Group Lending versus Individual Lending in Mongolia

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Sector(s): Finance, Gender

Location: Rural Mongolia

Sample: 1,148 poor women

Target group: Rural population Women and girls

Outcome of interest: Earnings and income

Intervention type: Credit Information

AEA RCT registration number: AEARCTR-0000303

Data: Group Lending versus Individual Lending in Mongolia

Partner organization(s): European Bank for Reconstruction and Development (EBRD), Mongolian Women's Federation (MWF), XacBank

Disbursing, monitoring, and collecting microcredit loans can be costly in countries like Mongolia, where the population density is very low. As a result, rural women and poor households have considerably less access to microcredit than richer, male, and urban Mongolians. Researchers compared the impacts of providing group- or individual-liability loans to women in rural Mongolia. Access to group loans increased business ownership and food consumption among poor women, while individual loans had no effect on these outcomes. Both individual and group loans resulted in similar repayment rates.

Policy issue

Microfinance institutions (MFIs) provide formal financial services to millions of poor people around the world, but there is still much debate about the effectiveness of microcredit as a tool to combat poverty. Increased professionalism and scale among MFIs has made it less costly for them to monitor borrowers' creditworthiness, reducing their reliance on the peer enforcement of group lending. After years of rapid growth, many large MFIs have started to switch from a group-loan model of microcredit, pioneered by the Grameen Bank in the 1970s, to an individual-loan model. Yet, there is little evidence on the relative impacts of individual lending versus group lending on household consumption, income, and enterprise creation.

Context of the evaluation

Access to microcredit is widespread in Mongolia, but the country's low population density makes the extension of microcredit services to remote borrowers very costly. Rural women and poor households have considerably less access to microcredit than

richer, male, and urban Mongolians. MFIs are therefore looking for more cost-efficient ways to serve poor, rural borrowers.

Mongolian microcredit has traditionally been provided in the form of individual loans. In the past, many MFIs assumed that nomadic indigenous Mongolians would not take up group loans because they had small social networks outside their extended families. But in recent years, informal collective self-help groups have developed in rural areas across the country and have begun to offer loans to their members, suggesting that group lending may be feasible in Mongolia.

Herder and livestock, Mongolia. Photo credit: Unenbayer Khurelbaatar, J-PAL

Details of the intervention

Researchers examined the effectiveness of having access to either group or individual loans in reducing poverty among rural women. In February 2008, XacBank loan officers partnered with the Mongolian Women's Federation (a large local NGO) to deliver information sessions to women in 40 villages in rural northern Mongolia. The information sessions explained that there was a 75 percent chance that XacBank would start to offer either group or individual business loans in their village. Women who wanted to participate could sign up and were asked to list potential groups of about 7 to 15 women each. Only women with less than 1 million Mongolian tgrg (US$869) in assets and less than MNT 200,000 (US$174) in monthly earnings were deemed eligible to participate. Following a baseline survey, 15 villages were randomly selected to receive access to group loans, 15 to receive individual loans, and 10 to serve as comparison village.

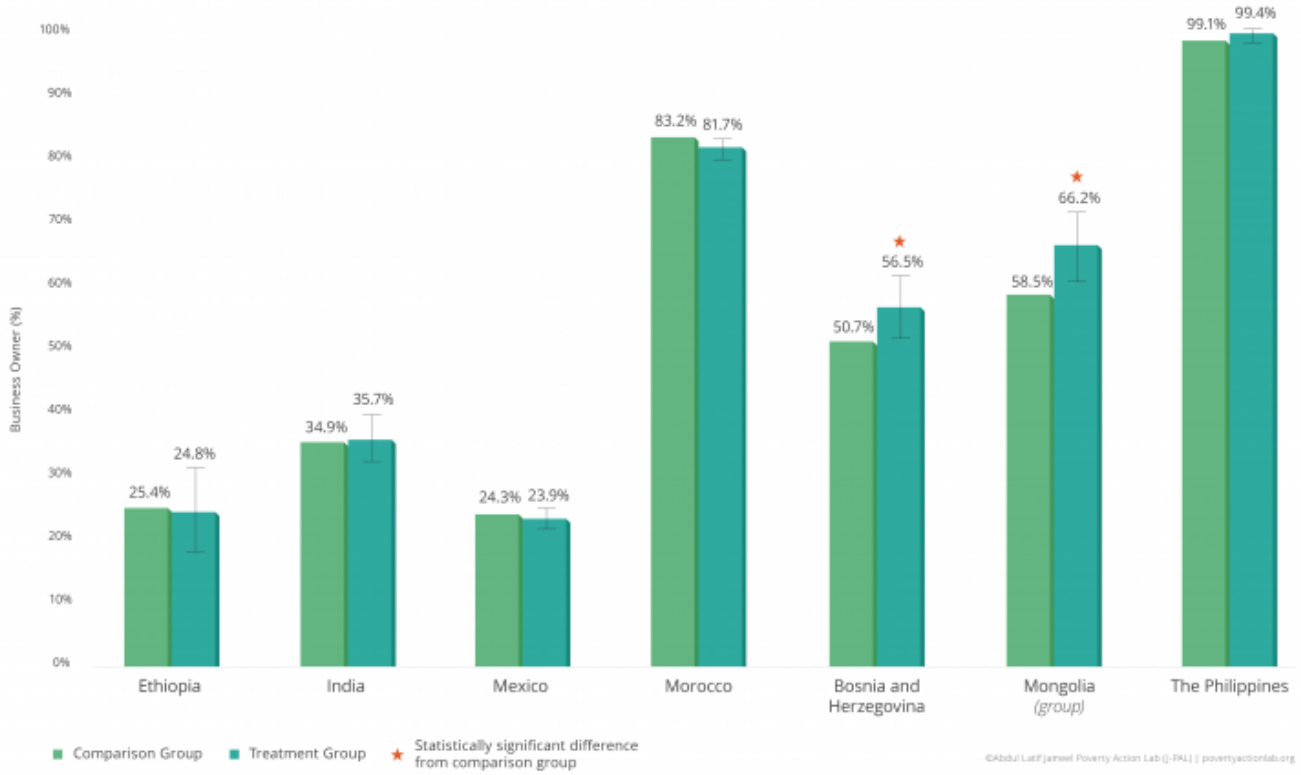
The interest rate for both group and individual loans varied between 1.5 and 2 percent per month, and was reduced by 0.1 percent after each successful repayment cycle. Both types of loans offered a range of amounts and maturity periods. The maximum size of the first loan to a group member was MNT 500,000 (US$435), while individual loans were often smaller in size. Before applying for a loan, groups had to build up savings equivalent to 20 percent of the loan amount. XacBank did not require

collateral for individual loans, but accepted it if it was available; 91 percent of the individual loans were collateralized. Neither loan type required public repayment meetings or other mandatory activities besides repayment. Households had been borrowing for five months on average by the time of the follow-up survey in 2009.

Results and policy lessons

Loan take-up and use: The intervention led to a significant increase in borrowing in the treatment villages, and women in group-lending villages were more likely to borrow than women in individual-lending villages. After approximately 14 months, 57 percent of survey respondents in group-lending villages and 50 percent in individual-lending villages borrowed from XacBank, compared to 6 percent within the comparison group. Around two-thirds of all borrowers in both group- and individual-lending villages reported using their first loans primarily to invest in a new or existing enterprise, usually by purchasing livestock, tools, or machinery, and used the remainder for household expenses.

Business activities: Women in group-lending villages were 9 percentage points more likely to own an enterprise from a 39 percent level of female entrepreneurship in the comparison group, and this impact was even larger for less educated women, who were 31 percentage points more likely to own an enterprise. Individual loans had no significant effect on women creating businesses of their own.



Microcredit access increased business ownership in Bosnia and Herzegovina and Mongolia

Household consumption: Access to group loans led to more and healthier food consumption, while individual loans had no effect. Food consumption increased by 14 percent in households in group-lending villages, and households were also significantly more likely to increase their consumption of milk, bread, and nonalcoholic beverages.

Repayment rates: Both individual and group loans resulted in similar repayment rates, providing evidence against the hypothesis that microcredit repayment rates are high primarily because of public weekly repayment meetings. Collateral was used to guarantee the vast majority of loans, which may also have contributed to their high repayment rates.

Outcome	Bosnia and Herzegovina	Ethiopia	India	Mexico	Mongolia	Morocco	Philippines
Business ownership	↑	—	—	—	↑	—	—
Business revenue	—	—	—	↑	—	↑	—
Business inventory/assets	↑	*no data*	↑	*no data*	↑	↑	—
Business investment/costs	—	—	↑	↑	*no data*	↑	↓
Business profit	—	—	—	—	—	↑	—
Household income	—	—	—	—	—	—	—
Household spending/consumption	—	↓	—	↓	↑	—	—
Social well-being	—	—	—	↑	—	—	↓

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Summary of microcredit's impact on various outcomes

Note: Green (red) arrows represent statistically significant positive (negative) differences in outcomes between the treatment and comparison groups at the 90 percent confidence level or higher, dashes represent no statistically significant difference. For more detailed information on the outcomes summarized in this table, please see the full footnote for Table 2 on page 11 of "Where Credit is Due."

Attanasio, Orazio, Britta Augsburg, Ralph De Haas, Emla Fitzsimons, and Heike Harmgart. 2015. "Group Lending or Individual Lending? Evidence from a Randomized Field Experiment in Mongolia." American Economic Journal: Applied Economics 7(1): 90-122.