The effect of demand side financing in SOLID/R promoting institutional births in rural Moçambique.

Michael HOBBINS; Alexandra PIPREK; Agira IAQUITE; Jochen EHMER & Anita MAKINS



Cabo Delgado, characteristics

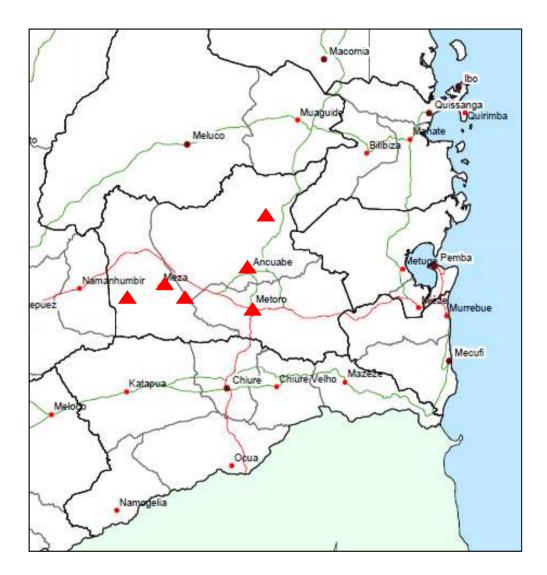


TANZÂNIA Population: 1.7 Mio Lago Bangweu imboa da P Muedao Licoma Is Mecula o 51.6% ZÂMBIA Women: CABO Quissanga DEL GADO An abe Pemba REP. DEM. DO CONGO Montepuez Ancuabe Namuno Lilongwe Rural: 80% Vila Gamito Momba Mecubúr Nacala Vila Co Fingoè TETE Ribáuð NAMPULA Furancungo O aue NAMPULA Monapo Mossuril Meconta Mocambigu 51% / 80% stusaka Illiterate (men/women): Murrupula umbo Olunqueiro Nametil Mogincual Namarr oi Erego OAngoche Lugela Ilha Angoche ZAMBÉ7 Average N children/woman: 5.7 Lago Kariba Chemba Morrumbala OPebane O OPébane Vila da Maganja Namacurra o Harare Vila Fonte Mopeia OQuelimane Marromeu Child mortality: 2/8 Chind Manica Chimoio ZIMBABWE Sussundenga canal de Moçamb MANICA Life expectation: <40y Chibabava Espunga Nova Mamhone Access to Health services: <40% Inhass ôro Ilha do Bazaruto Mabote Chicualacuala Vilanculo MOCAMBIOUE BOTSWA INHAMBANE São Sebastião Aapai Ponta da Barra Falsa Access to safe water: <30% GAZ Massinga Morrumhene Homoine ÁFRICA DO SUL Inhamban Panda Capital nacional Access to electricity: 4% Capital de província Chibito Quissico Parta ta Cidade vila de Aeroporto Fronteira internaciona Oceano OPretoria Maputo O Civil registry (age 1-17y): Limite de província 40% Índico MAPUTO Rodovia principal 9 Rela Vista Mbabane Ferrovia SWAZILÂNDI

50 100 150 200 km

District Ancuabe 2012:





- 119 565 inhabitants
- 4606 km²
- 6 health centres
- 14 SMI nurses
- 90 TBAs
- 5380 estimated births this year





They are numerous:

cultural factors geographic factors economic factors health system factors

One of the national recommendations is the offering of baby packages to women giving birth in a health facility







Investigate the effect of offering a 12 USD baby package to those women giving birth at rural health centres on institutional birth rates





 From June 2010 to December 2011 a baby package was given to all those women who had an institutional birth in the district of Ancuabe.

• The baby package consisted of: 3 reusable nappies, a basin, soap, and a traditional cloth

The Baby Package







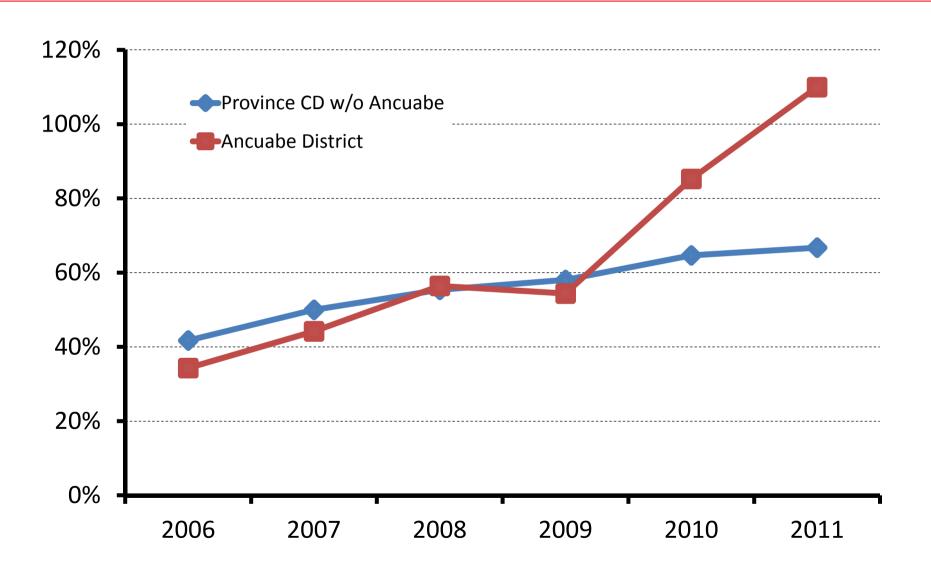


8996 women had an institutional birth and received a baby package.

	Range	Mean	SD
Age	12 a 50	24.9	6.68
Distance travelled to HC (KMs)	0 a 60	8	7.74

Institutional Births 2006-2011









The increase was statistically significant in both groups (χ^2 for trend p < 0.0001).

	Ancuabe District		Cabo Delgado Province	
	N births	% increase	N births	% increase
2009	2741		40870	
2010	4391	96.3%*	46535	15.8%*
2011	5790	31.9%†	49096	5.5%†

*comparison: last 6 months 2009 with last 6 months 2010. 95%CI of increase: Ancuabe 95.2, 97.1; Province: 15.3, 16.2

†comparison: year 2010 with year 2011. 95%CI of increase: Ancuabe 30.5, 33.3; Province: 5.3, 5.7





Since 2010, institutional births became more likely in Ancuabe than in the rest of the province.

	OR	95%CI	р
2006 - 2009	0.85	0.83, 0.88	0.0001
2010 - 2011	22.61	19.86, 25.74	0.0001





A 12 USD baby package is an effective incentive in rural Northern Mozambique for women to change their birthing behaviour despite serious socioeconomic difficulties.

Challenges ahead









- Investigate the impact of this increase in institutional births on maternal and neonatal morbidity and mortality using proxy indicators.
- Handing over the intiative for full management by the district health authorities and possible expansion into other districts of the province.
- Improve the quality of services in the health centres of the district, which in under 2 years have had to cope with double the number of births.
- Formulation of medium-term "exit" strategies for all involved

Mothers who had institutional births with their healthy infants...they are very grateful.



