

It Takes a Village: A Pilot Randomized Trial to Enhance Pregnancy Care and Support in Northern Ghana

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Acknowledgments

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Study Overview

Setting

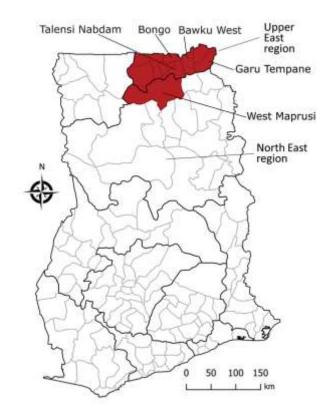
- Upper East Region of Ghana
- Very impoverished part of Ghana
 - 76% extreme poverty (<\$2USD/day)

Aim

- Improve contact with health providers
- Bring services to women
- Strengthen support for pregnant women
- Address social norms and intra-household dynamics

Interventions

- Community engagement (durbars)
- Provide home-based services (enhanced ANC)



Motivation

Barriers to Reaching Maternal Care

- Lack of money, transportation problems
- Poor quality of healthcare (Kruk at al, 2018)
- Social norms
 - Women lack autonomy to make medical decisions (Gupta et al, 2015, Moyer et al, 2014)
 - Men have low opinion of need for maternal healthcare services (Aborigo et al. 2018)
 - Male involvement not current norm (Sumankuuro et al. 2019)
 - Involving men is challenging due to ethical concerns (Thoki et al. 2019)
- Lack of knowledge about antenatal care
 - Poor understanding why labs, supplements are needed

Bottom line: Women face high burden to seek care

WHO Recommendations for Healthy Pregnancy



Throughout pregnancy, all women should have 8 contacts with a health provider.

These can happen in settings such as:



Initiate ANC in first trimester 8 ANC contacts

- A. Nutritional interventions Dietary changes, iron/folic acid
- B. Maternal and fetal assessment Anemia, gestational diabetes, HIV, TB, fetal movement
- C. Preventive measures Tetanus vaccine, IPTp for malaria, PrEP

D. Interventions for common physiological symptoms Nausea and vomiting, heartburn, constipation, varicose veins

Study Design

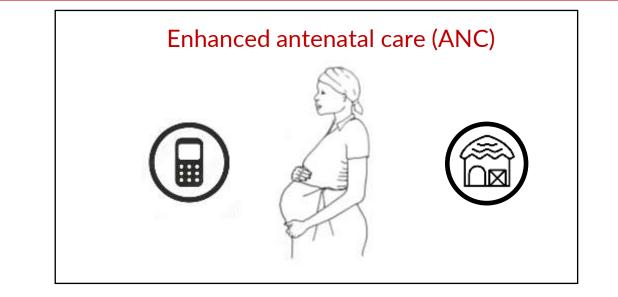
Interventions

Durbar – community meeting



Pregnancy-themed durbar:

- midwife meets with community
- discuss key barriers to access antenatal care
- educate communities about antenatal services
- encourage men support pregnant women



Standard antenatal care plus:

- Monthly calls to maintain contact
- Home visit in 7th month of pregnancy
 - Scheduled to include husband and mother-in-law
 - Focus on birth preparedness

Results

Community-Identified Barriers to ANC

- Poverty
- Lack of knowledge
- Lack of support
- Quality of care
- Stigma
- Traditional beliefs



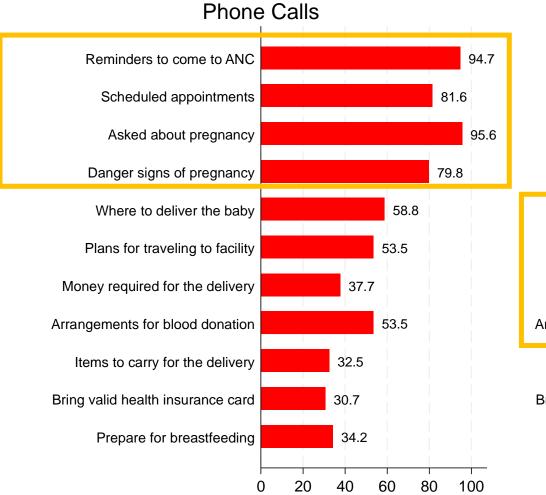
Barriers to ANC: Lack of Support

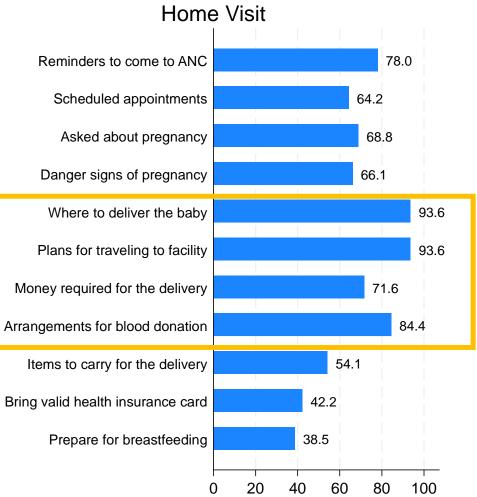
Topic generated heated debate between women and men

- Men: said that they supported women throughout the pregnancy
 - Mentioned financial support and help arranging transportation, especially during labour
- Women: said support was not enough
 - Not enough money to cover tests and men misunderstand when pregnant women need help

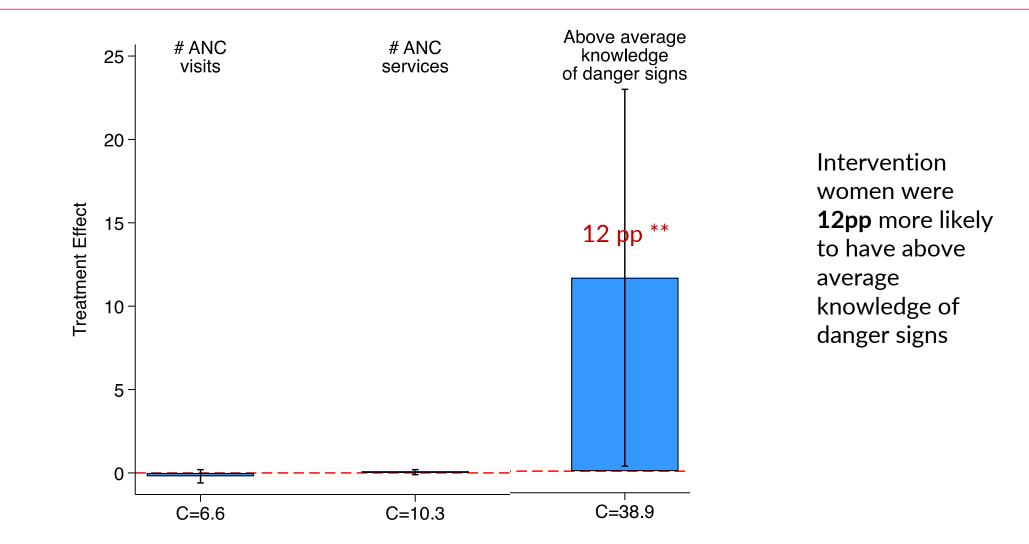
"It is rather during the early stage of pregnancy when there is nausea, vomiting and loss of appetite that we need support from our men most. That is the time we are feeling weak and need transportation to attend ANC, not when the pregnancy is getting to term" (A middle-aged woman in Werichingo)

Topics Discussed During Interventions



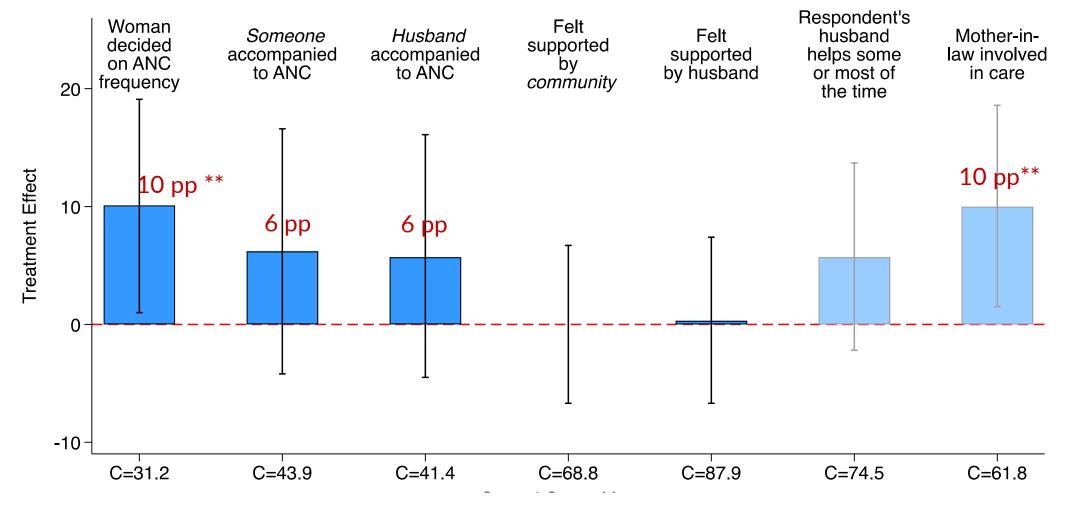


Enhanced ANC Improved Knowledge of Danger Signs



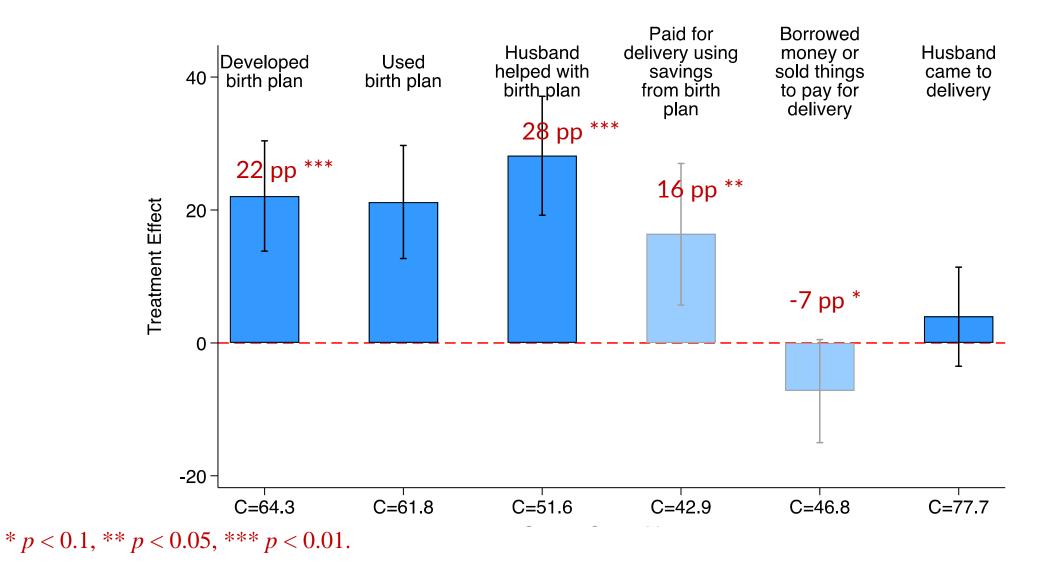
* p < 0.1, ** p < 0.05, *** p < 0.01.

Potential Benefit to Women's Support and Autonomy



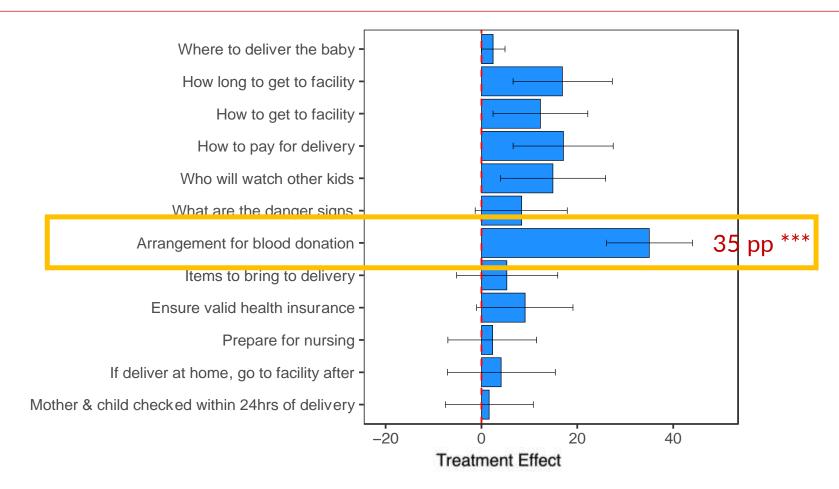
* p < 0.1, ** p < 0.05, *** p < 0.01.

Enhanced ANC Improved Birth Preparedness



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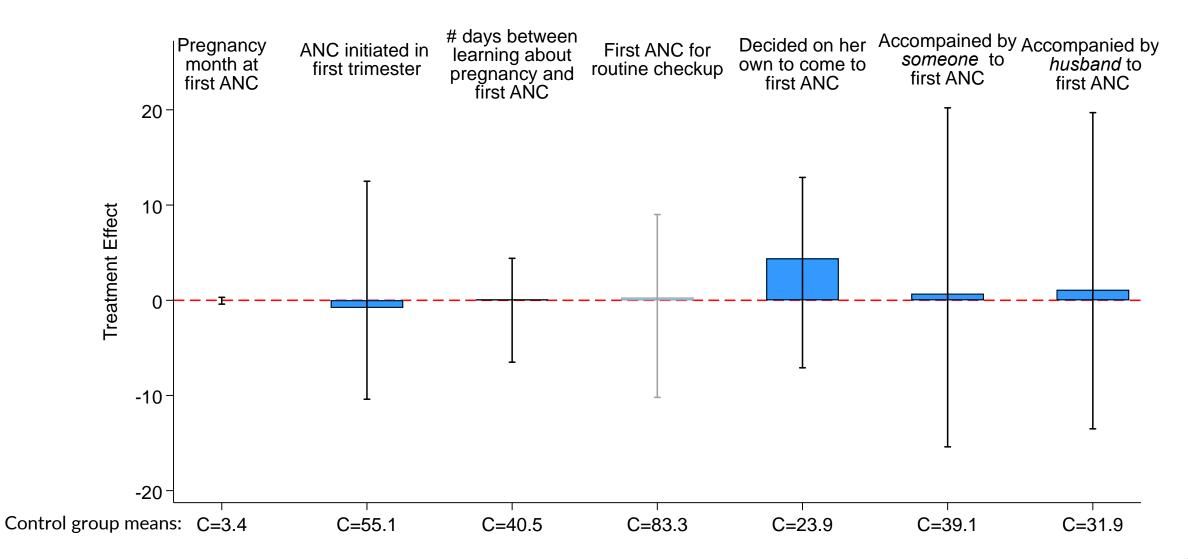
Enhanced ANC Increased Important Components of Birth Plans



Enhanced ANC increased likelihood of making blood donor arrangements by 125% base mean of 28% control group -> 63% in intervention group (35 pp increase)

* p < 0.1, ** p < 0.05, *** p < 0.01.

No Evidence Durbars Affected Study Outcomes



Participants' Views About Durbars

• Women liked that men were at durbars

"It was good especially when our husbands were there and listened to us. They now know that anytime we returned from weighing and tell them that the nurses said this and that we are not telling lies." (Woman from Tanzug, Garu)

• Men who participated in durbars recalled the discussions

"They told us that men need to help their women when they are pregnant. There are some men when their women are pregnant, they will sit down and allow the women to do what they are not supposed to do. If the time for weighing come, the woman is not supposed to foot or ride a bicycle to go for weighing. She is not supposed to be going weighing and feeling hungry. You need to get her some money and when she gets there, she will be able to get food and eat and the medicine they have given to her at the health facility to take will work fine. You need not be shouting at the woman when she is pregnant and she will be feeling some unhappiness every day. She needs to feel some comfort all the time. All these things, they advised us at the gathering."

(Man from Bengur, Garu)

Conclusion and Next Steps

Conclusion

- No impact of the Durbars
- Enhanced ANC significantly improved women's pregnancy experience
 - Increased knowledge about danger signs
 - Improved birth preparedness among women and partners
 - Possibly improved support and autonomy around medical decisions

Next Steps

- Writing scale-up proposal to support similar intervention
 - Test the intervention in public health facilities (CHPS and health centers)
 - Possibly add nutrition and anemia interventions
 - Household-level intervention that would include pregnant women, husbands, and MIL
 - Tailor interventions to existing policy in Ghana
 - Policies exist for durbars, phone calls, home visits.
 - Uncertain whether these policies are implemented

Thank You

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