

CONDITIONAL CASH TRANSFERS AND HEALTH: UNPACKING THE CAUSAL CHAIN

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Bie Announcement!



- ONGOING CALL: AusAID-DFID-3ie launch call for proposals under their joint <u>Systematic Review Program</u> (Deadline: November 29)
- examine the existing evidence on a particular intervention or program in low and middle income countries, using recognized international standards and guidelines
- New Users go to: <u>http://www.praxispts.com/3ieImpact/xaLogin/regLogin.asp</u> <u>x?register=1</u>
- 59 questions included: education, health, social protection, Governance, fragile states, conflict and disasters, environment, infrastructure, agriculture, economic development, aid effectiveness

Study Rationale



- CCTs use a multiplicity of interventions to reach their objectives
- However, until recently, the evaluations focused on the impacts of the package of interventions – the proverbial 'black box' approach
- Which components of the programs, or combination thereof, are important in achieving health and nutritional outcomes?
- Contribution of this paper:
 - adds the results of the most recent rigorous impact evaluations (10 only from 2009 and 2010!)
 - discusses whether available evidence supports the assumptions behind the expectation that the CCT interventions will have a measurable impact on health and nutrition outcomes

Methodology



- Theory-based approach, i.e. spelling out implicit assumptions and using existing evidence to illustrate our state of knowledge around said assumptions
- Following most of the Campbell collaboration criteria for systematic review
 - Rigorous search of multiple databases
 - Inclusion criteria:
 - > Studies assessing the effect of CCT interventions (with health conditionalities) in low and middle-income countries on health care utilization and health and nutrition outcomes
 - Study designs: Experimental (randomized controlled trials) and quasi-experimental (matching techniques, regression discontinuity design, interrupted time-series)



Studies included

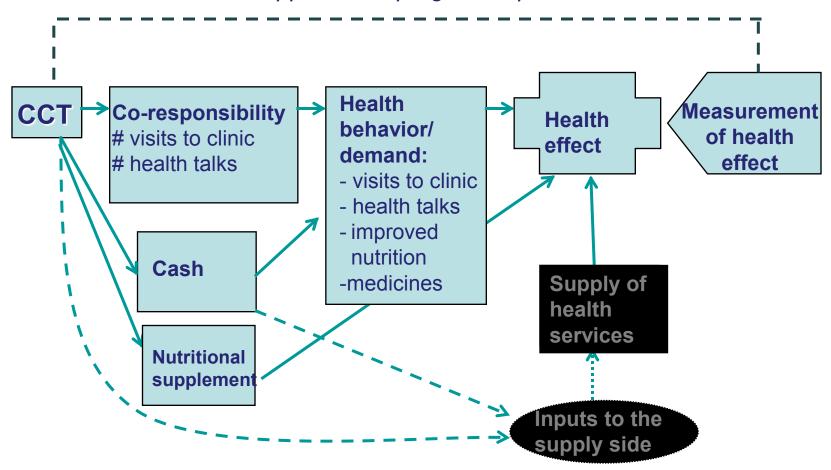


Programs / Interventions		# of studies	Eval. Method
1.	Brazil's Bolsa Alimentacao/Bolsa Familia	1	PSM
2.	Colombia's Familias en Acción	1	PSM
3.	Honduras' Programa de Asignacion Familiar (PRAF)	2	RCT
4.	Jamaica's Programme Advancement Through Health and Education (PATH)	1	RDD
5.	Mexico's Progresa/Oportunidades	29	various
6.	Mexico's Programa de Apoyo Alimentario	1	RCT
7.	Nicaragua's Red de Protección Social	2	RCT
8.	Paraguay's Tekopora	1	PSM
9.	Turkey's CCT Program	1	RDD
10.	Malawi Diffusion and Ideational Change Project (MDICP)	1	RCT
11.	Nepal's Safe Delivery Incentive Programme (SDIP)	1	ITS

Theory-based approach



Black box' approach to program impact evaluation

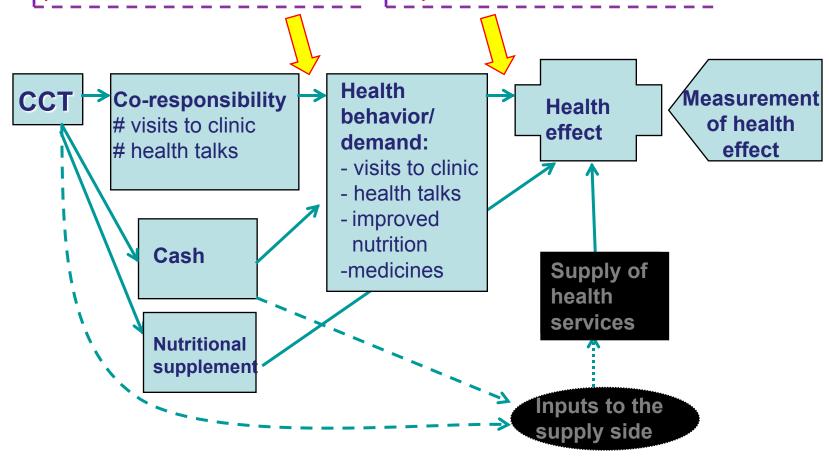


Theory-based approach



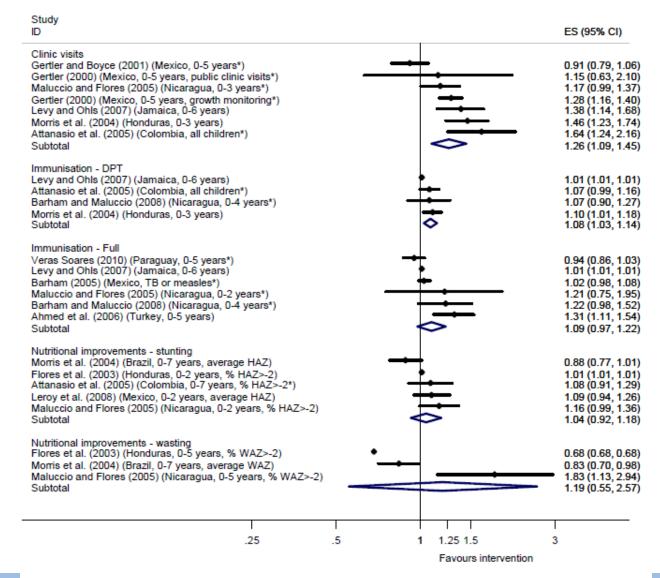
A1: CCT interventions lead to an increase in use of preventive health services

A2: Increase in utilization of preventive health care will improve health status



Forest Plots: Public Clinic Visits, Immunization, Stunting and Wasting







A3: Cash affects service utilization le and food consumption mainly

- Cash is found to affect growth and chronic disease independently of health care utilization in Mexico's Oportunidades program
 - Doubling of cash transfers associated with higher height-for-age score, lower prevalence of stunting, lower body-mass index for age percentile, and lower prevalence of being overweight among <u>children in the ages of 24-68</u> months old
 - Doubling of cash transfers associated with higher BMI, higher diastolic blood pressure, and higher prevalence of overweight and obesity among <u>adults</u> (although program has been found to lower obesity and diabetes rates) (Fernald et al., 2008)
- Poverty alleviation is found to affect mental health in Mexico's Oportunidades program
 - Lowering of stress-level (measured through cortisol) in children of mothers with depressive symptoms (Fernald and Gunnar, 2009)
 - 10% decrease in aggressive/oppositional symptoms but no significant decrements in anxiety/depressive symptoms (Ozer et al., 2009)
 - Negative association between higher cash transfers and children's behavior problems (Fernald et al., 2009)

A4: Information induces behavior change



- Knowledge of healthy practices improved more than the practices themselves (Duarte et al, 2004)
- Consumption of more diverse, high nutritional quality foods increased (fruits, vegetables, animal products) (Hoddinott et al, 2000)
- Youth in rural areas consumed less alcohol and more cigarettes than control groups, but no effect on adults (Duarte et al, 2004)
- Knowledge of family planning methods in both urban and rural areas increased, but higher use only found in rural areas (Prado et al, 2004)
- Communication to improve household utilization of nutrition supplement led to improved recommended behaviors (Bonvecchio et al, 2007)

A5: Conditioning necessary to induce desired levels of utilization

- No comparative study exists to date, but....
 - Agüero et al (2006) finds that a SCT program in South Africa increases nutritional status as measured by heightfor-age
 - Paxson and Schady (2007) find that Ecuador's SCT program improves children's nutrition, but no significant impact on visits to the health clinics for growth monitoring
- ➤ Thus, initial tentative findings indicate that conditionality is not required for a cash transfer program to have some nutritional impact, but without conditionality visits to health clinics are less likely to increase

As: Supply-side of services is in place or will follow demand



- Most programs assume that existing supply side capacity is sufficient to meet CCT beneficiary demand
- ..or that the beneficiaries can use their additional cash from the monetary transfer to incentivize the supply-side (no evidence)
- ..or that by learning that access to health care is a right, beneficiaries will begin to demand services and provider accountability
- Incipient evidence suggest supply-side constraints, but quality may be improved by more informed clients
 - Barber and Gertler, 2008, find lower incidence of low birth weight and attribute it to program women insisting on higher quality pre-natal care
 - Nevertheless, a recent study of rural Oportunidades (Bautista et al.; forthcoming) finds that in the presence of supply constraints, the incentive scheme is less effective in stimulating increased utilization of health services

Concluding remarks



- Financial incentives work to increase utilization of key health services by the poor (particularly when conditioned)
- However, once at the health center, the measured performance in terms of coverage of basic interventions, such as immunization, is bleaker
- The mixed picture with respect to health outcomes suggests that encouraging utilization when services are of poor quality may not produce the expected effects
- More evidence on health and nutrition outcomes from programs other than Oportunidades (Mexico) required
- Well-designed and delivered information about the program itself and about health-promoting behavior important for improving program performance
- Recent findings suggest that the poverty alleviation achieved with the cash transfers may affect health directly, by affecting mental health and life-style choices related to chronic diseases

Final thoughts



- What is the relative cost effectiveness of investing in the supply versus the demand-side within the health system?
- What are the implications if quality decreases or nonbeneficiaries are crowded out as a result of increased demand without adequate investment in the supply-side?
- Are there any marginal benefits of conditioned over unconditioned transfers?
- Are CCTs preventing/delaying more fundamental welfare state reforms in Mexico (political counterfactual)?



Gracias!

Visite:

www.3ieimpact.org