

Researchers

Najy Benhassine
World Bank

Esther Duflo
Massachusetts Institute of Technology

Pascaline Dupas
Princeton University

Timeline

2008-2010

Sample Size

Households with children of primary school age from 636 communities

Data Repository

<https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi%3A10.7910/DVN/29014>

Research Implemented by IPA

Yes

Conditional Cash Transfers for Education in Morocco

Key Finding Summary

In Morocco, researchers tested “Labeled Cash Transfers,” a small cash transfer made to parents of school-aged children in poor rural communities, not conditional on school attendance but explicitly labeled as an education support program. The program led to large gains in school participation, and adding conditionality and giving cash transfers to mothers rather than fathers made almost no difference.

Abstract

Conditional Cash Transfers (CCTs) have been shown to increase investments in education and health, but their standard features make them expensive. Researchers conducted a randomized evaluation of a cash transfer program in Morocco to estimate the impact on attendance and enrollment of a “labeled cash transfer” (LCT): a small cash transfer made to parents of school-aged children in poor rural communities, not conditional on school attendance but explicitly labeled as an education support program. The program led to large gains in school participation and adding conditionality and giving cash transfers to mothers rather than fathers made almost no difference.

Policy Issue

Around the world, conditional cash transfer (CCTs) programs have been shown to influence households’ investment decisions regarding education and increase school attendance and

educational attainment. One potential drawback of CCTs, however, is that two of their standard features, *targeting*—the process of defining and identifying eligible recipients—and *conditionality*—the requirement that recipients take certain actions, such as sending their children to school in order to receive the transfer—make them expensive to administer. Moreover, targeting and conditionality can also lead to the exclusion of the poorest segments of the population; targeting systems have been shown to be imperfect, often excluding many poor households; and conditionality means that those who cannot meet the conditions do not receive any benefit. While there is evidence that conditionality increases attendance, it is unclear how stringent the conditions must be. Can a cash transfer that encourages school enrollment without an explicit attendance requirement provide the small nudge necessary to increase educational achievements among disadvantaged communities?

Context of the Evaluation

Morocco is a lower middle income country: its GDP per capita was about \$3,000 in 2011. Education levels in the general population are relatively low and in 2011 only about 56 percent of the adult population was literate. While the national primary school enrollment rate is high, the rural primary school completion rate was still below 60 percent in 2008. In order to address these issues, the Moroccan Higher Council of Education (CSE) together with the National Ministry of Education (MEN) launched a nation-wide cash transfer program to encourage parents to keep their children enrolled in school.

Details of the Intervention

Researchers partnered with the Government of Morocco to evaluate the Tayssir program, a two-year pilot designed to increase student participation in primary school. Tayssir, which means “facilitation” in Arabic, made cash payments to parents in program communities with children aged 6 to 15. Parents had to formally enroll each of their children into the program. The pilot took place in 320 rural primary school sectors in the poorest areas within five of Morocco’s sixteen regions. The Tayssir pilot included two versions of the program:

Labeled cash transfer (LCT): In this version of the program, families with children of primary school age could receive transfers whether or not their children attended school. In practice, since enrollment in the Tayssir program happened at schools, children enrolled in Tayssir were automatically registered and enrolled in school at the same time, but the transfers were not conditional on continued enrollment. The monthly amount per child increased as each child progressed through school, starting from US\$8 for each child in grades 1 and 2 and increasing to US\$13 for children in grades 5 and 6. The average transfer amount represented about 5 percent of the average household’s monthly consumption, which is small compared to a range of 6 to 27 percent for existing CCTs in middle-income countries.

Conditional cash transfer (CCT): In this version of the program, cash transfers were disbursed to parents of primary school-age children, as long as their child did not miss school more than four times each month. The monthly transfer amounts were the same as those in the LCT program.

What's more, in order to determine if the effectiveness of the transfers depends on the gender of the parent who received the transfer (the child's mother or father), in half of the school sectors sampled for Tayssir, mothers (the recipients in almost all CCT programs to date) received the transfers; while fathers received the transfers in the other half.

Thus, each school sector sampled for the study was randomly assigned to one of five groups:

- LCT to father group (40 school sectors, 80 communities sampled for study)
- LCT to mother group (40 school sectors, 80 communities sampled for study)
- CCT to father group (90 school sectors, 180 communities sampled for study)
- CCT to mother group (90 school sectors, 180 communities sampled for study)
- Comparison group: no transfers (60 school sectors, 120 communities sampled for study)

Researchers collected information on student attendance and enrollment status for over 47,000 primary school aged children through unannounced visits to all schools.

Comprehensive baseline and endline surveys gathered data on around 4,400 households. At endline a basic test was administered to measure arithmetic performance of one child per household. Finally, awareness surveys were administered mid-course to measure teachers' and parents understanding of the program.

Results and Policy Lessons

Geographical targeting, by removing any ambiguity on eligibility, allowed for large program take-up. Around 97% of the study households in either the LCT or CCT communities had at least one child enrolled. Compliance with the random assignment of the gender of the transfer recipient was very high: it was close to 89% on average in schools where mothers had been designated as recipients, and around 80% in schools where fathers had been.

In terms of school participation, the Tayssir cash transfers had large impacts under all versions of the program, with slightly larger impacts for the LCT. After two years, the dropout rate among students enrolled in school at the start of the program in LCT schools was about 7 percentage points lower than the dropout rate of comparison schools (at 10 percent), a 70 percent decrease. Re-enrollment of those who had dropped out of school before the program almost doubled in LCT schools as compared to comparison schools, and the share of students who never enrolled in school fell by 43 percent. Performance on a basic arithmetic test improved but not significantly.

There was no difference in impacts between transfers issued to fathers and transfers issued to mothers. Making cash transfers conditional did not improve the effectiveness of the program either. If anything, it somewhat reduced it: relative to LCT schools, CCT schools had a slightly higher drop-out rate. Among students who were not enrolled at the start of the program, re-enrollment in CCT schools was lower than re-enrollment in LCT schools, perhaps because conditionality discouraged some households or teachers from enrolling weaker children in the program. That said, the rules of the program were overall poorly understood

by local communities. After one year, in the CCT groups, only about half of parents interviewed knew transfers were conditional; in the LCT groups, only about half of parents interviewed knew transfers were unconditional. A weak understanding of what households must do to qualify for the cash transfer naturally weakens the potential for conditionality to matter.

The finding that adding conditionality or directing the cash transfers to mothers did not increase the program's impact on student attendance or school enrollment is important. It likely is because the Tayssir program was framed as an educational support program, and perceived as an endorsement of the local schools, since headmasters were responsible for enrolling families. Data from the household surveys provides evidence that Tayssir, in all forms, increased parents' belief that education was a worthwhile investment.

Overall, the results of the Tayssir experiment suggest that in some contexts unconditional but labeled transfers targeted at poor communities can provide parents with the small nudge necessary to increase attendance. This "nudge" is relatively cheap, due to both small transfers per child and small administrative costs.

May 12, 2014