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Appendix A: The Pre-Analysis Plan

The following two documents are the original *ex ante* analysis plans for the GoBifo research project. While we adhered strictly to the list of hypotheses and outcomes specified, for presentation purposes we changed the numbering of hypotheses. In the documents that follow, Hypothesis 1 concerning trust is referred to as Hypothesis 7 in the main text. Similarly Hypothesis 2 in the plans concerning collective action is now 4 in the main text, Hypothesis 3 concerning local public goods is now 2, Hypothesis 4 concerning groups and networks is now 8, Hypothesis 5 concerning information is now 9, Hypothesis 6 concerning participation and inclusion is now 5, Hypothesis 7 concerning participation in local governance is now 10, Hypothesis 8 concerning crime and conflict is now 11, Hypothesis 9 concerning systems of authority is now 6, Hypothesis 10 concerning economic welfare is now 3, and Hypothesis 11 concerning social and political attitudes is now 12. Finally, we compiled outcomes from several different hypotheses in the following documents that concern project implementation into a new hypothesis, which we refer to as Hypothesis 1 in the main text.

**Community Driven Development in Sierra Leone: GoBifo Analysis Plan**

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This document outlines the plan for analyzing the impact of the GoBifo Project, using the endline round 1 data. Note that this document was written up before the analysis of any endline round 1 data. We will produce a similar document before the analysis of any GoBifo endline round 2 data, which has not yet been collected.

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H8. By increasing trust, GoBifo reduces crime and conflict in community.

H9: GoBifo changes local systems of authority, including the roles and public perception of traditional leaders (chiefs) versus elected local government. (*Note that this is not an explicit objective of the GoBifo project leadership itself, but it is a plausible research hypothesis.)

H10: Participation in GoBifo improves general economic welfare.

H11: GoBifo changes political and social attitudes, making individuals more liberal towards women, more accepting of other ethnic groups and “strangers”, and less tolerant of corruption and violence. (*Note that this was not part of the original program hypotheses document but relates closely to GoBifo project objectives.)

I. Overview

GoBifo means “go forward” in Krio. The GoBifo Project is a community driven development (CDD) pilot project in Sierra Leone that seeks to build social capital, trust and capacity for collective action in the communities where it works. The project’s designers sought to do this by establishing (or re-establishing) inclusive and representative Village Development Committees (VDCs) in communities and then training them in egalitarian development planning. VDCs were then given grants with which to carry out development projects they had chosen in the planning process.

The evaluation—led by the Evaluations Unit of Institutional Reform and Capacity Building Project (a project of the Government of Sierra Leone and the World Bank), IRCBP, with technical assistance from the U.C. Berkeley Center for Evaluation of Global Action and the MIT
Jameel Poverty Action Lab—is designed to test the ability of a participatory CDD approach to build social capital, promote local public goods provision, and increase the inclusiveness of community decision making in a post-conflict environment where a lack of participatory decision making in local politics was seen by many as a contributor to the country’s long running conflict. If successful, the intention is to seek funding to scale up community level CDD programs and integrate them into one of the large scale community development programs in Sierra Leone.

The evaluation also seeks to develop and refine new participatory tools to identify much sought after, yet hard to measure, development outcomes such as trust and participatory decision making. Moving beyond traditional household survey methods, the endline deploys a series of innovative “gift experiments” designed to measure differences in the extent to which decisions in a community are made in a participatory way, the ability of a community to come together to provide local public goods, and the extent of local elite capture between treatment and comparison groups by observing the communities’ behavior when presented with multiple real-world choices.

The GoBifo project is among the first CDD projects designed to be evaluated by a randomized impact evaluation. In 2005, 118 treatment communities and 118 comparison communities were selected in Bombali and Bonthe districts of the country. A baseline survey (Nov 2005 – Jan 2006) was fielded to capture information on a range of indicators having to do with local public goods, social capital, trust, and capacity for local collective action, as well as certain individual and community characteristics across which the program may have differential impacts, such as socioeconomic status and exposure to violence during the war. After GoBifo completed its work and distributed all (or nearly all) of its grants to communities, an endline survey was fielded (May 2009 – June 2009).

Even before the baseline survey entered the field in 2005, the evaluation team and the project’s designers had developed a set of hypotheses about CDD they sought to test. This document explains each hypothesis and briefly discusses how each will be tested using the baseline and endline data.

II. Regression specifications

II.A. General Framework

The most general strategy for testing each hypothesis will be to regress the measures relevant for each hypothesis on a treatment indicator variable and controls using the following model:

\[ Y_{ic} = \beta_0 + \beta_1 T_c + V_c \Gamma + W_c \Pi + \epsilon_{ic} \]

where \( Y_{ic} \) is a given outcome (e.g., participation in local road brushing activities) for household \( i \) in community \( c \); \( T_c \) is the village treatment dummy; \( V_c \) is a vector of the community level controls; \( W_c \) is a fixed effect for geographic ward, the administrative level on which the randomization was stratified; and \( \epsilon_{ic} \) is the usual idiosyncratic error term, clustered at the village level (the unit of randomization). Here the parameter of interest is \( \beta_1 \), the average treatment
effect. Note that \( V_c \) can either be a sparse set of community level controls such as distance from road, population size, or a more detailed set of controls, including all the variables for which we expect interaction effects, as discussed below in section. The analysis will present specifications with both the sparse and detailed \( V_c \), as each have their possible strengths, e.g., while both yield unbiased estimates of program impacts, the more saturated specification may benefit from more precise estimates (smaller standard errors).

For all outcomes that were collected in both the baseline and endline surveys, analysis will exploit the panel structure of the data using the following adapted model:

\[
Y_{ict} = \beta_0 + \beta_1 T_c + \beta_2 P_t + \beta_3 (T_c \times P_t) + V_c \Gamma + W_c \Pi + \epsilon_{ict}
\]

where \( Y_{ict} \) is a particular outcome for household \( i \) in community \( c \) at time \( t \), where \( t = 0 \) if the observation was recorded before the program began (in the baseline survey) and \( t = 1 \) if recorded after the program concluded (in the endline survey). The additional indicator variable \( P \) signals the post-treatment period. The parameter of interest is now \( \beta_3 \), the average treatment effect. Since the geographic identifiers are fixed and the community-level controls largely do not change over time, these variables remain as described above and will be drawn from the baseline dataset unless otherwise indicated. Variables for which panel data is available are indicated in the hypotheses section.

There are a couple points to note regarding outcome measures. To start, some outcome measures are at the village level (e.g. the presence of local public goods) in which case \( Y_{ic} \) is replaced by \( Y_c \). In addition, while questionnaires were taken at “community” or “household-level,” many of the questions (e.g. those about political and social attitudes) in the household questionnaire were asked specifically about the individual respondent who answered the questionnaire. Within each community, these household respondents were randomly selected according to gender and age status (where youths were defined as 18 to 35 years and non-youths as 35 years and older).

Depending on the indicator, and whether it relates to the community, household or individual, the above regression models can be thought of as either regressions using community-, household-, or individual-level data.

The discussion of hypotheses below lists each indicator from the baseline and/or endline surveys that will be used to test each hypothesis. Standard errors in regressions using household level data will be adjusted to account for the fact that treatment is at the village level, by clustering disturbance terms by village. For each hypothesis, \( Y_{ic} \) (or \( Y_c \)) will be evaluated at least two separate ways:

1) regressing a single outcome measure on the dependent variables specified above; and
2) “mean effects” estimation, using multiple outcome measures to evaluate if the program has had an impact on a set of closely inter-related outcomes, for instance, the multiple questions dealing with trust, or those measuring information about local governance and politics, or local public service infrastructure, among others (as in Kling et al. 2007).

**II.B. Interaction Effects**
We are interested in examining whether GoBifo has differential impacts across households and villages with different characteristics, to assess the degree of heterogeneous treatment effects. To this end, we will estimate the following general regression model for each of our hypotheses indicators (as well as using a mean effects approach, as mentioned above):

\[ Y_{ic} = \beta_0 + \beta_1 T_c + \beta_2 R_{ic} + \beta_3 (T_c \times R_{ic}) + V'_c \Gamma + W'_c \Pi + \epsilon_{ic} \]

where \( R_{ic} \) is a vector of the individual and village level characteristics listed below across which we hypothesize GoBifo plausibly has differential effects. Similarly, where panel data is available, the interaction model takes the form:

\[ Y_{ict} = \beta_0 + \beta_1 T_c + \beta_2 P_t + \beta_3 R_{ic} + \beta_4 (T_c \times P_t) + \beta_5 (T_c \times R_{ic}) + \beta_6 (R_{ic} \times P_t) + \beta_7 (T_c \times P_t \times R_{ic}) + V'_c \Gamma + W'_c \Pi + \epsilon_{ict} \]

In these models, the parameter of interest (\( \beta_3 \) and \( \beta_7 \) respectively) provides the differential impact of treatment for different values of the interaction variable (e.g. if \( R_{ic} \) is a dummy variable equaling one for females, \( \beta_3 \) gives the additional treatment effect for women as compared to men). Some of the interactions may be particularly important for the hypotheses most closely linked to collective action. All of the variables below might impact the capacity for community collective action, but it is unclear whether those communities with a greater capacity for collective action will see little impact of GoBifo (because there is little room for improvement, for instance), or whether they will see the largest GoBifo impacts because any effects are magnified in communities with more capacity for collective action.

Set 1: Interaction variables explicitly targeted by the GoBifo project

- Gender
  - Benefits of GoBifo may have been larger among women than men, since they were explicitly targeted in the program, with the goal of boosting gender equality. Alternatively, men, whom the baseline confirmed are already more active in community decision making, may have used this influence to capture most program benefits.

- Age (Youths vs. elders)
  - Youth are often marginalized during community decision making processes, but they were explicitly targeted in the program, with the goal of boosting youth empowerment. Thus the effects of GoBifo on feelings of political empowerment and participation will plausibly be larger for youth relative to elders. Alternatively, elders, who are already quite powerful relative to youth in many Sierra Leone communities, may have used this influence to capture most program benefits.

- Household socioeconomic status (e.g., education, asset ownership)
  - Similar to the hypotheses for women and youth, poorer households were targeted by the program for greater voice in local community governance and thus may benefit more than other households. However, their marginalized position may have prevented them from capturing GoBifo benefits relative to other households.
- District (Bombali vs. Bonthe)
  - Randomization was stratified by district, and program effects may plausibly differ across districts due to their different ethno-linguistic, socio-economic and institutional characteristics, issues that we intend explore in detail.

- Indicators of remoteness (e.g. distance to roads).
  - At baseline, remote communities may be poorer, have less information, and less access to government officials and NGOs than less remote communities. They may also be more cohesive with less in and out migration or community members working outside the community. The value of materials communities could purchase with fixed GoBifo grants was less given the very high transport costs incurred in bringing the materials to the communities (a concern raised by GoBifo staff). For these reasons we might expect differential program impacts in more remote areas.

- Community size
  - In our discussions with GoBifo field staff, many indicate that they believe smaller population villages are often better able to adopt the GoBifo model to achieve local collective action then larger population villages, an issue we can test explicitly in the data. The classic work of Mancur Olson (1961) and many public economics authors on local collective and public good free-riders would predict this same pattern.

Set 2: Other interaction variables of interest

- War exposure
  Violence and trauma experienced during the recent conflict has affected levels of trust in communities and collective action. War-related displacement and the introduction of strangers into communities also have impacts. Destruction of infrastructure during the war reduced the stock of community resources and may influence community choices under GoBifo. We will estimate heterogeneous treatment effects of GoBifo, namely, whether a community driven development project can mitigate any negative conflict effects, and magnify any positive conflict legacies, by testing for interaction effects between treatment variables and measures of war and violence exposure. Two different hypotheses suggest that impacts could either be more or less pronounced in war exposed communities, and we will test both.

This will entail examining the outcome measures for in the above 11 hypotheses (H1-H11) while testing for significant interaction effects between the program treatment indicator with indices of war and violence exposure similar to those used in Bellows and Miguel (2008). The direction of these effects could go either way:
  - A widely heard argument about war exposure advances that collective action capacity and trust will be lower in communities more exposed to violence during the war. (The relevant variables are found in the HH, Village and Gift modules, as listed above.)
  - The findings of Bellows and Miguel (2008) and Blattman (2008) suggest the opposite, namely that communities exposed to violence during the Sierra Leone war and the Ugandan war, respectively, may actually have more trust and capacity for collective action. (The relevant variables are found in the HH, Village and Gift modules, as listed above.)
Ethno-linguistic fractionalization
- Collective action is plausibly more difficult to achieve in diverse communities (Easterly and Levine, 1997), and may also be more difficult where there are a higher concentration of “strangers” (those born outside the community).

Measures of chiefly authority
- Collective action and free rider problems are plausibly more easily overcome with strong chiefs who can encourage household contributions.

Fraction of individuals whose ancestors were slaves
- At the household level, slave descent is arguably an indicator of socio-economic marginalization. At the village level, divisions and resentments between formerly slaves and former slave-owning owning families may make collective action more difficult. Cross-country research (Nunn 2008) finds that countries with slave histories have worse institutional and economic performance.

III. Hypotheses
For each hypothesis, the following section lists the specific indicators to be analyzed (separately and as a group using mean effects) and whether panel data or only endline data is available for that indicator. For some hypotheses, this section identifies a primary set of indicators that most directly relate to and are most likely to be impacted by the project, and also lists a more speculative secondary set that tie less directly to program objectives to be tested separately. Note also that several indicators below are conditional—for example, measuring contributions to a public good given the fact that the public good exists in the community—and thus may apply to only a small sub-sample of observations. As the reduction in sample size decreases statistical precision, and in some cases may fall below the minimum size necessary to detect statistically significant effects, the mean effects analysis will be run with and without these conditional indicators as appropriate. Such small sample constraints will also be considered when interpreting the effects of conditional indicators on their own in the single outcome regression specifications. These concerns about conditionality and sample size apply to all indicators below whose description begins with the word “given.”

H1: Participation in GoBifo increases trust.
Household Level outcomes (all panel data):
- Stated respondent “trust” in other individuals (believe in them or have to be careful), and specific groups of individuals, such as community members, people from other villages, chiefdom officials, police, local councilors, central government officials, NGO/donor projects, is higher in GoBifo treatment villages (HH module, G5A through G5G).
- Treatment households are more likely to be a member of at least one osusu (savings group) (HH module, F1A and F1B)
- Hypothetically, if someone in the household left his or her wallet at a community meeting, he or she believes it will be there upon return (HH module, G1).
- In reality, if someone in the household has left his or her wallet at a community meeting and returned to find it (HH module, G2).
- Hypothetically, if someone in the household could not travel to market, he or she would entrust a community member to buy it for them (HH module, G3).
- In reality, someone in the household was not able to travel to market and entrusted a community member to buy it for them (HH module, G4).

(Testing this and other hypotheses also includes identifying interaction effects, as discussed in section IIB above.)

**H2: Participation in GoBifo increases collective action and contribution to public goods.**

**Household Level outcomes (all panel data save the last two concerning the gift experiment):**

- Among farming households, households in treatment villages are more likely to work on communal farms (HH module, D12).
- Given that households work on a communal farm, treatment households do so more frequently (HH module, D12A).
- Treatment households are more likely to brush (clean) the road in their communities (HH module, F11).
- Treatment households are more likely to give money to local school associations (PTA, CTA, SMC) (HH module, F3G).
- Treatment households are more likely to contribute labor to local school associations (PTA, CTA, SMC) (HH module, F3H).
- In treatment communities, households think the community will be able to raise more funds for the vouchers (HH module, E13).
- In treatment communities, households report that they themselves will contribute more to the building materials vouchers (HH module, E14).
- Given membership in each of the following groups—osusu (savings group), labor sharing gang, school PTA, social club, religious group, savings for events, traditional society—treatment households are more likely to contribute financially and with their own labor (HH module, F1-7g and F1-7h).

**Community Level outcomes:**

**Primary (all panel save the first two regarding the voucher experiment):**

- Treated communities are more likely to redeem the building materials vouchers (Gift experiment).
- Given that the community redeemed any building materials vouchers, treated communities will raise and spend more funds in the store (Gift experiment).
- Treated villages are more likely to have had a VDC since 2006 than control communities (Village module, G17).
- Treatment communities are more likely to have taken a project proposal to an external funder (Village module, H9).
- Treatment communities are more likely to have communal farms (Village module, F1).
- Treatment communities are more likely to have a community teacher (Village module, E1).
- Given that the community has a community teacher, treatment communities are more likely to have him trained (Village module, E2).
• Given that the community has a community teacher, treatment communities are more likely to provide incentives in food, cash, or providing work in their farm (Village module, E3A, E3B, E3C).
• Given that the community provides incentives to the community teacher in cash, the amount provided in treatment communities is higher (Village module, E3B1).
• Given that a particular asset exists in the community, for each public asset treated communities are more likely to have provided some of their own funds for its construction (Village C1d-C16d)

Secondary (all panel save the last four indicators regarding maintenance)
• Given that the community has a community teacher, if someone in the community was supposed to contribute and didn’t, treatment communities are more likely to take collective action to convince him/her (Village module, E7A through D).
• Given the presence of a primary school in the community, treatment communities are more likely to have formal maintenance plans for local primary schools than controls (Village module, D1 Da).
• Given the presence of a latrine in the community, treatment communities are more likely to have formal maintenance plans for local latrines than controls (Village module, D2 Da).
• Given the presence of a drying floor in the community, treatment communities are more likely to have formal maintenance plans for the drying floor than controls (Village module, D3 Da).
• Given the presence of at least one water well in the community, treatment communities are more likely to have formal maintenance plans for local water wells than controls (Village module, D4).

H3: Participation in GoBifo improves the quality and quantity of local public services infrastructure.
Community Level outcomes:
Primary (all panel data)
• Treatment communities have more/higher quality primary schools than controls (Village module, C1B and C1C; K10A through K10D).
• Given that the community has a primary school, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C1D)
• Treatment communities have more/higher quality public health units (community health centers, community health posts, maternal & child health post) than controls (Village module, C3B, C3C, C3AB).
• Given that the community has a public health units (community health centers, community health posts, maternal & child health post), a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C3D)
• Treatment communities have more/higher quality water wells (manual or mechanical wells) than controls (Village module, C4B, C4AB, C4BB; K13A through K13D).
• Given that the community has a well, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C4AC, C4BC).
• Treatment communities have more/higher quality drying floors than controls (Village module, C7B and C7C).
• Given that the community has drying floors, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C7D).
• Treatment communities have more/higher quality communal grain stores than controls (Village module, C8B and C8C; K12A through K12D).
• Given that the community has drying floors, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C8D).
• Treatment communities have more/higher quality community centers than controls (Village module, C10B and C10C).
• Given that the community has community centers, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C10D).
• Treatment communities have more/higher quality palava huts than controls (Village module, C11B and C11C).
• Given that the community has palava huts, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C11D).
• Treatment communities have more/higher quality court barries than controls (Village module, C12B and C12C).
• Given that the community has court barries, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C12D).
• Treatment communities have more/higher quality markets (Village module, C14B and C14C; K11A through K11D).
• Given that the community has markets, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C14D).
• Treatment communities have more/higher quality latrines than controls (Village module, C15B and C15C).
• Given that the community has latrines, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C15D).
• Treatment communities are more likely to recently have taken a development project to an external funder (Village module, H9).

Secondary (all panel save the last five regarding maintenance)
• Treatment communities have more/higher quality secondary schools than controls (Village module, C2B and C2C).
• Given that the community has a secondary school, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C1D).
• Treatment communities have more/higher quality mosques/churches than controls (Village module, C5B, C5C, C6B, C6C).
• Given that the community has a mosque/church, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C5D, C5D).
• Treatment communities have more/higher quality children’s centers than controls (Village module, C9B and C9C).
• Given that the community has children’s centers, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C9D).
• Treatment communities have more/higher quality cassava greater/garri processors than controls (Village module, C13B and C13C).
• Given that the community has cassava greater/garri processors, a higher share of treatment communities provide community funds to it (completely or partially) (Village module, C13D).
• Given the presence of a primary school in the community, treatment communities are more likely to have formal maintenance plans for local primary schools than controls (Village module, D1 Da).
• Given the presence of a latrine in the community, treatment communities are more likely to have formal maintenance plans for local latrines than controls (Village module, D2 Da).
• Given the presence of a drying floor in the community, treatment communities are more likely to have formal maintenance plans for the drying floor than controls (Village module, D3 Da).
• Given the presence of at least one water well in the community, treatment communities are more likely to have formal maintenance plans for local water wells than controls (Village module, D4).
• Given that the community has recently implemented at least one development project, treatment communities are more likely to have formal maintenance plans for them (Village module, H2 through H8, part f).

H4: Participation in GoBifo builds and strengthens community groups and networks.
Household Level outcomes (first 9 indicators are panel data, remaining 7 appear in endline only):
• Treatment households are more likely to have attended to church/mosque in the last month (HH module, F9)
• Treated households are likely to offer higher cash contributions to the church/mosque (HH module, F10).
• Given that they needed to re-thatch their roof, treatment households are more likely to have received help from other members of the community (HH module, F12A).
• Treatment households are more likely to have helped neighbor re-thatch roof (HH module, F13).
• Treatment households are more likely to be a member of at least one osusu (savings group) (HH module, F1A and F1B).
• Given membership in osusus (savings groups), treatment households are more likely to have attended a meeting in past four weeks, contribute more to them (financially and with labor) (HH module, F1F, F1G, F1H).
• Treatment households are more likely to be a member of at least one school PTA/CTA or SMC (HH module, F2A and F2B).
• Given membership in a school PTA/CTA or SMC, treatment households are more likely to have attended a meeting in past four weeks, contribute more to them (financially and with labor) (HH module, F3F, F3G, F3H).
• Treatment households are more likely to be a member of at least one social club (sports, dances, activities) (HH module, F4A and F4B).
• Given membership in a social club (sports, dances, activities), treatment households are more likely to have attended a meeting in past four weeks, contribute more to them (financially and with labor) (HH module, F4F, F4G, F4H).
• Treatment households are more likely to be a member of a religious group (not only attending to church/mosque) (HH module, F5A and F5B).
• Given membership in a religious group (not only attending to church/mosque), treatment households are more likely to have attended a meeting in past four weeks, contribute more to them (financially and with labor) (HH module, F5F, F5G, F5H).
• Treatment households are more likely to be a member of group savings for major events (weddings, funerals) (HH module, F6A and F6B).
• Given membership in group savings for major events (weddings, funerals), treatment households are more likely to have attended a meeting in past four weeks, contribute more to them (financially and with labor) (HH module, F6F, F6G, F6H).
• Treatment households are more likely to be a member of a traditional society (HH module, F7A and F7B).
• Given membership in a traditional society, treatment households are more likely to have attended a meeting in past four weeks, contribute more to them (financially and with labor) (HH module, F7F, F7G, F7H).

H5: Participation in GoBifo increases access to information about local governance.
Household Level outcomes (all panel data save the first two regarding the gift choice):
• Households in treatment communities are more likely to attend meetings to discuss the gift choice (HH module, E1).
• In treatment communities, a higher proportion of households know what were the two gift options (E2) and a higher proportion knows which gift was chosen (E3) (HH module).
• Treatment households more likely to correctly name their Local Councilor (HH module, I1).
• Treatment households more likely to correctly name their Local Council chairperson (HH module, I2).
• Treatment households more likely to correctly name their Section Chief than controls (HH module, I3).
• Treatment households more likely to correctly name their Paramount Chief (HH module, I4).
• Treatment households more likely to know when the next general elections are going to be held (HH module, I5).
• Treatment households more likely to correctly identify the amount adults are supposed to pay in local tax (5000 or 2000 Leones, depending on the situation) (HH module, I6).
• Treatment more likely to know who spends market dues (chief or local council) (HH module, I7A).
• Treatment households more likely to know about local council projects than controls (HH module, I8).
• Treatment households more likely to obtain information on politics through alternative channels (i.e., radio), rather than relying on local authorities (chief/village headman, Local Council/WDC, other community leaders) for information (HH module, 9).

Community Level outcomes (all panel save the last one regarding Paramount Chief visits):
• Treatment communities more likely to publicly display awareness campaign posters, financial information, development plans, minutes from a meeting, government policies, rights, etc., or election/voting information (Village module, K5A through K5F).
• Treatment communities more likely to get visits from Ward Development Committee members (Village module, G7).
• Treatment communities more likely to get visits from Local Council member (Village module, G8).
• Treatment communities more likely to get visits from the Paramount Chief (Village module, G10).

As GoBifo explicitly sought to improve linkages with the Local Councils, a sub-hypothesis relating to this is that knowledge about Local Councils increased even if other information about governance did not increase. We will therefore also run the above with only the indicators related to Local Councils and Ward Development Committees.

**H6: GoBifo increases inclusion and participation in local planning and implementation, especially for poor and vulnerable groups; GoBifo norms spill over into other types of community decisions, making them more inclusive, transparent and accountable**

Household Level outcomes (first 3 endline only, others panel):
• Treatment households more likely to have attended the community meeting to decide what gift to choose (HH module, E1).
• In treatment communities, a higher proportion of women and youth respondents report attending the community meeting to decide what gift to choose (HH module, E1).
• Given attendance at the meeting to decide on the gift, treatment households more likely to speak publicly (HH module, E6).
• In a hypothetical situation, more treated households agree that if someone from outside comes to the community and wants to do a project, the best thing to do is to take a democratic decision (discuss as a community, or have a vote), rather than allow the village authorities to decide (HH module, K13).
• Given membership in each of the following groups—osusu (savings group), labor sharing gang, school PTA, social club, religious group, savings for events, traditional society—treatment households are more likely to have attended a meeting in past four weeks (HH module, F1-7f).
• Treatment households more likely to attend community meetings (HH module, H1).
• Given meeting attendance, treatment households more likely to make speeches, comments, or suggestions (HH module, H1B).
• Given that the community has community teachers, treatment households are more likely to go to meetings to decide what to give to the teachers as payment (HH module, H2A2).
• Given attendance at community teacher meetings, treatment households are more likely to make speeches, comments, or suggestions (HH module, H2AI).
• Given membership in a communal farm, treatment households are more likely to attend a meeting to decide what to plant (HH module, D12b).
• Given attendance at communal farm meeting, treatment households more likely to make comments (HH module, D12bi).

For the next 4 primary indicators, we expect that GoBifo will influence communities to take decisions in a more democratic fashion and for respondents to report that this is so; however, we acknowledge that GoBifo might make participants more aware of authority and thus more likely to express criticism of perceived inequities in voice (all endline only).
• Treatment households more likely to describe how the gift decision was made as more democratic (HH module, E7).
• Treatment household more likely to report that everyone had equal say in the gift decision (HH module, E8).
• Treatment household more likely to report that everyone will have equal say in how to use the tarp (HH module, E10).
• In a hypothetical situation, treatment households are more likely to agree that if the big ones in the community wanted salt and everyone else batteries, they will choose the latter (HH module, E5).

Community level outcomes:
Primary outcomes (all indicators endline only)
• Treated communities have higher participation in meetings to determine the allocation and use of village resources, relative to control communities (Gift module, A1/5, B1/7, C1/5).
• Members of treatment communities participate more actively in the gift choice (Gift module, S1, D1)
• More women and youth in treatment communities attend to community meetings to determine the allocation and use of village resources, relative to control communities (Gift module, A1/5, B1/7, C1/5).
• Women and youth in treatment communities are more active in community meetings held to determine the allocation and use of village resources, relative to control communities (Gift module, D1A and D1B, S1A and S1B).
• Decisions about the allocation and use of village resources is more likely to include a vote in treatment communities (Gift module, question S12 and S7D).
The deliberation is likely to be more inclusive in treatment communities: more public debate (S7A), less public discussion among opinion leaders (S7B) (Gift module).

In treatment communities, the decision about the gift was done in a more democratic way, with 1 being the least democratic, and 5 being the more democratic (Gift module, S8, D3, A6, B8, C6).

In treatment communities, it is less likely to have a group leave the meeting to discuss separately (“hanging heads”) (Gift module, S7C and S11)

In treatment communities, given that there was a hanging heads, the “hanging head” group is more inclusive (Gift module, S11A, with 1 being less inclusive and 3 more inclusive, drop 4; higher proportion of women and youth included A2-4, B3-5, C2-4).

In treatment communities, it is more likely to have women play a relatively more important role, compare to men (Gift module, S28, A7, D5, 5 being better).

In treatment communities, it is more likely to have youth play a relatively more important role, compare to non-youth (Gift module, S29, C7, D6, 5 being better).

Treatment communities are expected to have longer meetings (Gift module, B2/B6)

In treatment communities, gift choice is more likely to reflect the view of the majority of household respondents (Gift S2 and HH module C8)

Secondary outcomes (all indicators endline only save the last few regarding community teachers, communal farms and presence of a VDC, which are panel)

- In treatment communities, people are more likely to take minutes during the meeting (Gift module, S9).
- In treatment communities, it is more likely to have facilitation (Gift module, S10).
- Given that there is a facilitator, it is less likely to be a traditional authority, and/or more likely to be a woman or a youth in treatment communities (S10D).
- In treatment communities, non-traditional leader, or youth or woman is more likely to announce the final decision of the meeting in treatment communities (Gift module, S13).
- In treatment communities, non-traditional leader, or youth or woman is more likely to accept the cards in treatment communities (Gift module, S14).
- In treatment communities, it is more likely that opinions were publicly expressed (Gift module, S15).
- In treatment communities, more different opinions were expressed (Gift module, a higher proportion of S15A through S15D is YES).
- In treatment communities, at least one woman is more likely to publicly express her opinion in the meeting (Gift module, S15F).
- In treatment communities, at least one youth is more likely to publicly express his/her opinion in the meeting (Gift module, S15G).
- In treatment communities, more of the public discussion is dedicated to a logical argument (Gift module, S17, 5 being better).
- In treatment communities, more of the public discussion is dedicated to how the gift will be distributed (Gift module, S18, 5 being better).
- In treatment communities, more of the public discussion on how the tarpaulin will be used (Gift module, S19, 5 being higher).
• In treatment communities, there is more discussion of how to raise money for the cards (Gift module, S20, 5 being better).
• In treatment communities, it is more likely to have mentioned the VDC during the discussion (Gift module, S21).
• In treatment communities, it is more likely that village authorities actively reach out to women during the meeting (Gift module, S22).
• In treatment communities, it is more likely that village authorities actively reach out to youth during the meeting (Gift module, S23).
• In treatment communities, the discussion is likely to be less concentrated (Gift module, S24, 4 being less concentrated).
• In treatment communities, participants were more likely to appear more satisfied with the outcome of the deliberation (Gift module, S27).
• No expectation on whether treatment communities would choose salt or batteries.
• Treatment communities held a community meeting more recently (Village module, G15)
• Given that they held a meeting, treatment communities more likely to record minutes (Village module, G15C).
• Treatment communities more likely to have a VDC since 2006 (Village module, G17)
• Given presence of a VDC, treatment communities have a higher proportion of women and youth members (Village module, G18)
• Given that the community has community teachers, treatment communities more likely to have a meeting to decide how much to pay them (Village module, E4).
• Given that the community has community teachers, treatment communities more likely to report that everyone had equal say in deciding how much to pay them (Village module, E4).
• Given that the community has communal farm, treatment communities more likely to have a meeting to decide what to plant (Village module, F2i).
• Given that the community has communal farm, treatment communities more likely to keep paper records about farm proceeds (Village module, F2l).

H7: GoBifo increases public participation in local governance and politics
Household level outcomes (first 7 panel, last 4 endline only):
• Treatment households are more likely to have voted in the last general Presidential election (2007) (HH module, J2 and J3, verify with punch J5 and J6).
• Treatment households are more likely to have voted in the last local government elections (2008) (HH module, J4, verify with punch J7).
• Treatment households more likely to have attended a local council meeting or had direct contact with the local councilor (HH module, J16).
• Treatment households more likely to have attended a WDC meeting or had direct contact with a WDC member (HH module, J20).
• Treatment households more likely to believe they can change an unjust local council policy (HH module, J8).
• Treatment households more likely to think they can change an unjust chiefdom policy (HH module, J9).
• If not a member, treatment respondents are more likely to want to become a member of the VDC (HH module, J1a).
• Treated households are more likely to discuss politics with someone of the community more often (HH module, K11, 1 more often, 5 never).
• Treatment households more likely to agree that the local council listens to what people say or need (HH module, J17).

Community level outcomes (all panel save the last indicator):
• Treatment communities are more likely to have someone standing in the Paramount chief elections than control communities (Village module, G3).
• Treatment communities are more likely to have someone standing in the Section chief elections than control communities (Village module, G4).
• Treatment communities are more likely to have someone who contested the party symbol than control communities (Village module, G5).
• Treatment communities are more likely to have someone running for the Ward development committee than control communities (Village module, G6).
• Treatment communities more likely to have a VDC since 2006 (Village module, G17)
• Given presence of a VDC, treatment communities have a higher proportion of women and youth members (Village module, G18)

H8. By increasing trust, GoBifo reduces crime and conflict in community
Household level outcomes (first 3 endline only, last 4 panel):
• Households in treatment communities are more likely to agree that the use of violence is never justified in politics (HH module, K1).
• Households in treatment communities are more likely to agree that husbands don’t have the right to beat their wives (HH module, K3).
• Households in treatment communities are less likely to agree that in order to raise a child properly, you have to beat him/her (HH module, K7).
• Households in treatment villages have less reported personal conflicts over loans or other money issues (HH module, L1).
• Given that the household had a problem over a money business, treatment households are less likely to be engaged in personal violence or fighting (HH module, L1C).
• Treatment households experience less theft of household items, money or livestock (HH module, L4 through L7).
• Treatment households experience fewer witchcraft crimes (HH module, L8).

H9: GoBifo changes local systems of authority, including roles and public perception of traditional versus local government
Household level outcomes (first 7 endline only, last 3 panel):
• Members of traditional authority (chiefly) households in treatment communities have less influence in community decision-making, in particular, in the Gift module choice between salt and batteries, and in how the tarpaulin gift is to be used (HH module, E7, E8, E10).
• In treatment communities, it is more likely that households agree that the tarpaulin should be stored in a public space (HH module, E12 options 2, 3, or 4).
• Given that the tarpaulin was stored in a private residence, it is more likely that it was not stored in the residence of a traditional authority (HH module, E12A).
• Treatment community respondents are more likely to agree that citizens should question the actions of leaders, rather than having more respect for authorities (HH module, K2).
• Treatment community respondents are more likely to agree that responsible women or youth can be good leaders and should be encouraged to stand in elections (HH module, K5).
• In a hypothetical situation, more treated households agree that if someone from outside comes to the community and wants to do a project, the best thing to do is to take a democratic decision (discuss as a community, or have a vote), rather than allow the village authorities to decide (HH module, K13).
• Treatment households are less likely to resolve disputes/conflict through traditional authorities (HH module, L2A through L2J).

For the next two primary indicators, note that GoBiFo did not aim to diminish the influence of traditional authorities and thus these are research questions only and not explicit program objectives (see note on page 1).

• In treated communities, relative to control, households are more likely to have a higher level of trust and confidence in Local Councils as compared to traditional chiefdom authorities (G5e vs. G5c, J12 vs. J17)
• In treated communities, households have feel that Local Council officials listen to them more as compared to traditional chiefdom authorities (J13 vs. J18)

Secondary (panel)
• Given that the respondent had a conflict with someone over a loan or other money business, treatment households are less likely to resolve it through traditional authorities (HH module, L1B).

Community level outcomes:
• Given that the community has a community teacher, in treatment communities the most influential person in the decision on how much to pay him/her was not one of a traditional authority (Village module, E5).
• Given that the community has a community teacher, if someone was supposed to contribute and didn’t, in treatment communities it is less likely that they report him to the chief (Village module, E7C and E7D).
• In treatment communities the chief and local elders do not make decisions about the allocation and use of village resources without taking into account input from other community members (Gift module).
• Treatment communities are more likely to take a vote on decisions regarding the allocation and use of village resources (Gift module).
• In treatment communities, it is less likely that the chief or elders decide about the gift without consulting the rest of the population (Gift module, A6, B8 ,C6, D3).
H10: Participation in GoBifo improves general economic welfare
Household Level outcomes (first 3 include a mix of panel and endline indicators, last 4 are endline only):

- Proxies for household income – assets measures (based on principal components analysis) and estimated household consumption – are higher for treatment households (HH module, C7 through C14).
- Treatment households move into higher economic quintiles relative to entire sample of treatment and control villages (HH module, C7 through C14).
- Treatment households have more diverse sources of income (D1-D3, section A).
- Treatment households generate more income (D1-D3, section b).
- A higher proportion of households market their agricultural production (D7 through D11B).
- Given that they market their agricultural goods, treatment communities have higher revenue (D7 through D11C).
- Children in treatment households spend more days in school in the last week than children in control households (HH module, C17 through C23).

Community Level outcomes (both panel):

- Treatment communities are more likely to have petty merchants selling packaged goods (cigarettes, crackers, etc) than control communities (Village module, K6).
- Treatment communities are more likely to appear better off than other communities visited in their area (Village, K14)

H11: GoBifo changes political and social attitudes, making individuals more liberal towards women, more accepting of other ethnicities and “strangers”, and less tolerant of corruption and violence.
Household Level outcomes (first two panel, rest endline only):

- Given membership in osusus (savings groups), treatment households are more likely to participate in co-ed groups, groups in which youth and non-youth are together, and/or groups in which members of other tribes also participate (HH module, F1B, F1C and F1D).
- Given membership in labor sharing gangs, treatment households are more likely to participate in co-ed gangs, labor gangs in which youth and non-youth are together, and/or labor gangs in which members of other tribes also participate (HH module, F2B, F2C and F2D).
- Given membership in social clubs (sports, dances, activities), treatment households are more likely to participate in co-ed associations, associations in which youth and non-youth are together, and/or associations in which members from other tribes also participate (HH module, F4B, F4C and F4D).
- Given membership in religious groups (not just going to church/mosque), treatment households are more likely to participate in co-ed associations, associations in which youth and non-youth are together, and/or associations in which members from other tribes also participate (HH module, F5B, F5C and F5D).
• Given membership in group savings for major events (weddings, funerals, etc), treatment households are more likely to participate in co-ed associations, associations in which youth and non-youth are together, and/or associations in which members from other tribes also participate (HH module, F6B, F6C, and F6D).

• Given membership in traditional societies, treatment households are more likely to participate in associations in which youth and non-youth are together, and/or associations in which members from other tribes also participate (HH module, F7B, F7C, and F7D).

• Treatment households are more likely to report that it is not right to abuse one's wife (HH module, K3).

• Treatment households are more likely to agree that responsible young people can be good local leaders (HH module, K4).

• In treatment communities, household members are more likely to agree that women can be good politicians, and they should be encouraged to stand in elections (HH module, K5).

• Treatment individuals express less tolerance of violence and corruption (HH module, K6).

• Treatment households are more likely to agree that responsible people can be good leaders, even if they are not originally from their community (HH module, K8). In treatment communities, household members are less likely to agree that local leaders have the right to force people to work for the community (HH module, K9).

• In treatment communities, household members are more likely to agree that local leaders treat youth with respect (HH module, K10).

Community Level Outcomes:

• Given that the community has a community farm, youth, women and members of other villages are more likely to work in the farm, whereas children are less likely to work on them (Village module, F2A, F2B, F2C, F2D).

Community Driven Development in Sierra Leone: Supplementary Indicators

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This document provides additional indicators that will be assessed as part of the GoBifo Project impact evaluation using the endline round 2 data. Note that this document was written up before the analysis of any endline round 2 data. For details on the overall analysis plan and first round indicators, see “Community Driven Development in Sierra Leone: GoBifo Analysis Plan.”

Almost all of the following indicators are available in the endline data only, so will not be analyzed in panel format.

H1: Participation in GoBifo increases trust.
Community Level outcomes
- Treatment communities are more likely to have collective market groups (E15).

**H2: Participation in GoBifo increases collective action and contribution to public goods.**

Household Level outcomes:
- Given the existence of each public asset—primary school, health clinic, TBA house, water well, dry floor, grain store, community center, latrine, football field—respondents in treatment areas are more likely to report making financial, labor and/or local material/food contributions to the construction or maintenance of the asset (C1E-C16E; C1F-C16F; C1G-C16G).

Secondary outcomes
- Given the existence of each public asset—secondary school, mosque, church, market—respondents in treatment areas are more likely to report making financial, labor and/or local material/food contributions to the construction or maintenance of the asset (C1E-C16E; C1F-C16F; C1G-C16G).
- Household in treatment communities are more likely to report contributing and contributing more to the building materials voucher (G15).

Community Level outcomes:
- Treatment communities are more likely to have used the tarp (T5, V1A).
- Treatment communities use the tarp more frequently (T8).
- Given use of cards, treatment communities are more likely to have begun to use the building materials or have a plan for how to use them (C14, C15, V2A).
- Treatment communities are more likely to have collective market groups (E15).
- Given use of cards, treatment communities are more likely to have brought the supplies back to the village (C13).
- Given that they have built something with the materials, quality of construction will be higher in treatment communities (V2Ai).
- Foot paths in treatment communities are less likely to be bushy (V3).
- Treatment communities are more likely to have brushed their foot path more recently (V4).

Secondary outcomes
- Given non-use of the tarp, treatment communities are more likely to have a plan for how to use the tarp (T10).

**H3: Participation in GoBifo improves the quality and quantity of local public services infrastructure.**

Household Level outcomes:
- In treatment communities, respondents report that the community has a larger stock of functional public infrastructure (C1B/C-C16B/C).
- Given the existence of each public asset—primary school, health clinic, TBA house, water well, dry floor, grain store, community center, latrine, football field—respondents in treatment areas are more likely to report making financial, labor and/or local material/food contributions to the construction or maintenance of the asset (C1E/F/G-C16E/F/G).
Community Level outcomes:
- Treatment communities are more likely to have used or plan to use the tarp for a public good and less likely to use it for private purposes (T6, T7, T10A/B).
- Given use of the cards, treatment communities are more likely to use or plan to use the cards towards a public good (C14A, C14B, C15A, C15B).
- Treatment communities are more likely to have a seed bank (G2).
- Treatment communities are more likely to have a grain store (G3).
- Treatment communities are more likely to have a football field and uniforms for their sports teams (G4 and G5).
- Given a football field, treatment communities are more likely to have modern equipment (G4A).
- Foot paths in treatment communities are less likely to be bushy (V3).
- Treatment communities are more likely to have brushed their foot path more recently (V4).

Secondary outcomes
- Treatment communities are less likely to use or plan to use the tarp for religious purposes (T6, T10A).
- Given use of the cards, treatment communities are less likely to use or plan to use the building materials for religious purposes (C14A, C15A).

Sub-hypothesis H3A: By improving stock of infrastructure, GoBifo encourages higher utilization of improved facilities and public health outcomes

Household Level outcomes
- Households more likely to use a pit/latrine as opposed to the bush for toilet facility (F4)
- Households more likely to use some kind of well as opposed to river or stream for drinking water (Round 1 survey)
- Farming households dry their grain on cement/concrete drying floor as opposed to the road, tarp, other make shift arrangement (L6B)

Secondary outcomes
- Prevalence of childhood diarrhea and worms is lower in treatment communities (F2)
- Given a recent birth, women in treatment communities are more likely to have an assisted delivery (F3)

Community Level outcomes
- Treatment households less likely to locate a latrine near a cooking facility (V5)

H4: Participation in GoBifo builds and strengthens community groups and networks.

Household Level outcomes:
- Respondents in treatment communities are more likely to be a member of, attend meetings and make labor or financial contributions to a women’s group (N1).
- Respondents in treatment communities are more likely to be a member of, attend meetings and make labor or financial contributions to a youth group (N2).
- Respondents in treatment communities are more likely to be a member of, attend meetings and make labor or financial contributions to a seed multiplication group (N3).
- Respondents in treatment communities are more likely to be a member of, attend meetings and make labor or financial contributions to a fishing cooperative (N4).

Community Level outcomes:
- Treatment communities are more likely to have fishing cooperatives (G6).
- Treatment communities are more likely to have collective market groups (E15).

H5: Participation in GoBifo increases access to information about local governance.
Household Level outcomes:
- Respondents in treatment communities are more likely to be able to name the 3 items from the gift experiments (G1).
- In treatment communities, respondent views about if and how the tarp is being used or planned to be used are more likely to match purposes stated in the village meeting (HHS G10-G11A, VILL T5/6/10/10A).
- Given that the community cashed in some building material cards, respondents in treatment communities have more information on the cards: know the number of cards cashed in; know the total Leones raised; know who went to the store; have seen the building materials; have seen the receipt; and know items purchased (HHS G16A-F, VILL C4/6/7/10/11).

H6: GoBifo increases inclusion and participation in local planning and implementation, especially for poor and vulnerable groups; GoBifo norms spill over into other types of community decisions, making them more inclusive, transparent and accountable
Household Level outcomes:
- Respondents in treatment communities are more likely to attend a meeting to discuss how to share the salt/batteries (G2).
- Given attendance at the salt/batteries meeting, respondents in treatment areas are more likely to make public statements (G2A).
- Respondents in treatment communities are more likely to report that the salt/batteries sharing decision was made more democratically (G3 with 4 being the most democratic).
- Respondents in treatment communities are more likely to report that everyone had equal say in deciding how to share the salt/batteries (G4).
- Respondents in treatment communities are more likely to attend a meeting to discuss how to use the tarp (G6).
- Given attendance at the tarp meeting, respondents in treatment areas are more likely to make public statements (G6A).
- Respondents in treatment communities are more likely to report that the tarp decision was made more democratically (G7 with 4 being the most democratic).
- Respondents in treatment communities are more likely to report that everyone had equal say in deciding how to use the tarp (G8).
- Respondents in treatment communities are more likely to attend a meeting to discuss how to use the building materials cards (G12).
- Given attendance at the building materials cards meeting, respondents in treatment areas are more likely to make public statements (G12A).
• Respondents in treatment communities are more likely to report that the building materials cards decision was made more democratically (G13 with 4 being the most democratic).
• Respondents in treatment communities are more likely to report that everyone had equal say in deciding how to use the building materials cards (G14).
• Given the existence of each public asset—primary school, health clinic, TBA house, water well, dry floor, grain store, community center, latrine, football field—respondents in treatment areas are more likely to report attending a meeting about the asset (C1-16D).

Community Level outcomes:
• Treatment communities are more likely to have a meeting to discuss how to share the salt/batteries (S1).
• In treatment communities, it is more likely that everyone had equal say in deciding how to share the salt/batteries (S2).
• Treatment communities are more likely to have a meeting to discuss how to use the tarp (T1).
• In treatment communities, it is more likely that everyone had equal say in deciding how to use the tarp (T2).
• Treatment communities are more likely to have a meeting to discuss how to use the building materials cards (C1).
• In treatment communities, it is more likely that everyone had equal say in deciding how to use the building materials cards (C2).
• Given take up of the cards, treatment communities are more likely to produce the building materials receipt (C11).
• Given take up of the cards, treatment communities are more likely to keep other written records concerning the building materials cards (C12).
• Given that they have brought building materials back to the community, treatment communities are more likely to make a public presentation of the goods (C13C).
• Treatment communities are more likely to have a had a community meeting more recently (G7).
• Given a community meeting, treatment communities are more likely to take minutes (G8).
• In treatment communities, disabled people are more likely to attend community meetings and to hold leadership positions (G9, G10).
• Treatment communities are more likely to be able to access their tarp (V1).
• Given use of cards, treatment communities are more likely to be able to access their building materials (V2).
• Treatment communities are more likely to store the tarp in a public place (T3).
• Given take up of the cards, treatment communities are more likely to store the cards/materials in a public place (C13B).
• Treatment communities are less likely to have had a recent episode of financial mismanagement/corruption (G11—although ambiguous as GoBifo introduced an influx of cash not present in controls).
Sub-Hypothesis H6A: By promoting more democratic and inclusive decision-making, GoBifo reduces elite capture.

Household Level outcomes:
- In treatment communities, a larger proportion of respondents report receiving some of the salt/batteries (G5).
- In treatment communities, a larger proportion of respondents report directly benefiting from the tarp (G9).
- Given take up of cars, in treatment communities, a larger proportion of respondents report directly benefiting from the building materials cards (G16).

Community Level Outcomes
- Treatment communities are less likely to use or plan to use the tarp for private purposes (T7, T10B).
- Given cashing in some cards, treatment communities are less likely to use or plan to use the building materials for private purposes (T6, T9B).
- Treatment communities are less likely to store the tarp in a private residence (T3A).
- Given take up of the cards, treatment communities are less likely to store the materials in a private residence (C14B/15B).
- Treatment communities are less likely to allow one person to pay for and use the building materials cards (C8).

H7: GoBifo increases public participation in local governance and politics

Household Level Outcomes
- Given the existence of each public asset—primary school, health clinic, TBA house, water well, dry floor, grain store, community center, latrine, football field—respondents in treatment areas are more likely to report involvement of the Paramount or Section Chief in the project (C1-16H).
- Given the existence of each public asset—primary school, health clinic, TBA house, water well, dry floor, grain store, community center, latrine, football field—respondents in treatment areas are more likely to report involvement of WDC or Local Council members in the project (C1-16I).

Community Level Outcomes
- Treatment communities more likely to have a Village Development Plan (G12)
- Given a VDP, treatment communities more likely to have a written VDP (G12A)
- Given a VDP, treatment communities more likely to use the tarp/building materials towards something identified in the VDP (G12B/C)

H8. By increasing trust, GoBifo reduces crime and conflict in community

Household Level Outcomes
- Treatment communities report less conflict (L7)
- Given an episode of conflict, treatment households more likely to have been able to resolve the conflict without involving external authorities (L7A).

Community Level Outcomes
• Treatment communities are less likely to report avoidance of inter-personal conflict as reason for not using tarp more frequently (T8, T10).
• Treatment communities are less likely to report avoidance of inter-personal conflict as reason for not taking up or using the cards (C3A, C15C).

H9: GoBifo changes local systems of authority, including roles and public perception of traditional versus local government

Household level outcomes:
• In treatment communities, respondents are less likely to report that the chief made the decision about the salt/batteries sharing without input from the community (G3).
• In treatment communities, respondents are less likely to report that the traditional authorities had the most say in the salt/batteries sharing decision (G4).
• In treatment communities, respondents are less likely to report that the chief made the decision about the tarp without input from the community (G7).
• In treatment communities, respondents are less likely to report that the traditional authorities had the most say in the tarp decision (G8).
• In treatment communities, respondents are less likely to report that the chief made the decision about the building materials cards without input from the community (G13).
• In treatment communities, respondents are less likely to report that the traditional authorities had the most say in the building materials cards decision (G14).

Secondary outcomes
• In treatment communities, respondents more likely to have reported that the village held a vote for the Village Headman (L2)
• In treatment communities, respondents more likely to have reported voting in an election for Village Headman (L2A)

Community Level outcomes:
• In treatment communities, traditional authorities are less likely to have the most influence over the salt/batteries sharing decision (S2).
• In treatment communities, traditional authorities are less likely to have the most influence over how to use the tarp (T2).
• In treatment communities, traditional authorities are less likely to have the most influence over how to use the building materials cards (C2).
• Treatment communities are less likely to store the tarp in the chief’s house (T3).
• Given that the community stored the tarp in a private residence, it is less likely to belong to a traditional authority (T3A).
• Given that they cashed in some cards and brought the materials back to the village, treatment communities are more likely to store the building materials in a public place or a private house that does not belong to a traditional authority (C13B, C13Bi).
• Given that the community cashed in some cards, treatment communities are more likely to send a non-traditional authority to the building materials store (C4).

Secondary outcomes
• Treatment communities report broader participation in selection of Village Head (L3)
• Treatment communities report more equal say in selection of Village Head (L4)
Treatment communities report a vote Village Head (L5)

H10: Participation in GoBifo improves general economic welfare
Household Level outcomes:
- Respondents in treatment communities are more likely to have participated in skills training (E1).
- Respondents in treatment communities are more likely to have started a new business (E2).
- Respondents in treatment communities are more likely to have sold some agricultural goods in the past month (E4).
- Given having sold some agricultural goods, respondents in treatment communities are more likely to sell externally (E4A).
- Respondents in treatment communities are more likely to have sold some non-agricultural goods in the past month (E5).
- Given having sold some non-agricultural goods, respondents in treatment communities are more likely to sell externally (E5A).

Secondary outcomes
- Respondents in treatment communities are more likely to have a personal bank account (E3).
- Respondents in treatment communities are more likely to have lent money (E6)
- Respondents in treatment communities are more likely to have borrowed money (E7)
- Respondents in treatment communities are more likely to have consumed protein as part of yesterday’s main meal (F1)

Community Level outcomes
- Treatment communities are more likely to have a bank account (G1).
- Treatment communities have more petty traders (E1).
- Outside traders are more likely to come to treatment communities to buy agricultural and non-agricultural goods (E2, E3).
- More goods and services—bread, soap, garri, country cloth, eggs, sheep, palm oil, coal, carpentry, blacksmiths, tailoring—are available for sale in treatment communities (E4-E14).
- More people have started a new business in the past 3 years in treatment communities (E16).

Secondary outcomes
- Given a seed bank, treatment communities are more likely to charge fees for use (G3A).
- Treatment communities are more likely to have a money lender (E16).

H11: GoBifo changes political and social attitudes, making individuals more liberal towards women, more accepting of other ethnicities and “strangers”, and less tolerant of corruption and violence.
Community Level Outcomes
- Treatment communities more likely to have a female Village Head (L6, 7)
- Treatment communities more likely to have a younger Village Head (L8, 9)
### Appendix B: Project and Research Timeline

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>Oct-05</td>
<td><strong>Hypothesis document drafted</strong></td>
<td>Jan-08</td>
<td>Projects implemented</td>
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<tr>
<td>Nov-05</td>
<td>Baseline Survey</td>
<td>Feb-08</td>
<td>Second grants disbursed</td>
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<td>Dec-05</td>
<td><strong>Baseline Survey</strong></td>
<td>Mar-08</td>
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<td>Jan-06</td>
<td>Ward Facilitator Training</td>
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<tr>
<td>Mar-06</td>
<td>Development Planning</td>
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<td>Apr-09</td>
<td>Follow-up survey 1</td>
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<td>Feb-07</td>
<td><strong>Ward Development Committee Approval</strong></td>
<td>May-09</td>
<td>Voucher program begins</td>
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<td><strong>Pre-Analysis Plan archived with the Jameel Poverty Action Lab</strong></td>
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Appendix C: Simple Framework of Collective Action and Community Driven Development

We lay out a stylized local collective action framework that clarifies how an external intervention that provides financing and participation requirements might change local decision making and institutions, and derive implications that then structure our empirical analysis. In the model, a social planner determines the optimal investment in local public goods and sets a corresponding tax schedule, which is implemented with perfect compliance. Individual residents then decide whether or not to voluntarily participate in the planning and implementation of the public goods projects, taking their individual tax burden as given. We feel this framework is a reasonable approximation to the context of rural Sierra Leone (and similar societies with strong headmen), where the traditional village chief has the authority to levy fines and collect taxes to provide basic public goods, but there is variation in how involved residents are in decision making and implementation. In this setting, the external intervention lowers the marginal costs of local public goods provision through financial subsidies and works on the fixed costs of collective action by imposing participation requirements and instilling democratic norms of decision-making. We allow for minorities to have differential participation costs ex ante, which could be impacted by learning by doing or demonstration effects during project implementation.

We define three time periods: \( t = 0 \) denotes the pre-program period, \( t = 1 \) is the program implementation phase, and \( t = 2 \) is post-program. Our data correspond to these three time periods: the baseline survey was fielded in \( t_0 \), the first follow-up survey captured activities that had been completed during the CDD intervention and launched the structured community activities, and the second follow-up survey explored what happened with the SCAs after the project had finished. As the marginal cost reductions are tied directly to external financial assistance, while the fixed organizing cost reductions could be internalized and maintained, we can speculatively gain some leverage over which channel(s) is at work by comparing impacts during and after project implementation. Moreover, studying the post-program period allows us to evaluate the persistence and "sustainability" of CDD impacts.

First consider the individual’s decision of whether to contribute time and voluntary labor to the planning and implementation of local public goods. While these decisions are taken in a decentralized fashion, they will aggregate in a way that affects the costs of public goods provision facing the social planner. The fact that individuals ignore the aggregate effect of their
voluntary labor captures the classic externality feature of collective action, and implies that even with perfect tax compliance, the planner will still not be able to achieve the first-best level of local public goods provision. The utility maximization problem for individual $i$ at time $t$ is:

$$\max_{o_{it}} u_{it} = V(g_t) + x_{it} + b_{it} \ast o_{it}$$

(1)

subject to the budget constraint:

$$y_{it} = x_{it} + k \ast o_{it} + \tau_{it}$$

(2)

where $V(\cdot)$ is a concave function capturing utility derived from consumption of the current stock of public goods $g_t$, where we assume for simplicity that $V(\cdot)$ is the same for all residents; $x_{it}$ is private consumption; $b_{it}$ is the individual’s psychic or social benefit of participating in collective action, which captures the intrinsic value of civic involvement;¹ and $o_{it}$ is an indicator variable that equals one if the individual participates and zero otherwise. Given historical legacies of exclusion, we assume that while some women and youth may derive positive utility from participation they face additional social costs of speaking up and thus, on average, their net benefits of civic participation are lower than for the traditional elder male elites.

The individual’s budget constraint is determined by exogenous potential income $y_{it}$, which we define as disposable income beyond a subsistence threshold; the cost of project participation $k > 0$, which reflects the opportunity cost of time spent engaging in public goods provision instead of wage-earning activities; and the tax $\tau_{it}$, which is set by the social planner. For simplicity, assume a tax proportional to net income, $\tau_{it} = \tau_t (y_{it} - k \ast o_{it})$, where $\tau_t \in [0,1]$ is the tax rate. The first order conditions imply that the individual chooses to participate in collective action if and only if the net benefits are nonnegative: $b_{it} - k(1 - \tau_t) \geq 0$.

Note that our model concerns only the quantity of public goods and not their type. An alternative way to conceptualize the problem would be to assume that residents have heterogeneous preferences over the type of good—i.e., a primary school versus a latrine—and that the strength of these preferences drives the choice to participate. For example, Alesina, Baqir and Easterly (1999) show that communities with more polarized preferences agree to lower tax contributions and thus fewer public goods. Similarly, Osborne, Rosenthal and Turner (2000) find that when participation is costly only a subset of residents with the most extreme views will attend meetings to determine public choice on an issue. We do not pursue this

¹ We do not separate out being actively involved in decision making and involvement in provision (voluntary labor) as one usually necessitates the other as anyone who has spoken up in a meeting of a voluntary group can attest.
approach as we find remarkably muted differences in public spending preferences across social groups in the baseline data.²

Next consider the social planner’s local public goods investment decision for the current time period, \( q_t \geq 0 \), given the stock of public goods inherited from the previous period, \( g_{t-1} \), and assuming that the stock depreciates at rate \( \delta \) from one period to the next. The planner’s objective is to maximize the sum of individual utilities in period \( t \):

\[
\max_{q_t, \tau_t} \sum_{i=1}^{N} u_{it} = \sum_{i=1}^{N} V(\delta g_{t-1} + q_t) + (1 - \tau_t)(\sum_{i=1}^{N} y_{it} - k \omega_t) + \sum_{i=1}^{N} b_{it} \omega_t
\]  

(3)

subject to the budget constraint:

\[
c_t(q_t) = p_t q_t + \gamma_t(\omega_t, \varphi_t) \leq \tau_t(\sum_{i=1}^{N} y_{it} - k \omega_t)
\]  

(4)

where the cost function \( c_t \) has a marginal component, \( p_t q_t \), where \( p_t \) is the price of construction materials, as well as a fixed coordination cost of collective action \( \gamma_t \), which is a function of the sum of individual participation decisions (\( \omega_t = \sum_{i=1}^{N} \omega_{it} \)) and the capacity of local institutions, \( \varphi_t \).

Following the theory motivating participatory governance, we assume that the fixed costs of collective action are falling in both the capacity of local institutions (\( \frac{\partial \gamma_t}{\partial \varphi_t} \leq 0 \)) and community participation (\( \frac{\partial \gamma_t}{\partial \omega_t} + \tau_t k \leq 0 \ \forall \ \tau_t \)); we assess the empirical validity of these assumptions below. The latter condition would be true if, for example, greater community involvement made public goods provision easier and if more involvement in decision making created greater support for the process.³ An alternative perspective, which we do not focus on here, is that this derivative switches sign at sufficiently high participation levels if, for example, the expression of too many

---

² For example, we see few differences in the priorities expressed by men as compared to women, and youths as compared to their elders, in response to the baseline survey question “If your community was given 5 million (5,000,000) Leones (US$1,667), what do you think the community should spend it on first?” Specifically, 25.1% of women versus 28.3% of men cited education projects as their first choice (along with 27.1% of youths versus 26.1% of non-youths); 13.0% versus 11.0% cited water and sanitation (12.0% versus 11.9%); 10.4% versus 10.3% cited health (10.6% versus 10.5%); and 9.2% versus 11.2% cited agriculture (10.7% versus 9.9%). Simple t-tests suggest that none of these differences are significant at 95% confidence. Moreover, Glennerster, Miguel and Rothenberg (2010) find no evidence that ethnic diversity, which could proxy for polarized preferences, inhibits local public goods provision in Sierra Leone. Although we are unable to test this hypothesis here, if heterogeneous preferences are more pronounced in other settings, the consensus building process emphasized by CDD facilitators might conceivably narrow the differences in preferences across groups and thereby trigger greater public goods provision.

³ Olken (2010) finds that choosing local development projects by direct voting instead of representative meetings increases satisfaction with and the perceived legitimacy of the project, even though the choice process has no impact on the type of project selected. He also finds that voting increases plans to use and contribute labor to the project and beliefs about the project’s fairness and value. In a laboratory setting, Dal Bó et al. (2010) show that cooperation increases more when players vote to implement a change in payoffs that facilitates coordination than when the same change is imposed exogenously, again implying that having a direct say in the decision-making process can have an effect on behavior beyond the impact of the specific policy choice per se.
opinions leads to conflict or congestion in deliberation (Olson 1982) or impairs technical decision-making (Khwaja 2004). This reversal in sign may plausibly be more evident in contexts with larger baseline heterogeneity in preferences over public goods. Importantly, even if participation has no effect on coordination costs at all, CDD advocates argue that local civic engagement carries intrinsic benefits, and therefore project participation belongs in the individual utility function and its enhancement becomes an appropriate objective for intervention.

The standard Kuhn-Tucker Lagrangean for the planner’s optimization problem is:

\[ NV(\delta g_{t-1} + q_t) + (1 - \tau_t)(\sum_{i=1}^{N} y_{it} - k\omega_t) + \sum_{i=1}^{N} b_{it} * \omega_t - \lambda \left( p_t q_t + \gamma_t(\omega_t, \varphi_t) - \tau_t(\sum_{i=1}^{N} y_{it} - k\omega_t) \right) \] (5)

The first order conditions imply that the planner either chooses the efficient level of investment \(q_t^*\) with a corresponding tax rate \(\tau_t^*\), or zero public investment and no taxes. Given the extreme poverty and limited public services in rural Sierra Leone, assume that the marginal benefit of public goods is greater than private consumption, yielding an interior solution:

\[ q_t^* = V'^{-1}(p_t/N) - \delta g_{t-1} \] (6)

\[ \tau_t^* = \frac{\left( p_t q_t^* + \gamma_t(\omega_t, \varphi_t) \right)}{\left( \sum_{i=1}^{N} y_{it} - k\omega_t \right)} \] (7)

The planner chooses \(q_t^*\) if it is affordable, and \(\overline{q}_t < q_t^*\) that exhausts the budget if it is not.

Within this framework, a participatory local governance intervention aims to have three separate impacts. First, by subsidizing the cost of construction materials, the financial grants reduce the marginal cost of public goods provision, \(p_t\). Second, participation requirements for women and youth—for example, they must serve as a signatory on financial accounts and evidence of their participation in planning and implementing projects is a prerequisite for the release of the block grants—aim to increase the benefits of participation for these historically marginalized groups. Such requirements should automatically translate into greater participation in collective activities during project implementation for these groups. Moreover, if women and young men learn-by-doing, or if their participation exerts positive demonstration effects on others, shifting social norms, this experience could trigger a persistent increase in their benefits of participation, \(b_{it}\), sustainably raising \(\omega_t\). Third and finally, this increase in community participation, accompanied by the establishment of village development committees, plans and bank accounts (boosting \(\varphi_t\)), aims to reduce the fixed coordination costs of collective action, \(\gamma_t\).
The idea is that once an organizing body is in place and residents have reached consensus on local priorities, the next collective project should be less costly to identify and execute. As such, the original GoBifo project funding proposal emphasizes the sustainability, “durability” and broad mandate of these new structures, suggesting they will become “the focal point for development interventions” and other forms of local collective action in the future (World Bank 2004).

How these three distinct effects will alter public goods investment depends on whether the village budget constraint binds. We begin with the benchmark interior solution case, where the budget constraint is not binding, noting that we feel this case is less empirically realistic. If the village budget constraint is not binding, the social planner will chose an investment amount $q_t^*$ (as defined in Equation 6) that brings the existing stock of public goods up to the efficient level $g_t^*$, which is defined as the point at which the sum of marginal benefits exactly equals the marginal cost of the last unit of public investment:

$$g_t^* = \delta g_{t-1} + q_t^* = V'^{-1}(p_t/N)$$

Notice that in steady state ($g_t^* = g_{t-1}^*$), the optimal current investment is the amount needed to exactly replenish the loss in last period’s stock due to depreciation:

$$q_t^* = (1 - \delta)g_{t-1}^*$$

Consider the effects of the CDD project in this case. Figure A1 below depicts how the decrease in coordination costs, through greater participation and the establishment of organizational structures, lowers the fixed cost of collective action from $\gamma_0$ to $\gamma_1$ (abusing notation slightly in what follows, let $\gamma_t$ signify $\gamma_t(\omega_t, \varphi_t) + \tau_t k \omega_t$). To the extent that these new institutions and norms are durable, the effect persists into the post-program period, where similarly $\gamma_2 < \gamma_0$. In addition, the financial grants in $t = 1$ reduce the marginal cost of public goods materials from $p_0$ to $p_1$, which has a corresponding attenuating impact on the slope of the total cost line $c_1(q)$. Without the financial subsidy in $t_2$, marginal costs return to pre-program levels ($p_2 = p_0$).
The optimal stock of public goods is determined by the intersection of the marginal benefits curve and the marginal cost line. In the pre-program period, the optimal current investment $q_0^*$ replenishes the depreciated steady state stock $\delta g_0^*$ up to optimal public goods provision $g_0^*$. By assumption, the community’s budget envelope surpasses the total cost associated with this investment ($\sum_{i=1}^{N} y_{it} > c_0(q_0^*)$) in this case. During program implementation, the financial grants subsidize the marginal cost of construction ($c_1'(q) < c_0'(q)$), and thus increase the current investment in public goods ($q_1^*$) beyond the replenishment rate to attain the new optimal stock $g_1^*$. Note that this increase is driven entirely by the reduction in marginal costs and that the reduction in coordination costs has no impact on public goods investment. In this case, existing village level institutions were already adequate for the task of providing small scale public goods, and the reduction in coordination costs is instead reflected in higher household consumption (and welfare) through a lower tax burden.

Moving forward to the post-program period ($t = 2$), the financial subsidy has been removed which returns prices to the baseline level $p_0$, while the reduction in coordination cost endures. The planner optimally chooses $q_2^*$ which returns the depleted $t = 1$ public goods stock back to the steady state optimum of $g_0^*$. Notice that the post-program investment is both less
than the implementation phase investment (in \( t = 1 \)) and \textit{less than the steady state pre-program level of investment}, since the community optimally draws down the “artificially” high levels of public good investments made during program implementation (due to the temporary construction price subsidies). Thus in the unconstrained case, we expect a large subsidy of material costs as seen in a CDD intervention to trigger a short term increase in public goods followed by a post-program contraction in investment, accompanied by a temporary increase in household consumption.

This inter-temporal substitution is evident in the first order conditions:

\[
q_t^* = g_t^* - \delta g_{t-1}^* = V'^{-1}(P_{t/N}) - \delta V'^{-1}(P_{t-1/N})
\]  

(10)

When current prices fall below last period’s prices (\( P_t < P_{t-1} \)), the concavity of \( V(\cdot) \) implies that investment increases. During project implementation, the subsidy drives down \( p_1 \) relative to \( p_0 \), thus leading to greater current spending \( q_1^* \) to attain the higher optimum stock \( g_1^* \). Conversely, when the subsidy ends and prices reset to baseline levels, the now relatively higher current prices \( P_2 > P_1 \) imply that current investment falls \( q_2^* < q_1^* \). Moreover, the larger investment made in \( t = 1 \) implies that the depreciated stock facing the planner is higher than it was in the pre-program period \( (\delta g_1^* > \delta g_0^*) \). Thus replenishing the stock to the optimal steady state level \( (g_2^* = g_0^*) \) requires a smaller investment than in steady state \( (q_2^* < q_0^*) \).

Given that Sierra Leone is one of the world’s poorest countries, it seems more reasonable to assume that study communities face a binding budget constraint that keeps public investment well below optimal levels. This means that there are plenty of public investments—in latrines, water wells, primary schools—whose village-wide marginal benefits exceed the marginal cost of construction, yet are simply unaffordable given the community’s tax base and inability to borrow in light of pervasive financial market imperfections. Under these constraints, profitable investments become unaffordable because construction prices and/or coordination costs are prohibitively high. As with the interior solution above, here we expect the financial subsidy to increase current investment in public goods during CDD project implementation. We will now also find that reducing fixed coordination costs enhances public investment, and moreover, this effect should be evident in both the implementation and post-program periods. Compared to the first, this second constrained budget case thus better corresponds to the claims by CDD advocates that a temporary intervention can permanently improve the quality of local public goods by reducing the costs of collective action.
To see this, note that when the budget constraint binds, the planner chooses the maximum affordable investment as determined by the total cost function (in equation 4 with $\tau_t = 1$):

$$
\overline{q}_t = \frac{1}{p_t} \left( \sum_{i=1}^{N} y_{it} - k \omega_t - \gamma_t(\omega_t, \varphi_t) \right)
$$

(11)

The affordable investment is decreasing in both construction prices and coordination costs:

$$
\frac{\partial \overline{q}_t}{\partial p_t} = \frac{-1}{p_t^2} \left( \sum_{i=1}^{N} y_{it} - k \omega_t - \gamma_t(\omega_t, \varphi_t) \right) < 0
$$

(12)

$$
\frac{\partial \overline{q}_t}{\partial y_t} = \frac{-1}{p_t} < 0
$$

(13)

Thus in $t = 1$, the CDD project relaxes the budget constraint by both lowering the marginal cost of materials through the grants, and decreasing the fixed coordination costs by enhancing community participation and capacity. These together imply that current investment increases ($\overline{q}_1 > \overline{q}_0$). In $t = 2$, communities continue to enjoy greater public investment due to the reduced coordination costs ($\gamma_2 < \gamma_0$), however, the loss of the financial subsidy places current investment somewhere between baseline and implementation levels ($\overline{q}_0 < \overline{q}_2 < \overline{q}_1$).

The constrained scenario is depicted graphically in Figure A2. Note that the total investment associated with obtaining the optimal public goods stock (which is $g_0^*$ in steady state, defined by the intersection of the marginal cost and benefit curves) is not affordable in any time period by assumption ($\sum_{i=1}^{N} y_{it} < c_i(q^*_t)$). Current investment is instead determined by the intersection of the total cost and budget lines at a corner. Assuming that the community is in steady state where current investment exactly replenishes the depreciation of last period’s stock, the planner faces a stock of $\delta g_0$ in both $t_0$ and $t_1$. Because the $c_1(q)$ cost line has both a lower intercept and flatter slope than the baseline $c_0(q)$, investment $\overline{q}_1$ exceeds pre-program steady state investment $\overline{q}_0$. In $t = 2$, the end of the subsidy adjusts the slope of the cost line back to baseline levels, while the durable improvements in coordination maintain the lower intercept. This combination allows current investment $\overline{q}_2$ to again exceed $\overline{q}_0$, but by less than in $t = 1$.

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4 The alternative assumptions would be a current investment that exceeds or falls short of replenishment. The steadily increasing stock implied by the former would eventually lead to the unconstrained case; while the steady decrease implied by the latter would suggest a starting point near zero, with no substantive changes to our results.

5 Whether the final stock in $t_2$ exceeds that in $t_1$ or not depends on the depreciation rate and the size of the subsidies.

6 We considered possible income effects. The quasi-linear utility function rules out the possibility that higher local income change local demand for public goods. A plausible alternative would be to make the cost of participating a function of income ($k_{it} = f(y_{it})$), so that as people become wealthier the opportunity cost of their time increases and makes them less willing to attend meetings. Given that the constrained case appears a better match for our empirical setting (and the fact that program grants were quite modest), the first order effects of increased income
This framework generates three empirical predictions. First, the combination of financial subsidies and lower coordination costs should unambiguously increase public goods investment during the program implementation phase. To assess this, indicators under outcome family A first evaluate whether the grants were in fact delivered to villages and new institutions established on the ground. The organizational capacity (community participation) of control communities is $\varphi_0(\omega_0)$ in our model, which we expect to be weaker than in treatment communities, as captured in $\varphi_1(\omega_1)$. Other measures in outcome family B regarding the stock of local public goods assess the impact of the program support on public investment levels, where public goods investment in treatment (control) communities during the life of the program corresponds to $q_1(q_0)$ in the model.

Second, the model implies that establishment of durable village institutions should lead to greater investment in public goods in the post-program period, which is captured most directly by the take-up of the building materials vouchers in SCA #1, as well as several other measures in

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would be to shift out the budget constraint and increase the current investment in public goods. Any offsetting negative effects due to higher opportunity costs of time in this setting would likely be of second order.
outcome family B concerning collective action beyond the direct program sphere. Post-program outcomes in the treatment villages correspond to \( q_2 \), again versus \( q_0 \) in the control group.

Third, if participation requirements for women and youth trigger a permanent enhancement in the net individual benefit of participation they experience, we should see more women and youths attending community meetings and taking part in decision-making post-program (reflecting \( \omega_2 \) in the treatment group and \( \omega_0 \) in control), as captured by several outcomes in the gift choice component of SCA #2 and household survey responses concerning civic engagement in non-program spheres. Moreover, enhancing participation by marginalized groups could initiate broader changes in social norms and attitudes, as captured in several additional hypotheses under outcome family B examining this community “software.”
Appendix D: Location of Research Communities

LEGEND
+ Treatment Villages
• Control Villages
This section discusses the sample selection process in more detail. It explains: i) the selection of wards within districts; ii) the onsite randomization process for the 8 research communities in Bonthe Town; and iii) the partial re-sampling of the research areas. Importantly, none of these issues systematically affect either treatment or control communities, and thus should not bias the treatment effect estimates.

After the districts were selected, the sample of wards (the lowest administrative unit of local government) was chosen to avoid duplication of effort with a similar community development program, the National Social Action Project (NSAP). GoBifo project management collaborated with NSAP to avoid overlap with their programs in particular wards. Since NSAP had already selected the most vulnerable wards (as classified by its own poverty mapping exercise) for its programs, GoBifo chose to work in all the remaining wards. Thus our sample—of treatment and control communities—likely represents slightly better-off communities in these districts, although by any measure the research areas are very poor.

While nearly all of the randomization was conducted electronically, the randomization process for the island communities of Bonthe Town (which comprise 3.4% of our sample) was conducted manually by a public lottery. Since there was no community list from the Statistics Sierra Leone (SSL) 2004 Population and Housing Census available for the Town to use in the computerized process, estimation of community size and selection into treatment and control groups was completed onsite. As Town sections are roughly comparable in size to villages in Bonthe District, the project team treated each section as a separate community. Also, since the wards in Bonthe Town are substantially smaller than those in the District, GoBifo decided to intervene in only two (instead of six) communities per ward. The research team thus wrote the names of all sections in the target wards on individual pieces of paper and drew the four project and four control sites from a box in the presence of the Town Section Heads, district councilors and two independent observers.

As explained in Section 3.2 of the paper, community-level eligibility for the GoBifo program was determined by: i) total number of households (20 to 200 households in Bombali district and 10 to 100 in Bonthe); and ii) location within a targeted ward in one of the two districts. At the time of sample selection, the most up-to-date information on community size
was from the 2004 Census. As the Census data entry process was still ongoing, the only electronically available measures were the pre-census cartographic team estimates of total households per locality. We thus used this measure to eliminate communities that were too small or large, and on 17 October 2005 conducted an initial randomization on the resulting eligibility pool to select 228 villages, composed of 114 treatment and 114 control communities (or 6 treatment and 6 control in each of 19 wards). The first 3 days of field work surveyed 32 communities from this initial list. However, the field team reported non-trivial differences in the community size estimates from the cartographic team and what they encountered in the villages, frequently off by 50 or more households. The research team thus manually generated a new list of total households for all communities in the target wards using the hard copies of the 2004 Census enumeration area summary books. Using this more accurate measure of total households per village to define a new pool of eligible villages, while retaining the 32 villages already surveyed due to budget reasons, we conducted a second randomization on 18 November 2005 for the remaining 196 villages.

There were 11 communities in this second sample for which SSL was unable to locate the full census books, and was therefore unable to compile household listings. One further village was found to be empty as it was not a permanent settlement. Replacements for these 12 communities were randomly sampled from the respective wards and randomly divided into treatment and control.

Nine selected communities in one particular chiefdom were assigned to the wrong Local Council ward. As background, since the 2004 Census had not yet been completed, the National Electoral Commission had to rely on old Census data in drawing ward boundaries for the 2004 District Council elections. This process created some confusion on the ground concerning which chiefdom sections individual Councilors represented. Direct reports from the relevant District Councilors revealed that 9 communities from our sample needed to be replaced in order to retain the balance of 6 treatment and 6 control communities in each of the 3 targeted wards in one chiefdom (Gbendembu Ngowahun). The research team made the necessary replacements by randomly selecting communities from the respective wards and randomly dividing them into treatment and control.

It is important to note that all of these steps reflect adjustments to the sample and none of them compromise the integrity of the random assignment.
## Appendix F: Treatment versus Control Comparison of All Outcomes in Baseline Data

<table>
<thead>
<tr>
<th>Outcome in baseline data</th>
<th>Baseline mean for controls</th>
<th>T-C difference at baseline</th>
<th>Standard error</th>
<th>N</th>
<th>Hypothesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attended Ward Development Committee meeting</td>
<td>0.199</td>
<td>-0.004</td>
<td>(0.016)</td>
<td>235</td>
<td>H1, H10</td>
</tr>
<tr>
<td>Met Councillor</td>
<td>0.358</td>
<td>-0.007</td>
<td>(0.020)</td>
<td>235</td>
<td>H1, H10</td>
</tr>
<tr>
<td>Village development committee</td>
<td>0.547</td>
<td>0.060</td>
<td>(0.059)</td>
<td>232</td>
<td>H1, H4, H10</td>
</tr>
<tr>
<td>Visit by Local Councillot</td>
<td>0.339</td>
<td>-0.007</td>
<td>(0.054)</td>
<td>228</td>
<td>H1, H9</td>
</tr>
<tr>
<td>Visit by WDC member</td>
<td>0.148</td>
<td>-0.015</td>
<td>(0.047)</td>
<td>228</td>
<td>H1, H9</td>
</tr>
<tr>
<td>Functional community center</td>
<td>0.231</td>
<td>-0.085+</td>
<td>(0.046)</td>
<td>233</td>
<td>H2</td>
</tr>
<tr>
<td>Functional drying floor</td>
<td>0.235</td>
<td>0.051</td>
<td>(0.051)</td>
<td>231</td>
<td>H2</td>
</tr>
<tr>
<td>Functional grain store</td>
<td>0.094</td>
<td>0.063</td>
<td>(0.040)</td>
<td>233</td>
<td>H2</td>
</tr>
<tr>
<td>Functional market</td>
<td>0.009</td>
<td>-0.000</td>
<td>(0.012)</td>
<td>232</td>
<td>H2</td>
</tr>
<tr>
<td>Functional peripheral health unit</td>
<td>0.045</td>
<td>0.007</td>
<td>(0.027)</td>
<td>227</td>
<td>H2</td>
</tr>
<tr>
<td>Functional primary school</td>
<td>0.409</td>
<td>0.079</td>
<td>(0.057)</td>
<td>230</td>
<td>H2</td>
</tr>
<tr>
<td>Functional water well</td>
<td>0.36</td>
<td>0.102+</td>
<td>(0.059)</td>
<td>229</td>
<td>H2</td>
</tr>
<tr>
<td>Community financial contribution to community center</td>
<td>0.839</td>
<td>-0.048</td>
<td>(0.091)</td>
<td>56</td>
<td>H2, H4</td>
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<tr>
<td>Community financial contribution to drying floor</td>
<td>0.3</td>
<td>-0.113</td>
<td>(0.088)</td>
<td>86</td>
<td>H2, H4</td>
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<td>Community financial contribution to grain store</td>
<td>0.133</td>
<td>0.167</td>
<td>(0.150)</td>
<td>38</td>
<td>H2, H4</td>
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<td>Community financial contribution to health unit</td>
<td>0.571</td>
<td>-0.801</td>
<td>(0.532)</td>
<td>14</td>
<td>H2, H4</td>
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<td>Community financial contribution to primary school</td>
<td>0.7</td>
<td>-0.036</td>
<td>(0.081)</td>
<td>118</td>
<td>H2, H4</td>
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<tr>
<td>Community financial contribution to water well</td>
<td>0.816</td>
<td>0.037</td>
<td>(0.077)</td>
<td>108</td>
<td>H2, H4</td>
</tr>
<tr>
<td>Proposal to NGO</td>
<td>0.339</td>
<td>-0.005</td>
<td>(0.059)</td>
<td>231</td>
<td>H2, H4</td>
</tr>
<tr>
<td>Household PCA asset score</td>
<td>-0.061</td>
<td>0.109</td>
<td>(0.078)</td>
<td>235</td>
<td>H3</td>
</tr>
<tr>
<td>Community better off than others in area</td>
<td>0.313</td>
<td>0.042</td>
<td>(0.062)</td>
<td>201</td>
<td>H3</td>
</tr>
<tr>
<td>Household sold agricultural goods</td>
<td>0.298</td>
<td>0.011</td>
<td>(0.024)</td>
<td>234</td>
<td>H3</td>
</tr>
<tr>
<td>Any petty traders in community</td>
<td>0.544</td>
<td>-0.006</td>
<td>(0.059)</td>
<td>226</td>
<td>H3</td>
</tr>
<tr>
<td>Household PCA asset quintile</td>
<td>2.757</td>
<td>0.089</td>
<td>(0.090)</td>
<td>235</td>
<td>H3</td>
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<tr>
<td>Total sources of household income</td>
<td>1.48</td>
<td>-0.113</td>
<td>(0.071)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>Participated in footpath brushing</td>
<td>0.716</td>
<td>-0.009</td>
<td>(0.017)</td>
<td>235</td>
<td>H3</td>
</tr>
<tr>
<td>Existence of communal farm</td>
<td>0.421</td>
<td>0.005</td>
<td>(0.061)</td>
<td>230</td>
<td>H3</td>
</tr>
<tr>
<td>Existence of community teachers</td>
<td>0.931</td>
<td>-0.100+</td>
<td>(0.054)</td>
<td>119</td>
<td>H4</td>
</tr>
<tr>
<td>Days worked on communal farm</td>
<td>4.913</td>
<td>-0.758</td>
<td>(0.784)</td>
<td>158</td>
<td>H4</td>
</tr>
<tr>
<td>Leones paid to community teacher</td>
<td>43918.92</td>
<td>-7494.00</td>
<td>(11651.56)</td>
<td>75</td>
<td>H4</td>
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<tr>
<td>Community teacher remunerated</td>
<td>0.907</td>
<td>-0.011</td>
<td>(0.062)</td>
<td>100</td>
<td>H4</td>
</tr>
<tr>
<td>Community teacher trained</td>
<td>0.673</td>
<td>-0.220*</td>
<td>(0.088)</td>
<td>97</td>
<td>H4</td>
</tr>
<tr>
<td>Worked on communal farm in past year</td>
<td>0.223</td>
<td>0.014</td>
<td>(0.031)</td>
<td>235</td>
<td>H4</td>
</tr>
<tr>
<td>Contributed money to labor sharing gang</td>
<td>0.288</td>
<td>0.022</td>
<td>(0.030)</td>
<td>222</td>
<td>H4, H8</td>
</tr>
<tr>
<td>Contributed money to credit/savings group</td>
<td>0.794</td>
<td>-0.032</td>
<td>(0.045)</td>
<td>196</td>
<td>H4, H8</td>
</tr>
<tr>
<td>Contributed money to school PTA</td>
<td>0.669</td>
<td>0.055</td>
<td>(0.040)</td>
<td>197</td>
<td>H4, H8</td>
</tr>
<tr>
<td>Contributed labor to labor sharing gang</td>
<td>0.635</td>
<td>0.015</td>
<td>(0.035)</td>
<td>222</td>
<td>H4, H8</td>
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<tr>
<td>Contributed labor to school PTA</td>
<td>0.513</td>
<td>0.004</td>
<td>(0.040)</td>
<td>197</td>
<td>H4, H8</td>
</tr>
<tr>
<td>Attended community meeting</td>
<td>0.696</td>
<td>-0.008</td>
<td>(0.019)</td>
<td>235</td>
<td>H5</td>
</tr>
<tr>
<td>Attended communal farm meeting</td>
<td>0.835</td>
<td>-0.088+</td>
<td>(0.046)</td>
<td>151</td>
<td>H5</td>
</tr>
<tr>
<td>Attended meeting to decide teacher pay</td>
<td>0.601</td>
<td>-0.016</td>
<td>(0.036)</td>
<td>182</td>
<td>H5</td>
</tr>
<tr>
<td>Spoke during community meeting</td>
<td>0.468</td>
<td>0.003</td>
<td>(0.026)</td>
<td>235</td>
<td>H5</td>
</tr>
<tr>
<td>Spoke during communal farm meeting</td>
<td>0.628</td>
<td>0.060</td>
<td>(0.056)</td>
<td>141</td>
<td>H5</td>
</tr>
<tr>
<td>Spoke during teacher pay meeting</td>
<td>0.629</td>
<td>-0.027</td>
<td>(0.040)</td>
<td>162</td>
<td>H5</td>
</tr>
<tr>
<td>Attended labor sharing group meeting</td>
<td>0.534</td>
<td>-0.030</td>
<td>(0.036)</td>
<td>222</td>
<td>H5, H8</td>
</tr>
<tr>
<td>Attended credit/savings group meeting</td>
<td>0.651</td>
<td>0.001</td>
<td>(0.049)</td>
<td>196</td>
<td>H5, H8</td>
</tr>
<tr>
<td>Attended school PTA meeting</td>
<td>0.821</td>
<td>0.048</td>
<td>(0.032)</td>
<td>197</td>
<td>H5, H8</td>
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<tr>
<td>Variable</td>
<td>T-C</td>
<td>p</td>
<td>H</td>
<td></td>
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<td>--------------------------------------------------------------------------</td>
<td>-----</td>
<td>----</td>
<td>----</td>
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<tr>
<td>No conflict taken to traditional courts</td>
<td>0.508</td>
<td>0.008</td>
<td>(0.018) 235 H6</td>
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<tr>
<td>Not traditional authority who decided teacher pay</td>
<td>0.688</td>
<td>0.065</td>
<td>(0.099) 92 H6</td>
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<tr>
<td>Defaulters on teacher pay not reported to the Chief</td>
<td>0.404</td>
<td>0.086</td>
<td>(0.104) 101 H6</td>
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<tr>
<td>Relative trust in Local Council versus Chiefdom</td>
<td>-0.052</td>
<td>0.013</td>
<td>(0.015) 235 H6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Willingness to entrust neighbor with market purchases</td>
<td>0.848</td>
<td>-0.010</td>
<td>(0.015) 235 H7</td>
<td></td>
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<tr>
<td>Belief that money left in community would be recovered</td>
<td>0.216</td>
<td>-0.021</td>
<td>(0.018) 235 H7</td>
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<td></td>
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<tr>
<td>Member of credit/savings group</td>
<td>0.245</td>
<td>-0.027</td>
<td>(0.024) 235 H7</td>
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<tr>
<td>Has entrusted a neighbor with market purchases</td>
<td>0.809</td>
<td>0.009</td>
<td>(0.014) 235 H7</td>
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<tr>
<td>Trust in central government officials</td>
<td>0.608</td>
<td>0.001</td>
<td>(0.018) 235 H7</td>
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<td></td>
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<tr>
<td>Trust in chieftdom officials</td>
<td>0.664</td>
<td>-0.011</td>
<td>(0.019) 235 H7</td>
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<tr>
<td>Trust in Local Council</td>
<td>0.611</td>
<td>0.003</td>
<td>(0.021) 235 H7</td>
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<tr>
<td>Trust people from outside community</td>
<td>0.469</td>
<td>0.002</td>
<td>(0.021) 235 H7</td>
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<tr>
<td>Trust community members</td>
<td>0.856</td>
<td>0.020</td>
<td>(0.014) 235 H7</td>
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</tr>
<tr>
<td>Member of labor sharing gang</td>
<td>0.5</td>
<td>-0.015</td>
<td>(0.026) 235 H8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Member of school PTA</td>
<td>0.327</td>
<td>0.016</td>
<td>(0.023) 235 H8</td>
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<tr>
<td>Member of social club</td>
<td>0.219</td>
<td>0.025</td>
<td>(0.020) 235 H8</td>
<td></td>
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<tr>
<td>Helped re-thatch neighbor's house</td>
<td>0.395</td>
<td>0.008</td>
<td>(0.021) 235 H8</td>
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<td></td>
</tr>
<tr>
<td>Received help re-thatching own roof</td>
<td>0.712</td>
<td>0.022</td>
<td>(0.035) 222 H8</td>
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<tr>
<td>Index of public information displayed in community</td>
<td>0.222</td>
<td>0.051*</td>
<td>(0.026) 229 H9</td>
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<td></td>
</tr>
<tr>
<td>Able to name Local Council Chair</td>
<td>0.094</td>
<td>0.020</td>
<td>(0.014) 235 H9</td>
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</tr>
<tr>
<td>Able to name who spends market dues</td>
<td>0.391</td>
<td>0.021</td>
<td>(0.046) 162 H9</td>
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<td></td>
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<tr>
<td>Able to name date of next general election</td>
<td>0.199</td>
<td>-0.004</td>
<td>(0.019) 235 H9</td>
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<tr>
<td>Able to name Local Councillor</td>
<td>0.334</td>
<td>0.021</td>
<td>(0.026) 235 H9</td>
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<tr>
<td>Able to name Paramount Chief</td>
<td>0.685</td>
<td>-0.016</td>
<td>(0.023) 235 H9</td>
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<tr>
<td>Able to name Local Council project</td>
<td>0.056</td>
<td>-0.005</td>
<td>(0.011) 235 H9</td>
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<tr>
<td>Able to name Section Chief</td>
<td>0.582</td>
<td>0.021</td>
<td>(0.027) 235 H9</td>
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<td></td>
</tr>
<tr>
<td>Able to name tax rate for adults</td>
<td>0.821</td>
<td>-0.020</td>
<td>(0.018) 235 H9</td>
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<tr>
<td>Listens to radio for information about government</td>
<td>0.427</td>
<td>0.005</td>
<td>(0.021) 235 H9</td>
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<tr>
<td>Believe could change unjust Council policy</td>
<td>0.421</td>
<td>-0.010</td>
<td>(0.020) 235 H10</td>
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<tr>
<td>Believe could change unjust Chiefdom policy</td>
<td>0.416</td>
<td>-0.020</td>
<td>(0.020) 235 H10</td>
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<tr>
<td>Member of community stood for Local Council</td>
<td>0.095</td>
<td>-0.001</td>
<td>(0.037) 232 H10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Member of community stood for Paramount Chief</td>
<td>0.107</td>
<td>0.026</td>
<td>(0.041) 222 H10</td>
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<tr>
<td>Member of community stood for Section Chief</td>
<td>0.336</td>
<td>0.085</td>
<td>(0.063) 230 H10</td>
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<tr>
<td>Member of community stood for WDC membership</td>
<td>0.198</td>
<td>0.014</td>
<td>(0.049) 231 H10</td>
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<tr>
<td>Voted in 2004 local elections</td>
<td>0.846</td>
<td>-0.006</td>
<td>(0.015) 235 H10</td>
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<tr>
<td>Voted in 2003 general elections</td>
<td>0.891</td>
<td>-0.009</td>
<td>(0.014) 235 H10</td>
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<td></td>
</tr>
<tr>
<td>No report of physical fight in past year</td>
<td>0.974</td>
<td>-0.006</td>
<td>(0.006) 235 H11</td>
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<td></td>
</tr>
<tr>
<td>No report of theft in past year</td>
<td>0.65</td>
<td>-0.006</td>
<td>(0.021) 235 H11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No report of witchcraft in past year</td>
<td>0.963</td>
<td>-0.004</td>
<td>(0.008) 235 H11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No conflict over money in past year</td>
<td>0.767</td>
<td>0.022</td>
<td>(0.017) 235 H11</td>
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<tr>
<td>Given money conflict, no violence ensued</td>
<td>0.885</td>
<td>-0.025</td>
<td>(0.035) 200 H11</td>
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<tr>
<td>Both youth and non-youth work on communal farm</td>
<td>0.677</td>
<td>-0.042</td>
<td>(0.077) 98 H12</td>
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<td></td>
</tr>
<tr>
<td>No children work on communal farm</td>
<td>0.167</td>
<td>0.132+</td>
<td>(0.077) 98 H12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Both men and women work on communal farm</td>
<td>0.729</td>
<td>0.013</td>
<td>(0.063) 98 H12</td>
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<td></td>
</tr>
<tr>
<td>Different tribes work on communal farm</td>
<td>1.128</td>
<td>0.077</td>
<td>(0.112) 97 H12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index of how inclusive the labor gang is</td>
<td>0.443</td>
<td>-0.024</td>
<td>(0.021) 222 H12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index of how inclusive the credit/savings group is</td>
<td>0.577</td>
<td>0.004</td>
<td>(0.028) 196 H12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes on table: i) significance levels indicated by + p <0.10, * p <0.05, ** p <0.01; ii) robust standard errors; iii) the T-C difference is the pre-program "treatment effect" run on the baseline data aggregated to the village-level mean, using a minimal specification that includes only fixed effects for the district council wards (the unit of stratification) and the two balancing variables from the randomization (total households and distance to road); and iv) as the original distance to road variable contained missing values, it has been replaced here and in all other tables with a more accurate measure with no missing values.
## Appendix G: Raw Results for All Outcomes

<table>
<thead>
<tr>
<th>Row</th>
<th>Survey question</th>
<th>Endline mean for controls</th>
<th>Treatment effect</th>
<th>Standard error</th>
<th>N</th>
<th>Hypothesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Have you personally talked with a member of the WDC or participated in a meeting organized by the WDC in the past year?</td>
<td>0.090</td>
<td>0.039**</td>
<td>(0.013)</td>
<td>236</td>
<td>H1, H10</td>
</tr>
<tr>
<td>2</td>
<td>Does this community have a bank account?</td>
<td>0.081</td>
<td>0.706**</td>
<td>(0.045)</td>
<td>226</td>
<td>H1, H3</td>
</tr>
<tr>
<td>3</td>
<td>In the past year, have you talked with the Local Councillor or participated in any meeting organized by the council?</td>
<td>0.184</td>
<td>0.028</td>
<td>(0.019)</td>
<td>236</td>
<td>H1, H10</td>
</tr>
<tr>
<td>4</td>
<td>Since January 2006, has this community had a Village or Community Development Committee (VDC or CDC)?</td>
<td>0.458</td>
<td>0.399**</td>
<td>(0.052)</td>
<td>235</td>
<td>H1, H4, H10</td>
</tr>
<tr>
<td>5</td>
<td>Does this community have a village development plan (i.e. an agreed plan with specific priorities for what the community will do for its own development over the next few years)?</td>
<td>0.617</td>
<td>0.299**</td>
<td>(0.048)</td>
<td>221</td>
<td>H1, H10</td>
</tr>
<tr>
<td>6</td>
<td>Has this community been visited by a Local Council member in the past one year?</td>
<td>0.322</td>
<td>0.026</td>
<td>(0.058)</td>
<td>236</td>
<td>H1, H9</td>
</tr>
<tr>
<td>7</td>
<td>Has this community been visited by a Ward Development Committee member in the past year?</td>
<td>0.212</td>
<td>0.132*</td>
<td>(0.056)</td>
<td>234</td>
<td>H1, H9</td>
</tr>
<tr>
<td>8</td>
<td>[Given functional community center in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this community center?</td>
<td>0.251</td>
<td>0.227**</td>
<td>(0.054)</td>
<td>95</td>
<td>H1, H10</td>
</tr>
<tr>
<td>9</td>
<td>[Given functional drying floor in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this drying floor?</td>
<td>0.243</td>
<td>0.128*</td>
<td>(0.062)</td>
<td>115</td>
<td>H1, H10</td>
</tr>
<tr>
<td>10</td>
<td>[Given functional grain store in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this grain store?</td>
<td>0.144</td>
<td>0.260**</td>
<td>(0.076)</td>
<td>71</td>
<td>H1, H10</td>
</tr>
<tr>
<td>11</td>
<td>[Given functional latrine in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this latrine?</td>
<td>0.219</td>
<td>0.155**</td>
<td>(0.041)</td>
<td>169</td>
<td>H1, H10</td>
</tr>
<tr>
<td>12</td>
<td>[Given functional health clinic in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this PHU?</td>
<td>0.615</td>
<td>-0.218</td>
<td>(0.193)</td>
<td>26</td>
<td>H1, H10</td>
</tr>
<tr>
<td>13</td>
<td>[Given functional primary school in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this primary school?</td>
<td>0.415</td>
<td>0.182**</td>
<td>(0.055)</td>
<td>138</td>
<td>H1, H10</td>
</tr>
<tr>
<td>14</td>
<td>[Given functional football/sports field in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this football/sports field?</td>
<td>0.163</td>
<td>0.080*</td>
<td>(0.035)</td>
<td>181</td>
<td>H1, H10</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
<td>Standard error</td>
<td>N</td>
<td>Hypothesis</td>
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</tr>
<tr>
<td>15</td>
<td>[Given functional traditional birth attendant (TBA) house in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this TBA house?</td>
<td>0.399</td>
<td>-0.030</td>
<td>(0.107)</td>
<td>70</td>
<td>H1, H10</td>
</tr>
<tr>
<td>16</td>
<td>[Given functional water well in the community] Was a member of the Ward Development committee or Local Council directly involved in the planning, construction, maintenance or oversight of this well?</td>
<td>0.354</td>
<td>0.110*</td>
<td>(0.044)</td>
<td>150</td>
<td>H1, H10</td>
</tr>
<tr>
<td>17</td>
<td>Ask to be taken to the nearest bush path. This should be a foot path (not a road for cars) that the community uses the most. Ask the community: when was the last time this community brushed this foot path? [days to last brushing]</td>
<td>-41.263</td>
<td>-8.547</td>
<td>(6.225)</td>
<td>192</td>
<td>H2, H4</td>
</tr>
<tr>
<td>18</td>
<td>Does the community have a community center and is it functional?</td>
<td>0.212</td>
<td>0.156**</td>
<td>(0.047)</td>
<td>236</td>
<td>H2</td>
</tr>
<tr>
<td>19</td>
<td>Does the community have a drying floor and is it functional?</td>
<td>0.237</td>
<td>0.160**</td>
<td>(0.055)</td>
<td>228</td>
<td>H2</td>
</tr>
<tr>
<td>20</td>
<td>Does the community have a grain store and is it functional?</td>
<td>0.136</td>
<td>0.067</td>
<td>(0.045)</td>
<td>235</td>
<td>H2</td>
</tr>
<tr>
<td>21</td>
<td>Does the community have a latrine and is it functional?</td>
<td>0.462</td>
<td>0.208**</td>
<td>(0.059)</td>
<td>234</td>
<td>H2</td>
</tr>
<tr>
<td>22</td>
<td>Does the community have a market and is it functional?</td>
<td>0.017</td>
<td>-0.001</td>
<td>(0.016)</td>
<td>235</td>
<td>H2</td>
</tr>
<tr>
<td>23</td>
<td>Does the community have a public health unit and is it functional?</td>
<td>0.060</td>
<td>0.017</td>
<td>(0.032)</td>
<td>235</td>
<td>H2</td>
</tr>
<tr>
<td>24</td>
<td>Does the community have a primary school and is it functional?</td>
<td>0.462</td>
<td>0.071</td>
<td>(0.057)</td>
<td>234</td>
<td>H2</td>
</tr>
<tr>
<td>25</td>
<td>Does the community have any wells (mechanical or bucket) and are any of them functional?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Do any of the local sports teams have uniforms / vests?</td>
<td>0.100</td>
<td>0.102*</td>
<td>(0.048)</td>
<td>225</td>
<td>H2</td>
</tr>
<tr>
<td>27</td>
<td>Does the community have a football / sports field and is it functional?</td>
<td>0.444</td>
<td>0.069+</td>
<td>(0.040)</td>
<td>236</td>
<td>H2</td>
</tr>
<tr>
<td>28</td>
<td>Does the community have a traditional birth attendant (TBA) house and is it functional?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Ask to be taken to the nearest bush path. This should be a foot path (not a road for cars) that the community uses the most. Walk 100 steps down the path (i.e. look at the middle, not the start of the path). In your own opinion, how bushy is the path? [Answer indexed from 0 &quot;very bushy&quot; to 1 &quot;very clear&quot;]</td>
<td>0.482</td>
<td>-0.003</td>
<td>(0.034)</td>
<td>228</td>
<td>H2, H4</td>
</tr>
<tr>
<td>30</td>
<td>Since January 2006, has this community taken a project proposal to an external funder—like local government or NGO—for support? Note that the community should have been the ones initiating the request.</td>
<td>0.292</td>
<td>-0.152**</td>
<td>(0.052)</td>
<td>229</td>
<td>H2, H4</td>
</tr>
<tr>
<td>31</td>
<td>Does this community have a seed bank (i.e. where people can borrow rice or groundnuts to plant and repay after)</td>
<td>0.170</td>
<td>0.17**</td>
<td>(0.048)</td>
<td>226</td>
<td>H2</td>
</tr>
<tr>
<td>32</td>
<td>[After asking the community how they have used (or plan to use) the tarp] SUPERVISOR: In your own opinion, is the tarp being used (or is there a plan to use it) in a public way (where everyone benefits) or in a private way (where only few people benefit)?</td>
<td>0.857</td>
<td>0.015</td>
<td>(0.051)</td>
<td>161</td>
<td>H2, H6</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
<td>Standard error</td>
<td>N</td>
<td>Hypothesis</td>
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</tr>
<tr>
<td>33</td>
<td>[Given the community redeemed vouchers and after asking the community how they have used (or plan to use) the building materials] SUPERVISOR: In your own opinion, are the building materials being used (or is there a plan to use them) in a public way (where everyone benefits) or in a private way (where only few people benefit)?</td>
<td>0.898</td>
<td>0.005</td>
<td>(0.064)</td>
<td>98</td>
<td>H2</td>
</tr>
<tr>
<td>34</td>
<td>[Given that there is a community center in the community] The money and supplies for the community center were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.808</td>
<td>-0.307*</td>
<td>(0.129)</td>
<td>71</td>
<td>H2, H4</td>
</tr>
<tr>
<td>35</td>
<td>[Given that there is a drying floor in the community] The money and supplies for the drying floor were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.105</td>
<td>-0.018</td>
<td>(0.074)</td>
<td>98</td>
<td>H2, H4</td>
</tr>
<tr>
<td>36</td>
<td>[Given that there is a grain store in the community] The money and supplies for the grain store were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.000</td>
<td>0.065</td>
<td>(0.057)</td>
<td>50</td>
<td>H2, H4</td>
</tr>
<tr>
<td>37</td>
<td>[Given that there is a latrine in the community] The money and supplies for the latrine were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.761</td>
<td>-0.191*</td>
<td>(0.092)</td>
<td>126</td>
<td>H2, H4</td>
</tr>
<tr>
<td>38</td>
<td>[Given that there is a primary school in the community] The money and supplies for the primary school were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.554</td>
<td>-0.031</td>
<td>(0.089)</td>
<td>124</td>
<td>H2, H4</td>
</tr>
<tr>
<td>39</td>
<td>[Given that there are any water wells in the community] The money and supplies for at least one well were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.375</td>
<td>-0.196*</td>
<td>(0.088)</td>
<td>109</td>
<td>H2, H4</td>
</tr>
<tr>
<td>40</td>
<td>[Given that there are any water wells in the community] The money and supplies for at least one well were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.335</td>
<td>0.023</td>
<td>(0.039)</td>
<td>182</td>
<td>H2, H4</td>
</tr>
<tr>
<td>41</td>
<td>[Given that there are any water wells in the community] The money and supplies for at least one well were provided by the community itself or in part from the community and part from an external source (like NGO, Government or donor)</td>
<td>0.449</td>
<td>-0.022</td>
<td>(0.092)</td>
<td>81</td>
<td>H2, H4</td>
</tr>
<tr>
<td>42</td>
<td>[Given that there is a football field or other sports facility] does the sports facility have any modern equipment (like metal goal posts or nets)?</td>
<td>0.000</td>
<td>0.016</td>
<td>(0.016)</td>
<td>153</td>
<td>H2</td>
</tr>
<tr>
<td>43</td>
<td>Supervisor summary assessment of the overall appearance of the drying floor (index from 1 = excellent to 0 = unfit for use)</td>
<td>0.426</td>
<td>0.102+</td>
<td>(0.057)</td>
<td>99</td>
<td>H2</td>
</tr>
<tr>
<td>44</td>
<td>Supervisor summary assessment of the overall appearance of the latrine (index from 1 = excellent to 0 = unfit for use)</td>
<td>0.417</td>
<td>0.060+</td>
<td>(0.031)</td>
<td>153</td>
<td>H2</td>
</tr>
<tr>
<td>45</td>
<td>Supervisor summary assessment of the overall appearance of the primary school (index from 1 = excellent to 0 = unfit for use)</td>
<td>0.482</td>
<td>0.114*</td>
<td>(0.045)</td>
<td>123</td>
<td>H2</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
<td>Standard error</td>
<td>N</td>
<td>Hypothesis</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>46</td>
<td>Supervisor summary assessment of the overall appearance of the water source (index from 1 = excellent to 0 = unfit for use)</td>
<td>0.426</td>
<td>-0.025</td>
<td>(0.032)</td>
<td>221</td>
<td>H2</td>
</tr>
<tr>
<td>47</td>
<td>Index of supervisor physical assessment of drying floor that gives weight to the lack of cracks and the lack of water pooling in the floor.</td>
<td>0.375</td>
<td>0.158*</td>
<td>(0.076)</td>
<td>101</td>
<td>H2</td>
</tr>
<tr>
<td>48</td>
<td>Index of supervisor physical assessment of the quality of building materials used in the latrine that gives weight to non-mud floor, non-thatch roof and non-mud or thatch walls</td>
<td>0.270</td>
<td>0.176**</td>
<td>(0.054)</td>
<td>154</td>
<td>H2</td>
</tr>
<tr>
<td>49</td>
<td>Index of supervisor physical assessment of the quality of building materials used in the primary school that gives weight to non-mud floor, non-thatch roof and non-mud or thatch walls</td>
<td>0.583</td>
<td>0.106+</td>
<td>(0.056)</td>
<td>123</td>
<td>H2</td>
</tr>
<tr>
<td>50</td>
<td>Index of supervisor physical assessment of the type and cleanliness of the water source that gives weight to tap or wells, fencing, no vegetation and area not used for human waste</td>
<td>0.464</td>
<td>0.003</td>
<td>(0.041)</td>
<td>224</td>
<td>H2</td>
</tr>
<tr>
<td>51</td>
<td>Household PCA Asset/Amenities score (includes hhs ownership of bicycle, mobile phone, generator, car/truck/motorcycle, electric fan, umbrella, TV, radio/cassette player, torchlight; non-mud floor of house; non-thatch roof of house; non-mud walls of house; index of water source quality (i.e. tap/well better than river); index of toilet facility quality (i.e. latrine better than bush))</td>
<td>-0.170</td>
<td>0.310**</td>
<td>(0.092)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>52</td>
<td>Supervisor assessment that community is &quot;much better off&quot; or &quot;a little better off&quot; than other communities he/she has been to in this area</td>
<td>0.263</td>
<td>0.139*</td>
<td>(0.059)</td>
<td>231</td>
<td>H3</td>
</tr>
<tr>
<td>53</td>
<td>In the past one year, what are the top three ways you yourself have earned cash and how much cash have you earned from each activity in the past one year (in 1,000 Leones)</td>
<td>746.943</td>
<td>-28.340</td>
<td>(77.240)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>54</td>
<td>In the past 2 years (since October 2007), have you started a new business, even if it is small or informal?</td>
<td>0.072</td>
<td>0.014</td>
<td>(0.012)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>55</td>
<td>[From supervisor tour of community] Have you seen anybody selling packaged goods (cigarettes, crackers, etc) in this village today from their own home (i.e. not out of a store)?</td>
<td>0.441</td>
<td>0.11+</td>
<td>(0.056)</td>
<td>229</td>
<td>H3</td>
</tr>
<tr>
<td>56</td>
<td>Quintile of Household PCA Asset/Amenities score</td>
<td>2.835</td>
<td>0.241**</td>
<td>(0.078)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>57</td>
<td>In the past one month, have you or anyone in your household sold any agricultural produce (or fish, livestock)?</td>
<td>0.507</td>
<td>0.000</td>
<td>(0.026)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>58</td>
<td>In the past one month, have you or anyone in your household sold any non-agricultural goods or services--like petty trading?</td>
<td>0.186</td>
<td>0.018</td>
<td>(0.018)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>59</td>
<td>Number of goods out of 10 common items (bread, soap, garri, country cloth/garra tie-dye, eggs/chickens, sheep/goats, palm oil/nut oil, coal, carpenter for hire/shop, tailor/dressmaker, blacksmith for hire/shop) that you can buy in this community today</td>
<td>4.449</td>
<td>0.566*</td>
<td>(0.240)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>60</td>
<td>How many people have started a new business (even if it is small or informal) in this community in the past 2 years (since October 2007)? [Record name, type of business and year started]</td>
<td>1.745</td>
<td>0.107</td>
<td>(0.315)</td>
<td>207</td>
<td>H3</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls (1)</td>
<td>Treatment effect (2)</td>
<td>Standard error (3)</td>
<td>N</td>
<td>Hypothesis</td>
</tr>
<tr>
<td>-----</td>
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<td>------------</td>
</tr>
<tr>
<td>61</td>
<td>How many houses and small shops (including tables, boxes and kiosks) are selling packaged goods (like cigarettes, biscuits, etc) inside this community today?</td>
<td>2.432</td>
<td>0.704*</td>
<td>(0.344)</td>
<td>225</td>
<td>H3</td>
</tr>
<tr>
<td>62</td>
<td>In the past one year, what are the top three ways you yourself have earned cash (total number of sources out of 3)</td>
<td>1.543</td>
<td>-0.017</td>
<td>(0.047)</td>
<td>236</td>
<td>H3</td>
</tr>
<tr>
<td>63</td>
<td>In the past 2 years (since October 2007), have you participated in any skills training (bookkeeping, soap-making), adult literacy (learn book) or vocation education courses (carpentry, etc.)?</td>
<td>0.061</td>
<td>0.120**</td>
<td>(0.018)</td>
<td>235</td>
<td>H3</td>
</tr>
<tr>
<td>64</td>
<td>[Given that household sold agricultural products in the past year] total Leones received last time sold rice, cassava, groundnuts, vegetables and other produce?</td>
<td>202.553</td>
<td>-2.481</td>
<td>(17.906)</td>
<td>233</td>
<td>H3</td>
</tr>
<tr>
<td>65</td>
<td>[Given that household sold agricultural produce in the last one month] have you or anyone in your household sold any agricultural produce (or fish, livestock) outside this village in the past month--i.e. in a market or to a trader outside of this village?</td>
<td>0.768</td>
<td>-0.002</td>
<td>(0.031)</td>
<td>224</td>
<td>H3</td>
</tr>
<tr>
<td>66</td>
<td>[Given farming household] the last time anyone in your household harvested rice, cassava, groundnuts, vegetables or other produce, how much of it did you sell?</td>
<td>0.705</td>
<td>0.001</td>
<td>(0.024)</td>
<td>235</td>
<td>H3</td>
</tr>
<tr>
<td>67</td>
<td>[Given that household sold non-agricultural goods or services in the last one month] did anyone in your household sell any non-agricultural goods or services (like petty trading) outside this village in the past month--i.e. in a market or to a trader outside of this village?</td>
<td>0.644</td>
<td>-0.011</td>
<td>(0.049)</td>
<td>187</td>
<td>H3</td>
</tr>
<tr>
<td>68</td>
<td>How many days did each child inside this household between the ages of 5 and 18 go to school inside the past 7</td>
<td>4.501</td>
<td>-0.040</td>
<td>(0.048)</td>
<td>235</td>
<td>H3</td>
</tr>
<tr>
<td>69</td>
<td>Community redeemed any of the 6 vouchers for building materials</td>
<td>0.542</td>
<td>-0.015</td>
<td>(0.060)</td>
<td>236</td>
<td>H4</td>
</tr>
<tr>
<td>70</td>
<td>Have you participated in road brushing or town cleaning in the past two months?</td>
<td>0.419</td>
<td>-0.015</td>
<td>(0.023)</td>
<td>236</td>
<td>H4</td>
</tr>
<tr>
<td>71</td>
<td>Number of vouchers for building materials out of 6 maximum that the community redeemed</td>
<td>2.949</td>
<td>0.060</td>
<td>(0.351)</td>
<td>236</td>
<td>H4</td>
</tr>
<tr>
<td>72</td>
<td>Does this community have any communal farms?</td>
<td>0.299</td>
<td>0.227**</td>
<td>(0.058)</td>
<td>235</td>
<td>H4</td>
</tr>
<tr>
<td>73</td>
<td>Does the primary school that children in the community attend have community teachers?</td>
<td>0.922</td>
<td>-0.059</td>
<td>(0.038)</td>
<td>232</td>
<td>H4</td>
</tr>
<tr>
<td>74</td>
<td>Do any people from different households here come together to sell agricultural goods or other petty trading as a group to markets outside of this village (i.e. heap the goods together and send one person to sell; NOT every person totes their own load)?</td>
<td>0.274</td>
<td>0.009</td>
<td>(0.047)</td>
<td>217</td>
<td>H4, H7, H8</td>
</tr>
<tr>
<td>75</td>
<td>Has anyone in this community ever used the tarp? (verified by supervisor physical assessment)</td>
<td>0.897</td>
<td>-0.079+</td>
<td>(0.044)</td>
<td>233</td>
<td>H4</td>
</tr>
<tr>
<td>76</td>
<td>[Given that community has ever used the tarp] community has used the tarp at least 10 times</td>
<td>0.450</td>
<td>-0.048</td>
<td>(0.061)</td>
<td>222</td>
<td>H4</td>
</tr>
<tr>
<td>77</td>
<td>How much money would you yourself be able to contribute to the building materials vouchers (in Leones)?</td>
<td>41679.531</td>
<td>-24200.000</td>
<td>21216.535</td>
<td>235</td>
<td>H4</td>
</tr>
<tr>
<td>78</td>
<td>How much money do you think the community will be able to raise to use the building materials vouchers (in Leones)?</td>
<td>9726.013</td>
<td>12843.984</td>
<td>234</td>
<td></td>
<td>H4</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
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<td>N</td>
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<tr>
<td>79</td>
<td>In the past one year, did you work on a communal farm (this means a farm owned by the community where community members works on the farm)?</td>
<td>0.226</td>
<td>0.035</td>
<td>(0.028)</td>
<td>235</td>
<td>H4</td>
</tr>
<tr>
<td>80</td>
<td>[Given membership in labor sharing gang] have you contributed any money to this group in the past one month?</td>
<td>0.269</td>
<td>-0.042</td>
<td>(0.033)</td>
<td>220</td>
<td>H4, H8</td>
</tr>
<tr>
<td>81</td>
<td>[Given membership in credit or savings group] have you contributed any money to this group in the past one month?</td>
<td>0.920</td>
<td>0.000</td>
<td>(0.027)</td>
<td>195</td>
<td>H4, H8</td>
</tr>
<tr>
<td>82</td>
<td>[Given membership in school PTA] have you contributed any money to this group in the past one month?</td>
<td>0.593</td>
<td>-0.043</td>
<td>(0.067)</td>
<td>148</td>
<td>H4, H8</td>
</tr>
<tr>
<td>83</td>
<td>[Given membership in group savings for a major event (weddings, funerals) group] have you contributed any money to this group in the past one month?</td>
<td>0.736</td>
<td>-0.059</td>
<td>(0.068)</td>
<td>117</td>
<td>H4, H8</td>
</tr>
<tr>
<td>84</td>
<td>[Given membership in a social club] have you contributed any money to this group in the past one month?</td>
<td>0.629</td>
<td>-0.116</td>
<td>(0.080)</td>
<td>119</td>
<td>H4, H8</td>
</tr>
<tr>
<td>85</td>
<td>[Given has worked on communal farm] about how many days in total did you work on a communal farm in the last one month?</td>
<td>4.674</td>
<td>0.455</td>
<td>(0.526)</td>
<td>164</td>
<td>H4</td>
</tr>
<tr>
<td>86</td>
<td>[Given existence of functional community center in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.574</td>
<td>0.192**</td>
<td>(0.072)</td>
<td>100</td>
<td>H4</td>
</tr>
<tr>
<td>87</td>
<td>[Given existence of functional drying floor in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.657</td>
<td>0.039</td>
<td>(0.047)</td>
<td>121</td>
<td>H4</td>
</tr>
<tr>
<td>88</td>
<td>[Given existence of functional grain store in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.671</td>
<td>0.037</td>
<td>(0.107)</td>
<td>77</td>
<td>H4</td>
</tr>
<tr>
<td>89</td>
<td>[Given membership in labor sharing gang] have you contributed any labor to this group in the past one month?</td>
<td>0.879</td>
<td>-0.008</td>
<td>(0.025)</td>
<td>221</td>
<td>H4, H8</td>
</tr>
<tr>
<td>90</td>
<td>[Given existence of functional latrine in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.670</td>
<td>0.033</td>
<td>(0.044)</td>
<td>175</td>
<td>H4</td>
</tr>
<tr>
<td>91</td>
<td>[Given membership in credit or savings group] have you contributed any labor to this group in the past one month?</td>
<td>0.126</td>
<td>-0.041</td>
<td>(0.032)</td>
<td>194</td>
<td>H4, H8</td>
</tr>
<tr>
<td>92</td>
<td>[Given existence of functional health clinic in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.677</td>
<td>-0.257</td>
<td>(0.184)</td>
<td>29</td>
<td>H4</td>
</tr>
<tr>
<td>93</td>
<td>[Given existence of functional primary school in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.722</td>
<td>0.004</td>
<td>(0.033)</td>
<td>142</td>
<td>H4</td>
</tr>
<tr>
<td>94</td>
<td>[Given membership in school PTA] have you contributed any labor to this group in the past one month?</td>
<td>0.223</td>
<td>-0.030</td>
<td>(0.058)</td>
<td>150</td>
<td>H4, H8</td>
</tr>
<tr>
<td>95</td>
<td>[Given membership in group savings for a major event (weddings, funerals) group] have you contributed any labor to this group in the past one month?</td>
<td>0.304</td>
<td>-0.084</td>
<td>(0.067)</td>
<td>125</td>
<td>H4, H8</td>
</tr>
<tr>
<td>96</td>
<td>[Given membership in a social club] have you contributed any labor to this group in the past one month?</td>
<td>0.389</td>
<td>-0.008</td>
<td>(0.075)</td>
<td>123</td>
<td>H4, H8</td>
</tr>
<tr>
<td>97</td>
<td>[Given existence of functional sports field in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.419</td>
<td>0.056</td>
<td>(0.033)</td>
<td>182</td>
<td>H4</td>
</tr>
<tr>
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<td>Treatment effect</td>
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</tr>
<tr>
<td>98</td>
<td>[Given existence of functional traditional birth attendant (TBA) house in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.592</td>
<td>0.039</td>
<td>(0.106)</td>
<td>81</td>
<td>H4</td>
</tr>
<tr>
<td>99</td>
<td>[Given existence of functional water well in the community] did you contribute any labor for building or maintaining this resource?</td>
<td>0.696</td>
<td>-0.017</td>
<td>(0.037)</td>
<td>153</td>
<td>H4</td>
</tr>
<tr>
<td>100</td>
<td>[Given redeemed building materials vouchers] has the community brought the building materials back to the village?</td>
<td>0.758</td>
<td>-0.100</td>
<td>(0.073)</td>
<td>127</td>
<td>H4</td>
</tr>
<tr>
<td>101</td>
<td>[Given existence of functional community center in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.525</td>
<td>0.164*</td>
<td>(0.076)</td>
<td>100</td>
<td>H4</td>
</tr>
<tr>
<td>102</td>
<td>[Given existence of functional drying floor in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.536</td>
<td>0.049</td>
<td>(0.055)</td>
<td>121</td>
<td>H4</td>
</tr>
<tr>
<td>103</td>
<td>[Given existence of functional grain store in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.522</td>
<td>0.056</td>
<td>(0.106)</td>
<td>77</td>
<td>H4</td>
</tr>
<tr>
<td>104</td>
<td>[Given existence of functional latrine in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.551</td>
<td>0.054</td>
<td>(0.045)</td>
<td>175</td>
<td>H4</td>
</tr>
<tr>
<td>105</td>
<td>[Given existence of functional health clinic in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.595</td>
<td>-0.172</td>
<td>(0.205)</td>
<td>29</td>
<td>H4</td>
</tr>
<tr>
<td>106</td>
<td>[Given existence of functional primary school in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.654</td>
<td>0.020</td>
<td>(0.036)</td>
<td>142</td>
<td>H4</td>
</tr>
<tr>
<td>107</td>
<td>[Given existence of functional sports field in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.352</td>
<td>0.076*</td>
<td>(0.036)</td>
<td>184</td>
<td>H4</td>
</tr>
<tr>
<td>108</td>
<td>[Given existence of functional traditional birth attendant (TBA) house in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.613</td>
<td>-0.076</td>
<td>(0.114)</td>
<td>81</td>
<td>H4</td>
</tr>
<tr>
<td>109</td>
<td>[Given existence of functional water well in the community] did you contribute any local materials or food for building or maintaining this resource?</td>
<td>0.574</td>
<td>0.027</td>
<td>(0.042)</td>
<td>153</td>
<td>H4</td>
</tr>
<tr>
<td>110</td>
<td>[Given that community redeemed vouchers and built something with the materials] supervisor assessment of the quality of construction concerning the building materials</td>
<td>0.650</td>
<td>0.046</td>
<td>(0.108)</td>
<td>23</td>
<td>H4</td>
</tr>
<tr>
<td>111</td>
<td>[Given community teachers at the school children in the community attend and provision of some incentive] how much money in Leones will each teacher receive for this current term (third term of 2008-09 academic year)?</td>
<td>75837.930 13701.956 21976.000</td>
<td>103</td>
<td>H4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>[Given community teachers at the school children in the community attend] are the community teachers given an incentive for their work by the community (for example: money, food, work on their farm)?</td>
<td>0.854</td>
<td>0.005</td>
<td>(0.041)</td>
<td>198</td>
<td>H4</td>
</tr>
<tr>
<td>113</td>
<td>[Given community teachers at the school children in the community attend] were the community teachers ever trained?</td>
<td>0.471</td>
<td>0.122*</td>
<td>(0.066)</td>
<td>173</td>
<td>H4</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
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</tr>
<tr>
<td>114</td>
<td>[Given community redeemed vouchers] has the community begun using the building materials?</td>
<td>0.242</td>
<td>-0.021</td>
<td>(0.075)</td>
<td>124</td>
<td>H4</td>
</tr>
<tr>
<td>115</td>
<td>Enumerator record of whether public debate (opinions expressed loudly enough for all to hear) occurred during the gift choice deliberation</td>
<td>0.610</td>
<td>0.040</td>
<td>(0.047)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>116</td>
<td>In your opinion, &quot;every person helped to decide&quot; best describes how the community decided what to do with the vouchers</td>
<td>0.571</td>
<td>0.021</td>
<td>(0.029)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>117</td>
<td>In your opinion, &quot;every person helped to decide&quot; best describes how the community decided to share the [salt/batteries]</td>
<td>0.611</td>
<td>0.009</td>
<td>(0.025)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>118</td>
<td>In your opinion, &quot;every person helped to decide&quot; best describes how the community decided what to do with the tarp</td>
<td>0.596</td>
<td>0.030</td>
<td>(0.026)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>119</td>
<td>Enumerator account of how democratically the group eventually came to a decision about which gift to choose, ranging from 5 = open discussion followed by group vote to 1 = chief and/or elders decide without other input</td>
<td>3.396</td>
<td>-0.024</td>
<td>(0.102)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>120</td>
<td>Do any disabled people hold leadership positions in this community (like member of VDC, youth leaders, headman, women's leader, secret society head)?</td>
<td>0.115</td>
<td>0.008</td>
<td>(0.042)</td>
<td>228</td>
<td>H5</td>
</tr>
<tr>
<td>121</td>
<td>Did any disabled people (blind, polio, amputee, wheelchair, etc.) attend the last community meeting?</td>
<td>0.545</td>
<td>0.070</td>
<td>(0.062)</td>
<td>227</td>
<td>H5</td>
</tr>
<tr>
<td>122</td>
<td>Enumerator record of duration of gift choice deliberation in minutes</td>
<td>9.362</td>
<td>1.544</td>
<td>(1.117)</td>
<td>225</td>
<td>H5</td>
</tr>
<tr>
<td>123</td>
<td>Everybody in the village had equal say in deciding what to buy / do with the building materials vouchers (this includes deciding not to use them)</td>
<td>0.522</td>
<td>-0.054</td>
<td>(0.057)</td>
<td>230</td>
<td>H5</td>
</tr>
<tr>
<td>124</td>
<td>Everybody in the village had equal say in deciding how to share the [salt/batteries]</td>
<td>0.526</td>
<td>-0.086</td>
<td>(0.056)</td>
<td>233</td>
<td>H5</td>
</tr>
<tr>
<td>125</td>
<td>Everybody in the village had equal say in deciding how to use the tarp</td>
<td>0.509</td>
<td>-0.106+</td>
<td>(0.058)</td>
<td>232</td>
<td>H5</td>
</tr>
<tr>
<td>126</td>
<td>If the big ones in the community wanted salt and everyone else wanted the batteries, respondent says they think the community would get the batteries</td>
<td>0.352</td>
<td>0.029</td>
<td>(0.032)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>127</td>
<td>In your opinion, &quot;every person helped to decide&quot; best describes what happened at the meeting when the community had to choose between the salt and batteries</td>
<td>0.562</td>
<td>0.000</td>
<td>(0.032)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>128</td>
<td>Did you attend a meeting today about gifts from our team?</td>
<td>0.840</td>
<td>-0.019</td>
<td>(0.018)</td>
<td>236</td>
<td>H5, H9</td>
</tr>
<tr>
<td>129</td>
<td>&quot;Everybody in the village had equal say&quot; chosen in response to who do you think had the most say over the choice between salt and batteries</td>
<td>0.671</td>
<td>-0.043</td>
<td>(0.027)</td>
<td>236</td>
<td>H5, H6</td>
</tr>
<tr>
<td>130</td>
<td>Gift (salt versus batteries) chosen reflects the view of the majority of household's response to &quot;would you rather have a small packet of iodized salt or a Vinnic battery for your household?&quot;</td>
<td>0.958</td>
<td>0.002</td>
<td>(0.026)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>131</td>
<td>Was there any community meeting to decide what to buy / do with the vouchers or how to raise the funds after our team left your community (not the original gift meeting)?</td>
<td>0.983</td>
<td>-0.052*</td>
<td>(0.023)</td>
<td>231</td>
<td>H5</td>
</tr>
<tr>
<td>132</td>
<td>In the past one year, have you attended any community meetings?</td>
<td>0.732</td>
<td>0.012</td>
<td>(0.020)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
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</tr>
<tr>
<td>133</td>
<td>Was there any community meeting to decide how to share the [salt/batteries] after our team left your community (not the original gift meeting)?</td>
<td>0.991</td>
<td>0.000</td>
<td>(0.012)</td>
<td>233</td>
<td>H5</td>
</tr>
<tr>
<td>134</td>
<td>Was there any community meeting to decide what to do with the tarp after our team left your community (not the original gift meeting)?</td>
<td>0.983</td>
<td>-0.025</td>
<td>(0.020)</td>
<td>233</td>
<td>H5</td>
</tr>
<tr>
<td>135</td>
<td>Enumerator record of total adults (18+ years) present at gift choice meeting</td>
<td>54.508</td>
<td>3.570</td>
<td>(2.876)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>136</td>
<td>Enumerator record of total women (18+ years) present at gift choice meeting</td>
<td>24.987</td>
<td>1.982</td>
<td>(1.590)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>137</td>
<td>Enumerator record of total youths (18-35 years) present at gift choice meeting</td>
<td>23.568</td>
<td>2.061</td>
<td>(1.321)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>138</td>
<td>Did anyone take minutes (written record of what was said) at the most recent community meeting?</td>
<td>0.295</td>
<td>0.140*</td>
<td>(0.063)</td>
<td>227</td>
<td>H5</td>
</tr>
<tr>
<td>139</td>
<td>Did you attend any meeting to decide what to do with the tarp after our team left your community (not the original gift meeting)?</td>
<td>0.765</td>
<td>-0.051*</td>
<td>(0.024)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>140</td>
<td>Did you attend any meeting to decide how to share the [salt/batteries] after our team left your community (not the original gift meeting)?</td>
<td>0.846</td>
<td>-0.032+</td>
<td>(0.017)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>141</td>
<td>Did you attend any meeting to decide what to do with the tarp after our team left your community (not the original gift meeting)?</td>
<td>0.812</td>
<td>-0.037+</td>
<td>(0.021)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>142</td>
<td>Community has not had any problems with financial mismanagement / corruption in the past 2 years (since October 2007)</td>
<td>0.964</td>
<td>0.002</td>
<td>(0.024)</td>
<td>224</td>
<td>H5</td>
</tr>
<tr>
<td>143</td>
<td>Enumerator record of whether no group left the meeting area to have a private discussion during the gift choice deliberation</td>
<td>0.542</td>
<td>-0.014</td>
<td>(0.060)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>144</td>
<td>Enumerator record of whether no private discussion among opinion leaders within the meeting area (not loud enough for all to hear) occurred during the gift choice deliberation</td>
<td>0.449</td>
<td>0.019</td>
<td>(0.048)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>145</td>
<td>Imagine that someone from outside comes into this community, and wants to do a project. They give the community the choice between two projects. What do you think is the best thing to do? Respondent chooses &quot;discuss together as a community until decision is reached&quot; or &quot;have a vote&quot; and not &quot;allow the village authorities to decide&quot;</td>
<td>0.852</td>
<td>-0.002</td>
<td>(0.019)</td>
<td>236</td>
<td>H5, H6</td>
</tr>
<tr>
<td>146</td>
<td>Enumerator account of how actively women participated in the deliberation compared to men, ranging from 5 = no difference between women and men to 1 = women not active at all compared to men</td>
<td>2.900</td>
<td>-0.126</td>
<td>(0.128)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>147</td>
<td>Enumerator account of how actively youth participated in the deliberation compared to non-youth (over 35 years), ranging from 5 = no difference between youth and non-youth to 1 = youth not active at all compared to non-youth</td>
<td>3.003</td>
<td>0.025</td>
<td>(0.124)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>148</td>
<td>Respondent feels that &quot;everybody in the village had equal say&quot; in deciding what to do with the vouchers</td>
<td>0.509</td>
<td>0.027</td>
<td>(0.030)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>149</td>
<td>Respondent feels that &quot;everybody in the village had equal say&quot; in deciding how to share the [salt/batteries]</td>
<td>0.554</td>
<td>0.034</td>
<td>(0.028)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
<td>Standard error</td>
<td>N</td>
<td>Hypothesis</td>
</tr>
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</tr>
<tr>
<td>150</td>
<td>Respondent feels that &quot;everybody in the village had equal say&quot; in deciding what to do with the tarp</td>
<td>0.522</td>
<td>0.057*</td>
<td>(0.029)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>151</td>
<td>Supervisor asks to see the tarp at second round follow-up visit: can the community show you the tarp?</td>
<td>0.836</td>
<td>-0.116*</td>
<td>(0.051)</td>
<td>232</td>
<td>H5</td>
</tr>
<tr>
<td>152</td>
<td>Enumerator record of total public speakers during gift choice meeting</td>
<td>6.042</td>
<td>0.223</td>
<td>(0.399)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>153</td>
<td>Enumerator record of total women public speakers during gift choice meeting</td>
<td>1.881</td>
<td>-0.195</td>
<td>(0.217)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>154</td>
<td>Enumerator record of total youth (18-35 years) public speakers during gift choice meeting</td>
<td>2.136</td>
<td>0.231</td>
<td>(0.237)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>155</td>
<td>Tarp is stored in a public place (community center, school/clinic, church/mosque) when it is not being used</td>
<td>0.060</td>
<td>0.054</td>
<td>(0.037)</td>
<td>225</td>
<td>H5</td>
</tr>
<tr>
<td>156</td>
<td>&quot;Everybody in the village will have equal say&quot; chosen in response to who do you think will have the most influence over how the tarpaulin is used</td>
<td>0.500</td>
<td>-0.031</td>
<td>(0.027)</td>
<td>236</td>
<td>H5, H6</td>
</tr>
<tr>
<td>157</td>
<td>Enumerator record of whether a vote occurred during the gift choice deliberation</td>
<td>0.097</td>
<td>0.069</td>
<td>(0.042)</td>
<td>236</td>
<td>H5, H6</td>
</tr>
<tr>
<td>158</td>
<td>[Given community redeemed vouchers and brought materials back to village] was there any public presentation of materials when they came back from the store?</td>
<td>0.813</td>
<td>0.056</td>
<td>(0.079)</td>
<td>92</td>
<td>H5</td>
</tr>
<tr>
<td>159</td>
<td>[Given private discussion among small group away from meeting] Enumerator record of how inclusive the side group was of non-opinion leaders</td>
<td>2.531</td>
<td>-0.084</td>
<td>(0.128)</td>
<td>101</td>
<td>H5</td>
</tr>
<tr>
<td>160</td>
<td>[Given worked on a communal farm in the past year] did you attend any meeting to decide what to plant on the communal farm or what to do with the harvest this year?</td>
<td>0.940</td>
<td>-0.047</td>
<td>(0.029)</td>
<td>164</td>
<td>H5</td>
</tr>
<tr>
<td>161</td>
<td>[Given membership in fishing cooperative] have you been to a meeting for this group in the past one month?</td>
<td>0.532</td>
<td>0.162</td>
<td>(0.143)</td>
<td>44</td>
<td>H5, H8</td>
</tr>
<tr>
<td>162</td>
<td>[Given membership in labor sharing gang] have you been to a meeting for this group in the past one month?</td>
<td>0.746</td>
<td>-0.008</td>
<td>(0.032)</td>
<td>221</td>
<td>H5, H8</td>
</tr>
<tr>
<td>163</td>
<td>[Given membership in credit or savings group] have you been to a meeting for this group in the past one month?</td>
<td>0.687</td>
<td>0.055</td>
<td>(0.045)</td>
<td>195</td>
<td>H5, H8</td>
</tr>
<tr>
<td>164</td>
<td>[Given membership in school PTA] have you been to a meeting for this group in the past one month?</td>
<td>0.710</td>
<td>-0.023</td>
<td>(0.060)</td>
<td>151</td>
<td>H5, H8</td>
</tr>
<tr>
<td>165</td>
<td>[Given membership in group saving for major event group] have you been to a meeting for this group in the past one month?</td>
<td>0.531</td>
<td>0.066</td>
<td>(0.070)</td>
<td>126</td>
<td>H5, H8</td>
</tr>
<tr>
<td>166</td>
<td>[Given membership in seed multiplication group] have you been to a meeting for this group in the past one month?</td>
<td>0.630</td>
<td>0.079</td>
<td>(0.065)</td>
<td>143</td>
<td>H5, H8</td>
</tr>
<tr>
<td>167</td>
<td>[Given membership in social club] have you been to a meeting for this group in the past one month?</td>
<td>0.684</td>
<td>0.042</td>
<td>(0.070)</td>
<td>126</td>
<td>H5, H8</td>
</tr>
<tr>
<td>168</td>
<td>[Given community has any community teachers] did you go to a meeting to decide what to give the teachers?</td>
<td>0.667</td>
<td>-0.001</td>
<td>(0.036)</td>
<td>194</td>
<td>H5</td>
</tr>
<tr>
<td>169</td>
<td>[Given membership in women's group] have you been to a meeting for this group in the past one month?</td>
<td>0.544</td>
<td>0.089*</td>
<td>(0.044)</td>
<td>210</td>
<td>H5, H8</td>
</tr>
<tr>
<td>170</td>
<td>[Given membership in youth group] have you been to a meeting for this group in the past one month?</td>
<td>0.675</td>
<td>-0.033</td>
<td>(0.040)</td>
<td>225</td>
<td>H5, H8</td>
</tr>
<tr>
<td>171</td>
<td>[Given the presence of a functional community center] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.601</td>
<td>0.214**</td>
<td>(0.067)</td>
<td>100</td>
<td>H5</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls (1)</td>
<td>Treatment effect (2)</td>
<td>Standard error (3)</td>
<td>N</td>
<td>Hypothesis</td>
</tr>
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</tr>
<tr>
<td>172</td>
<td>[Given the presence of a functional drying floor] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.676</td>
<td>0.070</td>
<td>(0.048)</td>
<td>121</td>
<td>H5</td>
</tr>
<tr>
<td>173</td>
<td>[Given the presence of a functional grain store] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.740</td>
<td>-0.023</td>
<td>(0.087)</td>
<td>77</td>
<td>H5</td>
</tr>
<tr>
<td>174</td>
<td>[Given the presence of a functional latrine] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.592</td>
<td>0.032</td>
<td>(0.044)</td>
<td>175</td>
<td>H5</td>
</tr>
<tr>
<td>175</td>
<td>[Given the presence of a functional health clinic] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.668</td>
<td>-0.166</td>
<td>(0.197)</td>
<td>30</td>
<td>H5</td>
</tr>
<tr>
<td>176</td>
<td>[Given the presence of a functional primary school] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.762</td>
<td>0.009</td>
<td>(0.031)</td>
<td>142</td>
<td>H5</td>
</tr>
<tr>
<td>177</td>
<td>[Given the presence of a functional sports field] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.576</td>
<td>0.018</td>
<td>(0.039)</td>
<td>182</td>
<td>H5</td>
</tr>
<tr>
<td>178</td>
<td>[Given the presence of a functional traditional birth attendant (TBA) house] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.564</td>
<td>0.14</td>
<td>(0.106)</td>
<td>81</td>
<td>H5</td>
</tr>
<tr>
<td>179</td>
<td>[Given the presence of a functional water well] did you attend any meeting about the planning, construction or maintenance of this resource?</td>
<td>0.734</td>
<td>0.001</td>
<td>(0.038)</td>
<td>153</td>
<td>H5</td>
</tr>
<tr>
<td>180</td>
<td>[Given private discussion among small group away from meeting] Enumerator record of the proportion of group that is women and youth</td>
<td>0.929</td>
<td>-0.070</td>
<td>(0.093)</td>
<td>107</td>
<td>H5</td>
</tr>
<tr>
<td>181</td>
<td>[Given community redeemed any vouchers] community is able to show the supervisor the receipt from the building materials store</td>
<td>0.403</td>
<td>0.058</td>
<td>(0.087)</td>
<td>127</td>
<td>H5</td>
</tr>
<tr>
<td>182</td>
<td>[Given community redeemed any vouchers] was there any public presentation of the materials when they came back from the store?</td>
<td>0.333</td>
<td>-0.103</td>
<td>(0.083)</td>
<td>128</td>
<td>H5</td>
</tr>
<tr>
<td>183</td>
<td>[Given community redeemed any vouchers] Supervisor asks to see the building materials at second round follow-up visit: can the community show you the materials?</td>
<td>0.632</td>
<td>-0.116</td>
<td>(0.081)</td>
<td>136</td>
<td>H5</td>
</tr>
<tr>
<td>184</td>
<td>[Given attended meeting to decide what to buy / do with the vouchers] did you speak publicly during the voucher meeting (meaning that you said something that everyone in the meeting could hear, not just your neighbor)?</td>
<td>0.482</td>
<td>0.023</td>
<td>(0.023)</td>
<td>235</td>
<td>H5</td>
</tr>
<tr>
<td>185</td>
<td>[Given attended community meeting in past year] did you make any speeches, comments or suggestions publicly during the last community meeting you attended?</td>
<td>0.506</td>
<td>-0.010</td>
<td>(0.025)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>186</td>
<td>[Given attended meeting about the communal farm] did you make any speeches, comments or suggestions publicly during that meeting?</td>
<td>0.687</td>
<td>-0.044</td>
<td>(0.048)</td>
<td>160</td>
<td>H5</td>
</tr>
<tr>
<td>187</td>
<td>[Given attended meeting to decide what to do with the salt/batteries] did you speak publicly during the salt/batteries meeting (meaning that you said something that everyone in the meeting could hear, not just your neighbor)?</td>
<td>0.514</td>
<td>-0.002</td>
<td>(0.021)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
<td>Standard error</td>
<td>N</td>
<td>Hypothesis</td>
</tr>
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</tr>
<tr>
<td>188</td>
<td>[Given attended meeting to decide what to do with the tarp] did you speak publicly during the tarp meeting (meaning that you said something that everyone in the meeting could hear, not just your neighbor)?</td>
<td>0.503</td>
<td>-0.018</td>
<td>(0.023)</td>
<td>236</td>
<td>H5</td>
</tr>
<tr>
<td>189</td>
<td>[Given attended a meeting to decide what to give the community teachers] did you make any speeches, comments or suggestions publicly during this meeting about what to give them?</td>
<td>0.691</td>
<td>0.005</td>
<td>(0.041)</td>
<td>185</td>
<td>H5</td>
</tr>
<tr>
<td>190</td>
<td>[Given community redeemed vouchers and brought materials back to village] materials are stored in a public place (community center, school/clinic, church/mosque) when they are not being used</td>
<td>0.128</td>
<td>0.246*</td>
<td>(0.098)</td>
<td>84</td>
<td>H5</td>
</tr>
<tr>
<td>191</td>
<td>Enumerator report that chief and/or elders did not decide between the salt and batteries with little or no input from other members of the community</td>
<td>0.932</td>
<td>0.011</td>
<td>(0.031)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>192</td>
<td>Respondent thinks non-chiefdom and non-elders had the most say in over the choice between salt and batteries</td>
<td>0.689</td>
<td>-0.043</td>
<td>(0.026)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>193</td>
<td>Respondent agrees with &quot;Women can be good politicians and should be encouraged to stand in elections&quot; and not &quot;Women should stay at home to take care of their kids&quot;</td>
<td>0.727</td>
<td>0.025</td>
<td>(0.019)</td>
<td>236</td>
<td>H6, H12</td>
</tr>
<tr>
<td>194</td>
<td>Respondent agrees with &quot;Responsible young people can be good leaders&quot; and not &quot;Only older people are mature enough to be leaders&quot;</td>
<td>0.762</td>
<td>0.038*</td>
<td>(0.017)</td>
<td>236</td>
<td>H6, H12</td>
</tr>
<tr>
<td>195</td>
<td>Relative view of &quot;do you think the Local Council [as opposed to Paramount chief] listens to what people in this town/neighborhood say or what they need?&quot;</td>
<td>-0.232</td>
<td>0.068*</td>
<td>(0.028)</td>
<td>235</td>
<td>H6</td>
</tr>
<tr>
<td>196</td>
<td>Village focus group does not choose a chiefdom official or elder in response to &quot;who had the most influence over what to do with the building material vouchers (this includes deciding not to use them)?&quot;</td>
<td>0.583</td>
<td>-0.047</td>
<td>(0.058)</td>
<td>230</td>
<td>H6</td>
</tr>
<tr>
<td>197</td>
<td>Village focus group does not choose a chiefdom official or elder in response to &quot;who had the most influence over how to share the [salt/batteries]?&quot;</td>
<td>0.595</td>
<td>-0.071</td>
<td>(0.059)</td>
<td>233</td>
<td>H6</td>
</tr>
<tr>
<td>198</td>
<td>Village focus group does not choose a chiefdom official or elder in response to &quot;who had the most influence over how the tarpaulin is used or whether to keep it in storage?&quot;</td>
<td>0.569</td>
<td>-0.076</td>
<td>(0.060)</td>
<td>232</td>
<td>H6</td>
</tr>
<tr>
<td>199</td>
<td>In your opinion, &quot;the chief decided&quot; does not best describe how the community decided what to do with the vouchers / how to raise money / what to buy at the store (this includes deciding not to use them)</td>
<td>0.909</td>
<td>-0.001</td>
<td>(0.018)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>200</td>
<td>In your opinion, &quot;the chief decided&quot; does not best describe how the community decided how to share the [salt/batteries]</td>
<td>0.896</td>
<td>0.005</td>
<td>(0.014)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>201</td>
<td>In your opinion, &quot;the chief decided&quot; does not best describe how the community decided to use the tarp</td>
<td>0.898</td>
<td>0.010</td>
<td>(0.015)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>202</td>
<td>Respondent does not choose a chiefdom official or elder in response to &quot;who had the most influence over what to do with the building material vouchers (this includes deciding not to use them)?&quot;</td>
<td>0.524</td>
<td>0.043</td>
<td>(0.029)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>203</td>
<td>Respondent does not choose a chiefdom official or elder in response to &quot;who had the most influence over how to share the [salt/batteries]&quot;</td>
<td>0.574</td>
<td>0.035</td>
<td>(0.027)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls (1)</td>
<td>Treatment effect (2)</td>
<td>Standard error (3)</td>
<td>N</td>
<td>Hypothesis</td>
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</tr>
<tr>
<td>204</td>
<td>Respondent does not choose a chiefdom official or elder in response to &quot;who had the most influence over hoe the tarpaulin is used or whether to keep it in storage?&quot;</td>
<td>0.543</td>
<td>0.058*</td>
<td>(0.029)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>205</td>
<td>Respondent agrees with &quot;As citizens, we should be more active in questioning the actions of leaders&quot; and not &quot;In our country these days, we should have more respect for authority&quot;</td>
<td>0.526</td>
<td>0.021</td>
<td>(0.023)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>206</td>
<td>Respondent has never gone to a traditional court (village headman court, section chief's court, local court, paramount chief's court) for help in resolving a dispute</td>
<td>0.686</td>
<td>0.006</td>
<td>(0.019)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>207</td>
<td>Relative view of &quot;if the Local Council [as opposed to Paramount chief] was given 500 million Leones to complete a project in this area, do you believe they would spend all the money doing a good job on the project or would they cut some of the money?&quot;</td>
<td>-0.085</td>
<td>0.023</td>
<td>(0.026)</td>
<td>230</td>
<td>H6</td>
</tr>
<tr>
<td>208</td>
<td>[Given that respondent chooses private residence as the best place to store the tarp] tarp not stored at chiefdom or elder's house</td>
<td>0.058</td>
<td>0.006</td>
<td>(0.012)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>209</td>
<td>Relative view of &quot;do you believe&quot; Local Councilors as opposed to Chiefdom officials</td>
<td>-0.127</td>
<td>-0.011</td>
<td>(0.025)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>210</td>
<td>Village focus group says tarp is not stored in chief's private residence</td>
<td>0.305</td>
<td>0.138*</td>
<td>(0.062)</td>
<td>236</td>
<td>H6</td>
</tr>
<tr>
<td>211</td>
<td>[Given redeemed vouchers and brough materials back to village] village focus group says materials not stored in chief's private residence</td>
<td>0.510</td>
<td>0.232*</td>
<td>(0.103)</td>
<td>95</td>
<td>H6</td>
</tr>
<tr>
<td>212</td>
<td>[Given redeemed vouchers] Village focus group says people who were not chiefdom officials went to the building materials store on behalf of the community</td>
<td>0.561</td>
<td>-0.051</td>
<td>(0.090)</td>
<td>128</td>
<td>H6</td>
</tr>
<tr>
<td>213</td>
<td>[Given some community teachers] respondent says it was not a traditional authority who had the most influence in determining how much to pay the community teachers</td>
<td>0.870</td>
<td>-0.075</td>
<td>(0.051)</td>
<td>190</td>
<td>H6</td>
</tr>
<tr>
<td>214</td>
<td>[Given some community teachers] respondent says that if a household who was supposed to contribute did not give anything for the community teachers, community did not report them to the chief or take them to the Paramount chief court</td>
<td>0.549</td>
<td>-0.009</td>
<td>(0.067)</td>
<td>195</td>
<td>H6</td>
</tr>
<tr>
<td>215</td>
<td>Tomorrow, if you needed to buy something from town or the market but were unable to travel there, would you give your money to someone from the community (not a household member) to buy the item for you?</td>
<td>0.942</td>
<td>0.009</td>
<td>(0.009)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>216</td>
<td>Suppose you were at a community meeting and you accidentally left your purse/wallet/some money on the bench. If you go back to get it one hour later, will it still be there?</td>
<td>0.259</td>
<td>-0.019</td>
<td>(0.018)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>217</td>
<td>Are you a member of any credit or savings (osusu) groups?</td>
<td>0.228</td>
<td>0.020</td>
<td>(0.022)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>218</td>
<td>Have you ever given money to a nonhousehold member to buy something for you at town/market?</td>
<td>0.929</td>
<td>0.015</td>
<td>(0.010)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>219</td>
<td>In your opinion, do you believe central government officials or do you have to be careful when dealing with them?</td>
<td>0.432</td>
<td>0.014</td>
<td>(0.026)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>220</td>
<td>In your opinion, do you believe chiefdom officials or do you have to be careful when dealing with them?</td>
<td>0.506</td>
<td>0.013</td>
<td>(0.024)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
<td>Standard error</td>
<td>N</td>
<td>Hypothesis</td>
</tr>
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</tr>
<tr>
<td>221</td>
<td>In your opinion, do you believe Local Councillors or do you have to be careful when dealing with them?</td>
<td>0.388</td>
<td>0.009</td>
<td>(0.026)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>222</td>
<td>In your opinion, do you believe NGOs / donor projects or do you have to be careful when dealing with them?</td>
<td>0.631*</td>
<td>0.054</td>
<td>(0.025)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>223</td>
<td>In your opinion, do you believe people from outside your own village / town / neighborhood or do you have to be careful when dealing with them?</td>
<td>0.396</td>
<td>-0.022</td>
<td>(0.019)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>224</td>
<td>In your opinion, do you believe people from your own village / town / neighborhood or do you have to be careful when dealing with them?</td>
<td>0.848</td>
<td>-0.015</td>
<td>(0.016)</td>
<td>236</td>
<td>H7</td>
</tr>
<tr>
<td>225</td>
<td>[Given that has ever left some money somewhere in the village] did you get your money back?</td>
<td>0.352</td>
<td>-0.039</td>
<td>(0.030)</td>
<td>234</td>
<td>H7</td>
</tr>
<tr>
<td>226</td>
<td>Are there any fishing groups / cooperatives in this community?</td>
<td>0.186</td>
<td>0.017</td>
<td>(0.041)</td>
<td>228</td>
<td>H8</td>
</tr>
<tr>
<td>227</td>
<td>Are you a member of any fishing groups or cooperatives?</td>
<td>0.030</td>
<td>-0.002</td>
<td>(0.009)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>228</td>
<td>Are you a member of any labor sharing groups?</td>
<td>0.486</td>
<td>-0.009</td>
<td>(0.024)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>229</td>
<td>Are you a member of any school PTA groups?</td>
<td>0.188</td>
<td>-0.042*</td>
<td>(0.022)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>230</td>
<td>Are you a member of any group saving for special events (weddings, funerals) groups?</td>
<td>0.121</td>
<td>0.003</td>
<td>(0.015)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>231</td>
<td>Are you a member of any seed multiplication groups?</td>
<td>0.108</td>
<td>0.032+</td>
<td>(0.017)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>232</td>
<td>Are you a member of any social clubs?</td>
<td>0.091</td>
<td>-0.001</td>
<td>(0.013)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>233</td>
<td>Are you a member of any women's groups (general)?</td>
<td>0.235</td>
<td>0.060**</td>
<td>(0.021)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>234</td>
<td>Are you a member of any youth groups (general)?</td>
<td>0.344</td>
<td>0.003</td>
<td>(0.021)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>235</td>
<td>In the past year, have you helped someone from the community (non-household member) to re-thatch their roof?</td>
<td>0.312</td>
<td>-0.027</td>
<td>(0.023)</td>
<td>236</td>
<td>H8</td>
</tr>
<tr>
<td>236</td>
<td>[Given membership in fishing cooperative] have you contributed any money to this group in the past one month?</td>
<td>0.437</td>
<td>-0.111</td>
<td>(0.175)</td>
<td>44</td>
<td>H8</td>
</tr>
<tr>
<td>237</td>
<td>[Given membership in seed multiplication group] have you contributed any money to this group in the past one month?</td>
<td>0.189</td>
<td>0.062</td>
<td>(0.061)</td>
<td>144</td>
<td>H8</td>
</tr>
<tr>
<td>238</td>
<td>[Given membership in women's group] have you contributed any money to this group in the past one month?</td>
<td>0.347</td>
<td>-0.026</td>
<td>(0.045)</td>
<td>210</td>
<td>H8</td>
</tr>
<tr>
<td>239</td>
<td>[Given membership in youth group] have you contributed any money to this group in the past one month?</td>
<td>0.337</td>
<td>-0.015</td>
<td>(0.042)</td>
<td>225</td>
<td>H8</td>
</tr>
<tr>
<td>240</td>
<td>[Given membership in fishing cooperative] have you contributed any labor to this group in the past one month?</td>
<td>0.516</td>
<td>0.136</td>
<td>(0.110)</td>
<td>44</td>
<td>H8</td>
</tr>
<tr>
<td>241</td>
<td>[Given membership in seed multiplication group] have you contributed any labor to this group in the past one month?</td>
<td>0.639</td>
<td>0.060</td>
<td>(0.063)</td>
<td>144</td>
<td>H8</td>
</tr>
<tr>
<td>242</td>
<td>[Given membership in women's group] have you contributed any labor to this group in the past one month?</td>
<td>0.655</td>
<td>-0.053</td>
<td>(0.043)</td>
<td>209</td>
<td>H8</td>
</tr>
<tr>
<td>243</td>
<td>[Given membership in youth group] have you contributed any labor to this group in the past one month?</td>
<td>0.680</td>
<td>0.036</td>
<td>(0.036)</td>
<td>225</td>
<td>H8</td>
</tr>
<tr>
<td>244</td>
<td>[Given that you needed to re-thatch a roof at home in the past year] did anyone from the community (non-household member) help you re-thatch your roof?</td>
<td>0.719</td>
<td>0.000</td>
<td>(0.043)</td>
<td>204</td>
<td>H8</td>
</tr>
<tr>
<td>245</td>
<td>Supervisor assessment of whether there are any of the following items--awareness campaigns, financial information, development plan, minutes from any meetings, government policies, election information--visible anywhere around the village (i.e. on a notice board, school, clinic, shon. etc.)?</td>
<td>0.138</td>
<td>0.010</td>
<td>(0.020)</td>
<td>218</td>
<td>H9</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls (1)</td>
<td>Treatment effect (2)</td>
<td>Standard error (3)</td>
<td>N</td>
<td>Hypothesis</td>
</tr>
<tr>
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</tr>
<tr>
<td>246</td>
<td>Can you tell me which gift was chosen?</td>
<td>0.899</td>
<td>-0.010</td>
<td>(0.014)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>247</td>
<td>Can you tell me what were the two choices of gift presented to the community?</td>
<td>0.889</td>
<td>-0.010</td>
<td>(0.015)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>248</td>
<td>You may remember that during our last visit we left some gifts with this community as a thank you for helping us with our research. Can you tell me what those gifts were? (out of 3)</td>
<td>2.611</td>
<td>-0.031</td>
<td>(0.026)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>249</td>
<td>Correctly able to name what the tarp was used for or what the community's plan is for using the tarp</td>
<td>0.589</td>
<td>-0.08</td>
<td>(0.048)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>250</td>
<td>Correctly able to name the whether or not the community redeemed any vouchers</td>
<td>0.814</td>
<td>-0.058</td>
<td>(0.030)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>251</td>
<td>Correctly able to name the Chairperson of the Local Council</td>
<td>0.081</td>
<td>0.018</td>
<td>(0.012)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>252</td>
<td>Correctly able to name the year of the next general elections</td>
<td>0.192</td>
<td>0.038*</td>
<td>(0.018)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>253</td>
<td>Correctly able to name the Local Councillor from their ward</td>
<td>0.384</td>
<td>0.012</td>
<td>(0.033)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>254</td>
<td>Correctly able to name the Paramount Chief for this chiefdom</td>
<td>0.680</td>
<td>-0.001</td>
<td>(0.023)</td>
<td>234</td>
<td>H9</td>
</tr>
<tr>
<td>255</td>
<td>Able to name a type and location of a Local Council project</td>
<td>0.080</td>
<td>0.003</td>
<td>(0.014)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>256</td>
<td>Correctly able to name the Section Chief for this section</td>
<td>0.533</td>
<td>0.053+</td>
<td>(0.032)</td>
<td>234</td>
<td>H9</td>
</tr>
<tr>
<td>257</td>
<td>Correctly able to name the amount adults are supposed to pay in Local Tax</td>
<td>0.925</td>
<td>-0.003</td>
<td>(0.011)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>258</td>
<td>Do you get information from the radio about politics and what the government is doing?</td>
<td>0.655</td>
<td>0.018</td>
<td>(0.020)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>259</td>
<td>Correctly able to name whether or not the community has used the tarp</td>
<td>0.754</td>
<td>-0.042</td>
<td>(0.037)</td>
<td>233</td>
<td>H9</td>
</tr>
<tr>
<td>260</td>
<td>Has this community been visited by the Paramount Chief in the past year?</td>
<td>0.161</td>
<td>0.058</td>
<td>(0.048)</td>
<td>236</td>
<td>H9</td>
</tr>
<tr>
<td>261</td>
<td>[Given community redeemed vouchers] Correctly able to name total vouchers redeemed, total cash contributed, who went to the building materials store on behalf of the community and materials purchased; and confirmed that they saw the materials upon arrival and the receipt from the store</td>
<td>3.582</td>
<td>-0.141</td>
<td>(0.235)</td>
<td>126</td>
<td>H9</td>
</tr>
<tr>
<td>262</td>
<td>[Given household member has paid market dues in the past year] able to correctly name authority who spends the market dues</td>
<td>0.440</td>
<td>0.035</td>
<td>(0.047)</td>
<td>183</td>
<td>H9</td>
</tr>
<tr>
<td>263</td>
<td>Respondent thinks they have &quot;some&quot; or &quot;little&quot; as opposed to &quot;no&quot; chance to change an unjust chieftdom law (for example, if the chief asks everyone to contribute 3 bushels or rice and you think this is too much, do you think you could get the chief to change the policy to only 1 bushel)?</td>
<td>0.511</td>
<td>0.002</td>
<td>(0.022)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>264</td>
<td>Respondent thinks they have &quot;some&quot; or &quot;little&quot; as opposed to &quot;no&quot; chance to change an unjust local government policy (for example, if the Local Council asks everyone to contribute 3 bushels or rice and you think this is too much, do you think you could get the Council to change the policy to only 1 bushel)?</td>
<td>0.522</td>
<td>-0.023</td>
<td>(0.022)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>265</td>
<td>Do you think the Local Council listens to what people in this town / neighborhood say or what they need?</td>
<td>0.295</td>
<td>0.050*</td>
<td>(0.022)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>266</td>
<td>How often do you discuss politics or the government with someone form the community, like a friend or a member of your household, ranging from 5 = everyday to 1 = never</td>
<td>2.067</td>
<td>0.039</td>
<td>(0.033)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls</td>
<td>Treatment effect</td>
<td>Standard error</td>
<td>N</td>
<td>Hypothesis</td>
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</tr>
<tr>
<td>267</td>
<td>Did anyone in this community contest the party symbol in the 2008 local council elections?</td>
<td>0.127</td>
<td>-0.036</td>
<td>(0.036)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>268</td>
<td>Did anyone in this community stand for the most recent paramount chief elections?</td>
<td>0.119</td>
<td>0.019</td>
<td>(0.043)</td>
<td>235</td>
<td>H10</td>
</tr>
<tr>
<td>269</td>
<td>Did anyone in this community stand for the most recent section chief elections?</td>
<td>0.280</td>
<td>0.032</td>
<td>(0.056)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>270</td>
<td>Did anyone in this community stand for the most recent Ward Development Committee elections or get nominated for WDC?</td>
<td>0.259</td>
<td>0.060</td>
<td>(0.0550</td>
<td>231</td>
<td>H10</td>
</tr>
<tr>
<td>271</td>
<td>Did you vote in the local government election (2008)?</td>
<td>0.851</td>
<td>-0.036*</td>
<td>(0.016)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>272</td>
<td>Did you vote in the first round of the last presidential general election (2007)?</td>
<td>0.963</td>
<td>-0.009</td>
<td>(0.007)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>273</td>
<td>Did you vote in the second round (run-off) presidential election (2007)?</td>
<td>0.933</td>
<td>-0.007</td>
<td>(0.010)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>274</td>
<td>Did you vote in the second round (run-off) presidential election (2007)?</td>
<td>0.933</td>
<td>-0.007</td>
<td>(0.010)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>275</td>
<td>[Given functional community center in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this community center?</td>
<td>0.555</td>
<td>0.144*</td>
<td>(0.069)</td>
<td>97</td>
<td>H10</td>
</tr>
<tr>
<td>276</td>
<td>[Given functional drying floor in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this drying floor?</td>
<td>0.476</td>
<td>0.081</td>
<td>(0.063)</td>
<td>118</td>
<td>H10</td>
</tr>
<tr>
<td>277</td>
<td>[Given functional grain store in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this grain store?</td>
<td>0.398</td>
<td>0.116</td>
<td>(0.102)</td>
<td>74</td>
<td>H10</td>
</tr>
<tr>
<td>278</td>
<td>[Given functional latrine in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this latrine?</td>
<td>0.395</td>
<td>0.077+</td>
<td>(0.045)</td>
<td>170</td>
<td>H10</td>
</tr>
<tr>
<td>279</td>
<td>[Given functional health clinic in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this PHU?</td>
<td>0.803</td>
<td>-0.219</td>
<td>(0.167)</td>
<td>27</td>
<td>H10</td>
</tr>
<tr>
<td>280</td>
<td>[Given functional primary school in the community] Was a member of the the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this primary school?</td>
<td>0.610</td>
<td>0.103+</td>
<td>(0.053)</td>
<td>139</td>
<td>H10</td>
</tr>
<tr>
<td>281</td>
<td>[Given functional football/sports field in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this football/sports field?</td>
<td>0.363</td>
<td>0.056</td>
<td>(0.051)</td>
<td>183</td>
<td>H10</td>
</tr>
<tr>
<td>282</td>
<td>[Given functional traditional birth attendant (TBA) house in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this TBA house?</td>
<td>0.608</td>
<td>-0.053</td>
<td>(0.102)</td>
<td>76</td>
<td>H10</td>
</tr>
<tr>
<td>283</td>
<td>[Given functional water well in the community] Was the Section Chief or Paramount Chief directly involved in the planning, construction, maintenance or oversight of this well?</td>
<td>0.572</td>
<td>0.033</td>
<td>(0.051)</td>
<td>152</td>
<td>H10</td>
</tr>
<tr>
<td>284</td>
<td>Proportion of female members of the VDC</td>
<td>0.209</td>
<td>0.066+</td>
<td>(0.037)</td>
<td>151</td>
<td>H10</td>
</tr>
<tr>
<td>285</td>
<td>Proportion of female or youth members of the VDC</td>
<td>0.426</td>
<td>0.004</td>
<td>(0.044)</td>
<td>151</td>
<td>H10</td>
</tr>
<tr>
<td>Row</td>
<td>Survey question</td>
<td>Endline mean for controls (1)</td>
<td>Treatment effect (2)</td>
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</tr>
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</tr>
<tr>
<td>285</td>
<td>Proportion of youth members of the VDC</td>
<td>0.258</td>
<td>-0.043</td>
<td>(0.040)</td>
<td>151</td>
<td>H10</td>
</tr>
<tr>
<td>286</td>
<td>[Given has a village development plan and redeemed vouchers] does the building materials project/plan relate to something inside the VDP or is it a new project not in the plan?</td>
<td>0.765</td>
<td>-0.059</td>
<td>(0.086)</td>
<td>130</td>
<td>H10</td>
</tr>
<tr>
<td>287</td>
<td>[Given has a village development plan] does the tarp project/plan relate to something inside the VDP or is it a new project not in the plan?</td>
<td>0.524</td>
<td>-0.041</td>
<td>(0.082)</td>
<td>161</td>
<td>H10</td>
</tr>
<tr>
<td>288</td>
<td>[Given has a village development plan] is the VDP written down anywhere?</td>
<td>0.403</td>
<td>0.246**</td>
<td>(0.078)</td>
<td>170</td>
<td>H10</td>
</tr>
<tr>
<td>289</td>
<td>Enumerator verifies that respondent's voter ID card has the correct hole punched indicating a vote in the local council elections</td>
<td>0.619</td>
<td>-0.031</td>
<td>(0.024)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>290</td>
<td>Enumerator verifies that respondent's voter ID card has the correct hole punched indicating a vote in the first round presidential elections</td>
<td>0.726</td>
<td>0.001</td>
<td>(0.020)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>291</td>
<td>Enumerator verifies that respondent's voter ID card has the correct hole punched indicating a vote in the second round presidential elections</td>
<td>0.710</td>
<td>-0.008</td>
<td>(0.020)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>292</td>
<td>[Given not a member of the VDC] would you like to be a member of the VDC?</td>
<td>0.361</td>
<td>-0.043*</td>
<td>(0.021)</td>
<td>236</td>
<td>H10</td>
</tr>
<tr>
<td>293</td>
<td>No conflict that respondent needed help from someone outside the household to resolve in the past one year</td>
<td>0.831</td>
<td>0.015</td>
<td>(0.016)</td>
<td>236</td>
<td>H11</td>
</tr>
<tr>
<td>294</td>
<td>In the past 12 months, respondent has not been involved in any physical fighting</td>
<td>0.970</td>
<td>0.014*</td>
<td>(0.006)</td>
<td>236</td>
<td>H11</td>
</tr>
<tr>
<td>295</td>
<td>In the past 12 months, no livestock, household items or money stolen from the respondent</td>
<td>0.618</td>
<td>-0.004</td>
<td>(0.022)</td>
<td>236</td>
<td>H11</td>
</tr>
<tr>
<td>296</td>
<td>During the last 12 months, respondent has not been a victim of witchcraft (juju)</td>
<td>0.989</td>
<td>0.000</td>
<td>(0.004)</td>
<td>236</td>
<td>H11</td>
</tr>
<tr>
<td>297</td>
<td>Respondent agrees with &quot;Beating children will only teach them to use violence against others&quot; and not &quot;In order to bring up a child properly, you need to punish him / her&quot;</td>
<td>0.402</td>
<td>0.002</td>
<td>(0.021)</td>
<td>236</td>
<td>H11</td>
</tr>
<tr>
<td>298</td>
<td>Respondent agrees with &quot;No one has the right to use physical violence against anyone else&quot; and not &quot;A married man has a right to beat his wife if she misbehaves&quot;</td>
<td>0.688</td>
<td>-0.017</td>
<td>(0.018)</td>
<td>236</td>
<td>H11, H12</td>
</tr>
<tr>
<td>299</td>
<td>No report of household member ever having a conflict with someone over a loan or other money business</td>
<td>0.823</td>
<td>-0.026+</td>
<td>(0.016)</td>
<td>236</td>
<td>H11</td>
</tr>
<tr>
<td>300</td>
<td>Respondent agrees with &quot;The use of violence is never justified in politics&quot; and not &quot;It is sometimes necessary to use violence in support of a just cause&quot;</td>
<td>0.681</td>
<td>0.001</td>
<td>(0.017)</td>
<td>236</td>
<td>H11</td>
</tr>
<tr>
<td>301</td>
<td>[Given a conflict over a loan] respondent says there was never any personal violence / fighting between self or household member and someone else</td>
<td>0.904</td>
<td>-0.022</td>
<td>(0.031)</td>
<td>199</td>
<td>H11</td>
</tr>
<tr>
<td>302</td>
<td>[Given conflict that required external assistance resolving] did not seek help from anyone outside the community</td>
<td>0.492</td>
<td>0.053</td>
<td>(0.049)</td>
<td>177</td>
<td>H11</td>
</tr>
<tr>
<td>303</td>
<td>Respondent agrees with &quot;It's wrong to pay a bribe to any government official&quot; and not &quot;In our country, it's okay to pay a bribe to a government official to encourage them&quot;</td>
<td>0.801</td>
<td>0.020</td>
<td>(0.014)</td>
<td>236</td>
<td>H12</td>
</tr>
<tr>
<td>Row</td>
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<td>Endline mean for controls (1)</td>
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<td>-----</td>
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</tr>
<tr>
<td>304</td>
<td>Respondent agrees with &quot;No one should be forced to do something they don't want to do&quot; and not &quot;It is OK for local leaders to have the right to force people to work for the community&quot;</td>
<td>0.589</td>
<td>-0.009</td>
<td>(0.020)</td>
<td>236</td>
<td>H12</td>
</tr>
<tr>
<td>305</td>
<td>Respondent agrees with &quot;Responsible people can be good local leaders even if they are not from this community&quot; and not &quot;Only people who have lived here for a long time know enough about this community to be good leaders&quot;</td>
<td>0.593</td>
<td>0.006</td>
<td>(0.020)</td>
<td>236</td>
<td>H12</td>
</tr>
<tr>
<td>306</td>
<td>Is the current (or acting) village chief/Headman a woman?</td>
<td>0.035</td>
<td>0.025</td>
<td>(0.026)</td>
<td>229</td>
<td>H12</td>
</tr>
<tr>
<td>307</td>
<td>Is the current (or acting) village chief/Headman less than 35 years old?</td>
<td>0.044</td>
<td>-0.038</td>
<td>(0.023)</td>
<td>229</td>
<td>H12</td>
</tr>
<tr>
<td>308</td>
<td>Respondent agrees with &quot;In this community, elders / authorities treat youths justly and with respect&quot; and not &quot;In this community, the way elders / authorities treat youths is not always right&quot;</td>
<td>0.754</td>
<td>0.001</td>
<td>(0.020)</td>
<td>236</td>
<td>H12</td>
</tr>
<tr>
<td>309</td>
<td>[Given presence of communal farm] both youths and non-youths work on the farm</td>
<td>0.700</td>
<td>-0.086</td>
<td>(0.072)</td>
<td>97</td>
<td>H12</td>
</tr>
<tr>
<td>310</td>
<td>[Given presence of communal farm] children do not work on the farm</td>
<td>0.286</td>
<td>-0.083</td>
<td>(0.076)</td>
<td>97</td>
<td>H12</td>
</tr>
<tr>
<td>311</td>
<td>[Given presence of communal farm] both men and women work on the farm</td>
<td>0.643</td>
<td>-0.020</td>
<td>(0.094)</td>
<td>97</td>
<td>H12</td>
</tr>
<tr>
<td>312</td>
<td>[Given presence of communal farm] people of different tribes work on the farm</td>
<td>0.300</td>
<td>-0.046</td>
<td>(0.094)</td>
<td>97</td>
<td>H12</td>
</tr>
<tr>
<td>313</td>
<td>[Given membership in group savings for major event] index of whether group contains both genders, youth and non-youths, and different ethnic groups</td>
<td>0.695</td>
<td>0.010</td>
<td>(0.033)</td>
<td>129</td>
<td>H12</td>
</tr>
<tr>
<td>314</td>
<td>[Given membership in labor sharing gang] index of whether group contains both genders, youth and non-youths, and different ethnic groups</td>
<td>0.449</td>
<td>0.002</td>
<td>(0.022)</td>
<td>221</td>
<td>H12</td>
</tr>
<tr>
<td>315</td>
<td>[Given membership in credit/savings group] index of whether group contains both genders, youth and non-youths, and different ethnic groups</td>
<td>0.604</td>
<td>0.034</td>
<td>(0.028)</td>
<td>197</td>
<td>H12</td>
</tr>
<tr>
<td>316</td>
<td>[Given current chief chosen since 2005] Is the current (or acting) village chief/Headman a woman?</td>
<td>0.067</td>
<td>0.090</td>
<td>(0.099)</td>
<td>64</td>
<td>H12</td>
</tr>
<tr>
<td>317</td>
<td>[Given current chief chosen since 2005] Is the current (or acting) village chief/Headman less than 35 years old?</td>
<td>0.103</td>
<td>-0.108</td>
<td>(0.070)</td>
<td>64</td>
<td>H12</td>
</tr>
<tr>
<td>318</td>
<td>[Given membership in social club] index of whether group contains both genders, youth and non-youths, and different ethnic groups</td>
<td>0.608</td>
<td>0.010</td>
<td>(0.046)</td>
<td>125</td>
<td>H12</td>
</tr>
</tbody>
</table>

Notes on table: i) significance levels indicated by + $p <0.10$, * $p <0.05$, ** $p <0.01$; ii) robust standard errors; iii) treatment effect estimates run on post-program follow-up data under minimal specification that includes only fixed effects for the district council wards (the unit of stratification) and the two balancing variables from the randomization (total households and distance to road); and iv) a small number of conditional outcomes from the ex ante analysis plan were dropped as they contained insufficient observations for analysis (for example, only 5 communities contained a market so treatment effects on community contributions to the market could not be estimated with the standard set of
### Hypotheses by family

<table>
<thead>
<tr>
<th>GoBifo Mean Effect</th>
<th>Community size</th>
<th>Index of war exposure</th>
<th>Average respondent schooling</th>
<th>Distance to motorable road</th>
<th>History of domestic slavery</th>
<th>Bombali district</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interaction of GoBifo Treatment Indicator with:</td>
<td>(std. error)</td>
<td>(std. error)</td>
<td>(std. error)</td>
<td>(std. error)</td>
<td>(std. error)</td>
<td>(std. error)</td>
</tr>
<tr>
<td>Family A: Development Infrastructure Impacts or &quot;Hardware&quot; Effects (Hypotheses 2 and 3; 30 total outcomes)</td>
<td>0.793** (0.132)</td>
<td>-0.000 (0.001)</td>
<td>-0.198 (0.183)</td>
<td>-0.023 (0.026)</td>
<td>-0.010 (0.011)</td>
<td>-0.174* (0.069)</td>
</tr>
<tr>
<td>Family B: Institutional and Social Change or &quot;Software&quot; Effects (Hypotheses 4, 5, 6, 7, 8, 9, 10, 11 and 12; 146 total outcomes)</td>
<td>0.097 (0.095)</td>
<td>-0.001 (0.001)</td>
<td>-0.081 (0.114)</td>
<td>0.014 (0.015)</td>
<td>-0.004 (0.007)</td>
<td>-0.025 (0.044)</td>
</tr>
</tbody>
</table>

Notes on table: i) significance levels indicated by + $p < 0.10$, * $p < 0.05$, ** $p < 0.01$; ii) robust standard errors; iii) includes fixed effects for the district council wards (the unit of stratification) and the following control variables: total households per community, distance to nearest motorable road, index of war exposure, index of history of domestic slavery, and average respondent years of school, plus all of these control variables--and the district dummy variable--interacted with the GoBifo treatment dummy; and iv) these mean effect estimates are limited to the full sample set of outcomes that excludes all conditional outcomes (i.e. those that depend on the state of another variable--for example, quality of infrastructure depends on the existence of the infrastructure) and are run on the post-program data.