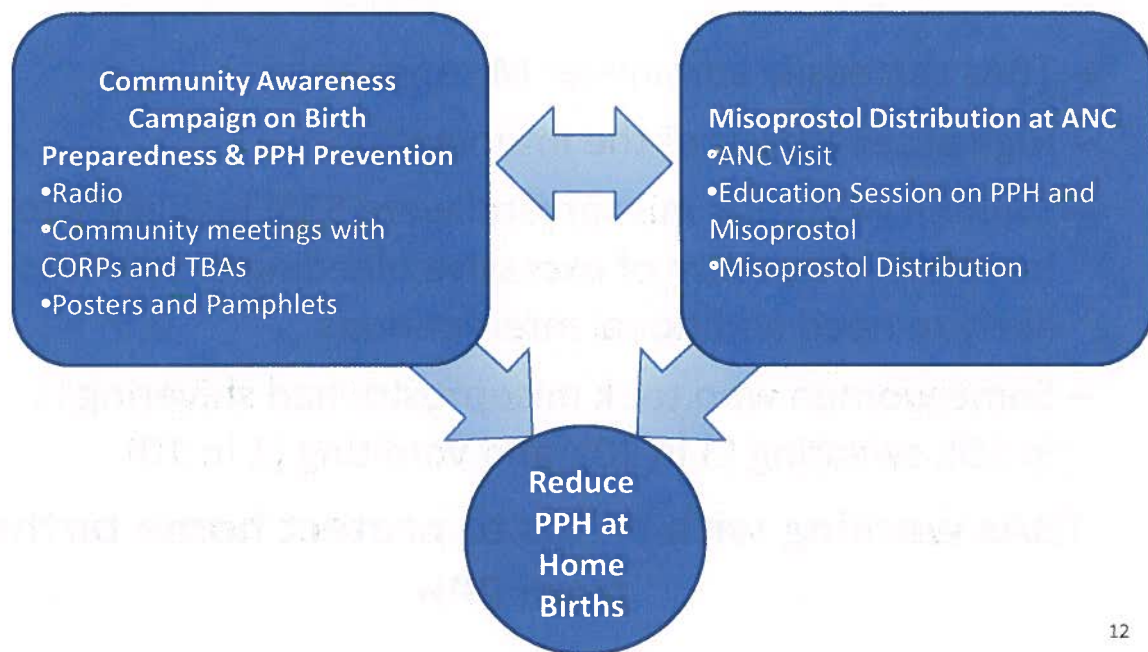
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Prevention of PPH at home in Tigray: Results

- TBAs can easily administer Misoprostol
- High acceptability of the intervention
- Women who took misoprostol were 53% less likely to be referred because of excessive bleeding & 58% less likely to need additional interventions
- Some women who took misoprostol had shivering (1 in 10), sweating (3 in 10), and vomiting (1 in 10)

**TBAs working with HEWs to protect home births
from PPH**

Distribution of Misoprostol for PPH Prevention through Antenatal Care (ANC)



Community Awareness Campaign on Birth Preparedness and PPH Prevention



Key messages:

- Promote attendance at ANC throughout pregnancy
- Importance of delivering in a health facility
- Plan early for a safe delivery
- PPH consequences & blood loss measurement
- Misoprostol is available at ANC

PANGA MAPEMA... JIFUNGUE SALAMA

TUMIA DAWA YA MISO IPASAVYO KWA UZAZI SALAMA

TAHADHARI

Ukwa ungalii mjamuzi usimeze vidongo vya MISO



Mama mjamuzi anajitugulia nyumbani akiisaidiwa na mmoja wa wanafamilia yake.



TAHADHARI

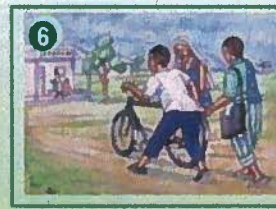
Ha kikisha hakuna mtoto pacha tamboni kabla ya kumera vidongo vya MISO.



Mara baada ya mtoto au watoto wote kuzaliwa meza vidongo vitatu vya MISO kujikinga na uwezekano wa damu nyingi kuendelea kutoka

Baada ya kutumia MISO, mama anowe k' akupigwa joto au baridi n' hali z' kawaio, ambazo zinaweza kujitokeza

Endapo mama atamaza dawu za MISO na damu nyingi inaendelea kutoka (Zaidi ya doti moja ya khamga kulowa damu) Apelekwa kituo cha tiba



Mama anayeendelea kutokwa damu nyingi akipelekwa kituo cha tiba kilicho karibu



Ifakara Health Institute P.O. Box 78373 Dar es Salaam Tel: +255 22 277 4714, Fax +255 22 277 1714 email: info@ihi.or.tz

Data Collection

The image shows a small, detailed form titled "MISOPROSTOL ADDENDUM". It contains several rows of data with columns for dates and checkboxes, used for recording project enrollment and misoprostol distribution.

Misoprostol Addendum

- Small part of ANC Card is replicated for health and demographic information
- Records project enrollment and misoprostol distribution
- Filled out by ANC Provider

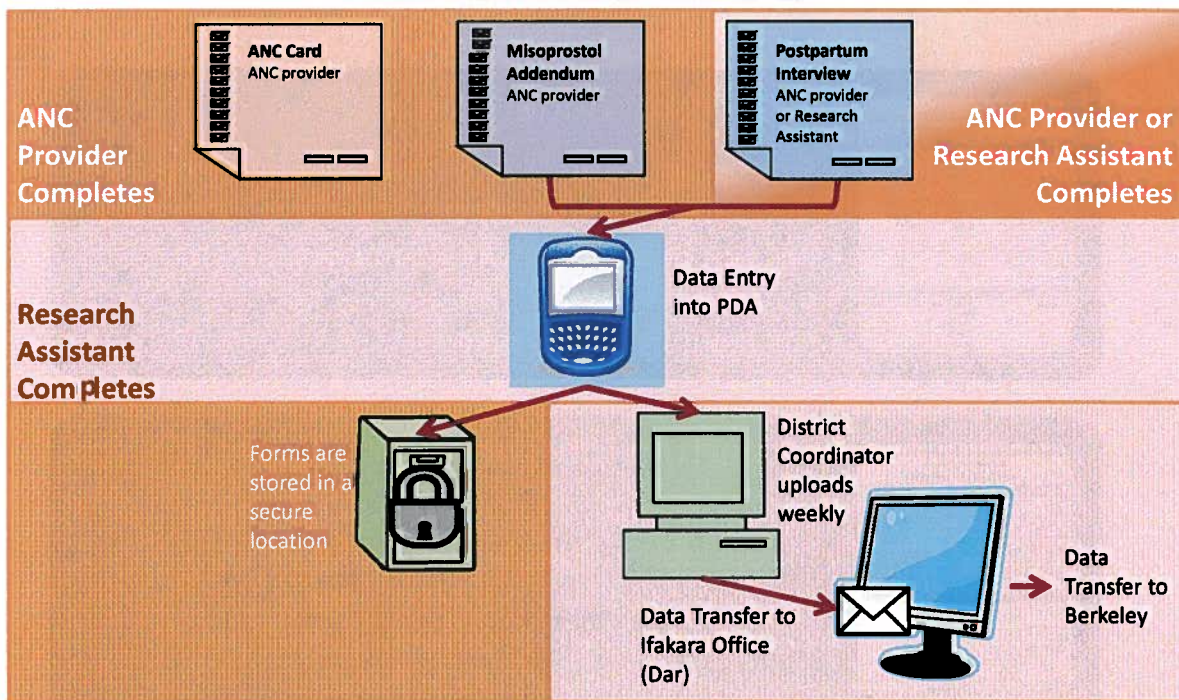
The image shows a larger form titled "POSTPARTUM INTERVIEW". It contains multiple rows and columns for collecting women's views and experiences on misoprostol use, knowledge about PPH & misoprostol, & delivery experience.

Postpartum Interview

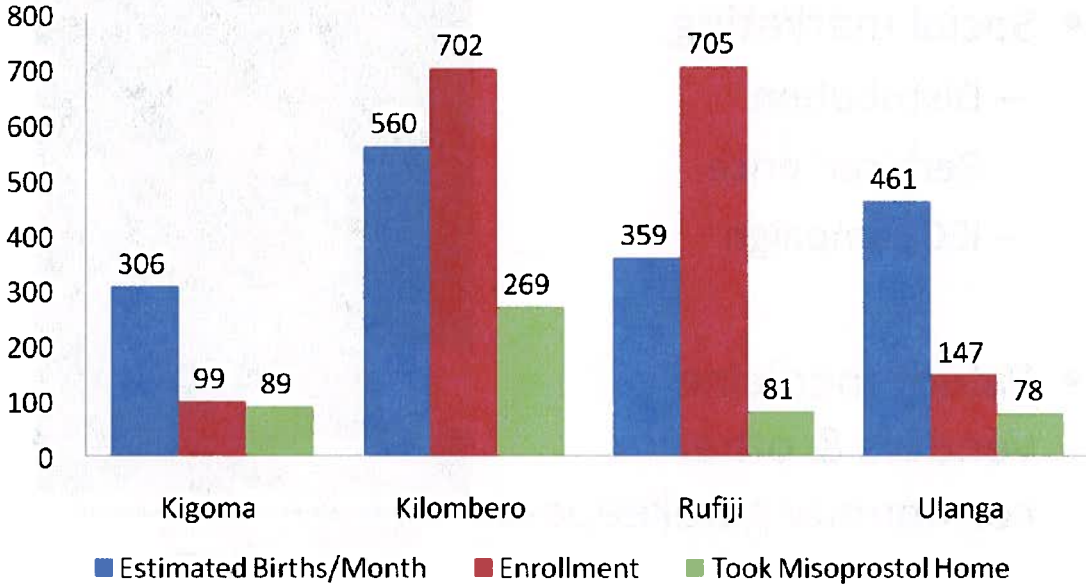
- Collects women's views and experiences on misoprostol use, knowledge about PPH & misoprostol, & delivery experience
- Administered by ANC Provider or Research Assistant within 6 weeks of delivery

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Data Entry and Management



First Month Enrollment and Misoprostol Distribution



Private Sector Involvement

- Social marketing
 - Distribution
 - Reduced price
 - IEC campaign

- Patent medicine vendors & other community gatekeepers



ANC Delivery of Misoprostol for PPH Prevention

Factors for Strategy Success



- High ANC attendance (>80%)
- Community awareness campaign utilizing community health workers and other media channels
- Cooperation in the health care system

Summary of Strategies for Community-based Distribution of Misoprostol

Treatment

- TBA recognition of PPH and treatment with misoprostol



Prevention

- ANC distribution
- HEWs trained in PPH management at health post and home births in collaboration with TBAs and other CHWs
- TBA distribution of misoprostol at delivery for PPH prevention
- Private sector
- Hybrid Models: ANC + TBA

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