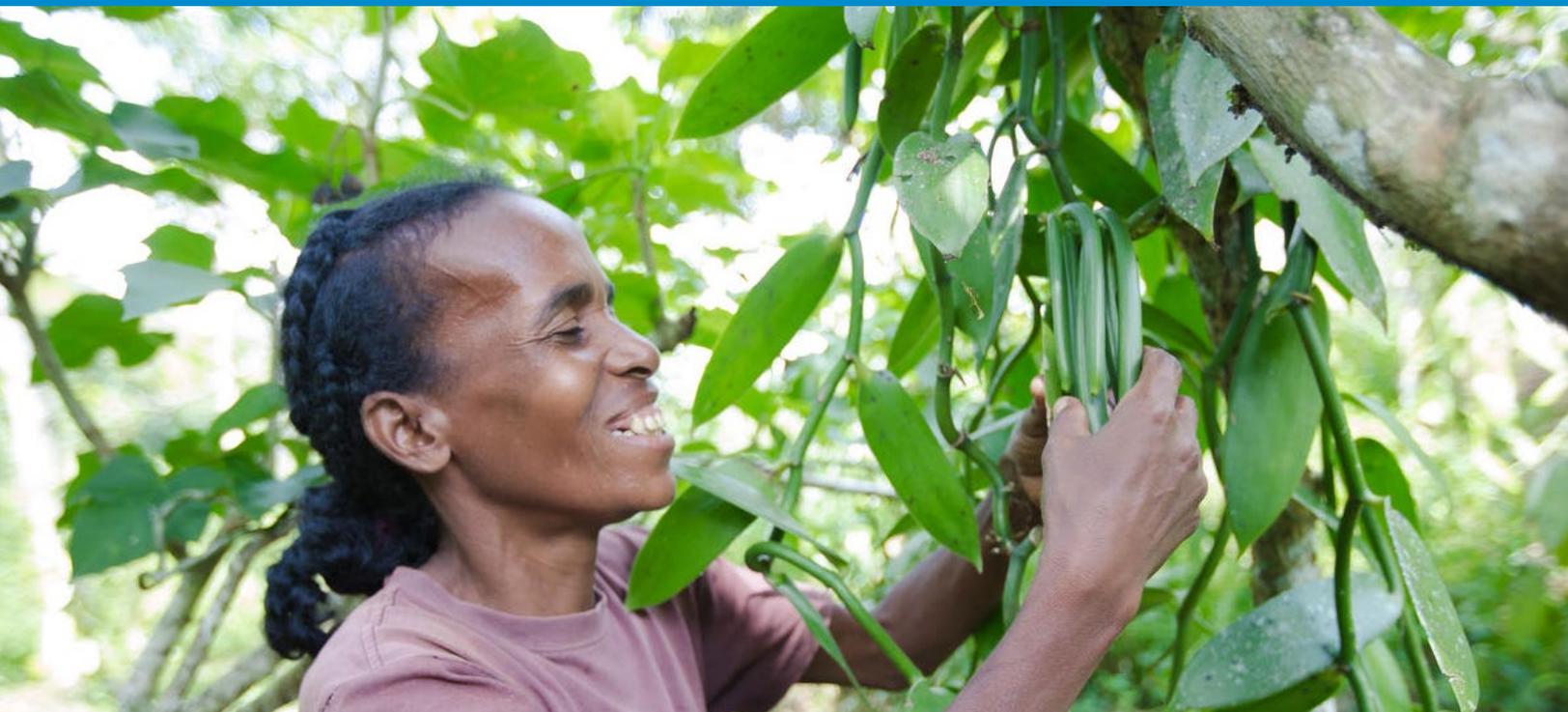


Baseline Study of the Maharo Resilience Food Security Activity (RFSA) in Madagascar



August 2021 | Volume II – Annexes C & D

IMPEL | Implementer-Led Evaluation & Learning Associate Award



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ABOUT IMPEL

The Implementer-Led Evaluation & Learning Associate Award (IMPEL) works to improve the design and implementation of Bureau for Humanitarian Assistance (BHA)-funded resilience food security activities (RFSAs) through implementer-led evaluations and knowledge sharing. Funded by the USAID Bureau for Humanitarian Assistance (BHA), IMPEL will gather information and knowledge in order to measure performance of RFSAs, strengthen accountability, and improve guidance and policy. This information will help the food security community of practice and USAID to design projects and modify existing projects in ways that bolster performance, efficiency, and effectiveness. IMPEL is a seven-year activity (2019–2026) implemented by Save the Children (lead), TANGO International, Tulane University, Causal Design, and Innovations for Poverty Action.

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ACRONYMS

ANCOVA	Analysis of Covariance
BHA	Bureau for Humanitarian Assistance
BL/EL	Baseline/Endline
BMI	Body Mass Index
CD	Causal Design
CEA	Cost-Effectiveness Analysis
CER	Cost-Effectiveness Ratio
CRS	Catholic Relief Services
HAZ	Height-for-Age Z-Scores
ICC	Intra-class correlation
IMPEL	Implementer-Led Evaluation & Learning Associate Award
IE	Impact Evaluation
IP	Implementing Partner
IRB	Internal Review Board
OLS	Ordinary Least Squares
PII	Personally Identifiable Information
RCT	Randomized Controlled Trial
RFSA	Resilience Food Security Activity
UID	Unique Identifier
USAID	United States Agency for International Development
WAZ	Weight-for-Age Z-Score
WHO	World Health Organization
WHZ	Weight-for-Height Z-Scores

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ANNEX C: MAHARO RFSA IMPACT EVALUATION PRE-ANALYSIS PLAN

1. DESCRIPTION OF STUDY

Causal Design (CD) is part of the Implementer-Led Evaluation and Learning (IMPEL) Associate Award consortium, the Bureau for Humanitarian Assistance’s (BHA) primary mechanism for carrying out the evaluations of the resilience food security activity (RFSA) in Madagascar. CD’s support for this project will include a survey and evaluation design of the Catholic Relief Services (CRS) implemented Maharo RFSA. Over the course of the implementation period, CD will conduct an Impact Evaluation (IE) study using an experimental evaluation (randomized controlled trial (RCT)) approach comprised of:

- A Pre-Analysis Plan that will outline the sampling strategy, survey design, outcomes for the analysis, estimation strategy, and additional methods (as appropriate).
- A Baseline (BL) Report that will summarize and analyze BL survey data.
- An IE Report that will use the BL and endline (EL) data to estimate the impact of the RFSA.
- A Cost-Effectiveness Analysis (CEA) at EL, tied to the IE data.

This pre-analysis plan outlines the experimental approach for evaluating the effectiveness of the Maharo RFSA. It outlines the overall evaluation design and approach, data collection and management protocols, and methods of analysis for each component of the evaluation.

1.1 Impact Evaluation Overview

CD will conduct an IE using BL and EL survey data in the enumeration areas of the specified RFSA in Madagascar. CD will carry out a BL survey in the first quarter of 2021 and a corresponding EL survey in the first quarter of 2025. Additionally, we will carry out a CEA using quantitative and qualitative methods in conjunction with the EL report.

Overview of BL Study: The BL study will rely on quantitative methods to measure BL indicators we will collect in the RFSA target area between January and March of 2021. The survey will provide BL data on the status of communities and households across BHA standard indicators. CD will work closely with BHA and relevant stakeholders to identify other key learning objectives to ensure that the BL survey and study can contribute to this learning where possible.

Overview of EL Study: The EL study will collect survey data from the same communities and households in the BL survey to estimate the ability of the RFSA intervention to directly impact household food security and well-being indicators as listed in BHA’s standard indicators. The EL study will be carried out between January and March of 2025 to mirror the timing of the BL survey and allow suitable time to allow for any potential benefits to occur. A follow-up survey will be administered to the same households as in the BL activity to ensure comparability across the two time periods.

Overview of CEA: The CEA will rely on data from the IE following the EL study, which will then be tied to the financial data to understand all costs that will contribute to results found in the IE. Additionally, we

will complement this analysis with additional contextual information about other programming in the area that may have contributed to any measured benefits, as well as insights from the project team as to what they believe was completed relatively cost-effectively and which aspects of their programming they perceived to be relatively expensive. The results of the CEA will be presented in the EL report.

2. EVALUATION APPROACH

2.1 Research Objective

The evaluation uses an RCT design which randomized the communities which would receive the additional activities. Given that general and emergency support was planned to be delivered unconditionally in the region of focus, while we designed the livelihood activities to be more targeted and tailored to specific community needs, the Maharo RFSA created the potential to design an experimental IE to estimate the marginal effect of a set of livelihood activities on the "standard" RFSA package. The evaluation seeks to inform the larger knowledge base around the efficacy of the RFSA among vulnerable populations and how benefits to vulnerable households can be further maximized.

2.1.1 Research Question

What is the additional impact on food security and nutrition outcomes in communities that receive additional tailored livelihood activities in conjunction with development, emergency, and nutritional support activities?

2.2 Evaluation Design

The evaluation team will conduct a clustered RCT to estimate the marginal impact of the Maharo RFSA intervention on food security and other well-being indicators in selected communities. The approach will use statistical analysis to estimate the direct impact of livelihood support activities on communities receiving RFSA support using standard BHA food security and health indicators.¹ The design will maximize the ability for the research to measure direct and attributional impacts and will employ statistical tools and methodologies, specifically randomization, *ex-ante* matching, and regression analysis. The CEA, combined with the IE findings, will allow the research team to explore a value-for-money dimension that assesses activity effectiveness.

The following sections outline the specific identification, randomization, and sampling strategies for the IE as well as the CEA methods and strategy.

2.2.1 Identification Strategy

The Maharo RFSA activities will include but are not limited to the provision of food assistance as well as maternal health support for mothers and their children, particularly in the early stages of childhood

¹ <https://www.usaid.gov/food-assistance/partner-with-us/implementation-and-reporting>

development. In addition to these services, the RFSa will also include a range of tailored livelihood support activities. While general RFSa support will be delivered unconditionally in the region of focus, livelihood activities will be designed to be targeted to specific communities. The delineation between communities that receive RFSa package activities with and without the additional livelihood support will allow for the ability to design an experimental IE to estimate the marginal benefit of these livelihood activities.

Implementer-defined clusters: Following an in-country field visit and evaluability assessment in January 2020, village or fokontany-level randomization was deemed infeasible because (1) villages or fokontany within the target area are too small to practically implement within, and (2) the definitions of fokontany in this area are dynamic and highly subject to change. The commune is the next highest level of administration. However, there are only 20 communes in the Maharo intervention areas—fewer than would be required for statistical power—ruling this out as an enumeration area for the purposes of randomization. CRS proposed defining “implementation clusters” composed of groups of fokontany that could be served by a CRS team. CRS identified 218 of these clusters in the target area, each with an average of three fokontany per cluster, to be used as the sampling frame. The “implementation clusters” approach should ensure that a statistically adequate number of treatment and control clusters can be assigned.

2.2.2 Randomization Strategy

CD will use a two-stage randomization strategy to select final treatment and control communities and households. On the cluster level, CD will use a matched pair randomization approach (rather than stratified random sampling) to ensure better balance prior to BL data collection. In the matched pair randomization, units will first be matched based on variables related to outcomes. In other words, clusters that look “similar” based on available data will be paired together. One unit from each pair will then be randomly assigned to treatment and the other to control. This process will then be used to generate matched pairs that will be utilized in the randomization exercise. CRS has provided information on the estimated number of households, number of potential beneficiaries, access to a river, access to a market, proximity to the coast, and presence of a clinic for each of the 217 clusters. Based on these data we formed 98 pairs of clusters for the matched-pair randomization. This has resulted in 98 treatment areas and 98 control areas with 21 unassigned areas where CRS is free to implement as it sees fit. Prior to assignment, the CRS team verified that the matches were reasonable based on knowledge of the areas.

The second stage of randomization will involve selecting fokontany within clusters and household within each fokontany. CRS conducted a household census in its intervention area in August 2020. Using this data, we will randomly sample 1–4 fokontany per cluster, based on the total population of each intervention cluster. We will then sample 12 households per fokontany.

2.2.1 Sampling Strategy and Power Calculation

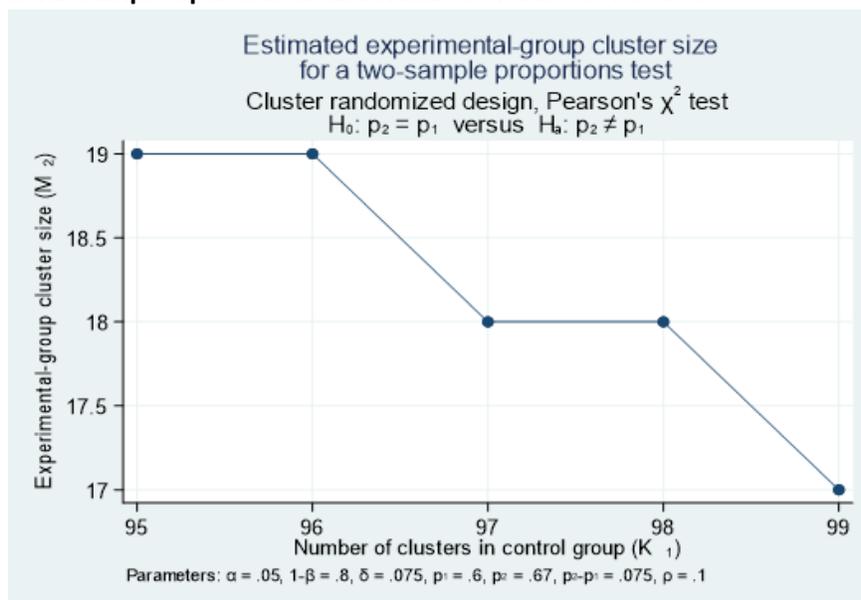
The following assumptions will be used to calculate the needed sample size for the BL and EL surveys:

- Sample size will be based on a cluster randomized design.
- Intra-class correlation (ICC): Our calculations will assume an ICC of 0.10.

- Confidence level of 95%.
- Power level of 80%.
- Expected reduction in poverty over the life of the project of 7.5 percentage points.
- Inflation Factor for number of households with children under 5 years of age to sample: According to a 2011 data set used from Madagascar,² 24% of the population is under 5 years in the provinces of Toliara and Fianarantsoa. This implies an inflation factor of 1.2.
- Non-response factor: Our calculation assumes a non-response factor of 5%.

The figure below illustrates 98 clusters per arm and 18 households per cluster would be required to meet the sample size assumptions listed in the previous section.

Figure 1: Households sampled per cluster and number of clusters needed³



However, to account for the possibility that we may have to drop pairs, we use 20 households per cluster to assure that we would be adequately powered for 95 or 96 clusters per arm. To capture sufficient children under 5 and to account for attrition (non-response), the study would require 4,614 households total, or an average of 24 households per cluster.⁴

2.3 Cost-Effectiveness Analysis

The CEA for the CRS Maharo activity will focus specifically on the cost-effectiveness of the tailored economic development packages.

² Madagascar Enquête Anthropométrique et Développement de l'Enfant 2011 household data. More up to date data was not available through the national census as of the creation of this calculation. As a result, this data was used for its focus on child anthropometry.

³ The calculations use Stata software. The command used is "power two proportions .60, diff(.075) k1(95, 96, 97, 98, 99) rho(.1) one-sided graph."

⁴ According to our calculations: $3,724 * 1.18 * 1.05 = 4,614$ households total, or 23.4 households per cluster. Rounding up this results in 24 per cluster or 4,704.

This analysis will be viewed from the following dimensions:

- Impact results data measuring key outcomes of the economic development activities;
- Detailed cost per outcome calculations for selected and relevant units of key outcomes; and,
- Perceptions of effectiveness from the implementers.

The conclusions will contribute to building a body of knowledge towards understanding the cost-effectiveness of resilience and food security interventions.

2.3.1 CEA Perspective

The CEA will use the donor’s perspective of costs and outputs: often called the **program perspective**. While this perspective does not capture the true cost of providing economic development interventions to society (such as the cost of the farmer’s time or materials), it is a useful perspective for understanding the cost-effectiveness of programs. This perspective is often used to understand where cost savings can be achieved for the implementing partners (IPs). It is also done to compare alternative development approaches for achieving the same outcome or output. In the program perspective, expenditures by external stakeholders (e.g., households) will *not* be included in the final CEA, but these will be considered and discussed as leveraged contributions from other parties.

2.3.2 Activity-Based Costing

We will use activity-based accounting of project delivery costs.⁵ This approach allows for a detailed, disaggregated understanding of the implementation costs by the activities that make up an intervention. This approach will be facilitated by the total non-salary costs accounting done by CRS and its IPs. This ought to provide more information on activities where economies of scale or efficiencies can be achieved, which may be useful for future activity design and management decisions and may also be helpful for understanding the cost for scaling any interventions.

Activity costs will be disaggregated into the following project implementation costs:

- Governance (Purpose 1).
- Nutrition (Purpose 2).
- Maternal and Child Health (Purpose 2).
- Agriculture and Livelihoods (Purpose 3).
- Natural Resource Management and Risk Mitigation (Purpose 4).

Similarly, CRS will be able to track their administration costs according to each of these project activities. This will allow us to include both administration and direct implementation costs associated with each of these project activities.

Finally, we anticipate including fixed costs (e.g., staff salaries) in the analysis as well. However, these costs will not vary by activity and will be treated separately (see analysis section below).

⁵ Sometimes referred to as bottom-up costing.

2.3.3 Period of Analysis and Real Figures for all Cases

The timeline for both the cost and the measure of outputs will be from the beginning of the BL evaluation data collection (2021) until EL data collection (2025). We will use 2021 as a base year (using real figures by removing inflation from the analysis).⁶

2.3.4 Cost-Effectiveness Ratio

The analysis will evaluate the cost-effectiveness ratio (CER) of the marginal impact resulting from livelihood support activity. The CER will reflect the cost on a per unit basis, with different measures of effectiveness for the units. These measures of effectiveness are incremental outcome measures that will come directly from the IE. The ratio takes the form below:

$$CER = \frac{Fixed\ Costs + Activity\ Costs}{Measure\ of\ Effectiveness}$$

A discussion on fixed and activity costs and which measures of effectiveness might be used are included in the CEA Analysis section below.

2.3.5 Qualitative Context for Interpreting CEA Results

To complement the CER results, we will also interview key stakeholders to better understand where they perceive any cost efficiencies to exist and what may have been driving those results. Once the CER results are available, interviews with project managers and other key stakeholders will explore qualitative aspects of the economic development interventions. This line of inquiry will help the evaluation team understand what aspects of implementation may have been rather expensive and any strategies for making the implementation more affordable.

Finally, we will leverage these interviews to understand if the CEA results might be capturing non-Maharo activities and if that might lead to interventions appearing more or less cost-efficient than they would be in the absence of the actions of external stakeholders. This is especially relevant as there are some shared costs with other activities that are implemented in the same regions. For example, CRS is concurrently implementing a United States Agency for International Development (USAID) emergency project (Firanga) in the same region and sharing some costs. There are also other funds that will directly contribute to activity implementation, namely a CRS contribution and outstanding funds from a prior award.

Key questions for the qualitative CEA inquiry include:

- Have the planned outcomes been achieved, and if not, why not? Was this due to implementation challenges or to other factors, independent of the activity's ability to deliver?

⁶ Base year means the analysis will be done in 2021 United States dollar. This implies that inflation in years after 2021 will be removed from the cost calculations, allowing for a comparison on real costs alone.

- Was the project able to leverage resources from other parties? What other costs were there (beyond CRS's IPs) that were incurred for Maharo's achievements?
- What other interventions were operational in the same areas as Maharo that may have helped contribute to Maharo's achievements?
- From your perspective, what aspects of this intervention were done cost-effectively? Why? Which aspects were not done cost-effectively? Why not?
- What were unexpected costs or relatively expensive costs in the Maharo RFSA?

Additionally, we will thoroughly review project documentation (e.g., quarterly and annual reports and the midterm evaluation) for possible cost variations and their causes.

3. DATA COLLECTION

All questionnaires will be drafted initially in English using Open Data Kit software. After receiving approval from BHA, IMPEL, and IPs, CD will translate surveys into French and Malagasy utilizing local partner staff. CD will then engage an outside firm to provide back translation into English to ensure accuracy of the survey tools.

3.1 Survey Design

Impact Evaluation: CD intends to implement the same household questionnaire at both the BL and EL periods. The foundation of the survey will draw from selected BHA indicators from the BHA BL/EL indicators handbook⁷ as confirmed by BHA, IMPEL and IPs in the Inception Workshop in March 2020. Where required, surveys will be adapted to local context and adjustments will be made between survey periods. The questionnaires include a combination of the following modules:

- Module A: Household identification and informed consent
- Module B: Household roster
- Module C: Food access (e.g., Household Dietary Diversity Score, Household Hunger Scale, Food Consumption Score (FCS))
- Module D: Children's nutrition and health
- Module D: Anthropometry
- Module E: Women's nutrition, breastfeeding, and antenatal care
- Module F: Household water, sanitation, and hygiene
- Module G: Agriculture
- Module H: Household poverty
- Module J: Gender–cash
- Module K: Gender access to credit and group participation
- Module R: Resilience module

⁷ <https://www.usaid.gov/food-assistance/documents/ffp-indicators-handbook-part-i-indicators-baseline-and-endline-surveys-RFSA>

Community-level data: In addition to the household surveys, short community-level surveys will be conducted at the fokontany level to gather information available at the local level such as other development and aid projects operating in the area and local public services.

3.2 Outcome Indicators

The list of outcome indicators for the Maharo RSFA are in the appendix. These indicators reflect discussions with USAID-BHA and the interventions that will be implemented by CRS in target areas. These indicators are also listed in the BHA BL/EL indicators handbook referenced in section 3.1 above.

3.3 Enumerator Training

CD will engage its local partner to recruit and train enumerators. Survey manuals and other training materials were adapted from existing research protocols and refined using BHA examples prior to the training period. The CD team will monitor practice surveys during the training to verify comprehension and functionality of the instrument and performance of the enumerators.

Anthropometric data collection and training: CD will engage its local partner to staff anthropometry specialists onto the data collection team to provide training of anthropometric measurement as well as oversight during the data collection period. For the BL period, training focused only on standardizing and accurately capturing weight measurements for children using approved measurement scales while observing social distancing protocols. Anthropometrists developed the required training curriculum and provided demonstration training to ensure standardization of measurement practices among enumerators. These measurements comply with all current World Health Organization (WHO) standards and practices.

3.4 Data Management

Data protocols: Questionnaires will be drafted using ODK and all household survey data will be collected with electronic tablets utilizing SurveyCTO, a standard data collection application that allows for secure data storage and options for monitoring data quality. Incoming survey data will be monitored by CD staff to flag potential enumeration errors early in the data collection process. In accordance with best practices and regulation around human subject testing and data privacy, access to personally identifiable data (PII) will be limited and anonymized data will be utilized for analysis. Data management protocols will also be approved by a U.S certified Internal Review Board (IRB) and Madagascar’s Ethical Research Review Board prior to any data collection, storage, and analysis.

Initial validation: CD will work closely with IPs and BHA to review preliminary findings and discuss potential discrepancies between the data and observations from the field.

Quality assurance: CD’s internal Data Management Protocol outlines the activities and strategies that the research team implements to ensure that all data collection efforts meet industry and sector standards and expectations. This includes assurance that the data reflect high levels of USAID’s five data

quality standards:⁸ validity, reliability, precision, integrity, and timeliness. These efforts will then be mapped onto the wider phases of the project to demonstrate when they are being implemented and at what level. A full version of this protocol is available upon request.

4. ANALYSIS

To assess the impact of the non-emergency interventions over the course of the activity, the CD team will (1) present preliminary descriptive analysis, (2) conduct regression analysis to estimate the impact, and (3) estimate the cost-effectiveness of the package of interventions.

4.1 Descriptive Analysis

The preliminary analysis using the BL data will show the extent to which the randomization was successful in achieving balance at BL. The regression analysis can then correct for any imbalances by adding additional controls as needed. At EL, the team will calculate basic statistics across outcome measures and test for any bias introduced by attrition in the sample or other threats to validity.

4.2 Impact Analysis

The evaluation activities will use Ordinary Least Squares or OLS⁹ for continuous outcomes and linear probability models for binary outcomes. As needed, the research team will incorporate additional specifications that are meant to enhance statistical power, increase the validity of constructed comparison groups, or both. Examples include ANCOVA methodology that can be used to better account for BL levels of indicators and outcomes of interest.

Based on the original research question, "What is the additional impact on food security and nutrition outcomes in communities that receive additional tailored livelihood activities in conjunction with development, emergency, and nutritional support activities?", the evaluation will use the BL and EL data to estimate the impact of the Maharo program on well-being indicators observed at EL:

$$\text{Well-being}(EL) = \text{Well-being}(BL) + \text{Maharo (Full Package)} + \text{Controls}(BL)$$

The final impact evaluation model will estimate the average effect of the full intervention package on households within treated clusters, compared to households in the general beneficiary area. The basic ANCOVA model:

$$(1) \quad y_{ij} = \theta_0 + \theta_1 T + \theta_2 y_{ij0} + \varepsilon_{ij}$$

Where y_{ij} refers to the outcome variable for individual or household i in cluster j at EL; T is the treatment dummy; ε_{ij} is the error term; and y_{ij0} refers to BL values for the same outcome indicator.

⁸ Conducting Data Quality Assessments | Program Cycle | Project Starter

⁹ In statistics, ordinary least squares (OLS) and linear probability models (LPM) are methods for estimating the unknown parameters in a linear regression model. They are standard econometric methods used to establish and estimate empirical relationships between outcomes and a range of explanatory factors

$$(2) \quad y_{ij} = \beta_0 + \beta_1 T + \beta_2 y_{ij0} + \theta_k + \varepsilon_{ij}$$

Equation (2) adds the set of matched-pair dummies θ_k . Although the random selection of households and villages ensures the regressors in (1) and (2) are exogenous, we include a third specification controlling for various household-level X_{ij} and village-level X_j covariates in equation (3). This is because randomization was done prior to the BL and prior to the CRS census with limited information. Therefore, we cannot rule out the possibility of imbalance in some dimensions.

$$(3) \quad y_{ij} = \beta_0 + \beta_1 T + \beta_2 y_{ij0} + \beta_3 X_{ij} + \beta_4 X_j + \delta_j + \theta_k + \varepsilon_{ij}$$

Subgroup analysis: To explore how the impact of the Maharo programming varies for different types of households, we will conduct subgroup analysis. In particular, this analysis can help shed light on particular baseline resilience capacities that are most predictive of endline food security outcomes. Subgroups of interest will be defined together with CRS based on the resilience capacities that are of most interest to them. Indicators collected during the baseline data collection will be used to define different subgroups of households based on their baseline resilience capacities. We will use the following specification to estimate heterogeneous treatment effects on food security outcomes across these predefined subgroups:

$$(4) \quad y_{ij} = \beta_0 + \beta_1 T + \beta_2 S_i + \beta_3 (S_i * T) + \beta_4 y_{ij0} + \beta_5 X_{ij} + \beta_6 X_j + \delta_j + \theta_k + \varepsilon_{ij}$$

Where S denotes whether household i is included in the subgroup. Alternatively, if CRS does not have ex ante hypotheses about baseline resilience capacities that are most important for food security, we can identify potentially important resilience capacities using a data driven approach. Specifically, we will estimate heterogeneous treatment effects using the causal forests algorithm to identify which baseline resilience capacities have the largest variation in endline food security outcomes.¹⁰ This algorithm allows us to assess all possible subgroups of households versus defining sub groups ex ante and may identify important resilience capacities outside of our original set of hypotheses. We will report both the characteristics of the subgroups identified by the algorithm as well as the impact of the program for these groups.

Sampling weights: The evaluation will include results of both weighted and unweighted estimations. Sampling weights will be calculated as the inverse of the product of the probabilities of selection from each of the stages of selection (e.g., district, commune, fokontany, household, eligible individual selection). Separate weights will be calculated for indicators and adjusted to compensate for household and individual non-response.

Standard errors and p-values: Standard errors will be clustered at the CRS cluster level. Given the large number of outcome variables, it is important to consider that as the number of outcomes tested increases, the likelihood of finding a statistically significant effect when there is no true effect (Type I error) increases. To account for this, we will report both the standard p-values and the p-values corrected for Family-Wise Error Rate and the sharpened q-values corrected for the False Discovery Rate.

¹⁰ Wager, S., & Athey, S. (2018). Estimation and inference of heterogeneous treatment effects using random forests. *Journal of the American Statistical Association*, 113(523), 1228-1242.

To generate q-values, outcomes will be organized into outcome ‘families’ according to sector (i.e. food security, child nutrition and health, women’s health, WASH, agriculture, poverty, gender dynamics and resilience).

Anthropometry¹¹: In line with standard practice, child nutritional status indicators (stunting, underweight, and wasting) will be derived from World Health Organization (WHO) growth reference standards (z-scores)¹². These z-scores are the HAZ (height-for-age), WAZ (weight-for-age), and WHZ (weight-for-height), relating to stunting, underweight, and wasting, respectively. Cases where z-scores fall outside plausible lower and upper bound ranges for Madagascar will be documented and excluded from the analysis. Processes for indicator creation and cleaning will be conducted for all rounds that capture anthropometric data. Women’s body mass index (BMI) will be used to measure nutritional status where the BMI is the ratio of the weight in kilograms to the square of the height in meters (kg/m²). However, due to COVID-19 protocols, we will only collect weight for children under 5 at BL. We plan to collect all anthropometric and maternal weight indicators at the EL.

Attrition and missing data: In the case of significant levels of attrition, BL data on originally selected households will be compared with BL data of households that are present at the EL. The research team will be able to test if attrition (or non-response) was imbalanced (by regressing the attrition dummy on treatment status) and/or non-random (by regressing the attrition dummy on various outcome indicators measured at BL). If attrition is found to be non-random and imbalanced, we will construct Lee Bounds—a conservative measure of the upper and lower bounds based on the most extreme sample selection—or conduct Inverse Probability Weighting.

Analysis will not attempt to impute missing data points and responses will be ignored for the purposes of impact analysis. This will apply to questions where respondents refused to answer, stated an inability to answer, or otherwise were unable to respond. Cases of implausible data will be shared with the enumeration team to verify the validity of the response or understand the root of the error.

4.3 Supplementary Analysis on Resilience Indices

In addition to the impact analysis described above, we will conduct additional descriptive analyses on the BL 8 (Adaptive Capacity Index), BL 9 (Absorptive Capacity Index), and BL 25 (Transformative Capacity Index). The goal of this analysis is to provide additional insights on which elements of adaptive, absorptive and transformative capacities are driving the overall index scores in order to provide useful programming insights for CRS. This analysis will be conducted at endline for both baseline and endline adaptive, absorptive and transformative indices in order to provide insights for CRS on which capacities were relatively strongest and weakest at both points in time and which have seen the most growth over the evaluation period. To assess this, we will report the weights on the index subcomponents generated from the principal components analysis (PCA) procedure. We will also assess how these weights compare to the overall distributions of each subcomponent to determine which subcomponents are most driving the overarching index scores

¹¹ Due to precautions around the coronavirus pandemic, the research team will omit measurement of stunting from the BL analysis and conduct single difference estimation of impact for these indicators.

¹² https://www.who.int/childgrowth/standards/Technical_report.pdf

4.4 Cost-Effectiveness Analysis

4.4.1 Measures of Effectiveness

Measures of effectiveness for the economic development activities are proposed below. These measures were identified based on how closely these results can be attributed to Maharo’s economic development activities, without incorporating results from the emergency funding. At the same time, we have also tried to identify measures that can best capture the full extent of the economic development funding and its results, or at least reflect most of the activities. These overall outcome measures could include costs per:

- Reduced incidence of people living on less than \$1.90 per day
- Household with reduced poor or borderline FCS
- Increased incidence of children under 5 years of age with a healthy weight

All measures of effectiveness will come from the IE specified above and will reflect the incremental benefit attributable to the economic development funding.

4.4.2 Cost Data

As indicated in the CER explained above, cost data will be captured for fixed costs and for activity costs in the year in which the expense occurs. Definitions and collection plans for each type of cost are outlined below.

Fixed costs: Fixed costs are those costs that do not change based on the implementation of activities. Fixed costs include the salaries of the senior project management personnel (e.g., the Chief of Party), financial, contract, and monitoring and evaluation staff. Additional fixed costs such as rent, security, and utilities that were incurred in Madagascar will also be considered (we will not include non-Madagascar fixed costs which might slightly underestimate the costs of project implementation, but we believe the burden of collecting the data will be high). This data will need to be collected in cooperation with CRS.

Activity Costs: Activity costs are operational costs. Data for these costs (and the associated activity-based costing) will be pulled from the CRS financial database. Our team has already confirmed with CRS that their financial data can easily distinguish between economic development funding and the emergency support funding and can be disaggregated according to the activities identified in section 2.4.2 above). To the extent possible, we will provide detailed cost data for the materials that were required for implementation of each activity (e.g., labor, transportation, and infrastructure).

Costs will be collected for CRS and their partners.

4.4.3 Cost-Effectiveness Analysis Results

Because the IE is only able to examine one treatment arm, this will result in measures of effectiveness for only one set of interventions (economic development funding). This will mean that we will only be able to produce one cost-effectiveness ratio per outcome measure identified above. For example, our results may suggest that it cost \$15 per household with reduced poor or moderate FCS score. The question then becomes, is that cost-effective?

To answer that question, we would need to compare the cost-effectiveness ratio using the same outcome measure. Typically, we might be able to compare an activity's cost-effectiveness of an outcome against another activity using the same outcome measure, or the cost-effectiveness of how one intervention was implemented in different geographic areas by comparing the costs per same outcome. However, the limitations of just one treatment means that we cannot compare the cost-effectiveness ratio against any other aspect of the Maharo project. This will limit our ability to draw conclusions about whether Maharo has been implemented cost-effectively.

However, there are several other external programs that may help characterize or provide some insights about the relative effectiveness of Maharo:

- We believe that we may be able to compare these results to a cost-effectiveness analysis from another RFSa IE in Malawi that is ongoing, although it is too soon to tell how this IE and CEA will be structured.
- We anticipate that we can compare the Maharo CEA results to the CEA results for the FIOVANA project in Madagascar, which will use the same outcome measures and cost accounting. The IE results for FIOVANA and Maharo are measuring different activities, but this may provide some insights as to the additional cost value of livelihood support activity (as measured in Maharo) compared to development, emergency, and nutritional support (as measured in the FIOVANA IE).
- Finally, we will review literature to identify other similar programming, such as Feed the Future activities that were subject to an IE and measured cost-effectiveness using the same outcome measures. We believe this specific criterion will limit the amount of evidence that may be available for comparison; however, it may be possible to impute cost-effective ratios with available information (e.g., we may be able to create our own cost-effectiveness ratios if IE provide overall activity costs and the same outcome measures).

There will be limitations to comparing Maharo CEA results directly to any of these other activities listed above, specifically related to the similarity of the activities. All limitations will be discussed in the final report.

Furthermore, with more IEs requiring cost-effectiveness analysis, eventually there will be a body of research available to begin to compare RFSa interventions to understand where programming was relatively cost-effectively implemented.

4.4.4 Qualitative Data

Without the ability to benchmark the CERs, we intend to complement our understanding of these results in interviews with key stakeholders (in the form of key informant interviews). These interviews will take place after the cost-effectiveness analysis is complete, and contingent on the availability of the stakeholders for interviews selected interviewees for key informant interviews will be individuals with relevant experience and who are knowledgeable about project implementation and the associated costs to provide rich insight. Currently, we anticipate these key informant interviews to be with project management and possibly also USAID personnel who are very familiar with the implementation of the interventions but may also include external stakeholders or direct participants. These interviews will be

semi-structured interviews, driven by the methodology questions identified earlier in this document, as well as the results of the CEA analysis.

5. DATA MANAGEMENT PLAN

The objective of this section is to provide detailed guidance towards CD’s policy and protocols when storing, coding, and reporting data collected or shared with any staff member. All staff members including permanent salaried staff, permanent/part-time consultants, and previous staff are bound to uphold these agreements as part of their employment agreement with CD as indicated in the employee handbook.

If any violations or accidental sharing of information that is not encrypted is mistakenly shared outside of CD. The staff member shall immediately notify the Chief Privacy Officer (Keith Ives, also Chief Executive Officer) and the appropriate notifications will be sent to the IRB, clients, and any study participant whose data has been compromised.

This handbook drawn from an array of resources around data management and data quality assurance mechanisms including:

Handbook for Safeguarding Sensitive Personally Identifiable Information. Department of Homeland Security, March 2012

Callahan, Mary Ellen. Handbook for Safeguarding Sensitive Personally Identifiable Information, Handbook for Safeguarding Sensitive Personally Identifiable Information § (2012).

“Research Protocols.” Innovations for Poverty Action, August 23, 2018. <https://www.poverty-action.org/researchers/research-resources/research-protocols>.

Chuang, Erica, Harrison Diamond Pollock, and Stephanie Wylstra. “Reproducible Research: Best Practices for Data and Code Management.” Innovations for Poverty Action. November 2015.

5.1 Data Quality

- Create inception plan before launching survey operations: The inception plan is an operational plan that covers timelines, staffing needs, logistics, and procurement for your survey, for all stages including questionnaire development, training, piloting, tracking, interviews, and quality assurance. Your inception plan must be in line with your budget(s); for example, you cannot survey more respondents in the BL than your budget estimated—without overspending during your EL.
- Create data quality assurance plan and materials before launch: The data quality assurance plan lays out in detail the requirements for back checks, high frequency checks, accompaniments, spot checks, and any other data quality assurance activities. The scope of the data quality assurance plan should not only include technical products, but also data flow, roles and responsibilities, reporting schedules, actionable items based on output, and incentive programs for the field team. It also includes your staffing needs, which may change over the course of the survey.

- Bench test survey (ideally at least 2 weeks in advance): Bench testing means testing your survey in the office with a minimum of three different testers. You will save time and money by making sure your survey works well BEFORE launching field data collection. Bench testing is an iterative process wherein testers run the survey in different scenarios and provide feedback, while the programmer(s) make changes; note that even small changes to a survey must go through the bench testing process again, as it is easy to make mistakes that affect other parts of the survey. This process works best if the "paper" survey is considered mostly complete and has already been reviewed by central decision-makers on the project.
- Pilot survey (ideally at least 1 week in advance): Every survey must be piloted prior to the beginning of the survey in communities outside your study sample. Your pilot should look as close to actual surveying as possible—you may even decide not to tell your field team it is a pilot. Ideally, every question that is included in the final survey should be piloted prior to launch. For surveys using Digital Data Collection, a pilot should include field testing of both the survey program and devices. Remember to leave time to make corrections to errors you identified during piloting.
- Accompany surveyors in first week of survey: Field supervisors must accompany a subset of field officers' interviews to monitor field officer performance and to check for survey issues. All field officers must be personally accompanied at least once during the first week of the survey. Accompaniments can be scaled down as the survey progresses, especially by leveraging digital supplements like audio recordings and meta-data.
- Implement and act on high frequency checks: High frequency checks provide insight into ongoing field team and data quality concerns before they become too entrenched or too late to manage. By running HFCs, you can regularly analyze (comparative) field officer performance, compliance with ethics requirements, response frequencies and outliers, duplicates, and other project-specific data quality issues. HFCs are meant to provide the evidence needed to successfully guide and manage a field team on a daily basis, and thus must be accompanied by strict guidance on roles and responsibilities, reporting schedules, and triggered actions (e.g. what outliers would trigger re-interviewing a household).
- Implement and act on back-checks: A back-check (also known as a field audit or re-interview) refers to when a highly qualified field officer (also known as a back-checker) visits a respondent a second time to re-administer a selection of questions from the original questionnaire. Those back-check responses are then compared to the original responses. An IPA generated code bcstats program can be used to identify discrepancies between answers, and thus to identify problems with the questionnaire, field team, or both. Your quality assurance plan should have included a back check randomization plan, as well as an action plan for what to do when you encounter discrepancies.
- Double enter & reconcile paper surveys: Although paper surveying is now uncommon, there are strict protocols for data entry from paper surveys. Each survey must be entered by two separate data entry operators who cannot compare responses. When there are discrepancies between their entries, they must be reconciled by a third data entry operator who looks at the original survey closely. In-house data entry can be replaced by online firms, which also provide double entry and allow for you to review discrepancies against the original survey responses.

5.2 Data Security & Research Ethics

If the IRB is used on your project:

- The Principal Investigator is responsible for maintaining IRB approval throughout project lifecycle (e.g. submissions, renewals, amendments, human subjects certificates): Any study conducting human subjects research must have the approval of at least one IRB; note that each project is different, so you should consult with your PIs and IRB Coordinator about how best to get IRB coverage for your project. A typical lifecycle includes approval of the initial research protocol, annual renewals, and amendments when critical items change, such as the questionnaire, staffing, research protocol, or risk level. All project staff, partners and investigators who can see encrypted PII must have up-to-date human subjects' certificates. Any deviation from the protocol, or any unexpected risk to respondents, must be reported as unexpected events to the IRB. Use Salesforce to keep track of all IRB approvals and upcoming renewal dates.
- Retire your project with all IRBs once the project is complete: Once your study is complete, you should retire or otherwise officially close out your IRB with all the reviewing IRBs. For the CD IRB, you should retire your study when (A) all study interventions and activities are complete, and (B) you are no longer actively, regularly working with identified data. Other IRB(s) may have slightly different standards or procedures, so you should check with your reviewing IRB administrator(s) where relevant as well.

Whether the IRB is used on your project or not:

- Create data security plan and set up encryption (using Whisp.ly to transfer between partners <https://whisp.ly/en?>) before launch: Respondents' confidential data should be encrypted **at all stages**, starting at the moment of data collection. This includes while it is on the data collection device, during wireless transmission, while on an external server (e.g., Kobo toolbox, Commcare, SurveyCTO, etc.), when it is on a cloud storage system (e.g., Google Drive or Dropbox), and while on laptops and removable media (hard drives, flash drives). Any time the data is stored on a server that is not controlled by CD; it must be separately encrypted so that the company that controls the server cannot access the data. You must plan beforehand how you will ensure encryption at each of these steps, and how it will be maintained after your project has been officially closed if you are retaining any PII. **If you are using any IRB any un-encrypted data is uploaded to the cloud or e-mailed, you must file an unexpected event report to your IRB(s) and comply with any ruling they make. If you are not using an IRB you should report this to the Chief Privacy Office of CD, Keith Ives.**
- Maintain data security plan (especially encryption) throughout project lifecycle: At every stage of the project lifecycle, data should be properly protected. Among other things, this means PII should remain encrypted during storage and transmission, and passwords should be restricted to the critical members of your research staff.
- Use new unique identifier (UID) in de-identified dataset: When you share or publish un-encrypted data, it must be de-identified, i.e. there must be no identifying information in the dataset, such as name or address, or a combination of variables that can be used to identify a respondent. You should also replace your original UID with a new unique identifier. You should do this at the end

stage of your project, when you have finished matching across waves or different data collection activities.

5.3 Knowledge Management & Transparency

- Back up data in at least two locations: There must be at least two copies of the data available at all times. During data collection, this will likely mean on a Kobo Toolbox/SurveyCTO/CommCare server, as well as on a laptop and synced to Google Drive; do not delete server data until it has fully synced to Google Drive as a protection from laptop theft. Post data collection, this could mean backing up your data on an external hard drive on the extremely rare chance that a major cloud service like Google Drive fails.
- Save ALL project files to and ONLY to Google Drive: CD project files must be stored in the My Drive\3_CD_Projects superstructure on Google Drive. This includes in particular: raw data files, final versions of questionnaires, back check questionnaires, survey manual, project log and survey notes, high frequency check files, analysis do-files, IRB documentation, and replication code.

5.4 Data Storing/ Sharing guidelines

The following bullets are intended for projects which are completed and are going to be stored long term on the Google Drive or any other survey.

5.4.1 Detailed Steps for Preparing Data and Code:

Remove PII: Check thoroughly for PII, and make sure to remove before sharing with the data repository team.

- All direct identifiers such as UIDs (social security numbers, bank account numbers, and so on) should be removed before storing or with the. Indirectly identifying data such as combinations of variables which could uniquely identify participants should also be considered carefully before storing or sharing data.

Include clear variable labels and code value labels:

- Make sure that variables are clearly labeled.
- If it is a variable collected directly from the questionnaires, indicate this with a question number. If it is constructed, either include the construction in the name or label, or if complex/lengthy, include additional information in notes.
- Ensure that value code labels are provided, as they are needed for interpreting the data.

Include code file(s) with headers/comments:

- **Headers:** Include header with name of person who last wrote/edited the code, date, and software used (package and version).
- **Comments:** Use comments in the code to indicate which tables are produced.

Prepare Readme files:

- Please indicate: 1) which files are included in what is shared; and, 2) how data and code files relate (i.e., what code runs on which data, to produce which outputs). We have a template for readme files that we are happy to share and is located on every project folder.

Include survey instruments:

- Ensure that you are sharing the final version used to collect the data.

5.4.2 Data Curation Steps That Data Repository Staff Will Complete

As the data repository team works on the dataset submitted, we will conduct the following three steps to ensure the quality of the materials that we share in our repository.

Confirming there is no PII shared in data or code files

- It is the responsibility of the original researcher (s) to ensure that PII is removed, and IRB protocols do not permit sharing PII with the data repository team. However, the Data repository Unit will double-check that PII is removed before sharing, because of the high level of importance of maintaining confidentiality of research participant’s information.

Examining data and code for usability:

- The data repository team will examine variable names and labels, value codes, and the statistical code. As a part of sharing high-quality data, we will attempt to fill in variable labels and/or notes in the dataset where we are able to glean further information from published tables or communication with researchers. Where there are a large number of unclear variables, we may ask the researcher(s) to improve the dataset before publishing.
- We will run the statistical code to ensure that it produces the published tables.

Checking and sharing related materials:

- Supplementary readme file: As we conduct our data curation steps, we will track and share information that will help site users understand the steps that we took, and what we found. We will confirm with the original researcher before sharing this file along with the data.
- Study-level metadata: We have created a custom template with fields that we will fill in from all studies.

5.4.3 Project Language for Quality Assurance and Control

The following plan outlines the activities and strategies that the research team intends to put in place to help ensure that the data collection for the IMPEL meets industry and sector standards and expectations. This includes assurance that the data reflect high levels of the following dimensions: validity, reliability, precision, integrity, and timeliness (USAID 2016). These efforts are then mapped onto the wider phases of the project to demonstrate when they are being implemented and at what level.

Table 1. Data quality assurance activities

Project Phases	Data Quality Assurance Activity	Quality Dimensions
Phase 1: Discovery and Design	Literature Review and Sector Assessment	Validity
	Indicator Mapping	Validity
	Questionnaire Designed to Promote Proper Response Coding	Integrity
Phase II: Collection	Integration of Data Collection Activities with Existing IMPEL staff capacity	Reliability/Integrity
	Develop Data Collection Protocols and enumerator training	Reliability
Phase III: Analysis	Preliminary Data Spot Checks	Integrity
	Enumeration team review and Feedback	Validity
Phase IV: Reporting	Scheduled Analysis and Reporting	Timeliness

Validity

The research team will work closely with IMPEL and BHA project staff to ensure that the indicators and research design are valid measures. This is primarily addressed through efforts leading up to the proposed design of research activities. In this case, the research team combines the following to ensure that the proposed indicators and methods are valid for the scope of the research:

- **Literature Review and Sector Assessment** of current thinking and practice focused both on wider academic and implementation-based publications and on IMPEL specific reports and projects related to measurement; and
- **Sector Experts** feedback and consultation is included into all phases of the BL.

Analysis created as a result of research efforts will undergo stakeholder review to further ensure that findings are interpreted correctly and account for contextual realities.

Reliability

The research team will also ensure that protocols are put in place to ensure consistency in data collection efforts. This includes the creation and implementation of training (if necessary), sampling, and data collection protocols, which undergo internal peer-review.

Precision

At the outset, the project will build on efforts to ensure data *validity* and utilize the literature review, desk research, and project documentation to comment on and revise our *analysis plan* that connects theories of change pathways to research objectives.

Integrity

Data integrity within the IMPEL Associate Award is delivered through specific systems and processes that manage data entry and safeguards to ensure proper data input.

The data input will rely on the following ecosystem:

- The questionnaire will be designed to provide clear instruction on *proper response coding*;
- Daily updates to our server will ensure proper data input by centralizing data input across data collectors; and
- The research team will conduct *spot checks on data* taken during the population survey.

Timeliness

In order to ensure data timeliness, the research team has created a project work plan to ensure that scheduled analysis quickly follows data collection in order to guarantee that relevant findings can inform project implementation decisions and strategy.

5.4.4 Quality Assurance

During the implementation of this research, our Team Lead, Reimar Macaranas, supported by CD’s Project Management Office, will use state-of-the-art enterprise resource planning software to manage the project timeline, budget, and resources, to ensure high-quality, on-time delivery of all work products. CD uses Intuit’s suite of programs, which integrates timesheets, accounting, staff availability, budgeting, and project management functions to provide integrated access to all information needed to effectively manage projects. Mr. Macaranas will adhere to CD’s policy that any changes to implementation plans, or timelines are immediately updated in this system, to ensure we can always provide a real-time estimate of the expected resources necessary to complete a task or project, including both staff time and budget.

CD also understands the paramount importance of QA/QC on all work products and technical deliverables, and of effective and frequent communication between the Team Lead and IMPEL. CD’s “no surprises” policy requires all project managers to keep clients regularly informed about progress, challenges, solutions, and concerns. IMPEL will therefore always be fully informed of all relevant activities and immediately consulted when guidance is needed. This policy ensures that the Causal Team and KWSH will be partners in critical decision making on, and problem resolution in, all matters.

5.4.5 Quality Control

Quality Control for all products will be managed by Mr. Reimar Macaranas. His academic training, years of leadership in research and evaluation, and role as Chief Operations Officer will be utilized to ensure all the Team’s products meet or exceed the expectations of IMPEL. Mr. Macaranas will also provide executive-level oversight and senior technical review of all project tasks and deliverables. He will ensure IMPEL has access to the Causal Team’s key technical personnel that can answer questions at any time. He will verify that CD’s rigorous Quality Control procedures are implemented and ensure that all deliverables submitted to IMPEL meet the highest quality standards and require minimal rounds of revision. These quality control systems will ensure that the Causal Team provides the highest possible quality services to IMPEL with minimal service disruption.

5.4.6 Data Processing and Procedures

Quantitative data will be collected using tablets and stored in a secure cloud-based server; analysis will be done using STATA. CD will manage team for doing the data clean up, data entry, data analysis and reporting.

5.4.7 Ethical Considerations

We will ensure that our team, including all enumerators and contractors working on the project, adhere to the ethical guidelines outlined in the American Evaluation Association's Guiding Principles for Evaluators. The Causal team has experience in preparing IRB protocols for evaluations. For many evaluations, we have successfully worked with Solutions IRB to obtain IRB clearances on domestic and international studies.

After recruiting household survey participants, we will obtain informed consent for each person to be interviewed. We will explain the purpose of the study, the topics of the interview/focus group, the person's rights as a participant, including that their responses will remain confidential, and that participation is voluntary. We will provide contact information for the study investigators and appropriate IRB(s) (if used). The data collectors will review the information to be collected. We will use plain language and translate into Khmer. Participants will provide oral consent. The Causal Team will work with IMPEL to obtain any necessary national or local IRB clearances as appropriate.

APPENDIX

Table 2. Maharo RFSA indicators list

BL #	Maharo RFSA Indicators	Relevant Modules
BL 6	Prevalence of moderate and severe food insecurity in the population, based on the Food Insecurity Experience Scale (FIES)	C
BL 10	Percent of households with poor, borderline, and adequate FCS	C
BL 3	Prevalence of wasted (WHZ <-2) children under 5 (0–59 months)	D
BL 4	Prevalence of stunted children (HAZ <-2) under 5 (0–59 months)	D
BL 5	Prevalence of healthy weight (WHZ < 2 and > -2) among children under 5 (0–59 months)	D
BL 12	Prevalence of children 6–23 months receiving a minimum acceptable diet (MAD)	D
BL 13	Prevalence of exclusive breastfeeding of children under 6 months of age	D
BL 14	Percent of children under age 5 who had diarrhea in the prior 2 weeks	D
BL 15	Percent of children under 5 years old with diarrhea treated with Oral Rehydration Therapy	D
BL 39	Prevalence of children 6–23 months consuming a diet of minimum diversity (MDD-C)	D
BL 7	Prevalence of underweight (BMI <18.5) women of reproductive age	E
BL 11	Percent of women of reproductive age consuming a diet of minimum diversity (RiA)	E
BL 20	Contraceptive Prevalence Rate (CPR)	E
BL 26	Percent of births receiving at least four antenatal care (ANC) visits during pregnancy	E
BL 36	Percent of women in a union who have knowledge of modern family planning methods that can be used to delay or avoid pregnancy	E
BL 37	Percent of women in a union who made decisions about modern family planning methods in the past 12 months	E
BL 16	Percent of households using basic drinking water services	F
BL 17	Percent of households with soap and water at a handwashing station on premises	F
BL 18	Percent of households in target areas practicing correct use of recommended household water treatment technologies	F
BL 19	Percent of households in target areas practicing open defecation	F
BL 27	Percent of households with access to a basic sanitation service	F

BL #	Maharo RFSA Indicators	Relevant Modules
BL 21	Percent of producers who have applied improved management practices or technologies	G
BL 22	Yield of targeted agricultural commodities within target areas	G
BL 29	Percent of farmers who used financial services (savings, agricultural credit, and/or agricultural insurance) in the past 12 months	G
BL 30	Percent of farmers who practiced the value chain interventions promoted by the activity in the past 12 months	G
BL 1	Prevalence of Poverty: Percent of people living on less than \$1.90/day	H
BL 2	Depth of Poverty of the Poor: Mean Percent shortfall of the poor relative to the \$1.90/day	H
BL 40	Daily per capita expenditures (as a proxy for income) in United States Government-assisted areas	H
BL 32	Percent of women and men in a union who earned cash in the past 12 months	J
BL 33	Percent of women in union and earning cash who report participation in decisions about the use of self-earned cash	J
BL 34	Percent of women in union and earning cash who report participation in decisions about the use of spouse/partner's self-earned cash	J
BL 35	Percent of men in union and earning cash who report spouse/partner participation in decisions about the use of self-earned cash	J
BL 41	Percent of women/men in a union who are members of a community group	K
BL 42	Percent of women/men in a union with access to credit	K
BL 43	Percent of women/men in a union who make decisions about credit	K
BL 8	Adaptive capacity index	R
BL 9	Absorptive capacity index	R
BL 23	Ability to recover from shocks and stresses index	R
BL 24	Percent of households that believe local government will respond effectively to future shocks and stresses	R
BL 25	Transformative capacity index	R
BL 38	Index of social capital at the household level	R
BL 31	Percent of households participating in group-based savings, micro-finance or lending programs	R/K

ANNEX D: DATA COLLECTION TOOL

Question	Answer
<i>Household identification and informed consent</i>	
Region	ATSIMO ANDREFANA
District	ANDROY
Commune	120-AMPANIHY-OUEST
	147-BELOHA
	211-TSIHOMBE
	507230-ANDROKA
	507310-ITAMPOLO
	507311-ANDROIPANO
	513010-BELOHA
	513030-TRANOVAHO
	513050-KOPOKY
	513070-MAROLINTA
	513091-TRANOROA
	513092-BEHABOBO
	513093-MAHAENEGNE
	513094-AMBATOTSIVALA
	514011-TSIHOMBE
	514012-NIKOLY
	514031-BETANTY-(FAUX-CAP)
	514032-ANJAMPALY
	514050-MAROVATO
	514071-ANTARITARIKA
	514072-IMONGY
	514073-BEHAZOMANGA
	514074-ANKILIVALO
	AGNALAMIHOATSE
	-513094821
	AMBATOTSIVALA
	-513091013
	AMBATOTSIVALA
	-513091013
	AMBINAGNY -513091014
	AMBINANITELO
	-513094822
	AMPAMATAMAHO
	-513092017
	AMPATY -513094824

ANDINGOLINGO
-513093003
ANDOMBIRY -513094825
ANKILIMARY -513093001
ANKILIVAHARE
-513093006
ANKOBAY -513094826
ANKORONGA -513093008
ANTAFIANTSOA
-513094827
ANTANAMIARY
-513093004
BEVONTAKE -513093007
SAKAVIRO CENTRE
-513094828
SAKAVIRO NORD
-513094829
SAKAVIRO SUD
-513094820
TANANTSOA -513093005
VATOARIVO -513094830
AMBALADODA
-507310043
AMBALATSIMIVIKY
-507310039
ANKAMENA I -507310040
ANKAMENA II -507310041
ANKILIAMBANY I
-507310045
ANKILIAMBANY II
-507310060
ANKILIBORY SUD
-507310038
BESELY SUD -507310046
BESONO -507311802
BETRATRATRA
-507310042
TSIANDRIONA SUD
-507310044
AGNAVIIVIMASY
-507230801
AMBOHIBOLA -507230017
AMBOLISARIKE
-507230018
AMBOROPOTSY
-507230803

AMPASY NORD
-507230004
AMPASY SUD -507230804
ANDROKA ELA
-507230012
ANDROKA VAO
-507230001
ANKILIBORY I -507270004
ANKILIBORY II
-507270006
ANKILIMIONJO-507230806

ANKOBAY -507230024
ANTSAKOA -507230008
BEAVOHA SUD
-507230019
BEFAMATA -507230810
BEHARAHAKE
-507230005
BEHEVA -507230807
BEHOMBE -507230808
BELAMBO -507230007
BEMANATEZA -507230809
EMINA -507230812
EVANGA -507230813
FANAMBOSA -507230814
KAIKARIVO -507230815
KALANGASA -507230802
KAOFALY -507230805
KILEMARE -507230818
KILILIGNISA -507230819
KILIMIRIMBO -507230013
LANIRANO -507230820
MAHATSANDRY NORD
-507230023
MAHATSANDRY SUD
-507230822
MALANGY -507230823
MANDEVE -507230821
MANERA -517292005
SODONA -507230025
TSIANKEVA HAUT
-507230009
TSIARINDRANO
-507230002
TSIMAFAITSE -507230011

ZAMASY -507230825
AGNALASOA -514032801
AMBARO ANTSEVA
-514032802
AMBAROBE -514032006
AMBAROBE II -514032804
AMBAROENE -514032803
AMBAROMALANGY
-514032806
AMBAROMANIRY
-514032807
AMBAROSOA -514032808
AMBAVATANY -514032011
AMBOGNEMBATO-514032809

AMBOLIRANO -514032810
AMPARY -514032009
AMPARY II -514032812
AMPASIMBE -514032813
AMPENGOKY -514032005
AMPIHA MIVOHATSE
-514032016
ANDAVAKIO -514032002
ANDAVAKIO TANANTSOA
-514032839
ANDAY -514032010
ANDROVASOA
-514032819
ANJAMPALY -514032001
ANKARA -514032004
ANKARANGOTAKY
-514032820
ANKATAMBOALAVO
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ANKAZOMBALALA
-514032017
ANKILIMIVOATSE
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ANKOBAY -519291008
ANKOROROKE
-514032823
ANTAKOKO -514032824
ANTAKOKO PIJOROA
-514032825
ANTANAMANJARY
-514032014

ANTANAMANOY
-514032826
ANTANANTSOA
-514032828
ANTANKILIVOATSE
-514032827
ANTENY AMBONAIVO
-514032020
ANTENY OUEST
-514032003
ANTENY OUESTII
-514032840
ANTSAKOAMALAGNY
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ANTSAKOAMANGA
-514032829
ANTSASAVY -514032018
ANTSEVAMAMY
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BEARA MAHASOA
-514032831
BEHODATSE -514032015
MAHABIBO -514032832
MAHATALAKY SUD
-514032833
MAROSARANA
-514032008
MAROTALANJO
-514032834

TESAVA MAROTALANJO
-514032835
TSARAMANDROSO
-514032836
TSIMENABE -514032837
TSITINDROKA -514032013
TSITINDROKA II
-514032838
AMBATOMANOY
-514011002
AMBATOSAROTSE
-514074802
ANAVIAVY AMBANY
-514074804
ANDEO -514074805

ANDRANOMASY
AMPIHAMY -514074807
ANDRANOMASY CENTRE
-514074808
ANKILIVALO SUD
-514011005
ANKILIVALO SUDI
-514074812
ANKILIVALO SUDTANAMBAO
-514074810
ANKOMBAIMASY
-514074813
ANONOKA -514074814
ANTALIABO -514074815
BEFOTAKE CENTRE
-514011007
BEFOTAKE I -514074817
EROMBAZY -514011011
EROMBAZY I -514074818
MAGNORIKANDRO-514011003

MAGNORIKANDRO
ANAVIAVY -514074819
NAMOTAHA I -514011014
NAMOTAHA NORD
-514074820
TOMILY CENTRE
-514074821
TOMILY SIHA -514074822
TSIBOANTSOA
-514011004
TSIBOANTSOA
AMPENGOKE -514074803
TSIBOANTSOA
ANKAZONTA -514074824
TSIBOANTSOA ANTANAMIARY
-514074826
TSIBOANTSOA BELILY
-514074823
TSIBOANTSOA CENTRE
-514074827
TSIBOANTSOA II
-514074825
TSIHEREKE -514074828
VELONTSOA -514074829

AFOTSIFALE DORISA
-514071036
AFOTSIFALY EST
-514071018
AFOTSIFALY MIRAY
-514071026
AMBAROMANOY
-514071038

AMBAROMIDADA
-514071037
AMBOHITSE -514071023
AMBOHITSE II -514071033
AMBOHITSE MAHASOA
-514071039
AMBONAIVO -514071803
AMBORY ANTRAGNOBE
-514071040
AMPIMAMY -514071028
ANAKANIMO -514071011
ANALABE -514071029
ANARAMANINTSY
-514071042
ANDAMOTY -514071043
ANDRAKETALAHY-514071010

ANDRANOPOLY
-514071020
ANDROVAMARE
-514071007
ANDROVAMARE EST
-514071805
ANDROVASOA
-514071031
ANJAMARO -514071801
ANJIRA -514071006
ANKARA AMPIHAMY
-514071807
ANKARAGNABO
-514071030
ANKILETOKA SUD
-514071804
ANKILIMIARY I
-514071809
ANKILIMIARY II
-514071034

ANKILIMIKAIKY
-514071004
ANKORITSIKA -514071027
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ANTANAMALANGY
-514071045
ANTARITARIKA NORD
-514071812
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-514071002
ANTSAKOAMANGA HAUT
-514071035
BAIBO TAOLAGNOSE
-514071046
BEARA AMBONY
-514071047
BEHEVOTSE I -514071048
BEMOZOTSE II
-514071049
BEMOZOTSE III
-514071814
BEMOZOTSY -514071009
BETSIPORITSE BAS
-514071022
BETSIPORITSY HAUT
-514071815
BETSIPOROTSEMAROHO -514071817

BETSIPOROTSE
TANANDAVA -514071816
EFOLY ANKILEMANARA
-514071050
FANARANO -514071012
IFOLY ANKILIMANARA
-514071052
IFOLY III -514071818
IHODO ANIMO
-514071053
IHODO BEKOBAY
-514071819
MAROAF0 AVARADROVA
-514071054
MAROAF0 BELAZA
-514071055
MAROAF0 CENTRE
-514071056

SAKAENA -514071813
SOMANGY TOERANTSOA
-514071057
TALAKY AMBATOABO
-514071058
TALAKY AMBOANGY
-514071059
TALAKY BAS -514071025
TALAKY HAUT
-514071024
TANAMBAO -514071061
TSARATANANA
-514071062
TSIANOHA IHODO
-514071003
TSIANOHA IHODOII
-514071063
AGNALOALO -513092801
AMBATOBÉ SAKARATY
-513092802
AMPAMATALEFO
-513092020
AMPANAGNIRA
-513092021
ANALALAVA -513092005
ANDRANOLAVA
-513092008
ANDRANOTSIKIOE
-513092013
ANDRANOZA -513092012
ANIVORANO -513092011
ANTANIMENA -513092022
BEHABOBO -513092001
BEHABOBO/NORD
-513092018
BEHABOBO/SUD
-513092023
BEMENA -513092019
GOGOY -513092804
GOGOY CENTRE
-513092805
MAROBASIA NORD
-513092006
MAROBASIA SUD
-513092009
MAROHERY -513092014

NAGNANIHA -513092015
SAKARATY -513092016
SAKOANTSOA
-513092010
SIHANADROTSY
-513092003
AGNANAKEFETSE
-514073801
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AMBATOPILAKE
-514073002
AMBONAIVO II
-514073802
ANABOVO BESOLOHOTSE
-514073806
ANABOVO CENTRE
-514073807
ANABOVO ESTII
-514073004
ANABOVO K Aidambo
-514073804
ANABOVO NORD
-514073013
ANABOVO OUEST
-514073808
ANABOVO SUD
-514073809
ANDRAVOLA
BEHAZOLAVA -514073803
ANJANTSAMPA
-514011018
ANJATOKA -514073810
ANJATOKA TANAMBAO-514073007

ANKILIEFATRA
-514073812
BAVARO ANTSASAVISOA
-514073813
BEHAZOMANGA
ANKAMENA -514073811
BEHAZOMANGA I
-514073009
BESOLOHOTSE
-514073816
BETSAKO -514073817
BEVARO AMA -514073821

BEVARO AMBANEKILE
-514073822
BEVARO ANKISATSE
-514073818
BEVARO I -514073011
BEVARO II -514073012
BEVARO III -514073820
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-514011046
MORAFENO -514073823
TAMONTO AMBOGNAIVO
-514073824
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-514073826
TAMONTOBE AMBAROTELO
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TEVARE ERADA
-514073827
TEVARE SENORO
-514073828
TEZA AMBAROVAO
-514073831
TEZA ANKILEFATRA
-514073814
TEZA ANKILITELO
-514073833
TEZA ANKILY -514073829
TEZA ANTANEMIRA
-514073834
TEZA BEATRATRA
-514073835
TEZA BENONOKE
-514073837
TEZA MAROFOTY
-514073830
TEZA MAROLAVA-514073838

VARAMBANE MAROFANE
-514073018
AGNENA -513010074
AMBANISARIKE
-513010803
AMBAROMASY
BEIEVOTSE -513010825
AMBAROMASY
LAMPVAHO -513010089

AMBOHIVOLA CENTRE
-513010090
AMBORONEOKY 1
-513010070
AMBORONEOKY II
-513010071
AMPATIOLOBE
-513010091
AMPATIOLOBE EBASY
-513010081
AMPATIOLOBE KILEMASY
-513010809
AMPATIOLOMASAY
AMBONY -513010083
AMPATIOLOMASAY
CENTRE -513010082
ANDAVAHELOKE
-513010092
ANDEMPO MAROFOTY
-513010811
ANDOMBIRY -513010037
ANDOVOKE -513010817
ANDOVOTSIFEFY
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ANDRAMBORO
-513010017
ANDRANOHAZONAILY
-513010015
ANDRANOLAVA
-513010839
ANDRIAMAMERIARIVO I
-513010016
ANDRIAMAMERIARIVO II
-513010087
ANGOBIGOBY
-513010023
ANKAZOMAGNITSE
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ANKILEBEHARA II-513010848

ANKILEBEMALANGY
MAHASOA -513010847
ANKILEBEY FONDRALAMBO
-513010814
ANKILEMALANGY
-513010068

ANKILEMIARY CENTRE
-513010813
ANKILEMIARY RIDAKY
-513010831
ANKILEMIARY SUD-513010833
ANKILETELO ZAMBE
-513010067
ANKILEVOATSE
-513010823
ANKININY -513010063
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-513010032
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ANTREAKY -513010075
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-518130005
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-513010069
ANTSANIRIA -513010011
ATSIMONDROVA
-513010035
BELOHA NORD
-513010001
BELOHA SUD -513010033
BEMONTO BEVAROPATIA
-513010029
HATAKATAHE ANJAPOHY
-513010012
KARENA MANDROSO
-513010818
KIRIMOSA -513010019
KIRIMOSA SUD
-513010078
KIRIMOSA TANAMANDROSO
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LAVAHELOKE -513010086
LOMARA -513010064
MAROARE -513010802
MAROLAVA NORD
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MAROLAVA NORDI
-513010009

MAROLAVA NORDII
-513010853
MASINA ANTSIMONDROVA
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NAMANDRIHA
AMPARITANE -513010815
NIFANITSE -513010065
RIJA -513010804
SAMPEZA -513010837
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-513010022
SIHANABOAY TSITONTAII
-513010843
SIHANADALY I
-513010027
SIHANADALY
MAHAVOTSE -513010806
SIHANADALY TANAMBAO
-513010805
SIHANAKAPAHA
-513050007
TARAJA -513010085
TIRIMBY -513010021
TIRIMBY EST -513010846
TIRIMBY NORD
-513010084
TLIHITSE -513010079
VARAMBAMAHA
-513010072
VAZOA AMPANY
-513010844
VOHITANY -518290007
ZAMBE BELOHA
-513010030
ZAMBE CENTRE
-513010841
ZAMBE NIFANITSE
-513010850
AMANDA II -514031004
AMBATA CENTRE
-514031802
AMBINDA MANDROSO
-514031803
AMBORY ANDRAKETALAHY-514031005

AMBOVOTOKA CENTRE
-514031804
ANALOALO -514031801
ANDRIAMAGNAVO
-514031805
ANJA CENTRE
-514031806
ANJA HAUT -514031013
ANKAZOARA FAHARAZA
-514031808
ANKAZOMANGA
-514031809
ANKILIMIARY -514031011
ANKILIMIVORY
-514031014
ANKILY -514031810
ANOVY SUD -514031012
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ANTAVY NORD
-514031003
ANTRONGATSY
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BEHIRATSE -514031812
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-514031813
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BETANTY (FAUXCAP
CENTRE)-514031001
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IVOLA -514031815
MALIOLAGNITSE
-514031816
MIARY CENTRE
-514031022
MIARY MIVOATSE
-514031817

MITIRY CENTRE
-514031818
MONTONDAVA-514031819

MORAFENO -514031008
NANARENA CENTRE
-514031820
NANERENA SUD
-514031007
TANANDAVA -514031023
TSIMIAMBANY
BEHIRATSE -514031024
TSIRERA -514031821
VOHIBE -514031822
ZAMBHEY -514031026
AMBANEMOZOTSE
-514072019
AMBARO NORD
-514072020
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-514072018
AMBAROMANIRY
-514072021
AMBAROSOA -514072022
AMBAROVHASINA
-514072023
AMBATOSAROTSE
-514072024
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-514072012
AMBATOVATO EST
-514072025
AMBATOVATO MAKIFAHA
-514072013
AMBOHIMAHASOA
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AMBONAIVO ANKILEBE
-514072026
AMBONAIVO CENTRAL
-514072027
AMBONAIVO NORD
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AMPAMATABO
-514072803
AMPELATELO -514072804

AMPIHAMY TSILAVONDRIVOTSE
-514072028
ANALAI SOKE -514072029
ANALAKALAGNE
-514072030
ANDAMONTY CENTRE-514072031

ANDAMOTY -514072016
ANDRAMIRAVA CENTRE
-514072009
ANDRAMIRAVA II
-514072010
ANDRAMIRAVA
TSIANOHA -514072008
ANDRANOMASY II
-514072032
ANDRANOPOLY CENTRE
-514072033
ANDREMONTY
-514072036
ANKAFOTIA -514072038
ANKAZOTA TANAMBAO
-514072039
ANKILEBEMASY
-514072040
ANKILEROA -514072806
ANKILIBE NORD
-514072002
ANKILIBE SUD
-514072041
ANKILIBEMARE
-514072042
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-514072812
ANKILITOKA NORD
-514072043
ANKILMALANGY
-514072014
ANKINTSY -514072807
ANKORITSIKE -514072047
ANTAKOKO -514072048
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-514072049
ANTSADRAHA
SAKAMASY -514072050

ANTSAKOAMANGA
AMBONY -514072051
ANTSAKOAMANGA BAS
-514072005
ANTSAKOAMANGA
CENTRE -514072015
ANTSAKOAMBEHOMA
-514072052
ANTSASAVIMASY-514072053

ANTSIVORA CENTRE
-514072808
BAIBO TAOLANOSY
-514072055
BEMOSESY CENTRE
-514072056
BESAKOA -514072057
BESIFAKE MORAMELOKE
-514072058
FEKONY -514072007
FEKONY SIHANADAVA
-514072059
IMONGY CENTRE
-514072046
IMONGY I -514072011
IMONGY IIREBEKE
-514072060
MAFANDRE -514072061
MAKIFAHA -514072809
MAROBE -514072006
MAROFOHY CENTRAL
-514072062
MAROFOTY NORD
-514072063
MAROZA SAKAMASY
-514072064
SOMARA -514072065
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TOMILY LIFIKAFO
-514072811
TSIANOHA III -514072067
TSIMAGNERA -514072068
AMBALABE BEAVOHA
-507310027
AMPITANAKE -507310023

ANDRANOMASINTSOA
-507310801
ANDRANOVAO-507310016
ANJA BELITSAKE
-507310010
ANJA NAMAKIA
-507310802
ANKAZOABO -518130009
ANKILIBORY NORD
-507310003
ANKILITELO I -517350008
ANKILITELO II -507230028
ANKIRIRISA -507310803
ANKITEKITEKE
-507310019
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-507310804
BEMANATEZA -507310015
BESASAVY NORD
-507310013
BESASAVY SUD
-507310026
BEVALA MAHASOA
-507310805
ITAMPOLO I -507310001
ITAMPOLO II -507230026
KAIKARIVO NORD
-507310005
LAVASY -507310806
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-507310020
MAROLINTA -507310807
NANOHOFA -507310012
SAKARIAKE -507310031
TANAMBAO MAHAVELO
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TANINDRANTO
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TARIBOLY -507310809
TONGAENORO
-507310810
TSIANDRIONA NORD
-507310028
VOMBE -507310014
VOROJA -507310021
ZOENARIVO -507310024

ABORANO -513050801
ADRASEMBA -513050029
ADRASEMBA
ANKILEMARO -513050802
AFONDRAVOATSE NORD
-513050011
AFONDRAVOATSE SUD
-513050020
AMBOHIMAGNARE
-513050023
AMBOLONAKANGA
-513050026
AMBOVO ANKILEMAMY
-513050803
AMOKANIGARA-513050804

AMPANGIDRATY I
-513050006
AMPANGIDRATY II
-513050041
AMPANGIDRATY NORD
-513050042
AMPILOFILO -513050008
ANANAJA -513050028
ANANAKIRIHITSE -513050038
ANDOHANOSY
-513050805
ANDRANOHAZOKILY
-513050806
ANJA -513050807
ANJAMPOTY NORD
-513050033
ANJANDAVO I -513050043
ANJANDAVO II
-513050044
ANJAPOTY -513050014
ANJATOVO -513050035
ANKAMBOA -513050034
ANKILEMASY -513050808
ANKILETOMOTSE
-513050047
ANKILEVOANGY
-513050003
ANKILIAMBO -513050037
ANKILISOA -513050811
ANKILY SUD -513050812

ANTSAKOATSOA
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ANTSETA NORD
-513050027
BEBALHAZO -513050032
BEBALHAZO ANJAGNE
-513050813
BEFAHITSY -513050004
BETIOKY -513050814
BETREKE -513050815
BETSAKO -513050024
BEVOLOMBITY
-513050017
BEVOLOMBITY SUD
-513050031
EFIFY -513050040
KILETELO -513050816
KOBOKARA -513050045
MAROFANOGNE
-516011037
TAMBANIFATY
-513050030
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-513050019
TAMBANIVARO
AVARATRA -513050018
TAMONTO I -513050005
TAMONTO II -513050002
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-513050818
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-513050049
TAMONTO POTY SUD
-513050050
TANANDAVA -518210019
TEDREATSE EST
-513050819
TEDREATSE NORD
-513050821
TEDREATSE SUD
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TEDREATSY -513050021
TEZA -513050022

TEZA AMBAROSOA
-513050820
TSINAHA -513050001
TSINAHA KOPOKY
-513050051
TSINAHA TRATRAVAKY
-513050012
VAREMARO -513050039
AGNANAKENGETSE
-513010045
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ANKARENA -513093804
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ANTALY II -513010049
ANTSAGNIRA -513010047
ANTSAKOAMENARAVE-513093806

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-513093809
BEHOROFANA -513093810
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-513010005
BELEMBOKE -513093811
BESAKOA -513010043
BESOMOTSE MAHENY
-513010003
EDORA -513093812
MAGNORIKE AMBORY
-513093813
MANDRIBATY ANDRAKEA
-513093814
MAROLAVA ANDREFANA
-513010004
ROROHA -513093820
TANANTSOA -513010040

TEFOTOTSE ANDRAKEA
-513093816
TEFOTOTSE ANDRAMBALEI
-513010010
TEFOTOTSE ANDRAMBALEII
-513010042
TEHODO RIAMBE
-513010008
TEHODO RIAMBEII
-513093815
TEVAMENA I -513093805
TEVAMENA II -513093819
VONDROTE -513010002
ABOLAZA -513070018
ABOLAZA AMBAROTELO
-513070801
AFONDRALAMBO
MAHAVELO -513070010
AMBALAMANASY
-513070025
AMBAZOATIVOKÉ SUD
-513070802
AMBORIGNABO-513070008
AMPOTAKY -513070804
ANDOVOKE -513070026
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ANJEDAVA ANGNALASOA
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ANKILEROMOTSE
MIVOATSE -513070810
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-513070812
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ANKILIMIVORY
ANKILISOA -513070809
ANKILIMIVORY MAROMAINTE
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ANKILISOA -513070014

ANTSAKOAMIDEGA
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BEAVOHA BEHARAHAKE
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BEJAVO -513070818
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KAMBO KILIABOMAHASOA
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-513070015
LOVOKARIVO -513070027
MAHABO -513070021
MAHABO TSIAKATSE
-513070823
MAHAFALY -513070001
MAHAFALY II -513070824
MAHAFALY SUD
-513070825
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MALEBITSY -513070009
MANINTSY -513070826
MAROJELA -513070004
MENDORAVY -513070022
MIKAIKARIVO -513070005
REBOBOKY -513070819
SAKOATSIOTA
-513070827
SAKOATSIOTA BEOUEST-513070828

SASAVISOA -513070013
TAMBALA KAREMBOLA
-513070011
TAMBOVO -513070803
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TANALAVE BE -513070007
TANANDAVA
MAROKAMBA -513070830
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TESOMANGY -513070006
TANANTSOA -513070831
TANEMENA -513070032
TATIMO -513070020
TESOMANGY MAROBE
-513070832
TSILANGY -513070024

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AMBANIFATY -514050006
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AMBY OUEST -514050806
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ANDRARAKA -514050023
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ANKOROROKE
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-514050813
ANTSAKOAMASY
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ANTSETA I -514050033

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BEFEHA -514050017
BELITSAKY -514050009
BELITSAKY ANKILY
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BELITSAKY KINONO
-514050036
BEMAGNENDRAKY
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BEMERE ANIVONTANY
-514050818
BETSINGIVY I -514050836
BETSINGIVY II
-514050819
BEVALA -514050018
BEVARO BESENA
-514050037
BEZA -514050038
KATRAVITRA -514050039
KATRAVITRA CENTRE -514050821
MAEVATANANA SUD
-514050040
MAROBE -514050823
MAROLAVA -514050005
MAROLAVA SUD
-514050041
MAROTREKA -514050824
MAROVATO CENTRE
-514050825
MAROVATO NORD
-514050042
MIONJONA -514050014
MOTOFOE -514050826
SORAMENA -514050008
TANAMARE -514050829
TANAMBAO EFOLY
-514050043
TANANDAVA SUD
-514050022
TEFOTOTSE
TANANDROE -514050830
TRAMBA BEAVOHA
-514050831
TSIDIRY -514050044

TSINAVA AVARATRA
-514050045
TSINAVA SUD -514050832
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-514050833
TSITANDRE AMBONY
-514050834
VOHIBE -514050835
AMBASIA CENTRE
-514012801
AMBASIA II -514012038
AMBOVOTOKA
-514012039
AMPILOFILO -514012040
AMPOZIBE -514012802
ANANAKIRIHITSE
CENTRE -514012043
ANANAKIRIHITSE I
-514012803
ANATSOSA CENTRE
-514012015
ANATSOSA MAROMAINTY
-514012016
ANDAGOA SUD
-514012047
ANJA TANAMBAO
-514012024
ANJA TANAMBAOI
-514012806
ANKATSAKALA
-514012807
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-514012048
ANKILILIRY ANKILEMASY
-514012809
ANKILIMIGAHY
-514012042
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-514012049
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BEHASY -514012022
BEHASY AMPIHAMY -514012811
BEHASY ANATOMASY
-514012814

BEHASY ANKILETELO
-514012815
BEHASY CENTRE
-514012812
BERENE -514012816
BERONONO -514012044
FIRAMBAGNA -514012036
KATAMPOLY TANAMBAO
-514012818
LAMBOVOLA -514012045
MARAKALO ANDRANOMAINTY
-514012819
MARAKALO OUEST
-514012013
MARAKALO SIHANADAMPY
-514012010
MARAKALO SUD
-514012017
MARAKALO ZANAVO
-514012820
MAROAKALO EST
-514012057
NAMOIA -514012014
SARELAGNITSE
-514012056
SIVORA AGNADILY
-514012058
TAMONTO ANKAMENA
-514012825
TAMONTO ANKILIMASY
-514012826
TAMONTO NORD
-514012011
TAMONTO SUD
-514012018
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AMPIHAMY -514012828
TAMPOTOTRE ANDROVAELA
-514012829
TAMPOTOTRE OUEST
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TAMPOTOTSE MAROMAINTYII
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-514012023
TAMPOTOTSE SUD
-514012025
TEHODO -514012838
TSIAGNAFO -514012839
AMBATOMASINA
-513091801
AMBONDROMIFEHE
-513091802
AMPASIMAY -513091803
AMPOTOBATO
-513091030
ANDAMILAMY -513091019
ANDOHAMBOSY
-513091029
ANDOHAVOVO
-513091036
ANDOVOTROATSE
-513091804
ANDRANOHERIKA
-513091009
ANDRANOTSIKIO
TANANTSOA -513091805
ANKAMENA -513091043
ANKARAMANOY
-513091003
ANKARENA -513091807
ANKILIAGNANO
-513091041

ANKILIMIHAMY-513091808

ANKILIROA KIJAF0
-513091035

ANTARALAVA -519270002

ANTSAKOAMITONDRITSE
-513091809

ANTSIFITSY -518010007

ANTSOLO -513091040

ANTSOLO SEVOHITSE
-513091810

BELAZA ANKILIABO
-513091034

BEREHA -513091812

BESAKOA -513091813

BOBOKA MAHASIRA
-513091044

BOBOKE MAROFANE
-513091020

FENOARIVO -513091046

JONTANY -513091002

KEREMBOLA ANKILEGNANO
-513091022

KEREMBOLA I
-513091023

KOBOARY -513091005

KOBOARY AMBATOMASY
-513091815

KOBOARY TANAMBAO
-513091816

MAHASIRA -513091021

MANGOROROKY
-513091817

MAROFIA -513091818

MAROFIVIKY -513091819

MAROMASO I -513091037

MARORAZA TRANOROA
-513091001

MORAFENO -513091820

MORAFENO BEGO
-513091045

RERANGO -513091010

RERANGO ANALALAVA
-513091032

SORONAMPELA
-513091025

TAMOTOMBEY
-513091038
TANAMBAO -513091031
TAOLANAMPELA-513091033

TSIRIBOA -513091823
TSOTSO -513091006
TSOTSO AMBONY
-513091824
TSOTSO ATIGNANA
-513091825
VOHIBOLA -513091007
VOHIBY -513091004
AGNIRIMIHAMBA II
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AGNIRINIHAMBA I
-513030003
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-513030028
AMBALANOSY ANDARO
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AMBAROMAHASOA
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AMBATOMASY
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AMBAZOAMILOLOKE
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AMBORIMAHASOA
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AMBORONEOKE ANTSAKOANTSOA
-513030804
AMBOVO -513030805
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ANGIRAZATO -513030009
ANKABOA -513030011
ANKABOAMAROROKE
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ANKARA -513030806
ANKATRAFAY -513030807
ANKILILIRY -513030808
ANKILIMIZARA
-513030809

ANKILISINAO -513030007
ANKILISINAO AMPAMATA
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ANKILITOKA -513030811
ANKILIVALO -513030042
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ANTAOLA -513030813
ANTSAKOAMALANGY
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BARABAY -513030001
BEFAMATA -513030016
BENATO -513030006
BENONOKE ANKILITELO
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BETAIMBOLO -513030018
BETINDRIA -513030033
BEVOAY MAHASOA
-513030816

EVANY -513030817
LAPARORO -513030004
LAVANONO -513030021
LAVANONO MAROFOHE
-513030819

MAHAHEVY -513030030
MAROFOTY ANKATSO
-513030822

MAROKIPA -513030029
MASOMBAHO -513030002
MASOMBAHO SUD
-513030826

NATOMASY -513030008
NATOMASY II -513030828
NIFONDRA -513030038
SAKADO -513030040

SARERIAKE -513030026
SOAMAGNITSE I
-513030023

SOAMAGNITSE II
-513030022

SOAMAGNITSE
IIMAROKELY -513030829

TAINAKANGA -513030034
TOMBOINABO
-513030039

TRAMBA -513030015

TRAMBA MAROFOHY
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TRANOVAHO -513030013
TRANOVAHO TAMBAHE
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TSIONGY MAHASOA
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AGNARA -514011009
AGNAVOHA -514011830
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-514011835
AMBATOBE ANKILY
-514011017
AMBATOBE SUDII
-514011836
AMBATOLAHY TSIDAMBO
-514011810
AMBATOMPILAKY
ANKILEMASY -514011824
AMBONDRO OUEST
-514011815
AMBORONGO -514011818
AMBOVO -514011033
ANDRANO SINIKE
-514011820
ANDRANOSOA
-514011817
ANJADO SIVEY
-514011058
ANKAHIDAMBO - 514011834
ANKILILIRE -514011834
ANKARA MAROFOTY
-514011054
ANKARANDOHA
-514011833
ANKASY AGNALASOA
-514011811
ANKILEMAMY -514011819
ANKILEMASY -514011827
ANKILILIRY -514011032
ANKORAKOSY
-514011047

ANTSAKOANTSOA
-514011812
BEAVOHA NORD
-514011030
BEAVOHA SUD
-514011806
BEAVOHA TANAMBAO
-514011035
BELEMBOKA CENTRE
-514011015
BELEMBOKE -514011016
BELEMBOKE CENTREII-514011060

BESARA -514011048
BEVAZAVO CENTRE
-514011061
MANENDRO ALAMENA
-514011053
MAROHARIVA MOKAVAO
-514011822
MAROHIRA MAROLAHATSE
-514011062
MAROHIRA NORDI
-514011057
MAROHIRA SUD
-514011038
MAROLATSE CENTRAL
-514011064
MAROTANA -514011026
SAKAMASY -514011025
SAKAMASYI -514011066
SAREAGNONDRYI
-514011067
SIHANAMENA
ANJAMARO -514011831
SIHANAMENA MAROBAY
-514011028
SIHANAMENA MAROBEYI
-514011809
SIHANAMENA
MAROFOHY -514011029
SIHANAMENA
MAROFOTY -514011823
SIHANAMENA MAROLAVAEST
-514011027

SIHANAMENA MAROLAVAOUEST
-514011021
SIHANAMENA MAROLAVASUD
-514011068
SIHANAMENA ZINARA
-514011825
TAIVO -514011020
TAMBANDITSE -514011070
ANKARANDOHA
-514011070
TAMBANDITSE TSIEVAENANAKE
-514011816
TANAMBAO -514011813
TESINGO AMBANENONOKE
-514011052
TESINGO ANALAMISANDRATSE-
514011071
TESINGO ANALAMISANDRATSEII
-514011072
TESINGO MAROFOHE
-514012029
TESINGO MAROFOTY
-514011073
TESINGO NORD
-514011074
TESINGO SUD
-514011075
TESOGNO SUD
-514011829
TEVATRA AGNINAKE
-514011056
TEVORO -514011019
TSIABIJA MIRAY
-514011055
TSIDAMBO -514011814
TSIDAMBO BESARAAVARADRANO
-514011036
TSIHOMBE ANTSIMONDRANO
-514011807
TSIHOMBE AVARADROVA
-514011024
TSIHOMBE CENTRE
-514011001
TSIHOMBE FOTOTRA
-514011802
TSIHOMBE I -514011022

	TSIHOMBE IANTSIMONDRANO -514011808
	TSIHOMBE II -514011023
	ZAFINDRAVALA -514011037
Household number	<i>text</i>
What is the name of the household/primary contact on the household list?	<i>text</i>
Enumerator's Name	Sambo Salohy Elinah Toera Patricia Laza Braundon Joseline Judith Sylvana Nathalie Herizo Pascal Dina Raymond Chantal Rado Abelin Fidelis Jacky Alice Masitata Aromisaina Bruno Francoise Delly Severin Durando Marina Larissa Josee Danie Fano Hery Voahangy Liva Hugues Yvon Jocelyne Dina Rikki Vicky Nivo

Supervisor/Team Lead

Rija
Marie Georgette
Lenia
Soatiana
Fenohasina
Serge
Jenny
Mbola
Willy David
Noro
Aina Ella
Marie Francoise

Adrien
Njaka
Andry Mialison
Rinah Prisca
Andry Victor
Nathalie
Hasintsalama
Jose
Ndriana
Regina
Mahafantatsy
Patrick Rajaoba
Sandy Tahiry
Jean Patric
Setra Notiavina
Miharintsoa
Rindra
Faniry Notiavina
Mirana
Zo Antenaina
Lino
Tsilavo
Fanja
Yves
Noelijaona
Lydia
Fitahiana
Harivola
Angela
Estelle

Household Identification information

Hello, my name is [ENUMERATOR]. I am working with Consultant Associates in Madagascar on behalf of CD, a US company that does research on programs that support communities in Madagascar. We are speaking with households in your area to learn more about how families and communities support themselves and respond to challenges. Your household was selected to be interviewed to learn how you have been affected by different challenges and how your family responded to them. Households like yours were selected because they live in an area where Catholic Relief Services, CRS, is delivering the Maharo program and its activities.

Explanation of ProceduresThe interview may take up between one and two hours to finish. We will ask to interview different members of your household. We will ask many things about your daily life in the survey and hope that none of the questions make you or your family members uncomfortable. If I ask you any questions you or your family members don't want to answer, let me know and I will go on to the next question. You can also stop the interview at any time. If you decide not to participate in this survey or if you withdraw from participating at any time, you will not be punished in any way. Your privacy is important to us. We hope you will agree to answer the questions since your views and experiences are important. Choosing to participate will not do anything to change the services and support you receive from the Maharo program.

RisksThere is little risk to you and your household for sharing your experiences. We have taken care to protect you and your household against the COVID-19 virus. We will wear masks during the interview and maintain a 2-meter distance from you and the people in your household. We will be weighing children during this survey and to make sure that we keep you and your household safe we have cleaned the scales, washed our hands with disinfectant, and we will still have our masks on. Your responses will help organizations like CRS better understand how to improve programs and provide support in the future.

BenefitsThere is no direct benefit to your household for sharing your experiences. Your responses will help organizations like CRS better understand how to improve programs and provide support in the future. At the end of the interview, we will provide a small gift, a small packet of

Yes
No

soap, for your participation. Confidentiality If you agree to participate, the information will be entered into a database that will be used to understand how people in your community live their lives and do daily activities. Some of the information you provide will be available on a public website that researchers and others will be able to access, but all personal information will be kept confidential and not made public. There will be no audio or video recording of this interview. We will ask you for personal information now to make sure that we can visit you at the end of the project about 5 years from now to ask you the same types of questions but will remove all personal identifying information after we have finished collecting your responses at the end of the research. Any data attached to your personal information will be stored in a password protected electronic format. Questions Do you have any questions about the survey or what I have said? If in the future you have any questions regarding the survey or the interview, or concerns or complaints, we welcome you to contact Consultant Associates or CD. You can reach us at info@causaldesign.com or (720) 260-4837. If you have questions about your rights as a research participant, or concerns or complaints about the research, you may contact the Solutions IRB at (855) 226-4472. This organization is based in the United States. Regular hours for Solutions IRB are 8:00 a.m. to 5:00 p.m. CT, Monday through Friday. You can also email them at participants@solutionsirb.com We will leave a copy of this statement and our organization's complete contact information with you so that you may contact us at any time. Do you agree to participate in the survey?

Now I would like to ask you some questions about the people who live in this household. Let me tell you a little bit about what we mean by “household.” For our purposes today, members of a household are adults or children that live together and eat from the “same pot.” It should include anyone who has lived in your house for 6 of the last 12 months, but it does not include anyone who lives here but eats separately. Please tell me the name and sex of each person who lives here, starting with the head of the household. Please include all small children and newly born infants.

How many people are in your household?

Number

begin repeat

So there are [B01B] in your household correct?

Yes

No

Now, please tell me the name and some information about each member of your household.

Name

Text

Relationship to head of household

HEAD OF HOUSEHOLD
 SPOUSE OR PARTNER
 CHILD
 SON-IN-LAW OR DAUGHTER-IN-LAW
 GRANDCHILD
 PARENT
 PARENT-IN-LAW
 BROTHER OR SISTER
 OTHER RELATIVES
 ADOPTED/ FOSTER/ STEPCHILD
 NOT RELATED
 DON'T KNOW
 REFUSED

Is [B02] male or female?

Male
 Female
Number

Please tell me how old [B02] is.

RECORD AGE IN COMPLETED YEARS USE "00" IF CHILD IS LESS THAN 1 YEAR "88" = DON'T KNOW. USE ONLY FOR PERSONS WHO ARE ≥ 50. IF 95 OR MORE, RECORD "95".

Was [B02] in charge of the food preparation yesterday?

Yes
 No

Is this person the head of the household; or a responsible adult if head of household is absent?

Yes
 No

Is [B02] a farmer?

*Farmers, including herders and fishers, are: 1) women and men who have access to a plot of land (even if very small) over which they make decisions about what will be grown, how it will be grown, and how to dispose of the harvest; AND/OR 2) women and men who have animals and/or aquaculture products over which they have decision-making power. Farmers produce food, feed, and fiber, where "food" includes agronomic crops (crops grown in large scale, such as grains), horticulture crops (vegetables, fruit, nuts, berries, and herbs), animal and aquaculture products, as well as natural products (e.g., non-timber forest products, wild fisheries). These farmers

Yes
 No

may engage in processing and marketing of food, feed, and fiber and may reside in settled communities, mobile pastoralist communities, or refugee/internally displaced person camps. An adult member of the household who does farm work but does not have decision-making responsibility over the plot OR animals would not be considered a "farmer." For instance, a woman working on her husband's land who does not control a plot of her own would not be interviewed.

Has [B02] done any work in the last 12 months?

Yes

*Work (for identifying cash earners) includes jobs in the formal and/or informal sector, full time, part time, or seasonal work that is done within and/or outside the home. It includes, but is not limited to agricultural daily wage labor, off-farm daily wage labor, income generation activities, sale of goods produced or processed outside the home or at the home, homestead garden or farm (e.g., vegetables, eggs, fish, livestock, artisanal goods), or petty trading. It can also include participating in cash for work, food for work, or conditional cash transfers and/or productive safety net programs. For this indicator, work does not include caring for one's own children, cooking, cleaning or doing other routine chores for one's own household (e.g., fetching water, collecting firewood) or being involved in agricultural production solely for household consumption.

No

During the last 12 months, was [B02] usually paid in cash or kind for this work or was not paid at all?

Cash only

Cash and kind

In kind only

Not paid

Don't know

Refuse

What is [B02]'s current marital status?

Married or living together

Divorced/Separated

Widowed

Never married or never living together

Don't know

Refuse

Has [B02] ever attended school?

Yes

No

Don't Know

What is the highest grade [B02] has completed?

Less than 1 year completed

T1

T2

	T3
	T4
	T5
	T6 (6ème)
	T7 (5ème)
	T8 (4ème)
	T9 (3ème)
	T10 (2nd)
	T11 (1ère)
	T12 (Terminale)
	1ère année
	2ème année
	3ème année
	4ème année
	≥ 5ème année
	Don't Know
	Refused
Did [B02] attend school at any time during the 2020 school year?	Yes
	No
During this school year, what grade is [B02] attending?	Pre-primary
	Primary
	Secondaire 1
	Secondaire 2
	Superieur
	Don't Know
	Refused
Is [B02] currently present?	Yes
	No
<i>end repeat</i>	
Just to make sure that I have a complete listing: are there any other persons such as small children or infants that we have not listed?	Yes
	No
IF "YES," TO THIS QUESTIONS THEN ADD THE HOUSEHOLD MEMBER TO THE ROSTER. THEN, COLLECT THE REMAINING COLUMNS OF INFORMATION FOR EACH MEMBER, ONE PERSON AT A TIME.	
	Yes

Are there any other people who may not be members of your family, such as domestic servants, lodgers, or friends who have lived and eaten here for at least 6 of the last 12 months?
 IF "YES," TO THIS QUESTIONS THEN ADD THE HOUSEHOLD MEMBER TO THE ROSTER. THEN, COLLECT THE REMAINING COLUMNS OF INFORMATION FOR EACH MEMBER, ONE PERSON AT A TIME.

No

Does anyone else live here even if they are not at home now? These may include children in school or household members at work or who have migrated.
 IF "YES," TO THIS QUESTIONS THEN ADD THE HOUSEHOLD MEMBER TO THE ROSTER. THEN, COLLECT THE REMAINING COLUMNS OF INFORMATION FOR EACH MEMBER, ONE PERSON AT A TIME.

Yes
 No

So, from what you mentioned, including yourself there are 1 people in your household. Is this correct?

Yes
 No

There are/is X children in this household under 6

There are/is X women in this Household between 15 and 49

There are/is X farmers in this Household

Food Access

Who is the main food preparer in your household? A food preparer is the person responsible for household food preparation.

Select Name

[ENUMERATOR: If it is not the respondent] can I speak with the main food preparer in your household?

Select Name

C01: [ENUMERATOR: Is this the first time this person has consented?]

Yes
 No

Consent

- Yes
- No
- Not Available

Now I would like to ask you about the types of foods that you or the majority of your household members ate during the past 7 days. How many days over the last 7 days, did members of your household eat the following food items, prepared and/or consumed at home?

Any bread, rice, noodles, biscuits, or other foods made from millet, sorghum, maize, rice, or wheat

- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days
- 7 days
- Not consumed
- Don't know
- Refuse

Any potatoes, yams, manioc, cassava, or any other foods made from roots or tubers?

- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days
- 7 days
- Not consumed
- Don't know
- Refuse

Any vegetables?

- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days
- 7 days
- Not consumed
- Don't know
- Refuse

Any fruits?

- 1 day
- 2 days

	3 days
	4 days
	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any beef, pork, lamb, goat, rabbit, wild game, chicken, duck, or other birds, liver, kidney, heart, or other organ meats?	1 day
	2 days
	3 days
	4 days
	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any eggs?	1 day
	2 days
	3 days
	4 days
	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any fresh or dried fish or shellfish?	1 day
	2 days
	3 days
	4 days
	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any foods made from beans, peas, lentils, or nuts?	1 day
	2 days
	3 days
	4 days

	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any cheese, yogurt, milk, or other milk products?	1 day
	2 days
	3 days
	4 days
	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any foods made with oil, fat, or butter?	1 day
	2 days
	3 days
	4 days
	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any sugar or honey?	1 day
	2 days
	3 days
	4 days
	5 days
	6 days
	7 days
	Not consumed
	Don't know
	Refuse
Any other foods, such as condiments, coffee or tea?	1 day
	2 days
	3 days
	4 days
	5 days
	6 days

7 days
 Not consumed
 Don't know
 Refuse

Now I would like to ask you some questions about your food consumption during the last 30 days.

During the past 30 days, was there a time when you or others in your household were worried you would not have enough food to eat because of a lack of money or other resources? Yes
 No
 Don't Know

During the past 30 days, was there a time when you or others in your household were unable to eat healthy and nutritious food because of a lack of money or other resources? Yes
 No
 Don't Know

During the past 30 days, was there a time when you or others in your household ate only a few kinds of foods because of a lack of money or other resources? Yes
 No
 Don't Know

During the past 30 days, was there a time when you or others in your household had to skip a meal because there was not enough money or other resources to get food? Yes
 No
 Don't Know

During the past 30 days, was there a time when you or others in your household ate less than you thought you should because of a lack of money or other resources? Yes
 No
 Don't Know

During the past 30 days, was there a time when your household did not have food because of a lack of money or other resources? Yes
 No
 Don't Know

During the past 30 days, was there a time when you or others in your household were hungry but did not eat because there was not enough money or other resources for food? Yes
 No
 Don't Know

During the past 30 days, was there a time when you or others in your household went without eating for a whole day because of a lack of money or other resources? Yes
 No
 Don't Know

We would like to speak with the primary caregiver of each child (if they are different). We will start with the respondents children then move to the other caregiver's children.

begin repeat

Please select the first name of children under 5 from the list you would like to speak about [We will ask about all the children under 5] *Select Name*

Please select the name of the primary caregiver for [D03A] *Select Name*

If the primary caregiver is different than the person you are speaking to, give/read the consent form to them and ask for consent to continue

D: [ENUMERATOR: Is this the first time this person has consented?] Yes
No

Consent

Has [D03B] agreed to participate in the survey? Yes
No
Not Available

What is [D03A]'s sex? Male
Female

Now I would like to ask you some questions about [D03A]. Does [D03A] have a health/vaccination card with the birth date recorded? Yes
No
Don't Know

IF THE HEALTH/VACCINATION CARD IS SHOWN AND THE RESPONDENT CONFIRMS THE INFORMATION IS CORRECT, RECORD THE DATE OF BIRTH AS DOCUMENTED ON THE CARD. In what day, month, and year was [D03A] born? What is his/her birthday? RECORD BIRTH DAY, MONTH AND YEAR

Date

[D03A] was [D06B_age] years old on his/her last birthday
VERIFY AGE IN COMPLETE YEARS

[D03A] is [D06B_months] months old
VERIFY AGE IN COMPLETED MONTHS

So you have told me that [D03A] is [D06B_age] years old or [D06B_months] months old. Is this correct? If not please adjust the birthday.

Yes
No

Has [D03A] ever been breastfed?

Yes
No
Don't Know

Was [D03A] breastfed yesterday during the day or at night?

Yes
No
Don't Know

Sometimes babies are fed breast milk in different ways, for example by spoon, cup, or bottle. This can happen when the mother cannot always be with her baby.

Yes
No

Sometimes babies are breastfed by another woman or given breast milk from another woman by spoon, cup, bottle, or some other way. This can happen if a mother cannot breastfeed her own baby.
Did [D03A] consume breast milk in any of these ways yesterday during the day or at night?

Did [D03A] have any thin porridge? LIMIT TO PORRIDGE MIXED VERY THIN OR THICK DRINKS MADE FROM CEREAL.	Yes No Don't Know
Any other liquids such as gripe water, glucose water, sugar water?	Yes No Don't Know
Any other liquids?	Yes No Don't Know
Specify the other liquid(s)	<i>Text</i>
How many times yesterday during the day or at night did [D03A] consume any formula?	<i>Number</i>
How many times yesterday during the day or at night did [D03A] consume any milk?	<i>Number</i>
How many times yesterday during the day or at night did [D03A] consume any yogurt?	<i>Number</i>
Now I would like to ask you about (other) liquids or foods that [D03A] ate yesterday during the day or at night. I am interested in whether your child had the item even if it was combined with other foods. For example, if [D03A] ate a millet porridge made with a mixed vegetable sauce, you should reply yes to any food I ask about that was an ingredient in the porridge or sauce. Please do not include any food used in a small amount for seasoning or condiments (like chili, spices, herbs, or fish powder), I will ask you about those foods separately. Yesterday, during the day and night, did [D03A] eat any...?	
Food made from grains, such as bread, biscuits, rice, pasta, noodles, or porridge	Yes No Don't Know
Pumpkin, carrots, squash, sweet potatoes or any other foods made from dark yellow or orange- fleshed roots or tubers	Yes No

	Don't Know
White potatoes, white yams, cassava, or any other foods made from roots or tubers	Yes No Don't Know
Any dark green leafy vegetables comme feuille de manioc, feuille de haricot, épinard, feuille de patate ?	Yes No Don't Know
Any other vegetables, like fresh green beans, tomato, etc.?	Yes No Don't Know
Kaki, mangues et papayes mures, abricots, melons oranges ou tout fruit à chair jaune foncé ou orangée?	Yes No Don't Know
Any other fruits like bananas, apples, avocado, cactus, tamarind etc.?	Yes No Don't Know
Liver, kidney, heart, or other organ meats from domesticated animals such as cow, pig, goat, chicken or duck	Yes No Don't Know
Any meat from domesticated animals such as beef, pork, lamb, goat, chicken, or duck	Yes No Don't Know
Liver, kidney, heart, or other organ meats from wild animals, such as hérissons, chats sauvages, chauve-souris, birds, wild pigeons, wild fowl, wild boar, monkey, rodents, wild goat	Yes No Don't Know
Any flesh from wild animals, such as hérissons, chats sauvages, chauve-souris...?	Yes No Don't Know
Eggs? (chicken, turkey, fowl, duck)	Yes No Don't Know
Fresh or dried fish, shellfish, crabs, or seafood	Yes No Don't Know

Any foods made from beans, peas, lentils, groundnuts or other legumes?	Yes No Don't Know
Any foods made from nuts and seeds such as mahabibo, (sakoa dans le Sud)?	Yes No Don't Know
Cheese, lait caille, or other milk products	Yes No Don't Know
Any oil, fats, or butter, or foods made with any of these	Yes No Don't Know
Any sugary foods such as chocolates, sweets, candies, pastries, cakes, or biscuits	Yes No Don't Know
Condiments for flavor, such as chilies, spices, persil, oregon, laurier...?	Yes No Don't Know
Vers, escargots, insectes (locustes, chenille...)?	Yes No Don't Know
Did [D03A] eat any solid, semisolid, or soft foods yesterday during the day or at night? IF "YES" PROBE: What kind of solid, semi-solid, or soft foods did [D03A] eat?	Yes No
Go back and record foods eaten. Then continue	
How many times did [D03A] eat solid, semi-solid, or soft foods other than liquids yesterday during the day or at night?	<i>Integer</i>
Has [D03A] had diarrhea in the last 2 weeks? DIARRHEA IS DEFINED AS 3 OR MORE WATERY STOOLS THE TERM(S) USED FOR DIARRHEA SHOULD ENCOMPASS THE EXPRESSIONS USED FOR ALL FORMS OF DIARRHEA, INCLUDING BLOODY STOOLS (CONSISTENT WITH DYSENTERY), WATERY STOOLS, ETC.	Yes No

Was there any blood in the stools?

Yes
No

Now I would like to know how much [D03A] was given to drink during the diarrhea (including breastmilk). Was he/she given less than usual to drink, about the same amount, or more than usual to drink?

IF LESS, PROBE: Was he/she given much less than usual to drink or somewhat less?

Much less
Somewhat less
About the same
More
Nothing to drink
Don't know
Refuse

When [D03A] had diarrhea, was he/she given less than usual to eat, about the same amount, more than usual, or nothing to eat?

IF LESS, PROBE: Was he/she given much less than usual to eat or somewhat less?

Much less
Somewhat less
About the same
More
Nothing to eat
Don't know
Refuse

Was he/she given any of the following to drink at any time since he/she started having the diarrhea:

A fluid made from a special packet called ODIVA (SRO)?
A government-recommended homemade fluid "1 sy 8"?
None of the above
Don't know
Refuse

end repeat

Women's nutrition, breastfeeding, and antenatal care

Now we would like to speak with each woman of reproductive age in the household.

begin repeat

Please select a name

Select Name

E: [ENUMERATOR: Is this the first time this person has consented?]

Yes
No

Consent

Yes
No
Not Available

Now I would like to ask you about liquids or foods that you ate yesterday during the day or at night. I am interested in whether you had the item even if it was combined with other foods. For example, if you ate a millet porridge made with a mixed vegetable sauce, you should reply yes to any food I ask about that was an ingredient in the porridge or sauce. Please do not include any food used in a small amount for seasoning or condiments (like chillies, spices, herbs, or fish powder), I will ask you about those foods separately.

A small amount for seasoning or condiments (like chillies, spices, herbs, or fish powder), I will ask you about those foods separately.

Food made from grains, such as bread, biscuits, rice, pasta, noodles, or porridge	Yes No Don't Know
Pumpkin, carrots, squash, sweet potatoes or any other foods made from dark yellow or orange- fleshed roots or tubers	Yes No Don't Know
White potatoes, white yams, cassava, or any other foods made from roots or tubers	Yes No Don't Know
Any dark green leafy vegetables comme feuille de manioc, feuille de haricot, épinard, feuille de patate ?	Yes No Don't Know
Any other vegetables, like fresh green beans, tomato, etc.?	Yes No Don't Know
Kaki, mangues et papayes mures, abricots, melons oranges ou tout fruit à chair jaune foncé ou orangée?	Yes No Don't Know
Any other fruits like bananas, apples, avocado, cactus, tamarind etc.?	Yes No Don't Know
Liver, kidney, heart, or other organ meats from domesticated animals such as cow, pig, goat, chicken or duck	Yes No Don't Know

Any meat from domesticated animals such as beef, pork, lamb, goat, chicken, or duck	Yes No Don't Know
Liver, kidney, heart, or other organ meats from wild animals, such as hérissons, chats sauvages, chauve-souris, birds, wild pigeons, wild fowl, wild boar, monkey, rodents, wild goat	Yes No Don't Know
Any flesh from wild animals, such as hérissons, chats sauvages, chauve-souris...?	Yes No Don't Know
Eggs? (chicken, turkey, fowl, duck)	Yes No Don't Know
Fresh or dried fish, shellfish, crabs, or seafood	Yes No Don't Know
Any foods made from beans, peas, lentils, groundnuts or other legumes?	Yes No Don't Know
Any foods made from nuts and seeds such as mahabibo, (sakoa dans le Sud)?	Yes No Don't Know
Cheese, yogurt, lait caille, or other milk products	Yes No Don't Know
Any oil, fats, or butter, or foods made with any of these	Yes No Don't Know
Any sugary foods such as chocolates, sweets, candies, pastries, cakes, or biscuits	Yes No Don't Know
Condiments for flavor, such as chilies, spices, persil, oregon, laurier...?	Yes No Don't Know
Vers, escargots, insectes (locustes, chenille...)?	Yes

	No
	Don't Know
Now I would like to ask you about pregnancies and births you may have had. Are you currently pregnant?	Yes
	No
	Don't Know
	Refused
Have you ever been pregnant?	Yes
	No
Have you ever given birth?	Yes
	No
When was the last time you gave birth to a boy or girl who was born alive? IF THE RESPONDENT DOES NOT KNOW THE BIRTHDATE ASK: Do you have a health/vaccination card for that child with the birthdate recorded? IF THE HEALTH/VACCINATION CARD IS SHOWN, RECORD THE DATE OF BIRTH AS DOCUMENTED ON THE CARD If day is not known, enter '15' above	
Is this child alive today?	Yes
	No
What is the name of your child who was born on [E31]?	<i>Select Name</i>
Did you see anyone for antenatal care during the pregnancy?	Yes
	No
Whom did you see? Anyone else? Enumerator note: PROBE TO IDENTIFY EACH TYPE OF CAREGIVER AND RECORD ALL MENTIONED	DOCTOR
	NURSE
	MIDWIFE
	CLINICAL OFFICER
	SKILLED BIRTH ATTENDANT
	TRADITIONAL BIRTH ATTENDANT
	OTHER
	DON'T KNOW
	REFUSE
Other	

How many months pregnant were you when you first received antenatal care during this pregnancy?
88 = Don't know *integer*

How many times did you receive antenatal care during this pregnancy?
88 = Don't know *integer*

ENUMERATOR: [Is this person married?]
Yes
No

Now I would like to ask about family planning the various ways or methods a couple can use to delay or avoid a pregnancy. Have you ever heard of...?

Female Sterilization
Yes
No
Don't Know
Refused

Male Sterilization
Yes
No
Don't Know
Refused

IUD
Yes
No
Don't Know
Refused

Injectable
Yes
No
Don't Know
Refused

Implants
Yes
No
Don't Know
Refused

Contraceptive Pill
Yes
No
Don't Know

	Refused
Male Condom	Yes No Don't Know Refused
Female Condom	Yes No Don't Know Refused
Diaphragm with spermicidal foam, cream or gel.	Yes No Don't Know Refused
Emergency Contraception	Yes No Don't Know Refused
Standard Days Method	Yes No Don't Know Refused
Locational Amenorrhea Method (LAM).	Yes No Don't Know Refused
Have you heard of any other modern methods that women or men can use to avoid pregnancy?	Yes No Don't Know Refused
Specify	<i>Text</i>
Did you or your partner use any of these modern contraceptive methods in the past 12 months?	Yes No Don't Know Refused
	Respondent Husband/Partner

Who usually makes the decision on whether or not you should use contraception, you, your husband/partner, you and your husband/partner jointly, or someone else?

Respondent jointly with someone else

Other
Don't know
Refuse

Specify

When making this decision with your husband/partner, would you say that your opinion is more important, equally important, or less important than your husband's/partner's opinion?

Text
More important
Equally important
Less important
Don't know
Refuse

Are you or your partner currently doing something or using any method to delay or avoid getting pregnant?

Yes
No
Don't Know
Refused

Which method are you using?

FEMALE STERILIZATION
MALE STERILIZATION
IUD
INJECTABLES
IMPLANTS
PILL
MALE CONDOM
FEMALE CONDOM
DIAPHRAGM WITH SPERMICIDE

EMERGENCY CONTRACEPTION

STANDARD DAYS METHOD
LACTATIONAL AMEN METHOD
RHYTHM METHOD
WITHDRAWAL
OTHER MODERN METHOD
OTHER TRADITIONAL METHOD
DON'T KNOW
REFUSE

end repeat

Household water, sanitation, and hygiene

Now I would like to ask if there is an ADULT IN THE HOUSEHOLD that we can speak to about the household's water, sanitation, and hygiene.

Select Name

F: [ENUMERATOR: Is this the first time this person has consented?]

Yes

	No
<i>Consent</i>	YesNo
What is currently the main source of drinking water for members of your household?	Piped into dwelling Piped to yard/plot Piped to neighbor Public tap/standpipe Tube well or borehole Protected well Unprotected well Protected spring Unprotected spring Rainwater collection Tanker truck Cart with small tank Surface water (river/dam/ lake/pond/ stream/canal/ irrigation channel) Bottled water Other (specify) _____ Don't know Refuse
<i>Specify</i>	<i>Text</i>
Where is that water source located?	In own dwelling In own yard/plot Elsewhere Don't know Refuse
How long does it take to go there, get water, and come back? [In minutes]	
Is water available from this source year round?	<i>Number</i> Yes No
In the last two weeks, was water unavailable from this source for a day or longer?	Yes No
Do you do anything to the water to make it safer to drink?	Yes No
What do you usually do to make the water safer to drink? Anything else? RECORD ALL MENTIONED ENUMERATOR SHOULD VERIFY AS FOLLOWS:	Chlorination Flocculent/Disinfectant (physio- chemical disinfection)

CHLORINATION: AN ENUMERATOR CARRYING OUT THE CHLORINE RESIDUAL TEST OBTAINS POSITIVE RESULTS (CT+).
 FILTRATION: ENUMERATORS ARE ABLE TO SEE THE FILTER AND VERIFY THAT WATER IS IN THE FILTER'S BOTTOM CONTAINER OR COMES OUT OF THE FILTER'S TAP (FILTER +).
 SOLAR DISINFECTION: THE ENUMERATOR IS ABLE TO SEE THAT BOTTLES FILLED WITH WATER ARE EXPOSED TO THE SUN AND SELF REPORTS BY SURVEY PARTICIPANTS INDICATE THAT BOTTLES ARE EXPOSED TO THE SUN FOR AT LEAST SIX HOURS PER DAY OF EXPOSURE (SODIS+) ON SUNNY DAYS AND UP TO TWO DAYS ON CLOUDY DAYS.
 BOILING: SURVEY PARTICIPANTS REPORT THAT BOILING OCCURRED UNTIL WATER COMES TO A ROLLING BOIL AND THE SAME CONTAINER WHERE WATER IS BOILED IS USED TO STORE BOILED WATER (BOIL+).

Filtration (physical removal)
 Solar disinfection (UV/heat disinfection)
 Boiling
 Other (specify)
 Don't know
 Refuse

Specify

Text

What types of containers do you usually use to collect water for your household?

Small jerry can (5-9 liter)
 Large jerry can (20 liter)
 Small bucket (5-9 liter)
 Large bucket (10-20 liter)
 Clay jars or pots (10-20 liter)
 Large rolling container (90 liter)
 Large plastic drum (150- 200 liter)
 Other (specify type and volume)
 Do not collect water
 Don't know
 Refuse

Specify type and volume

Number

begin repeat

How many [F10A_name]? Do you usually bring to fill on one trip to collect water?

How often do you usually fill the [F10A_name]?
 IF RESPONDENT CANNOT GIVE CLEAR RESPONSE, THEN OBSERVE THE TOILET AND RECORD THE CORRECT RESPONSE

Twice every day
 Once every day
 Once every other day
 Once every third day
 Other (specify)
 Don't know
 Refuse

Specify

end repeat

Now I'm going to ask you questions about the type of toilet that your household uses

What kind of toilet facility do members of your household usually use?

- Flush to piped sewer system
- Flush to septic tank
- Flush to pit latrine
- Flush to somewhere else
- Flush, don't know where PIT LATRINE
- Ventilated improved pit latrine
- Pit latrine with slab
- Pit latrine without slab/open pit
- Composting toilet
- Bucket toilet
- Hanging toilet/hanging latrine
- No facility/bush/field
- Other (specify)
- Don't know
- Refuse

Specify

Text

Do you share this facility with other households?

- Yes
- No
- Don't Know
- Refused

How many households use this toilet facility?
95 = 10 or more households -88 = Don't know

Please show me where members of your household most often wash their hands.

- Observed
- Not observed, not in dwelling/yard/plot
- Not observed, no permission to see
- Not observed, other reason
- Don't know
- Refuse

OBSERVATION ONLY: OBSERVE PRESENCE OF WATER AT THE PLACE FOR HANDWASHING

- Water is available
- Water is not available

OBSERVATION ONLY: OBSERVE PRESENCE OF SOAP, ASH OR DETERGENT AT THE PLACE FOR HANDWASHING.

Soap, ash or detergent (bar, liquid, powder, paste)
 Mud or sand
 Other cleansing agent
 None

Agriculture

Now, I would like to speak to the members of the household who make the decisions about how to farm, raise livestock, or go fishing and ask them questions about their work

begin repeat

Select the name of the farmer and fishers

Select Name

Ask all farmers in the household

Farmers, including herders and fishers, are: 1) women and men who have access to a plot of land (even if very small) over which they make decisions about what will be grown, how it will be grown, and how to dispose of the harvest; AND/OR 2) women and men who have animals and/or aquaculture products over which they have decision-making power. Farmers produce food, feed, and fiber, where "food" includes agronomic crops (crops grown in large scale, such as grains), horticulture crops (vegetables, fruit, nuts, berries, and herbs), animal and aquaculture products, as well as natural products (e.g., non-timber forest products, wild fisheries). These farmers may engage in processing and marketing of food, feed, and fiber and may reside in settled communities, mobile pastoralist communities, or refugee/internally displaced person camps. An adult member of the household who does farm work but does not have decision-making responsibility over the plot OR animals would not be considered a "farmer." For instance, a woman working on her husband's land who does not control a plot of her own would not be interviewed.

G: [ENUMERATOR: Is this the first time this person has consented?]

Yes
 No
 Not Available

Consent

Yes
 No

Do you have access to a plot of land (even if very small) over which you make decisions about what will be grown or how it will be grown or how to dispose of the harvest? VERIFY THAT RESPONDENT UNDERSTANDS THAT HAVING "ACCESS" AND MAKING "DECISIONS" OVER A PLOT OF LAND DOES

Yes
 No

NOT REQUIRE “LEGAL OWNERSHIP” OF THE LAND. A PERSON CAN HAVE ACCESS AND MAKE DECISIONS OVER A PLOT OF LAND (E.G., A SMALL VEGETABLE GARDEN EVEN IF HE/SHE DOES NOT LEGALLY OWN THE LAND. IF THERE IS JOINT DECISION- MAKING POWER OVER ONE SINGLE PLOT OF LAND (OR SET OF ANIMALS), ALL FARMERS THAT ARE INVOLVED IN THE DECISION MAKING SHOULD BE INTERVIEWED.

Do you own, rent, or sharecrop the land over which you make decisions?

- Own
- Rent
- Sharecrop
- Don't know
- Refuse

specify

Text

Thinking of all the plots for which you are a decision-maker, what was the total area cultivated in the past 12 months? (This includes land not owned by the farmer) INCLUDES PLOTS OF LAND ALLOCATED TO FARMERS FOR GROWING CROPS BUT NOT OWNED.

Number

Units

- Hectares
- Square Meters
- Steps
- Ares
- Other
- Don't know
- Refuse

Do you have animals over which you make decisions about their management or how to dispose of the production?

- Yes
- No

Do you have decision making power over fishing activities and actively fish?

- Yes
- No

Did you take any agricultural credit, in cash or in kind, in the PAST 12 MONTHS?
PROBES: Agri-dealeres, contract farming, village savings and credit groups, farmers group, MFI, Bank etc.

- Yes
- No
- Don't Know
- Refused

Did you save any cash in the PAST 12 MONTHS?

- Yes
- No
- Yes

Some people insure their agricultural production against negative unexpected circumstances, such as drought, floods, and pests by paying for this service.

No

Did you buy agricultural insurance in the [PAST 12 MONTHS]?

Now I want to ask you about farming and livestock practices about which you make decisions. This includes practices about crops and animal products

Do you cultivate any crops or raise/buy livestock with the specific intention to sell or resell to earn income?

Yes

No

Which of the following activities related to farming and animal husbandry have you practiced or received services for during the PAST 12 MONTHS?

- Purchase inputs for crops
- Purchase inputs for livestock
- Use of training and extension services
- Contract farming
- Drying produce
- Processing produce
- Trading or marketing produce through agro dealers and/or community associations
- Use of formal marketing systems for livestock
- Did not practice any of these activities in the past 12 months
- Don't know
- Refuse

Thinking of all the plots for which you are a decision-maker, what crop(s) do you cultivate in the PAST 12 MONTHS?

- Common Bean
- Maize
- Peanut
- Voandzou
- Cassava
- Sweet potatoes
- Lima beans
- Sorghum
- Carrot
- Potatoes
- Cabbage
- Onion
- Garlic
- Chinese cabbage
- Tomato

- Lettuce
- Melon
- Cucumber
- Turmeric
- Chili pepper
- Lablab beans
- Cowpea
- Chickpea
- Rice bean
- Velvet bean
- Jack bean
- Gluricidia
- Tephrosia
- Vetiver
- Acacia
- Papaya
- Banana
- Pineapple
- Mangos
- Millet
- Castor
- Moringa
- Sea cucumber
- Red Algae
- Pigeon Pea
- Australian Pine Tree
- Sisals
- Coconut tree
- Tropical Lucern
- Congo Grass, Surinam Grass, Creeping Signal Grass etc.
- Don't know
- Refuse

Did you use any of these practices for cultivation of Cassava in the PAST 12 MONTHS?

- Organic manure
- Compost
- Performing weeding
- Sowing after useful rain
- Crop association
- Crop rotation
- Use of improved seeds
- Use of climate information (rain forecast, disaster risks, etc.)
- Wind break (brise vent)
- Soil cover (couverture de sol)

Did you use any of these practices for cultivation of Sorghum in the PAST 12 MONTHS?

Did not use any of these practices in the past 12 months
Don't know
Refuse

Organic manure
Compost
Performing weeding
Sowing after useful rain
Crop association
Crop rotation
Use of improved seeds
Use of climate information (rain forecast, disaster risks, etc.)
Wind break (brise vent)
Soil cover (couverture de sol)
Did not use any of these practices in the past 12 months
Don't know
Refuse

Did you use any of these practices for cultivation of Cowpea in the PAST 12 MONTHS?

Organic manure
Compost
Performing weeding
Sowing after useful rain
Crop association
Crop rotation
Use of improved seeds
Use of climate information (rain forecast, disaster risks, etc.)
Wind break (brise vent)
Soil cover (couverture de sol)
Did not use any of these practices in the past 12 months
Don't know
Refuse

Now I am going to ask you questions about plots of land where you are the PRIMARY decision-maker.

A PLOT IS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR A MIXTURE OF CROPS IS GROWN UNDER A CONSISTENT CROP MANAGEMENT SYSTEM. IT MUST BE CONTINUOUS AND SHOULD NOT BE SPLIT BY A PATH OF MORE THAN ONE METER IN WIDTH. PLOT BOUNDARIES ARE DEFINED ACCORDING TO THE CROPS GROWN AND THE OPERATOR.

Thinking of all the plots for which you are the primary decision-maker, how many separate plots of land do you cultivate crops on?

Number

begin repeat

For plot #1: Is this plot being managed jointly by more than one farmer?

Yes
No

ENUMERATOR: CONFIRM. IS THIS THE FIRST TIME SOMEONE HAS ANSWERED QUESTIONS ABOUT THIS PLOT?

Yes
No

What is the area of plot #1?

Number

Units

Hectares
Square Meters
Steps
Ares
Other
Don't know
Refuse

In the past 12 months, did you plant cassava, sorghum or cowpea on plot #1?

Cassava
Sorghum
Cowpea
None of the above
Don't know
Refuse

What percentage of Plot # 1 was cultivated with Cassava? (percentage)
[IN PERCENT E.G. 0-100%]

Integer

What percentage of Plot # 1 was cultivated with Sorghum? (percentage)

Integer

What percentage of Plot # 1 was cultivated with Cowpea? (percentage)

Integer

end repeat

Now I'm going to ask you about production for specific crops across all plots that you were the primary farmer and decision maker for. ENUMERATOR: Ensure that the answers to the following questions are about crops that have not already been counted by another farmer.

ENUMERATOR: CONFIRM. IS THIS THE FIRST TIME SOMEONE HAS ANSWERED QUESTIONS ABOUT PRODUCTION OF COWPEAS, SORGHUM, OR CASSAVA ON THESE PLOTS?

Yes

No

In total how much Cassava did you harvest in the past 12 MONTHS?

00 = None -88 = Don't Know -99 = Refused

Integer

Units

OZ

KG

Ton

Sachet/tube

Heap

Boite MADCO

Bunch

Pail (small)

Pail (large)

Basket (Dengu) (Shelled)

Basket (Dengu) (Unshelled)

Bale

Basin

Ox-cart (Unshelled)

Other (specify)

Don't know

Refuse

Other (specify)

Text

In total how much Sorghum did you harvest in the past 12 MONTHS?

00 = None -88 = Don't Know -99 = Refused

Units

OZ

KG

Ton

- Sachet/tube
- Heap
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Basin
- Ox-cart (Unshelled)
- Other (specify)
- Don't know
- Refuse

Other (specify)

In total how much Cowpea did you harvest in the past 12 MONTHS?
 00 = None -88 = Don't Know -99 = Refused

Number

Units

- OZ
- KG
- Ton
- Sachet/tube
- Heap
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Basin
- Ox-cart (Unshelled)
- Other (specify)
- Don't know
- Refuse

Other (specify)

Text

In total how much Cassava did you sell in the past 12 MONTHS?
 00 = None -88 = Don't Know -99 = Refused

Number

Units

- OZ
- KG

Other (specify)

Who was the main buyer of your harvested Cassava?

Other (specify)

In total how much Sorghum did you sell in the past 12 MONTHS?
 00 = None -88 = Don't Know -99 = Refused

Units

- Ton
- Sachet/tube
- Heap
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Basin
- Ox-cart (Unshelled)
- Other (specify)
- Don't know
- Refuse

Text

- Relative/Friend
- Local market
- Private trader
- Ag co-op
- Other (specify)
- Don't know
- Refuse

Number

- OZ
- KG
- Ton
- Sachet/tube
- Heap
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Basin
- Ox-cart (Unshelled)

	Other (specify) Don't know Refuse
Other (specify)	
Who was the main buyer of your harvested Sorghum?	Relative/Friend Local market Private trader Ag co-op Other (specify) Don't know Refuse
Other (specify)	<i>text</i>
In total how much Cowpea did you sell in the past 12 MONTHS? 00 = None -88 = Don't Know -99 = Refused	<i>number</i>
Units	OZ KG Ton Sachet/tube Heap Boite MADCO Bunch Pail (small) Pail (large) Basket (Dengu) (Shelled) Basket (Dengu) (Unshelled) Bale Basin Ox-cart (Unshelled) Other (specify) Don't know Refuse
Other (specify)	
Who was the main buyer of your harvested Cowpea?	Relative/Friend Local market Private trader Ag co-op Other (specify) Don't know

Other (specify)

How much of the harvested cassava was consumed by your household?

Units

Refuse

number

- OZ
- KG
- Ton
- Sachet/tube
- Heap
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Basin
- Ox-cart (Unshelled)
- Other (specify)
- Don't know
- Refuse

Other (specify)

How much of the harvested sorghum was consumed by your household?

Units

text

- OZ
- KG
- Ton
- Sachet/tube
- Heap
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Basin
- Ox-cart (Unshelled)
- Other (specify)
- Don't know
- Refuse

Other (specify)	<i>Text</i>
How much of the harvested cowpea was consumed by your household?	
Units	OZ KG Ton Sachet/tube Heap Boite MADCO Bunch Pail (small) Pail (large) Basket (Dengu) (Shelled) Basket (Dengu) (Unshelled) Bale Basin Ox-cart (Unshelled) Other (specify) Don't know Refuse
Other (specify)	<i>text</i>
Did you store any of the Cassava?	Yes No
Did you use any of these methods to store the Cassava in the PAST 12 MONTHS?	Locally Made Storage Structures Such As Sheet Metal Silos Sealed/Airtight Bags Community Storage Facilities, Including Warehouse Receipting Did Not Use Any Of These Practices Don't Know Refuse
Did you store any of the Sorghum?	Yes No
Did you use any of these methods to store the Sorghum in the PAST 12 MONTHS?	Locally Made Storage Structures Such As Sheet Metal Silos Sealed/Airtight Bags Community Storage Facilities, Including Warehouse Receipting

Did you store any of the Cowpea?

Did Not Use Any Of These Practices
 Don't Know
 Refuse

Yes
 No

Did you use any of these methods to store the Cowpea in the PAST 12 MONTHS?

Locally Made Storage Structures Such As Sheet Metal Silos
 Sealed/Airtight Bags
 Community Storage Facilities, Including Warehouse Receipting
 Did Not Use Any Of These Practices
 Don't Know
 Refuse

Now I'm going to ask you about production for specific livestock that you were the primary farmer and decision maker for. ENUMERATOR: Ensure that the answers to the following questions are about animals that have not already been counted by another farmer.

Did you raise poultry or goats in the past 12 months?

Poultry (Chicken and turkey)
 Goats
 Neither
 Don't know
 Refuse

ENUMERATOR: CONFIRM. IS THIS THE FIRST TIME SOMEONE HAS ANSWERED QUESTIONS ABOUT THESE POULTRY OR GOATS?

Yes
 No

Did you use any of the following practices when you cared for the goats during the PAST 12 MONTHS?

Improved shelter
 Vaccinations
 Ant parasitic treatments
 Castration
 De-horning
 Improved fodder production
 Purchase of commercial animal feed
 Selective breeding
 Did not use any of these practices in the past 12 months
 Don't know

	Refuse
A group of goats can include both adult goats and young goats. Adult goats are one year old or older. How many adult male goats do you own? 00 = None -88 = Don't Know -99 = Refused	Number
And how many adult female goats do you own? 00 = None -88 = Don't Know -99 = Refused	Number
Young goats are less than one year old. How many young male goats do you own? 00 = None -88 = Don't Know -99 = Refused	Number
And how many young female goats do you own? 00 = None -88 = Don't Know -99 = Refused	Number
How many of your female goats gave birth in the past year? 00 = None -88 = Don't Know -99 = Refused	Number
How do you decide when to sell one of your goats?	<p>WHEN THERE IS A NEED FOR CASH</p> <p>WHEN MARKET IS GOOD (EX. FESTIVAL TIME)</p> <p>WHEN HER DAM IS POOR-PERFORMING</p> <p>WHEN HER MILK PRODUCTION FALLS</p> <p>BELOW A CERTAIN LEVEL</p> <p>WHEN SHE DOESN'T RE-BREED</p> <p>WHEN SHE GETS TOO OLD</p> <p>WHEN HERD SIZE IS NOT MANAGEABLE</p> <p>WHEN THERE IS NOT ENOUGH FOOD TO FEED ALL THE ANIMALS</p> <p>Other (specify)</p> <p>Don't know</p> <p>Refuse</p>
When decisions are made regarding selling goats, who is it that normally takes the decision?	<p>SELF</p> <p>PARTNER/SPOUSE</p> <p>OTHER HOUSEHOLD MEMBER</p> <p>OTHER NON-HOUSEHOLD MEMBER</p>

DON'T KNOW
REFUSE

In the past year, how many female goats did you sell?
00 = None -88 = Don't Know -99 = Refused

Number

Of the female goats you sold in the past year, how many were adults, over one year old?
00 = None -88 = Don't Know -99 = Refused

Number

In the past year, how many male goats did you sell?
00 = None -88 = Don't Know -99 = Refused

Number

Of the male goats you sold in the past year, how many were adults, over one year old?
00 = None -88 = Don't Know -99 = Refused

Number

In the past year, how many female goats did your household consume?
00 = None -88 = Don't Know -99 = Refused

Number

Of the female goats your household consumed in the past year, how many were adults, over one year old?
00 = None -88 = Don't Know -99 = Refused

Number

In the past year, how many male goats did your household consume?
00 = None -88 = Don't Know -99 = Refused

Number

Of the male goats you consumed in the past year, how many were adults, over one year old?
00 = None -88 = Don't Know -99 = Refused

Number

In the past year, how many female goats did you gift or loan out to others?
00 = None -88 = Don't Know -99 = Refused

Number

Of the female goats you gifted or loaned out to others in the past year, how many were adults, over one year old?
00 = None -88 = Don't Know -99 = Refused

Number

In the past year, how many male goats did you gift or loan out to others?
00 = None -88 = Don't Know -99 = Refused

Number

Of the male goats you gifted or loaned out to others in the past year, how many were adults, over one year old?
00 = None -88 = Don't Know -99 = Refused

Number

In the past year, how many of your goats died?
00 = None -88 = Don't Know -99 = Refused

Number

In the past year, how many of your goats have been stolen?
00 = None -88 = Don't Know -99 = Refused

Number

What information source do you rely on the most to help you increase the production from your goats?

FRIEND/NEIGHBOR
COMMUNITY ANIMAL HEALTH WORKER
LOCAL AGROVET SUPPLIER
PRIVATE VETERINARY PHARMACY
AG EXTENSION WORKER
SCHOOL
RADIO PROGRAM
TELEVISION
MOBILE PHONE MESSAGING
INTERNET
Other (specify)
DON'T KNOW
REFUSE

Other (specify)

text

Did you use any of the following practices when you cared for the poultry during the [PAST 12 MONTHS]?

Use of improved poultry variety/breed
Use of improved feed
Use of improved shelters
Vaccinations
Use of veterinary products and services (antibiotics, vitamins, etc.)
Did not use any of these practices in the past 12 months
Don't know
Refuse

In the past 12 months, how many poultry did you raise?
00 = None -88 = Don't Know -99 = Refused

Number

In the past 12 months, how many poultry did you sell?
00 = None -88 = Don't Know -99 = Refused

Number

In the past 12 months, how many POULTRY did you consume?
00 = None -88 = Don't Know -99 = Refused *Number*

In the past 12 months, how many POULTRY did you gift or loan out to others?
00 = None -88 = Don't Know -99 = Refused *Number*

In the past 12 months, how many POULTRY died?
00 = None -88 = Don't Know -99 = Refused *Number*

In the past 7 days, how many eggs have your poultry produced?
00 = None -88 = Don't Know -99 = Refused *Number*

In the past 7 days how many of the eggs were sold?
00 = None -88 = Don't Know -99 = Refused *Number*

In the past 7 days how many of the eggs were consumed?
00 = None -88 = Don't Know -99 = Refused *Number*

In the past 7 days how many of the eggs were gifted/loaned?
00 = None -88 = Don't Know -99 = Refused *Number*

In the past 7 days how many of the eggs were held/lost?
00 = None -88 = Don't Know -99 = Refused *Number*

Now I'd like to ask you some questions about fishing.

Did your household fish: To provide food for the household? To be sold or traded in the market? Both for food and for the market?
Food only
Market only
Both food and market
Don't know
Refuse

ENUMERATOR: CONFIRM. IS THIS THE FIRST TIME SOMEONE HAS ANSWERED QUESTIONS ABOUT THE FISH CAUGHT BY THE HOUSEHOLD?
Yes
No

What was the total amount of the fish you sold in the past one year?
Enter -88 for Don't Know Enter -99 for Refused *Number*

Unit
KG
LB
Bucket

	Kapoakambary
	Other (specify)
	Don't know
	Refuse
Other (specify)	
What assets to you use for fishing?	Pirogue
	Net
	fishing bowl/container
	Other (specify) 1
	Other (specify) 2
	Other (specify) 3
	Don't know
	Refuse
Other (specify) 1	<i>text</i>
Other (specify) 2	<i>text</i>
Other (specify) 3	<i>text</i>
Do you have access to extension or support services for your fishing?	Yes
	No
	Don't Know
	Refused
Did you use any of the following natural resources management practices or techniques during the [PAST 12 MONTHS]?	Farmer managed natural regeneration (fmnr)
	Delimitation of pasture areas
	Don't know
	Refuse

end repeat

Consumption

I would now like to ask some questions about recent household food consumption and other spending. Can I speak with the person(s) best able to answer these questions? Preferably the head of household or another responsible adult member

Please select a name *Select Name*

[ENUMERATOR: Is this the first time this person has consented?] Yes
No

Consent Yes
No

Over the past 7 days, did you or others in your household consume any of the following items?

- Rice
- Rice flour
- Maize grain
- Maize
- Maize grain
- Green maize
- Sorghum
- Wheat flour
- Bread
- Buns, scones
- Biscuits
- Spaghetti, macaroni, pasta
- Breakfast cereal
- Infant feeding cereals
- Other cereals 1 (specify)
- Other cereals 2 (specify)
- Other cereals 3 (specify)
- Did not have any of this category
- Don't know
- Refused

Other 1: Please specify

text

Other 2: Please specify

text

Other 3: Please specify

text

begin repeat

How much [H06_name] in total did your household consume in the past 7 days?

Enter -88 for Don't Know Enter -99 for Refused

INDICATE IN WHAT UNIT THE RESPONDENT GAVE THEIR ANSWER

- Kilogramme(s)
- Tin
- Litre
- Cup
- Milliliter
- Piece / slice / portion
- Gram
- Sachet/tube
- Heap
- 50 Kg. bag
- 90 Kg. bag
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Teaspoon

- Tablespoon
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Ox-cart (Unshelled)
- Basin
- Unit/Item
- Other (specify)
- Don't know
- Refuse

other: Please specify

text

How much of the [H06_name] consumed by your household in the past 7 days came from purchases?
Enter -88 for Don't Know Enter -99 for Refused

number

How much did you spend on the [H06_name] consumed by your household in the past 7 days?
(Malagasy Ariary)
Enter -88 for Don't Know Enter -99 for Refused

number

How much of the [H06_name] consumed by your household in the past 7 days came from your household's own production?
Enter -88 for Don't Know Enter -99 for Refused

number

Please tell me how much it would have cost to buy that much [H06_name] if you had to purchase it in the market today? (Malagasy Ariary)
Enter -88 for Don't Know Enter -99 for Refused

number

How much of the [H06_name] consumed by your household in the past 7 days came from gifts or other sources?
Enter -88 for Don't Know Enter -99 for Refused

number

Please tell me how much it would have cost to buy that much [H06_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused

number

end repeat

Over the past 7 days, did you or others in your household consume any of the following items?

- Cassava tubers
- Cassava flour

Cassava flour
 Yam
 Breadfruit
 Potato
 Plantain, cooking banana
 Taro (Saonjo)
 Other roots, tubers, or plantains 1 (specify)
 Other roots, tubers, or plantains 2 (specify)
 Other roots, tubers, or plantains 3 (specify)
 Did not have any of this category
 Don't Know
 Refused

Other 1: Please specify
 Other 2: Please specify
 Other 3: Please specify

text
text
text

begin repeat

How much [H12_name] in total did your household consume in the past 7 days?

INDICATE IN WHAT UNIT THE RESPONDENT GAVE THEIR ANSWER

Kilogramme(s)
 Tin
 Litre
 Cup
 Milliliter
 Piece / slice / portion
 Gram
 Sachet/tube
 Heap
 50 Kg. bag
 90 Kg. bag
 Boite MADCO
 Bunch
 Pail (small)
 Pail (large)
 Teaspoon
 Tablespoon
 Basket (Dengu) (Shelled)
 Basket (Dengu) (Unshelled)
 Bale
 Ox-cart (Unshelled)
 Basin

	Unit/Item
	Other (specify)
	Don't know
	Refuse
Other (specify)	<i>text</i>
How much [H12_name] in total did your household consume in the past 7 days came from purchases? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much did you spend on the [H12_name] consumed in the Past 7 days? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H12_name] came from your own production? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H12_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H12_name] came from gifts or other sources? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H12_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
<i>end repeat</i>	
Over the past 7 days, did you or others in your household consume any of the following items?	Onion, fresh or processed Cabbage, fresh or processed Carrot Zucchini Cauliflower Other cultivated green leafy vegetables, fresh or processed Gathered wild green leaves (Ananambo, Anamadinika, ...) Tomato, fresh or processed Cucumber, fresh or processed Pumpkin, fresh or processed Green beans

Pepper (green, red or yellow)
 Eggplant
 Chili pepper
 Mushroom, fresh or processed
 Other vegetables, fresh or processed 1 (specify)
 Other vegetables, fresh or processed 2 (specify)
 Other vegetables, fresh or processed 3 (specify)
 Did not have any of this category
 Don't Know
 Refused

Other 1: Please specify

text

Other 2: Please specify

text

Other 3: Please specify

text

begin repeat

How much [H18_name] in total did your household consume in the past 7 days?

number

Enter -88 for Don't Know Enter -99 for Refused

INDICATE IN WHAT UNIT THE RESPONDENT GAVE THEIR ANSWER

Kilogramme(s)
 Tin
 Litre
 Cup
 Milliliter
 Piece / slice / portion
 Gram
 Sachet/tube
 Heap
 50 Kg. bag
 90 Kg. bag
 Boite MADCO
 Bunch
 Pail (small)
 Pail (large)
 Teaspoon
 Tablespoon
 Basket (Dengu) (Shelled)
 Basket (Dengu) (Unshelled)
 Bale
 Ox-cart (Unshelled)
 Basin
 Unit/Item

	Other (specify)
	Don't know
	Refuse
Other (specify)	<i>text</i>
How much [H18_name] in total did your household consume in the past 7 days came from purchases? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much did you spend on the [H18_name] consumed in the past 7 days? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H18_name] came from your own production? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H18_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H18_name] came from gifts or other sources? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H18_name] if you had to purchase it in the market today?(Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
<i>end repeat</i>	
Over the past 7 days, did you or others in your household consume any of the following items?	Eggs Dried fish Fresh fish Shellfish Beef Goat Pork Mutton Chicken Other poultry - guinea fowl, doves, etc. Small animal – rabbit, etc. Wild animals

Criquests, other insects, for example Ngumbi (caterpillar)
 Tinned meat or fish
 Smoked fish
 Fish Soup/Sauce
 Other meat 1 (specify)
 Other meat 2 (specify)
 Other meat 3 (specify)
 Did not have any of this category
 Don't Know
 Refused

Other 1: Please specify
 Other 2: Please specify
 Other 3: Please specify

text
text
text

begin repeat

How much [H24_name] in total did your household consume in the past 7 days?
 Enter -88 for Don't Know Enter -99 for Refused

number

INDICATE IN WHAT UNIT THE RESPONDENT GAVE THEIR ANSWER

Kilogramme(s)
 Tin
 Litre
 Cup
 Milliliter
 Piece / slice / portion
 Gram
 Sachet/tube
 Heap
 50 Kg. bag
 90 Kg. bag
 Boite MADCO
 Bunch
 Pail (small)
 Pail (large)
 Teaspoon
 Tablespoon
 Basket (Dengu) (Shelled)
 Basket (Dengu) (Unshelled)
 Bale
 Ox-cart (Unshelled)
 Basin
 Unit/Item
 Other (specify)
 Don't know

Other (specify)	Refuse
How much [H24_name] in total did your household consume in the past 7 days came from purchases? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much did you spend on the [H24_name] consumed in the Past 7 days? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H24_name] came from your own production? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H24_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H24_name] came from gifts or other sources? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H24_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
<i>end repeat</i>	
Over the past 7 days, did you or others in your household consume any of the following items?	<ul style="list-style-type: none"> Mango Banana Citrus – orange, etc. Pineapple Papaya Guava, Chinese guava Avocado Wild fruit (Cactus, soursop...) Lychee Baobab Coconut Apple Tamarind Other fruits 1 (specify) Other fruits 2 (specify) Other fruits 3 (specify) Did not have any of this category

	Don't Know Refused
Other 1: Please specify	<i>text</i>
Other 2: Please specify	<i>text</i>
Other 3: Please specify	<i>text</i>
<i>begin repeat</i>	
How much [H30_name] in total did your household consume in the past 7 days? Enter -88 for Don't Know Enter -99 for Refused	<i>Number</i>
Indicate in what unit the respondent gave their answer	Kilogramme(s) Tin Litre Cup Milliliter Piece / slice / portion Gram Sachet/tube Heap 50 Kg. bag 90 Kg. bag Boite MADCO Bunch Pail (small) Pail (large) Teaspoon Tablespoon Basket (Dengu) (Shelled) Basket (Dengu) (Unshelled) Bale Ox-cart (Unshelled) Basin Unit/Item Other (specify) Don't know Refuse
Other (specify)	<i>text</i>
How much [H30_name] in total did your household consume in the past 7 days came from purchases? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>

How much did you spend on the [H30_name] consumed in the Past 7 days? *number*
 (Malagasy Ariary)
 Enter -88 for Don't Know Enter -99 for Refused

How much [H30_name] came from your own production? *number*
 Enter -88 for Don't Know Enter -99 for Refused

How much it would have cost to buy that much [H30_name] if you had to purchase it in the market today? (Malagasy Ariary) *number*
 Enter -88 for Don't Know Enter -99 for Refused

How much [H30_name] came from gifts or other sources? *number*
 Enter -88 for Don't Know Enter -99 for Refused

How much it would have cost to buy that much [H30_name] if you had to purchase it in the market today? (Malagasy Ariary)
 Enter -88 for Don't Know Enter -99 for Refused

end repeat

Over the past 7 days, did you or others in your household consume any of the following items?

- Fresh milk
- Powdered milk
- Margarine - JADIDA
- Butter
- Soured milk (Abobo)
- Yoghurt
- Cheese
- Infant feeding formula (for bottle)
- Other milk 1 (specify)
- Other milk 2 (specify)
- Other milk 3 (specify)
- Did not have any of this category
- Don't Know
- Refused

Other 1: Please specify *text*
 Other 2: Please specify *text*
 Other 3: Please specify *text*

begin repeat

How much [H35_name] in total did your household consume in the past 7 days? *number*
 Enter -88 for Don't Know Enter -99 for Refused

Indicate in what unit the respondent gave their answer *Kilogramme(s)*

Tin
 Litre
 Cup
 Milliliter
 Piece / slice / portion
 Gram
 Sachet/tube
 Heap
 50 Kg. bag
 90 Kg. bag
 Boite MADCO
 Bunch
 Pail (small)
 Pail (large)
 Teaspoon
 Tablespoon
 Basket (Dengu) (Shelled)
 Basket (Dengu) (Unshelled)
 Bale
 Ox-cart (Unshelled)
 Basin
 Unit/Item
 Other (specify)
 Don't know
 Refuse

Other (specify)

text

How much [H35_name] in total did your household consume in the past 7 days came from purchases?
 Enter -88 for Don't Know Enter -99 for Refused

number

How much did you spend on the [H35_name] consumed in the Past 7 days? In dollars
 Enter -88 for Don't Know Enter -99 for Refused

Enter -88 for Don't Know Enter -99 for Refused

How much [H35_name] came from your own production
 Enter -88 for Don't Know Enter -99 for Refused

Enter -88 for Don't Know Enter -99 for Refused

How much it would have cost to buy that much [H35_name] if you had to purchase it in the market today? (Malagasy Ariary)
 Enter -88 for Don't Know Enter -99 for Refused

Enter -88 for Don't Know Enter -99 for Refused

How much [H35_name] came from gifts or other sources?
Enter -88 for Don't Know Enter -99 for Refused

Enter -88 for Don't Know Enter -99 for Refused

How much it would have cost to buy that much [H35_name] if you had to purchase it in the market today? (Malagasy Ariary)
Enter -88 for Don't Know Enter -99 for Refused

Enter -88 for Don't Know Enter -99 for Refused

end repeat

Over the past 7 days, did you or others in your household consume any of the following items?

Sugar
Sugar Cane
Cooking oil
Coco butter
Other sugars, fats, or oils 1 (specify)
Other sugars, fats, or oils 2 (specify)
Other sugars, fats, or oils 3(specify)

Did not have any of this category
Don't Know
Refused

Other 1: Please specify
Other 2: Please specify
Other 3: Please specify

text
text
text

begin repeat

How much [H41_name] in total did your household consume in the past 7 days?
Enter -88 for Don't Know Enter -99 for Refused

number

Indicate in what unit the respondent gave their answer

Kilogramme(s)
Tin
Litre
Cup
Milliliter
Piece / slice / portion
Gram
Sachet/tube
Heap
50 Kg. bag
90 Kg. bag
Boite MADCO
Bunch
Pail (small)

- Pail (large)
- Teaspoon
- Tablespoon
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Ox-cart (Unshelled)
- Basin
- Unit/Item
- Other (specify)
- Don't know
- Refuse

Other (specify)

text

How much [H41_name] in total did your household consume in the past 7 days came from purchases?
Enter -88 for Don't Know Enter -99 for Refused

number

How much did you spend on the [H41_name] consumed in the Past 7 days? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused

number

How much [H41_name] came from your own production?
Enter -88 for Don't Know Enter -99 for Refused

number

How much it would have cost to buy that much [H41_name] if you had to purchase it in the market today? (Malagasy Ariary)
Enter -88 for Don't Know Enter -99 for Refused

number

How much [H41_name] came from gifts or other sources?
Enter -88 for Don't Know Enter -99 for Refused

number

How much it would have cost to buy that much [H41_name] if you had to purchase it in the market today? (Malagasy Ariary)
Enter -88 for Don't Know Enter -99 for Refused

number

end repeat

Over the past 7 days, did you or others in your household consume any of the following items?

- Tea
- Coffee
- Cocoa, Milo
- Foster clark
- Fruit juice

Soft drinks (Coca-Cola, Fanta, Sprite, etc.)
 Traditional rum, locally made (betsabetsa...)
 Bottled water
 Bottled / canned beer (Carlsberg, etc.)
 Mangidy
 Wine or commercial liquor
 Other beverages 1 (specify)
 Other beverages 2 (specify)
 Other beverages 3 (specify)
 Did not have any of this category
 Don't Know
 Refused

Other 1: Please specify
 Other 2: Please specify
 Other 3: Please specify

text
text
text

begin repeat

How much [H47_name] in total did your household consume in the past 7 days? Enter -88 for Don't Know Enter -99 for Refused

number

Indicate in what unit the respondent gave their answer

Kilogramme(s)
 Tin
 Litre
 Cup
 Milliliter
 Piece / slice / portion
 Gram
 Sachet/tube
 Heap
 50 Kg. bag
 90 Kg. bag
 Boite MADCO
 Bunch
 Pail (small)
 Pail (large)
 Teaspoon
 Tablespoon
 Basket (Dengu) (Shelled)
 Basket (Dengu) (Unshelled)
 Bale
 Ox-cart (Unshelled)

	Basin Unit/Item Other (specify) Don't know Refuse
Other (specify)	<i>text</i>
How much [H47_name] in total did your household consume in the past 7 days came from purchases? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much did you spend on the [H47_name] consumed in the Past 7 days? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H47_name] came from your own production? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H47_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much [H47_name] came from gifts or other sources? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much it would have cost to buy that much [H47_name] if you had to purchase it in the market today? (Malagasy Ariary) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
<i>end repeat</i>	
Over the past 7 days, did you or others in your household consume any of the following items?	Salt Spices (Curry, black pepper, clove, cinnamon) Yeast, baking powder, bicarbonate of soda Tomato sauce (bottle) Hot sauce (Sakay, etc.) Jam, jelly Sweets, candy, chocolates Honey Other spices, condiments, etc. 1 (specify)

	Other spices, condiments, etc. 2 (specify)
	Other spices, condiments, etc. 3 (specify)
	Did not have any of this category
	Don't Know
	Refused
Other 1: Please specify	<i>text</i>
Other 2: Please specify	<i>text</i>
Other 3: Please specify	<i>text</i>

begin repeat

How much [H53_name] in total did your household consume in the past 7 days?

Enter -88 for Don't Know Enter -99 for Refused

number

Indicate in what unit the respondent gave their answer

- Kilogramme(s)
- Tin
- Litre
- Cup
- Milliliter
- Piece / slice / portion
- Gram
- Sachet/tube
- Heap
- 50 Kg. bag
- 90 Kg. bag
- Boite MADCO
- Bunch
- Pail (small)
- Pail (large)
- Teaspoon
- Tablespoon
- Basket (Dengu) (Shelled)
- Basket (Dengu) (Unshelled)
- Bale
- Ox-cart (Unshelled)
- Basin
- Unit/Item
- Other (specify)
- Don't know
- Refuse

Other (specify)

text

How much [H53_name] in total did your household consume in the past 7 days came from purchases? *number*
 Enter -88 for Don't Know Enter -99 for Refused

How much did you spend on the [H53_name] consumed in the Past 7 days? *number*
 Malagasy Ariary
 Enter -88 for Don't Know Enter -99 for Refused

How much [H53_name] came from your own production? *number*
 Enter -88 for Don't Know Enter -99 for Refused

How much it would have cost to buy that much [H53_name] if you had to purchase it in the market today? (Malagasy Ariary) *number*
 Enter -88 for Don't Know Enter -99 for Refused

How much [H53_name] came from gifts or other sources? *number*
 Enter -88 for Don't Know Enter -99 for Refused

How much it would have cost to buy that much [H53_name] if you had to purchase it in the market today? (Malagasy Ariary) *number*
 Enter -88 for Don't Know Enter -99 for Refused

end repeat

Over the past 7 days, did you or others in your household consume any of the following items?

- Maize - boiled or roasted (vendor)
- Chips (vendor)
- Cassava - boiled (vendor)
- Eggs - boiled (vendor)
- Chicken (vendor)
- Meat, skewers (vendor)
- Mofo gasy, Menakely, Ramanonaka, Mofo akondro
- Fish (vendor)
- Sweet potatoes
- Samosa, nems (vendor)
- Meal eaten at restaurant (Compose...)
- Koba
- Soup
- Slaw salad
- Other cooked foods from vendors 1 (specify)

Other cooked foods from vendors 2
(specify)

Other cooked foods from vendors 3
(specify)

Did not have any of this category
Don't Know
Refused

Other 1: Please specify

text

Other 2: Please specify

text

Other 3: Please specify

text

begin repeat

How much [H59_name] in total did your household consume in the past 7 days?

number

Enter -88 for Don't Know Enter -99 for Refused

Indicate in what unit the respondent gave their answer

Kilogramme(s)

Tin

Litre

Cup

Milliliter

Piece / slice / portion

Gram

Sachet/tube

Heap

50 Kg. bag

90 Kg. bag

Boite MADCO

Bunch

Pail (small)

Pail (large)

Teaspoon

Tablespoon

Basket (Dengu) (Shelled)

Basket (Dengu) (Unshelled)

Bale

Ox-cart (Unshelled)

Basin

Unit/Item

Other (specify)

Don't know

Refuse

Other (specify)	<i>text</i>
How much [H59_name] in total did your household consume in the past 7 days came from purchases? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How much did you spend on the [H59_name] consumed in the Past 7 days? Malagasy Ariary Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
<i>end repeat</i>	
Over the past one week (7 days), did any people who are not members of your household eat any meals in your household?	Yes No
Over the past one week (7 days), how many people who are not members of your household ate meals in your household? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Over the past one week (7 days), what was the total number of meals that were shared with people who are not members of your household? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Over the past one week (7 days), did your household purchase pet food for family pets like a cat or a dog?	Yes No
How much did you spend on pet food last week? Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Over the past one week (7 days), were there any other expenditures on pets? How much did you spend on other purchases for pets last week? Enter -88 for Don't Know Enter -99 for Refused	Yes No
Over the past one week (7 days), did your household purchase or pay for any of the following items?	Charcoal, Kitay Petrol Cigarettes or other tobacco Candles Rickshaw (Pousse-pousse) Pirogue (lakana) Matches

Newspapers or magazines
 Public transport - Bicycle Taxi (include any used for school under education costs; include any used for obtaining health care under health expenditures)

Public transport - Bus/Minibus (include any used for school under education costs; include any used for obtaining health care under health expenditures)

Public transport - Other (truck, oxcart, etc.) (include any used for school under education costs; include any used for obtaining health care under health expenditures)

Other 1 (specify)
 Other 2 (specify)
 Other 3 (specify)
 None of these options
 Don't Know
 Refused

Other 1: Please specify
 Other 2: Please specify
 Other 3: Please specify

text
text
text

begin repeat

How much did you pay for [H72_name]? [In the past 7 days]
 Enter -88 for Don't Know Enter -99 for Refused

number

end repeat

Over the past 30 DAYS (one month), did your household use or buy any of the following items?

Milling fees for grains (not including cost of grain itself), grain
 Bar soap (body soap or clothes soap)

 Clothes soap (powder, paste)
 Toothpaste, toothbrush
 Toilet paper
 Glycerin, Vaseline, skin creams, coconut oil, green clay
 Other personal products (shampoo, razor blades, cosmetics, hairproducts, etc.)

 Light bulbs

- Postage stamps or other postal fees (Frais d'envoi pour le taxi - brousse ou DHL)
- Donations - to church, charity, beggar, etc.
- Petrol or diesel
- Motor vehicle service, repair, or parts
- Bicycle service, repair, or parts
- Wages paid to servants
- Repairs to household and personal items (radios, watches, etc., excluding battery purchases)
- Utilities: Natural gas
- Utilities: Electricity
- Utilities: Water
- Batteries
- Recharging of batteries, cell phones, etc.
- Air time for cell phones
- Anything related to illnesses and injuries, including for medicine, tests, consultation, & in-patient fees
- Medical care not related to an illness - preventative health care, prenatal visits, check-ups, etc.
- Non-prescription medicines, for example,
- Other 1 (specify)
- Other 2 (specify)
- Other 3 (specify)
- None of these options
- Don't Know
- Refused

Other 1: Please specify

text

Other 2: Please specify

text

Other 3: Please specify

text

begin repeat

How much did you pay for [H74_name]? [In the past 30 days]

Enter -88 for Don't Know Enter -99 for Refused

end repeat

Over the past 3 months, did your household purchase or pay for any of the following items?

Infant clothing

Baby nappies/diapers
Boy's clothing (trousers, shirts, jackets...)
Boy's undergarments
Men's clothing (trousers, shirt, jackets...)
Men's undergarments
Girl's clothing (blouse/shirt, dress/skirt...)
Girl's undergarments
Women's clothing (blouse/shirt, dress/skirt...)
Women's undergarments
Sarong
Boys shoes
Men's shoes
Girl's shoes
Women's shoes
Cloth, thread, other sewing material
Laundry, dry cleaning, tailoring fees
Bowls, glassware, plates, silverware, etc.
Cooking utensils (cookpots, stirring spoons and whisks, etc.)
Cleaning utensils (brooms, brushes, etc.)

Torch / flashlight
Umbrella
Petrol lamp
Stationery items (excluding school related)
Books (excluding school related)
Music or video cassette or CD/DVD

Tickets for sports / entertainment events
House decorations
Night's lodging in rest house or hotel (excluding school or health related)
Other 1: Specify
Other 2: Specify
Other 3: Specify
None of these options
Don't Know

	Refused
Other 1: Please specify	<i>text</i>
Other 2: Please specify	<i>text</i>
Other 3: Please specify	<i>text</i>
<i>begin repeat</i>	
How much did you pay for [H76_name]? [In the past 3 months] Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
<i>end repeat</i>	

Over the past one year (twelve months), did your household purchase or pay for any of the following items?	<p>Carpet, rugs, drapes, curtains, tsihy</p> <p>Linen - towels, sheets, blankets</p> <p>Mat - sleeping or for drying maize flour</p> <p>Mosquito net</p> <p>Mattress</p> <p>Sports & hobby equipment, musical instruments, toys</p> <p>Film, film processing, camera</p> <p>Cement</p> <p>Bricks</p> <p>Construction timber</p> <p>Purchase of land for non-farming purposes</p> <p>Community obligation insurance - health (MASM, etc.), auto, home, life</p> <p>Fines or legal fees</p> <p>Lobola (bride wealth) costs</p> <p>Marriage ceremony costs</p> <p>Funeral costs, exhumation, circumcision, household members</p> <p>Funeral costs, exhumation, circumcision, non-household members (relatives, neighbors/friends)</p> <p>Hospitalizations or overnight stay in any hospital – total cost for treatment</p> <p>Travel to and from the medical facility for any overnight stay(s) or hospitalization</p>
--	---

Food costs during overnight stay(s) at the medical facility or hospitalization (if not already included above)

Over-night(s) stay at a traditional healer's or faith healer's dwelling – total costs for treatment

Travel costs to the traditional healer's or faith healer's dwelling for overnight stay(s)

Food costs during overnight stay(s) at the traditional healer's or faith healer's dwelling

Tuition, including extra tuition fees

Expenditures on after school programs and tutoring

School books and stationery

School uniform

Boarding fees (including VAT)

Contribution to school building maintenance

Transport to and from school

Parent/Teacher Association and other related fees

Cellphone

Other 1: Specify

Other 2: Specify

Other 3: Specify

None of these options

Don't Know

Refused

Other 1: Please specify

text

Other 2: Please specify

text

Other 3: Please specify

text

begin repeat

How much did you pay for \${H78_name}? [In the past 12 months]

number

end repeat

Over the past one year (twelve months), did your household gather, purchase or pay for any of the following items?

Wood poles, bamboo

Material for the roof

Grass for thatching roof or other use

	Other 1: Specify
	Other 2: Specify
	Other 3: Specify
	None of these options
	Don't Know
	Refused
Other 1: Please specify	<i>text</i>
Other 2: Please specify	<i>text</i>
Other 3: Please specify	<i>text</i>
<i>begin repeat</i>	
What was the estimated total quantity of [H80_name] used? [In the past 12 months] Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
INDICATE IN WHAT UNIT THE RESPONDENT GAVE THEIR ANSWER	OZ KG Ton Sachet/tube Heap Boite MADCO Bunch Pail (small) Pail (large) Basket (Dengu) (Shelled) Basket (Dengu) (Unshelled) Bale Basin Ox-cart (Unshelled) Other (specify) Don't know Refuse
Did your household gather the [H80_name], or did your household purchase or pay for the [H80_name]? [In the past 12 months]	Gathered Purchased Don't Know Refused
What was the total estimated value of [H80_name] that you gathered? (Malagasy Ariary) [In the past 12 months] Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>

What was the total estimated value of [H80_name] that you purchased?
(Malagasy Ariary) [In the
past 12 months]
Enter -88 for Don't Know Enter -99 for Refused

*number**end repeat*

Do you own or are purchasing this house, is it provided to you by an
employer, do you use it for free, or do you rent this house?

Own
Being purchased
Employer provides
Free
Rented
Don't Know
Refused

If you sold this dwelling today, how much would you receive for it in
MALAGASY AR? (-88 does
not know, -99 refused)
Enter -88 for Don't Know Enter -88 for Refused

number

How old is this house, in years? (-88 does not know, -99 refused)
Enter -88 for Don't Know Enter -99 for Refused

number

If you rented this dwelling out today, how much rent would you receive in
MALAGASY AR? (-88
does not know, -99 refused)
Enter -88 for Don't Know Enter -99 for Refused

number

Indicate in what unit the respondent would rent

Day
Week
Month
Year
Don't Know
Refused

How much do you pay to rent this dwelling in MALAGASY AR?

number

Indicate in what unit the respondent would rent

Day
Week
Month
Year
Don't Know
Refused

Do you pay a mortgage on this house, that is, a regular payment towards
purchasing the house?

Yes
No

How often do you make mortgage payments?

- Once a month
- Once every 3 months
- Once every 6 months
- Once a year
- Other (Specify)
- Don't Know
- Refused

other: Please specify

text

How much do you pay each time you make a payment on your mortgage in MALAGASY AR?

Enter -88 for Don't Know Enter -99 for Refused

number

In the past one month, how much did you spend on repairs & maintenance to this house in MALAGASY AR? Enter -88 for Don't Know Enter -99 for Refused

number

Does your household own any of the following items?

- Bed/table/chair
- Fan
- Radio
- Tape or CD/DVD player/VCR
- Television
- Sewing machine
- Kerosene/paraffin stove
- Electric stove; hot plate
- Gas stove
- Refrigerator
- Bicycle
- Boat
- Motorcycle/scooter
- Car
- Mini-bus
- Lorry
- Beer-brewing drum (Toaka, Betsabetsa)
- Sofa
- Cupboard, drawers, bureau
- Lantern (paraffin)
- Desk
- Clock
- Iron (for pressing clothes)
- Computer equipment & accessories

Satellite dish
Solar panel
Generator
None of these options
Don't Know
Refused

begin repeat

How many [H92_name] do you own?
Enter -88 for Don't Know Enter -99 for Refused

number

What is the age of [H92_name] /s?
Enter -88 for Don't Know Enter -99 for Refused

number

If you wanted to sell these [H92_name] /s today, how much would you receive?
Enter -88 for Don't Know Enter -99 for Refused

number

Did you purchase or pay for any of these [H92_name] /s in the last 12 months?

Yes
No

How much did you pay for all these [H92_name] /s all together (total) in the last 12 months?
Enter -88 for Don't Know Enter -99 for Refused

*number****end repeat******Gender Credit and Groups***

Now I'd like to ask about your household's experience with borrowing money or other items in the past 12 months.
This section is for all women and men in a union identified from the household roster (Married or living together)

begin repeat

Please select a name

select name

E: [ENUMERATOR: Is this the first time this person has consented?]

Yes
No

Consent

OBTAIN CONSENT: DOES [K02_calc] AGREE TO PARTICIPATE IN THE SURVEY?

Yes
No
Not Available

YES, CASH

Has anyone in your household taken any loans or borrowed cash/in-kind from Non-governmental organization (NGO) in the past 12 months?	YES, IN-KIND YES, CASH AND IN-KIND NO Don't know Refuse
Who made the decision to borrow from non-governmental organization (NGO)?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
Who makes the decision about what to do with the money/ item borrowed from non-governmental organization (NGO)?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
Has anyone in your household taken any loans or borrowed cash/in-kind from Informal lender in the past 12 months?	YES, CASH YES, IN-KIND YES, CASH AND IN-KIND NO Don't know Refuse
Who made the decision to borrow from Informal lender?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
Who makes the decision about what to do with the money/ item borrowed from Informal lender?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
	YES, CASH

Has anyone in your household taken any loans or borrowed cash/in-kind from Formal lender (bank/financial institution) in the past 12 months?	YES, IN-KIND YES, CASH AND IN-KIND NO Don't know Refuse
Who made the decision to borrow from Formal lender (bank/financial institution)?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
Who makes the decision about what to do with the money/ item borrowed from Formal lender (bank/financial institution)?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
Has anyone in your household taken any loans or borrowed cash/in-kind from friends or relatives in the past 12 months?	YES, CASH YES, IN-KIND YES, CASH AND IN-KIND NO Don't know Refuse
Who made the decision to borrow from Friends or relatives?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
Who makes the decision about what to do with the money/ item borrowed from Friends or relatives?	SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse
	YES, CASH

<p>Has anyone in your household taken any loans or borrowed cash/in-kind from groups based micro- finance or lending including Village Savings and Loan Association (VSLAs)/ Savings and Credit Cooperative Organization (SACCOs) in the past 12 months?</p>	<p>YES, IN-KIND YES, CASH AND IN-KIND NO Don't know Refuse</p>
<p>Who made the decision to borrow from Group based micro-finance or lending including Village Savings and Loan Association (VSLAs)/ Savings and Credit Cooperative Organization (SACCOs)?</p>	<p>SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse</p>
<p>Who makes the decision about what to do with the money/ item borrowed from Group based micro-finance or lending including Village Savings and Loan Association (VSLAs)/ Savings and Credit Cooperative Organization (SACCOs)?</p>	<p>SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse</p>
<p>Has anyone in your household taken any loans or borrowed cash/in-kind from informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc. in the past 12 months?</p>	<p>YES, CASH YES, IN-KIND YES, CASH AND IN-KIND NO Don't know Refuse</p>
<p>Who made the decision to borrow from Informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc.?</p>	<p>SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse</p>
<p>Who makes the decision about what to do with the money/ item borrowed from Informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc.?</p>	<p>SELF PARTNER/SPOUSE OTHER HH MEMBER OTHER NON-HH MEMBER NOT APPLICABLE Don't know Refuse</p>
<p>ENUMERATOR: [Is this person you are currently interviewing a woman?]</p>	<p>Yes</p>

No

CRS Women's only section

Now I would like to ask you a few more questions about the decisions you make in your everyday life

(ENUMERATOR: Please select the name of the woman that you are interviewing)

select name

Over the past 12 months, how much input have you had in making decisions about the amount of production of nutrient-rich crops to keep at home for household members' consumption?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about the amount of animal-source foods to keep for home consumption?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about seeking health services when your child/ren is ill?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about the use of inputs (e.g. fertilizers, seeds, pesticides, compost, etc.) on the household's family plot/ plot controlled by your spouse?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about the use of inputs (e.g. fertilizers, seeds, pesticides, compost, etc.) on your own plot of land?

No input
Low input
Medium input
High input

Over the past 12 months, how much input have you had in making decisions about how to use income generated from the sale of staple agriculture production from the household family plot/ plot controlled by your spouse?

Very High input
Don't know
Refuse

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about how to use income generated from the sale of staple agriculture production from own plot?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about how to use income generated from the sale of high-value agriculture production from the household family plot/ plot controlled by your spouse?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about how to use income generated from the sale of high-value agriculture production from own plot?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

Over the past 12 months, how much input have you had in making decisions about what breeds to raise for livestock that you own?

No input
Low input
Medium input
High input
Very High input
Don't know
Refuse

No input

<p>Over the past 12 months, how much input have you had in making decisions about whether to sell livestock you own yourself?</p>	<p>Low input Medium input High input Very High input Don't know Refuse</p>
<p>Over the past 12 months, how much input have you had in making decisions about how to use income generated from the sale of your own livestock? (large ruminant, small ruminant, poultry)</p>	<p>No input Low input Medium input High input Very High input Don't know Refuse</p>
<p>Over the past 12 months, how much input have you had in making decisions about on your own non-farm economic activities (running a small business, self-employment, buy-and-sell)</p>	<p>No input Low input Medium input High input Very High input Don't know Refuse</p>
<p>Over the past 12 months, how much input have you had in making decisions about how to use the share-out from your SILC group?</p>	<p>No input Low input Medium input High input Very High input Don't know Refuse</p>
<p>Over the past 12 months, how much input have you had in making decisions about routine household purchases (food for daily consumption or other household needs)?</p>	<p>No input Low input Medium input High input Very High input Don't know Refuse</p>
<p>Over the past 12 months, how much input have you had in making decisions about use of household revenue/financial resources to purchase water for household needs (i.e., drinking, cooking, all household's water needs)</p>	<p>No input Low input Medium input High input Very High input Don't know</p>

	Refuse
Over the past 12 months, how much input have you had in making decisions about use of household revenue/financial resources to purchase sanitary products or materials for household or women’s needs	No input Low input Medium input High input Very High input Don't know Refuse
Over the past 12 months, how much input have you had in making decisions about household building a latrine on their own land or communal land	No input Low input Medium input High input Very High input Don't know Refuse
Gender (Cash)	
ENUMERATOR: [Is this person a cash earner?]	Yes No
Please select the name of a cash earner	<i>select name</i>
Have you done any work in the last 12 months?	Yes No
During the last 12 months, were you usually paid in cash or kind for this work or were you not paid at all?	Cash Only Cash and Kind In Kind Only Not Paid Don't know Refuse
When you were paid in cash for this work, was the payment usually made directly to you, to your spouse/partner or to someone else in your household?	Respondent Spouse/Partner Someone else in household (specify) Other (specify) Don't know Refuse

Someone else in household (specify) IF RESPONSE IS SOMEONE ELSE IN HOUSEHOLD OR OTHER, THEN SPECIFY THE RELATIONSHIP TO THE RESPONDENT.	<i>text</i>
Other (specify)	<i>text</i>
Do you usually discuss with someone about how the cash you earn will be used?	Yes No
With whom do you usually talk about how the cash you earn will be used?	Spouse/Partner Someone Else in the household (specify) Other (specify) Don't know Refuse
What is your relationship to the person you make decisions with?	<i>text</i>
What is your relationship to the person who makes decisions?	<i>text</i>
Who usually decides how the cash you earn will be used?	Yourself Spouse/Partner Yourself and Spouse/Partner Jointly Yourself and Other Jointly (specify) Other (specify) Don't know Refuse
What is your relationship to the person you make decisions with?	<i>text</i>
What is your relationship to the person who makes decisions?	<i>text</i>
Who usually makes decisions about making major household purchases?	Yourself Spouse/Partner Yourself and Spouse/Partner Jointly Yourself and Other Jointly (specify) Other (specify) Don't know Refuse

What is your relationship to the person you make decisions with?	<i>text</i>
What is your relationship to the person who makes decisions?	<i>text</i>
Has your spouse/partner done any work in the last 12 months?	Yes No
During the last 12 months, was he usually paid in cash or kind for this work or was he not paid at all?	Cash only Cash and kind In kind only Not paid Don't know Refuse
Who usually decides how the cash he earns will be used?	Yourself Spouse/Partner Yourself and Spouse/Partner Jointly Yourself and Other Jointly (specify) Other (specify) Don't know Refuse

end repeat

Resilience

Now I would like to speak with the head of household or another responsible adult member

Please select the name of the head of household or responsible adult *select name*

R: [ENUMERATOR: Is this the first time the respondent gave his consent?] Yes
No

Consent Yes
No

Over the last year (12 months) did your household experience?
If experienced shock more than once, use the month of the most recent occurrence Yes
No
Don't Know
Refused

Variable rain/drought Yes
No
Don't Know

	Refused
Excessive landslides/erosion	Yes No Don't Know Refused
Crop disease (rust on wheat, sorghum)	Yes No Don't Know Refused
Crop pests (locusts, fall army worm)	Yes No Don't Know Refused
Weeds (e.g., associated with striga)	Yes No Don't Know Refused
Livestock disease	Yes No Don't Know Refused
Human disease outbreaks (from contaminated water)	Yes No Don't Know Refused
Theft or destruction of assets	Yes No Don't Know Refused
Theft of livestock (raids)	Yes No Don't Know Refused
Delay in PSNP food assistance	Yes No Don't Know Refused

Increasing food prices	Yes No Don't Know Refused
Increased prices of agricultural or livestock inputs	Yes No Don't Know Refused
Decreased prices for agricultural or livestock products	Yes No Don't Know Refused
Loss of land/rental property	Yes No Don't Know Refused
Death of household member	Yes No Don't Know Refused
In which month did the following shocks start? If this is not applicable please skip to the next section	
Variable rain/drought	February 2020 or before March April May June July August September October November December January February 2021 Don't know Refuse

Excessive landslides/erosion	February 2020 or before March April May June July August September October November December January February 2021 Don't know Refuse
Crop disease (rust on wheat, sorghum)	February 2020 or before March April May June July August September October November December January February 2021 Don't know Refuse
Crop pests (locusts, fall army worm)	February 2020 or before March April May June July August September October November December January February 2021 Don't know

	Refuse
Weeds (e.g., associated with striga)	February 2020 or before March April May June July August September October November December January February 2021 Don't know Refuse
Livestock disease	February 2020 or before March April May June July August September October November December January February 2021 Don't know Refuse
Human disease outbreaks (from contaminated water)	February 2020 or before March April May June July August September October November December

	<p>January</p> <p>February 2021</p> <p>Don't know</p> <p>Refuse</p>
Theft or destruction of assets	<p>February 2020 or before</p> <p>March</p> <p>April</p> <p>May</p> <p>June</p> <p>July</p> <p>August</p> <p>September</p> <p>October</p> <p>November</p> <p>December</p> <p>January</p> <p>February 2021</p> <p>Don't know</p> <p>Refuse</p>
Theft of livestock (raids)	<p>February 2020 or before</p> <p>March</p> <p>April</p> <p>May</p> <p>June</p> <p>July</p> <p>August</p> <p>September</p> <p>October</p> <p>November</p> <p>December</p> <p>January</p> <p>February 2021</p> <p>Don't know</p> <p>Refuse</p>
Delay in PSNP food assistance	<p>February 2020 or before</p> <p>March</p> <p>April</p> <p>May</p> <p>June</p> <p>July</p> <p>August</p> <p>September</p> <p>October</p>

	November
	December
	January
	February 2021
	Don't know
	Refuse
Increasing food prices	February 2020 or before
	March
	April
	May
	June
	July
	August
	September
	October
	November
	December
	January
	February 2021
	Don't know
	Refuse
Increased prices of agricultural or livestock inputs	February 2020 or before
	March
	April
	May
	June
	July
	August
	September
	October
	November
	December
	January
	February 2021
	Don't know
	Refuse
Decreased prices for agricultural or livestock products	February 2020 or before
	March
	April
	May
	June
	July

	August
	September
	October
	November
	December
	January
	February 2021
	Don't know
	Refuse
Loss of land/rental property	February 2020 or before
	March
	April
	May
	June
	July
	August
	September
	October
	November
	December
	January
	February 2021
	Don't know
	Refuse
Death of household member	February 2020 or before
	March
	April
	May
	June
	July
	August
	September
	October
	November
	December
	January
	February 2021
	Don't know
	Refuse

How severe was the impact of ... on your household's income over the last 12 months?

If this is not applicable please skip to the next section

Variable rain/drought

No impact
Slight decrease
Severe increase
Worst ever happened
Don't know
Refuse

Excessive landslides/erosion

No impact
Slight decrease
Severe increase
Worst ever happened
Don't know
Refuse

Crop disease (rust on wheat, sorghum)

No impact
Slight decrease
Severe increase
Worst ever happened
Don't know
Refuse

Crop pests (locusts, fall army worm)

No impact
Slight decrease
Severe increase
Worst ever happened
Don't know
Refuse

Weeds (e.g., associated with striga)

No impact
Slight decrease
Severe increase
Worst ever happened
Don't know
Refuse

Livestock disease

No impact
Slight decrease
Severe increase
Worst ever happened
Don't know

	Refuse
Human disease outbreaks (from contaminated water)	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Theft or destruction of assets	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Theft of livestock (raids)	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Delay in PSNP food assistance	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Increasing food prices	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Increased prices of agricultural or livestock inputs	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Decreased prices for agricultural or livestock products	No impact Slight decrease

	Severe increase Worst ever happened Don't know Refuse
Loss of land/rental property	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Death of household member	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
How severe was the impact of ... on your household's food consumption over the last 12 months? If this is not applicable please skip to the next section	
Variable rain/drought	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Excessive landslides/erosion	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse
Crop disease (rust on wheat, sorghum)	No impact Slight decrease Severe increase Worst ever happened Don't know Refuse

Crop pests (locusts)	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Weeds (e.g., associated with striga)	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Livestock disease	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Human disease outbreaks (from contaminated water)	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Theft or destruction of assets	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Theft of livestock (raids)	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Delay in PSNP food assistance	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p>

	<p>Don't know</p> <p>Refuse</p>
Increasing food prices	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Increased prices of agricultural or livestock inputs	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Decreased prices for agricultural or livestock products	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Loss of land/rental property	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
Death of household member	<p>No impact</p> <p>Slight decrease</p> <p>Severe increase</p> <p>Worst ever happened</p> <p>Don't know</p> <p>Refuse</p>
How has your household coped with... in the past 12 months? If this is not applicable please skip to the next section	
How did your household cope with rain/drought over the last 12 months?	<p>Sent livestock in search of pasture</p> <p>Sold livestock</p> <p>Slaughtered livestock</p> <p>Leased out land</p>

Household member migrated for work

Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption (quantity/meal; # of meals/day)

Reduced non-essential household expenses

Got food on credit from local merchant

Took up new/additional work (casual labor, wage labor)

Sold household items (e.g. radio, bed)

Sold productive assets (e.g., plough, water pump)

Took out a loan (with interest) from a (formal) bank

Took out a loan (with interest) from an MFI or village savings group

Took out a loan (with interest) from a money-lender

Took out a loan (no interest) from friends or relatives within the community (bonding)

Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

How did your household cope with landslides/erosion over the last 12 months?

- Received emergency cash transfer from the government or NGO
- Participated in government or NGO food-for-work or cash-for-work activities (conditional)
- Used own savings
- Relied on remittances from a relative that migrated
- Other (specify)
- Did nothing
- Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)
- Don't know
- Refuse
- Sent livestock in search of pasture
- Sold livestock
- Slaughtered livestock
- Leased out land
- Household member migrated for work
- Migrate (whole family)
- Sent children or adult to stay with relatives
- Took children out of school
- Moved to less expensive housing
- Reduced food consumption (quantity/meal; # of meals/day)
- Reduced non-essential household expenses
- Got food on credit from local merchant
- Took up new/additional work (casual labor, wage labor)
- Sold household items (e.g. radio, bed)
- Sold productive assets (e.g., plough, water pump)
- Took out a loan (with interest) from a (formal) bank
- Took out a loan (with interest) from an MFI or village savings group
- Took out a loan (with interest) from a money-lender

Took out a loan (no interest) from friends or relatives within the community (bonding)

Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

Received emergency cash transfer from the government or NGO

Participated in government or NGO food-for-work or cash-for-work activities (conditional)

Used own savings

Relied on remittances from a relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)

Don't know

Refuse

How did your household cope with crop disease (rust on wheat, sorghum) over the last 12 months?

Sent livestock in search of pasture

Sold livestock

Slaughtered livestock

Leased out land

Household member migrated for work

Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption
(quantity/meal; # of meals/day)

Reduced non-essential
household expenses

Got food on credit from local
merchant

Took up new/additional work
(casual labor, wage labor)

Sold household items (e.g. radio,
bed)

Sold productive assets (e.g.,
plough, water pump)

Took out a loan (with interest) from
a (formal) bank

Took out a loan (with interest) from
an MFI or village savings group

Took out a loan (with interest) from
a money-lender

Took out a loan (no interest) from
friends or relatives within the community
(bonding)

Took out a loan (no interest) from friends
or relatives outside of the
community (bridging)

Unconditional gift of money (not
remittances) or food from family, friends,
church or other group within
community (bonding)

Unconditional gift of money (not
remittances) or food from family, friends,
church or other group
outside of community (bridging)

Sent children to work for money
(e.g., domestic service)

Received emergency food aid from
the government or NGO

Received emergency cash transfer
from the government or NGO

Participated in government or NGO food-
for-work or cash-for-work
activities (conditional)

Used own savings

Relied on remittances from a
relative that migrated

How did your household cope with crop pests (locusts) over the last 12 months?

- Other (specify)
- Did nothing
- Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)
- Don't know
- Refuse
- Sent livestock in search of pasture
- Sold livestock
- Slaughtered livestock
- Leased out land
- Household member migrated for work
- Migrate (whole family)
- Sent children or adult to stay with relatives
- Took children out of school
- Moved to less expensive housing
- Reduced food consumption (quantity/meal; # of meals/day)
- Reduced non-essential household expenses
- Got food on credit from local merchant
- Took up new/additional work (casual labor, wage labor)
- Sold household items (e.g. radio, bed)
- Sold productive assets (e.g., plough, water pump)
- Took out a loan (with interest) from a (formal) bank
- Took out a loan (with interest) from an MFI or village savings group
- Took out a loan (with interest) from a money-lender
- Took out a loan (no interest) from friends or relatives within the community (bonding)
- Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

Received emergency cash transfer from the government or NGO

Participated in government or NGO food-for-work or cash-for-work activities (conditional)

Used own savings

Relied on remittances from a relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)

Don't know

Refuse

How did your household cope with weeds (e.g., associated with striga) over the last 12 months?

Sent livestock in search of pasture
Sold livestock

Slaughtered livestock

Leased out land

Household member migrated for work

Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption (quantity/meal; # of meals/day)

Reduced non-essential household expenses

Got food on credit from local merchant

Took up new/additional work (casual labor, wage labor)

Sold household items (e.g. radio, bed)

Sold productive assets (e.g., plough, water pump)

Took out a loan (with interest) from a (formal) bank

Took out a loan (with interest) from an MFI or village savings group

Took out a loan (with interest) from a money-lender

Took out a loan (no interest) from friends or relatives within the community (bonding)

Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

Received emergency cash transfer from the government or NGO

Participated in government or NGO food-for-work or cash-for-work activities (conditional)

Used own savings

Relied on remittances from a relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)

How did your household cope with livestock disease over the last 12 months?

Don't know

Refuse

Sent livestock in search of pasture

Sold livestock

Slaughtered livestock

Leased out land

Household member migrated for work

Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption (quantity/meal; # of meals/day)

Reduced non-essential household expenses

Got food on credit from local merchant

Took up new/additional work (casual labor, wage labor)

Sold household items (e.g. radio, bed)

Sold productive assets (e.g., plough, water pump)

Took out a loan (with interest) from a (formal) bank

Took out a loan (with interest) from an MFI or village savings group

Took out a loan (with interest) from a money-lender

Took out a loan (no interest) from friends or relatives within the community (bonding)

Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

Received emergency cash transfer from the government or NGO

Participated in government or NGO food-for-work or cash-for-work activities (conditional)

Used own savings

Relied on remittances from a relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)

Don't know

Refuse

How did your household cope with human disease outbreaks (from contaminated water) over the last 12 months?

Sent livestock in search of pasture

Sold livestock

Slaughtered livestock

Leased out land

Household member migrated for work

Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption (quantity/meal; # of meals/day)

Reduced non-essential household expenses

Got food on credit from local merchant

Took up new/additional work (casual labor, wage labor)

Sold household items (e.g. radio, bed)

- Sold productive assets (e.g., plough, water pump)
- Took out a loan (with interest) from a (formal) bank
- Took out a loan (with interest) from an MFI or village savings group
- Took out a loan (with interest) from a money-lender
- Took out a loan (no interest) from friends or relatives within the community (bonding)
- Took out a loan (no interest) from friends or relatives outside of the community (bridging)
- Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

- Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)
- Sent children to work for money (e.g., domestic service)
- Received emergency food aid from the government or NGO

- Received emergency cash transfer from the government or NGO
- Participated in government or NGO food-for-work or cash-for-work activities (conditional)
- Used own savings
- Relied on remittances from a relative that migrated
- Other (specify)
- Did nothing
- Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)
- Don't know
- Refuse

How did your household cope with theft or destruction of assets over the last 12 months?

- Sent livestock in search of pasture
- Sold livestock
- Slaughtered livestock

Leased out land
Household member migrated for work
Migrate (whole family)
Sent children or adult to stay with relatives
Took children out of school
Moved to less expensive housing
Reduced food consumption (quantity/meal; # of meals/day)
Reduced non-essential household expenses
Got food on credit from local merchant
Took up new/additional work (casual labor, wage labor)
Sold household items (e.g. radio, bed)
Sold productive assets (e.g., plough, water pump)
Took out a loan (with interest) from a (formal) bank
Took out a loan (with interest) from an MFI or village savings group
Took out a loan (with interest) from a money-lender
Took out a loan (no interest) from friends or relatives within the community (bonding)
Took out a loan (no interest) from friends or relatives outside of the community (bridging)
Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)
Sent children to work for money (e.g., domestic service)
Received emergency food aid from the government or NGO

	<p>Received emergency cash transfer from the government or NGO</p> <p>Participated in government or NGO food-for-work or cash-for-work activities (conditional)</p> <p>Used own savings</p> <p>Relied on remittances from a relative that migrated</p> <p>Other (specify)</p> <p>Did nothing</p> <p>Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)</p> <p>Don't know</p> <p>Refuse</p>
<p>How did your household cope with theft of livestock (raids) over the last 12 months?</p>	<p>Sent livestock in search of pasture</p> <p>Sold livestock</p> <p>Slaughtered livestock</p> <p>Leased out land</p> <p>Household member migrated for work</p> <p>Migrate (whole family)</p> <p>Sent children or adult to stay with relatives</p> <p>Took children out of school</p> <p>Moved to less expensive housing</p> <p>Reduced food consumption (quantity/meal; # of meals/day)</p> <p>Reduced non-essential household expenses</p> <p>Got food on credit from local merchant</p> <p>Took up new/additional work (casual labor, wage labor)</p> <p>Sold household items (e.g. radio, bed)</p> <p>Sold productive assets (e.g., plough, water pump)</p> <p>Took out a loan (with interest) from a (formal) bank</p> <p>Took out a loan (with interest) from an MFI or village savings group</p> <p>Took out a loan (with interest) from a money-lender</p>

Took out a loan (no interest) from friends or relatives within the community (bonding)

Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

Received emergency cash transfer from the government or NGO

Participated in government or NGO food-for-work or cash-for-work activities (conditional)

Used own savings

Relied on remittances from a relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)

Don't know

Refuse

How did your household cope with delay in PSNP food assistance over the last 12 months?

Sent livestock in search of pasture

Sold livestock

Slaughtered livestock

Leased out land

Household member migrated for work

Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption
(quantity/meal; # of meals/day)

Reduced non-essential household
expenses

Got food on credit from local
merchant

Took up new/additional work
(casual labor, wage labor)

Sold household items (e.g. radio,
bed)

Sold productive assets (e.g.,
plough, water pump)

Took out a loan (with interest) from
a (formal) bank

Took out a loan (with interest) from
an MFI or village savings group

Took out a loan (with interest) from
a money-lender

Took out a loan (no interest) from friends
or relatives within the
community (bonding)

Took out a loan (no interest) from
friends or relatives outside of the
community (bridging)

Unconditional gift of money (not
remittances) or food from family, friends,
church or other group within
community (bonding)

Unconditional gift of money (not
remittances) or food from family, friends,
church or other group
outside of community (bridging)

Sent children to work for money
(e.g., domestic service)

Received emergency food aid from the
government or NGO

Received emergency cash transfer
from the government or NGO

Participated in government or NGO food-
for-work or cash-for-work
activities (conditional)

Used own savings

Relied on remittances from a
relative that migrated

How did your household cope with increasing food prices over the last 12 months?

- Other (specify)
- Did nothing
- Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)
- Don't know
- Refuse
- Sent livestock in search of pasture
- Sold livestock
- Slaughtered livestock
- Leased out land
- Household member migrated for work
- Migrate (whole family)
- Sent children or adult to stay with relatives
- Took children out of school
- Moved to less expensive housing
- Reduced food consumption (quantity/meal; # of meals/day)
- Reduced non-essential household expenses
- Got food on credit from local merchant
- Took up new/additional work (casual labor, wage labor)
- Sold household items (e.g. radio, bed)
- Sold productive assets (e.g., plough, water pump)
- Took out a loan (with interest) from a (formal) bank
- Took out a loan (with interest) from an MFI or village savings group
- Took out a loan (with interest) from a money-lender
- Took out a loan (no interest) from friends or relatives within the community (bonding)
- Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

Received emergency cash transfer from the government or NGO

Participated in government or NGO food-for-work or cash-for-work activities (conditional)

Used own savings

Relied on remittances from a relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)

Don't know

Refuse

How did your household cope with increased prices of agricultural or livestock inputs over the last 12 months?

Sent livestock in search of pasture

Sold livestock

Slaughtered livestock

Leased out land

Household member migrated for work

Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption (quantity/meal; # of meals/day)

Reduced non-essential household expenses

Got food on credit from local merchant

Took up new/additional work
(casual labor, wage labor)

Sold household items (e.g. radio,
bed)

Sold productive assets (e.g.,
plough, water pump)

Took out a loan (with interest) from
a (formal) bank

Took out a loan (with interest) from
an MFI or village savings group

Took out a loan (with interest) from
a money-lender

Took out a loan (no interest) from friends
or relatives within the
community (bonding)

Took out a loan (no interest) from friends
or relatives outside of the
community (bridging)

Unconditional gift of money (not
remittances) or food from family, friends,
church or other group within
community (bonding)

Unconditional gift of money (not
remittances) or food from family, friends,
church or other group
outside of community (bridging)

Sent children to work for money
(e.g., domestic service)

Received emergency food aid from
the government or NGO

Received emergency cash transfer
from the government or NGO

Participated in government or NGO
food-for-work or cash-for-work activities
(conditional)

Used own savings

Relied on remittances from a
relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g.,
prayed, sacrifices, etc.)

Don't know

Refuse

How did your household cope with decreased prices for agricultural or livestock products over the last 12 months?

Sent livestock in search of pasture
Sold livestock
Slaughtered livestock
Leased out land
Household member migrated for work
Migrate (whole family)
Sent children or adult to stay with relatives
Took children out of school
Moved to less expensive housing
Reduced food consumption (quantity/meal; # of meals/day)
Reduced non-essential household expenses
Got food on credit from local merchant
Took up new/additional work (casual labor, wage labor)
Sold household items (e.g. radio, bed)
Sold productive assets (e.g., plough, water pump)
Took out a loan (with interest) from a (formal) bank
Took out a loan (with interest) from an MFI or village savings group
Took out a loan (with interest) from a money-lender
Took out a loan (no interest) from friends or relatives within the community (bonding)
Took out a loan (no interest) from friends or relatives outside of the community (bridging)
Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

How did your household cope with loss of land/rental property over the last 12 months?

- Sent children to work for money (e.g., domestic service)
- Received emergency food aid from the government or NGO
- Received emergency cash transfer from the government or NGO
- Participated in government or NGO food-for-work or cash-for-work activities (conditional)
- Used own savings
- Relied on remittances from a relative that migrated
- Other (specify)
- Did nothing
- Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)
- Don't know
- Refuse
- Sent livestock in search of pasture
- Sold livestock
- Slaughtered livestock
- Leased out land
- Household member migrated for work
- Migrate (whole family)
- Sent children or adult to stay with relatives
- Took children out of school
- Moved to less expensive housing
- Reduced food consumption (quantity/meal; # of meals/day)
- Reduced non-essential household expenses
- Got food on credit from local merchant
- Took up new/additional work (casual labor, wage labor)
- Sold household items (e.g. radio, bed)
- Sold productive assets (e.g., plough, water pump)
- Took out a loan (with interest) from a (formal) bank

How did your household cope with death of household member over the last 12 months?

- Took out a loan (with interest) from an MFI or village savings group
- Took out a loan (with interest) from a money-lender
- Took out a loan (no interest) from friends or relatives within the community (bonding)
- Took out a loan (no interest) from friends or relatives outside of the community (bridging)
- Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)
- Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)
- Sent children to work for money (e.g., domestic service)
- Received emergency food aid from the government or NGO
- Received emergency cash transfer from the government or NGO
- Participated in government or NGO food-for-work or cash-for-work activities (conditional)
- Used own savings
- Relied on remittances from a relative that migrated
- Other (specify)
- Did nothing
- Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)
- Don't know
- Refuse
- Sent livestock in search of pasture
- Sold livestock
- Slaughtered livestock
- Leased out land
- Household member migrated for work
- Migrate (whole family)

Sent children or adult to stay with relatives

Took children out of school

Moved to less expensive housing

Reduced food consumption (quantity/meal; # of meals/day)

Reduced non-essential household expenses

Got food on credit from local merchant

Took up new/additional work (casual labor, wage labor)

Sold household items (e.g. radio, bed)

Sold productive assets (e.g., plough, water pump)

Took out a loan (with interest) from a (formal) bank

Took out a loan (with interest) from an MFI or village savings group

Took out a loan (with interest) from a money-lender

Took out a loan (no interest) from friends or relatives within the community (bonding)

Took out a loan (no interest) from friends or relatives outside of the community (bridging)

Unconditional gift of money (not remittances) or food from family, friends, church or other group within community (bonding)

Unconditional gift of money (not remittances) or food from family, friends, church or other group outside of community (bridging)

Sent children to work for money (e.g., domestic service)

Received emergency food aid from the government or NGO

Received emergency cash transfer from the government or NGO

To what extent has your household been able to recover from ... you experienced over the last 12 months?

If this is not applicable please skip to the next section

Variable rain/drought

Excessive landslides/erosion

Crop disease (rust on wheat, sorghum)

Participated in government or NGO food-for-work or cash-for-work activities (conditional)

Used own savings

Relied on remittances from a relative that migrated

Other (specify)

Did nothing

Engaged in spiritual efforts (e.g., prayed, sacrifices, etc.)

Don't know

Refuse

Did not recover

Fully recovered, same as before shock

Fully recovered, and better than before the shock

Partially recovered

Not affected

Don't know

Refuse

Did not recover

Fully recovered, same as before shock

Fully recovered, and better than before the shock

Partially recovered

Not affected

Don't know

Refuse

Did not recover

Fully recovered, same as before shock

Fully recovered, and better than before the shock

Partially recovered

Not affected

Don't know

Crop pests (locusts, fall army worm)	<p>Refuse</p> <p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Weeds (e.g., associated with striga)	<p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Livestock disease	<p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Human disease outbreaks (from contaminated water)	<p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Theft or destruction of assets	<p>Did not recover</p> <p>Fully recovered, same as before shock</p>

	<p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Theft of livestock (raids)	<p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Delay in PSNP food assistance	<p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Increasing food prices	<p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>
Increased prices of agricultural or livestock inputs	<p>Did not recover</p> <p>Fully recovered, same as before shock</p> <p>Fully recovered, and better than before the shock</p> <p>Partially recovered</p> <p>Not affected</p> <p>Don't know</p> <p>Refuse</p>

Decreased prices for agricultural or livestock products

Did not recover
 Fully recovered, same as before shock
 Fully recovered, and better than before the shock
 Partially recovered
 Not affected
 Don't know
 Refuse

Loss of land/rental property

Did not recover
 Fully recovered, same as before shock
 Fully recovered, and better than before the shock
 Partially recovered
 Not affected
 Don't know
 Refuse

Death of household member

Did not recover
 Fully recovered, same as before shock
 Fully recovered, and better than before the shock
 Partially recovered
 Not affected
 Don't know
 Refuse

To what extent has your ability to meet food needs returned to the level it was before all the shocks and stressors you experienced in the last 12 months?

Ability to meet food needs is the same as before the shock
 Ability to meet food needs is better than before the shock
 Ability to meet food needs is worse than before the shock
 We did not experience a shock in the last 12 months
 Don't know
 Refuse

In light of the shocks and stressors you faced in the last 12 months, to what extent do you believe you will be able to meet your food needs in the next year?

Ability to meet food needs is the same as before the shock
 Ability to meet food needs is better than before the shock

What have you done to protect your household from the impact of shocks in the future?

Ability to meet food needs is worse than before the shock

Don't know

Nothing

Increased savings

Put aside grains (for household or animals)

Switched to different crop(s)

Switched to different livestock

Added additional agricultural activity

Added additional non-agricultural activity

Diversified into agricultural livelihood

Diversified into non-agricultural activity

Changed from ag to non-ag livelihood

Changed from non-ag to ag livelihood

Acquired crop insurance

Acquired livestock insurance

Acquired other insurance (e.g. , health)

Relocated temporarily

Relocated permanently

Other

Don't know

Refuse

How many of each of the following productive assets do you own...

Plough (oxen-pulled)

Enter -88 for Don't Know Enter -99 for Refused

number

Mechanical plough

Enter -88 for Don't Know Enter -99 for Refused

number

Sickle

Enter -88 for Don't Know Enter -99 for Refused

number

Pick axe Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Axe Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Pruning/cutting shears Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Hoe Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Spade or shovel Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Traditional beehive Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Knapsack chemical sprayer Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Mechanical water pump Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Motorized water pump Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Agricultural land (hectares) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How many of the following livestock assets do you own...	
Cattle Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Goats Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Sheep Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Poultry Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>

Honey Bees Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
How many of the following household assets do you own...	
Improved charcoal/wood stove Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Kerosene stove Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Wooden bed Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Cellphone Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Radio Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Tape player Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Table Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Bicycle Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Cart (animal drawn) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Motor bike (2 or 3 wheels) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Generator Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Solar lamp Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Micro-energy (Solar, Hydro, etc.) Enter -88 for Don't Know Enter -99 for Refused	<i>number</i>
Do you or any other household member regularly save cash?	Yes

	No
	Don't Know
Where are the savings primarily held?	At home
	Microfinance Institution
	Village savings/credit group
	Bank
	NGO
	Mobile banking
	Other
	Don't know
	Refuse
Did you or anyone in your HH receive any information on	Yes
	No
	Don't Know
Early warning for natural hazards (flooding, hail, landslide) in the last 12 months?	Yes
	No
	Don't Know
Long-term changes in weather patterns in the last 12 months?	Yes
	No
	Don't Know
Rainfall/weather prospects for coming growing season in the last 12 months?	Yes
	No
	Don't Know
Water prices and availability in local boreholes, wells, etc. in the last 12 months?	Yes
	No
	Don't Know
Animal health (e.g., disease, epidemic, prevention) in the last 12 months?	Yes
	No
	Don't Know
Crop health (e.g., pest outbreaks, disease, prevention) in the last 12 months?	Yes
	No
	Don't Know
Improved crop production practices/technologies (CA, seeds) in the last 12 months?	Yes
	No
	Don't Know
	Yes

Improved livestock production practices (fodder, husbandry) in the last 12 months?	No Don't Know
Current market prices for live animals in the area in the last 12 months?	Yes No Don't Know
Market prices for animal products (milk, hides, skins, etc.) in the last 12 months?	Yes No Don't Know
Grazing conditions in nearby areas in the last 12 months?	Yes No Don't Know
Conflict or security issues in the last 12 months?	Yes No Don't Know
Business and investment opportunities in the last 12 months?	Yes No Don't Know
Opportunities for borrowing money in the last 12 months?	Yes No Don't Know
Market prices of the food you buy in the last 12 months?	Yes No Don't Know
Child nutrition and health information in the last 12 months?	Yes No Don't Know
Equal rights for women and men in the last 12 months?	Yes No Don't Know
Gender-based violence in the last 12 months?	Yes No Don't Know
Natural resource management in the last 12 months?	Yes No Don't Know

What was the main source of your information about ...

Early warning for natural hazards (flooding, hail, landslide)?

Relatives, friends, neighbors
 Village leader
 Village development committee
 School teachers
 Group in community (e.g., savings, forest users, farmers)
 Religious leaders
 Elders
 Local market
 Government, rural development agents, health/agriculture ext.
 NGOs
 Newspaper/Radio/TV
 Internet or SMS
 Private sector (input supplier, veterinarian, etc.)
 Police or security individuals
 Other
 Don't know
 Refuse

Long-term changes in weather patterns?

Relatives, friends, neighbors
 Village leader
 Village development committee
 School teachers
 Group in community (e.g., savings, forest users, farmers)
 Religious leaders
 Elders
 Local market
 Government, rural development agents, health/agriculture ext.
 NGOs
 Newspaper/Radio/TV
 Internet or SMS
 Private sector (input supplier, veterinarian, etc.)
 Police or security individuals
 Other
 Don't know
 Refuse

Rainfall/weather prospects for coming growing season?

Relatives, friends, neighbors

Village leader
Village development committee
School teachers
Group in community (e.g., savings, forest users, farmers)
Religious leaders
Elders
Local market
Government, rural development agents, health/agriculture ext.
NGOs
Newspaper/Radio/TV
Internet or SMS
Private sector (input supplier, veterinarian, etc.)
Police or security individuals
Other
Don't know
Refuse

Water prices and availability in local boreholes, wells, etc.?

Relatives, friends, neighbors
Village leader
Village development committee
School teachers
Group in community (e.g., savings, forest users, farmers)
Religious leaders
Elders
Local market
Government, rural development agents, health/agriculture ext.
NGOs
Newspaper/Radio/TV
Internet or SMS
Private sector (input supplier, veterinarian, etc.)
Police or security individuals
Other
Don't know
Refuse

Animal health (e.g., disease, epidemic, prevention)?

Relatives, friends, neighbors
Village leader
Village development committee
School teachers

	<p>Group in community (e.g., savings, forest users, farmers)</p> <p>Religious leaders</p> <p>Elders</p> <p>Local market</p> <p>Government, rural development agents, health/agriculture ext.</p> <p>NGOs</p> <p>Newspaper/Radio/TV</p> <p>Internet or SMS</p> <p>Private sector (input supplier, veterinarian, etc.)</p> <p>Police or security individuals</p> <p>Other</p> <p>Don't know</p> <p>Refuse</p>
Crop health (e.g., pest outbreaks, disease, prevention)?	<p>Relatives, friends, neighbors</p> <p>Village leader</p> <p>Village development committee</p> <p>School teachers</p> <p>Group in community (e.g., savings, forest users, farmers)</p> <p>Religious leaders</p> <p>Elders</p> <p>Local market</p> <p>Government, rural development agents, health/agriculture ext.</p> <p>NGOs</p> <p>Newspaper/Radio/TV</p> <p>Internet or SMS</p> <p>Private sector (input supplier, veterinarian, etc.)</p> <p>Police or security individuals</p> <p>Other</p> <p>Don't know</p> <p>Refuse</p>
Improved crop production practices/technologies (CA, seeds)?	<p>Relatives, friends, neighbors</p> <p>Village leader</p> <p>Village development committee</p> <p>School teachers</p> <p>Group in community (e.g., savings, forest users, farmers)</p> <p>Religious leaders</p>

	Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse
Improved livestock production practices (fodder, husbandry)?	Relatives, friends, neighbors Village leader Village development committee School teachers Group in community (e.g., savings, forest users, farmers) Religious leaders Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse
Current market prices for live animals in the area?	Relatives, friends, neighbors Village leader Village development committee School teachers Group in community (e.g., savings, forest users, farmers) Religious leaders Elders Local market Government, rural development agents, health/agriculture ext.

	NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse
Market prices for animal products (milk, hides, skins, etc.?)	Relatives, friends, neighbors Village leader Village development committee School teachers Group in community (e.g., savings, forest users, farmers) Religious leaders Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse
Grazing conditions in nearby areas?	Relatives, friends, neighbors Village leader Village development committee School teachers Group in community (e.g., savings, forest users, farmers) Religious leaders Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS

Conflict or security issues?

Private sector (input supplier,
veterinarian, etc.)
Police or security individuals
Other
Don't know
Refuse

Relatives, friends, neighbors
Village leader
Village development committee
School teachers
Group in community (e.g., savings,
forest users, farmers)
Religious leaders
Elders
Local market
Government, rural development
agents, health/agriculture ext.
NGOs
Newspaper/Radio/TV
Internet or SMS
Private sector (input supplier,
veterinarian, etc.)
Police or security individuals
Other
Don't know
Refuse

Business and investment opportunities?

Relatives, friends, neighbors
Village leader
Village development committee
School teachers
Group in community (e.g., savings,
forest users, farmers)
Religious leaders
Elders
Local market
Government, rural development
agents, health/agriculture ext.
NGOs
Newspaper/Radio/TV
Internet or SMS
Private sector (input supplier,
veterinarian, etc.)
Police or security individuals
Other

Opportunities for borrowing money?	<p>Don't know Refuse</p> <p>Relatives, friends, neighbors Village leader Village development committee School teachers Group in community (e.g., savings, forest users, farmers) Religious leaders Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse</p>
Market prices of the food you buy?	<p>Relatives, friends, neighbors Village leader Village development committee School teachers Group in community (e.g., savings, forest users, farmers) Religious leaders Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse</p>
Child nutrition and health information?	<p>Relatives, friends, neighbors</p>

Equal rights for women and men?

Village leader
Village development committee
School teachers
Group in community (e.g., savings, forest users, farmers)
Religious leaders
Elders
Local market
Government, rural development agents, health/agriculture ext.
NGOs
Newspaper/Radio/TV
Internet or SMS
Private sector (input supplier, veterinarian, etc.)
Police or security individuals
Other
Don't know
Refuse
Relatives, friends, neighbors
Village leader
Village development committee
School teachers
Group in community (e.g., savings, forest users, farmers)
Religious leaders
Elders
Local market
Government, rural development agents, health/agriculture ext.
NGOs
Newspaper/Radio/TV
Internet or SMS
Private sector (input supplier, veterinarian, etc.)
Police or security individuals
Other
Don't know
Refuse

Gender-based violence?

Relatives, friends, neighbors
Village leader
Village development committee
School teachers
Group in community (e.g., savings, forest users, farmers)

	Religious leaders Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse
Natural resource management?	Relatives, friends, neighbors Village leader Village development committee School teachers Group in community (e.g., savings, forest users, farmers) Religious leaders Elders Local market Government, rural development agents, health/agriculture ext. NGOs Newspaper/Radio/TV Internet or SMS Private sector (input supplier, veterinarian, etc.) Police or security individuals Other Don't know Refuse
Are any household members active in the following groups?	
Water users' group	No HH member in group HH member does not participate in decision-making Somewhat active Very active HH member is a leader Group does not exist in community Don't know

Grazing land users' group

Refuse

No HH member in group
 HH member does not participate in decision-making
 Somewhat active
 Very active
 HH member is a leader
 Group does not exist in community
 Don't know

Community natural resources group

Refuse

No HH member in group
 HH member does not participate in decision-making
 Somewhat active
 Very active
 HH member is a leader
 Group does not exist in community
 Don't know

Refuse

Forest users' group

No HH member in group
 HH member does not participate in decision-making
 Somewhat active
 Very active
 HH member is a leader
 Group does not exist in community
 Don't know
 Refuse

Agricultural/livestock/fisheries producer's group (including marketing groups)

No HH member in group
 HH member does not participate in decision-making
 Somewhat active
 Very active
 HH member is a leader
 Group does not exist in community
 Don't know
 Refuse

Trade and business association

No HH member in group
 HH member does not participate in decision-making
 Somewhat active
 Very active

	<p>HH member is a leader Group does not exist in community Don't know Refuse</p>
Civic groups (people working together to improve their community) or charitable group (people working together to help people in need)	<p>No HH member in group HH member does not participate in decision-making Somewhat active Very active HH member is a leader Group does not exist in community Don't know Refuse</p>
Credit or micro-finance group	<p>No HH member in group HH member does not participate in decision-making Somewhat active Very active HH member is a leader Group does not exist in community Don't know Refuse</p>
Savings groups (VSLA, merry-go-round, etc.)	<p>No HH member in group HH member does not participate in decision-making Somewhat active Very active HH member is a leader Group does not exist in community Don't know Refuse</p>
Mutual help group (e.g., ritban, afoosha, ofera/webera, burial, etc.)	<p>No HH member in group HH member does not participate in decision-making Somewhat active Very active HH member is a leader Group does not exist in community Don't know Refuse</p>
Religious group	<p>No HH member in group</p>

	<p>HH member does not participate in decision-making</p> <p>Somewhat active</p> <p>Very active</p> <p>HH member is a leader</p> <p>Group does not exist in community</p> <p>Don't know</p> <p>Refuse</p>
Mothers' group	<p>No HH member in group</p> <p>HH member does not participate in decision-making</p> <p>Somewhat active</p> <p>Very active</p> <p>HH member is a leader</p> <p>Group does not exist in community</p> <p>Don't know</p> <p>Refuse</p>
Women's group	<p>No HH member in group</p> <p>HH member does not participate in decision-making</p> <p>Somewhat active</p> <p>Very active</p> <p>HH member is a leader</p> <p>Group does not exist in community</p> <p>Don't know</p> <p>Refuse</p>
Youth group	<p>No HH member in group</p> <p>HH member does not participate in decision-making</p> <p>Somewhat active</p> <p>Very active</p> <p>HH member is a leader</p> <p>Group does not exist in community</p> <p>Don't know</p> <p>Refuse</p>
Sports group	<p>No HH member in group</p> <p>HH member does not participate in decision-making</p> <p>Somewhat active</p> <p>Very active</p> <p>HH member is a leader</p> <p>Group does not exist in community</p> <p>Don't know</p>

Disaster planning group	<p>Refuse</p> <p>No HH member in group HH member does not participate in decision-making Somewhat active Very active HH member is a leader Group does not exist in community Don't know Refuse</p>
Civic groups (people working together to improve their community) or charitable group (people working together to help people in need)	<p>No HH member in group HH member does not participate in decision-making Somewhat active Very active HH member is a leader Group does not exist in community Don't know Refuse</p>
Does the water user's group manage communal water for livestock in this village?	<p>Yes No Don't Know</p>
Does the water user's group manage communal water for irrigation in this village?	<p>Yes No Don't Know</p>
Does the group decide who in the village can use communal grazing land and when they can use it?	<p>Yes No Don't Know</p>
Does the communal natural resources group decide who in the village can gather firewood and how much?	<p>Yes No Don't Know</p>
Over the last 12 months, how many times have you or anyone in your household been part of a group that provided labor to someone in the village who needed it?	<p>None, no one needed/asked for help</p> <p>None, I wasn't part of a group Once or twice 3-5 times 6 or more times Don't know Refuse</p>

Over the last 12 months, how many times have you or anyone in your household been part of a group that provided food to someone in the village who needed it?

None, no one needed/asked for help

None, I wasn't part of a group

Once or twice

3-5 times

6 or more times

Don't know

Refuse

Over the last 12 months, how many times have you or anyone in your household been part of a group that provided some other type of help to someone else in the village?

None, no one needed/asked for help

None, I wasn't part of a group

Once or twice

3-5 times

6 or more times

Don't know

Refuse

Has the amount of help you or anyone in your household can provide to others in your village changed over the last five years?

No one in HH provided help to anyone in village over the last 5 years

No (stayed the same)

Yes, decreased slightly

Yes, decreased greatly

Yes, increased slightly

Yes, increased greatly

Don't know

Refuse

What were all the sources of your household's food/income over the last 12 months?

Own farming/crop production and sales

Own livestock production/fattening and sales

Agricultural wage labor (WITHIN THE VILLAGE)

Agricultural wage labor (OUTSIDE THE VILLAGE)

Non-agricultural wage labor (WITHIN THE VILLAGE)

Non-agricultural wage labor (OUTSIDE THE VILLAGE)

Salaried work

Sale of wild/bush products (including charcoal, firewood)

Honey production and sales

	<p>Petty trade (selling other products, e.g., grain, veggies, oil, sugar, etc.)</p> <p>Petty trade (selling own products, e.g., local beer, sex work)</p> <p>Other self-employment/own business (agricultural, e.g., buying/reselling chat)</p> <p>Other self-employment/own business (non-agricultural, e.g., stone cutting, hair braiding, etc.)</p> <p>Remittances</p> <p>Gifts/inheritance</p> <p>Safety net food/cash assistance</p> <p>Other (specify) 1</p> <p>Other (specify) 2</p> <p>Other (specify) 3</p> <p>Don't know</p> <p>Refuse</p> <p>Other</p>
Specify other.	
Other (specify) 1	<i>text</i>
Other (specify) 2	<i>text</i>
Other (specify) 3	<i>text</i>
During the drought members of my community have helped each other to cope	<p>Strongly disagree</p> <p>Disagree</p> <p>Slightly disagree</p> <p>Slightly agree</p> <p>Agree</p> <p>Strongly agree</p> <p>Don't know</p> <p>Refuse</p>
During the drought members from different communities have helped each other to cope	<p>Strongly disagree</p> <p>Disagree</p> <p>Slightly disagree</p> <p>Slightly agree</p> <p>Agree</p> <p>Strongly agree</p> <p>Don't know</p> <p>Refuse</p>
	Yes

Has your household received any kind of formal support from the government or NGO over the past 12 months?

No

What types of support were received?

- Emergency food assistance
- Emergency cash assistance
- Conditional food transfer (FFW)
- Conditional cash transfer (CFW)
- Unconditional food transfer (non-emergency)
- Unconditional cash transfer (non-emergency)
- Household materials and non-food items
- Educational assistance/school feeding
- Agricultural inputs (seeds, fertilizer, etc.)
- Livestock inputs (feed, fodder, medicine, etc.)
- WASH (Water, Sanitation and Hygiene)
- Nutrition/supplemental feeding
- Other (specify)
- Don't know
- Refuse

If your household had a problem and needed help urgently (e.g., food, money, labor, transport, etc.), who IN THIS VILLAGE could you turn to for help?

- Relatives
- Non-relatives in my ethnic group/clan
- Non-relatives in other ethnic group/clan
- No one
- Other (specify)
- Don't know
- Refuse

If your household had a problem and needed help urgently (e.g., food, money, labor, transport, etc.), who OUTSIDE THIS VILLAGE could you turn to for help?

- Relatives
- Non-relatives in my ethnic group/clan
- Non-relatives in other ethnicgroup/clan
- No one
- Other (specify)
- Don't know
- Refuse

Compared to one year ago has your ability to get help from anyone within or outside of your village:	<p>Increased</p> <p>Stayed the same</p> <p>Decreased</p> <p>Don't know</p> <p>Refuse</p>
Who INSIDE THIS VILLAGE would you help if they needed help urgently (e.g., food, money, labor, transport, etc.)?	<p>Relatives</p> <p>Non-relatives in my ethnic group/clan</p> <p>Non-relatives in other ethnic group/clan</p> <p>No one</p> <p>Other (specify)</p> <p>Don't know</p> <p>Refuse</p>
Who OUTSIDE THIS VILLAGE would you help if they needed help urgently (e.g., food, money, labor, transport, etc.)?	<p>Relatives</p> <p>Non-relatives in my ethnic group/clan</p> <p>Non-relatives in other ethnic group/clan</p> <p>No one</p> <p>Other (specify)</p> <p>Don't know</p> <p>Refuse</p>
Do you or does anyone else in your household personally know an elected government official?	<p>Yes</p> <p>No</p>
How do you (or other household member) know the government official? Is he or she a....?	<p>Family member or relative</p> <p>Friend</p> <p>Neighbor</p> <p>Acquaintance (member of a group, friend of a friend, etc.)</p> <p>Other (specify)</p> <p>Don't know</p> <p>Refuse</p>
Could you ask the official to help your family or village if help was needed?	<p>Yes</p> <p>No</p>
Do you or does anyone else in your household personally know a staff member of an NGO?	<p>Yes</p> <p>No</p>

<p>How do you (or another household member) know the NGO staff member? Is he or she a...?</p>	<p>Family member or relative Friend Neighbor Acquaintance (member of a group, friend of a friend, etc.) Other (specify) Don't know Refuse</p>
<p>Could you ask the NGO staff member to help your family or community if help was needed?</p>	<p>Yes No</p>
<p>Has your household given assistance to anyone WITHIN THIS VILLAGE in the last 12 months?</p>	<p>Yes No</p>
<p>What types of assistance has your household given to someone WITHIN THIS VILLAGE in the last 12 months?</p>	<p>Labor sharing (weeding, plowing, construction, etc.) Donation/gift (cash, animals, materials/ supplies, food, etc.) Loans (cash, seeds, animals, etc.) Other (specify) Don't know Refuse</p>
<p>Who IN THIS VILLAGE have you given assistance to in the last 12 months?</p>	<p>Relatives Non-relatives in my ethnic group/clan Non-relatives in other ethnic group/clan No one Other (specify) Don't know Refuse</p>
<p>Within the last 12 months, has your household received assistance from anyone WITHIN THIS VILLAGE?</p>	<p>Yes No</p>
<p>What types of assistance has your household received from someone WITHIN THIS VILLAGE in the last 12 months?</p>	<p>Labor sharing (weeding, plowing, construction, etc.) Donation/gift (cash, animals, materials/ supplies, food, etc.) Loans (cash, seeds, animals, etc.) Other (specify) Don't know Refuse</p>

Who WITHIN THIS VILLAGE provided you with assistance over the last 12 months?	Relatives Non-relatives in my ethnic group/clan Non-relatives in other ethnic group/clan No one Other (specify) Don't know Refuse
Within the last 12 months, has your household given assistance to anyone OUTSIDE THIS VILLAGE?	Yes No
What types of assistance did you give to someone OUTSIDE THIS VILLAGE in the last 12 months?	Labor sharing (weeding, plowing, construction, etc.) Donation/gift (cash, animals, materials/ supplies, food, etc.) Loans (cash, seeds, animals, etc.) Other (specify) Don't know Refuse
Who OUTSIDE THIS VILLAGE did you give assistance to over the last 12 months?	Relatives Non-relatives in my ethnic group/clan Non-relatives in other ethnic group/clan No one Other (specify) Don't know Refuse
Within the last 12 months, has your household received assistance from anyone OUTSIDE THIS VILLAGE?	Yes No
What types of assistance did you receive from someone OUTSIDE THIS VILLAGE in the last 12 months?	Labor sharing (weeding, plowing, construction, etc.) Donation/gift (cash, animals, materials/ supplies, food, etc.) Loans (cash, seeds, animals, etc.) Other (specify) Don't know Refuse

Who OUTSIDE THIS VILLAGE provided you with assistance over the last 12 months?	Relatives Non-relatives in my ethnic group/clan Non-relatives in other ethnic group/clan No one Other (specify) Don't know Refuse
Have you or anyone in your household ever received any vocational (job) or skill training?	Yes No Don't Know
Have you or anyone in your household ever received any business development training (including financial literacy)?	Yes No Don't Know
Have you or anyone in your household ever received any early warning training?	Yes No Don't Know
Have you ever or anyone in your household received any natural resource management training?	Yes No Don't Know
Have you or anyone in your household ever received adult education?	Yes No Don't Know
Have you or anyone in your household ever received training in how to use your mobile phone to get market information like prices?	Yes No Don't Know
Have you or anyone in your household ever received seed packets/starter packets from the government or an NGO?	Yes No Don't Know
Can you or any other adult in your household read or write?	Yes No Don't Know
Have you or anyone in your household ever received adult education (literacy or numeracy or financial education)?	Yes No Don't Know

Have you or anyone in your household ever received training in how to use your mobile phone to get market information like prices?	Yes No Don't Know
Please tell me which one of these two views you most agree with.	“Each person is primarily responsible for his/her success or failure in life” “One’s success or failure in life is a matter of his/her destiny” Don't know Refuse
Please tell me which one of these two views you most agree with.	"To be successful, above all one needs to work very hard" “To be successful above all one needs to be lucky” Don't know Refuse
Are you willing to move somewhere else to improve your life?	Yes No
Are you hopeful about your children’s future?	Yes No
What level of education do you want for your children?	No preference Any level of primary Graduated from primary Graduated from secondary Post-secondary (college, university) No children in HH Don't know Refuse
Do you agree that one should always follow the advice of the elders?	Yes No
Do you communicate regularly with at least one person outside the village?	Yes No
During the past week, have you engaged in any economic activities with other villages or clans? For example, farming, trading, employment, borrowing or lending money.	Yes No

How many times in the past month have you gotten together with friends, family, neighbors, etc. to discuss issues or share food/drinks, either in someone’s home or in a public place? *number*

How many days in the past month have you attended a church/mosque or other religious service? *number*

In the last year, how many times have you stayed more than 1 week outside your village? *number*

Below is a series of statements that you may agree or disagree with. Using the scales below indicate your agreement with each item.

My experience in life has been that what is going to happen will happen. Strongly disagree
Disagree
Slightly disagree
Slightly agree
Agree
Strongly agree
Don't know
Refuse

My life is chiefly controlled by other powerful people Strongly disagree
Disagree
Slightly disagree
Slightly agree
Agree
Strongly agree
Don't know
Refuse

It is not always wise for me to plan too far ahead because many things turn out to be a matter of good or bad fortune. Strongly disagree
Disagree
Slightly disagree
Slightly agree
Agree
Strongly agree
Don't know
Refuse

I can mostly determine what will happen in my life. Strongly disagree
Disagree
Slightly disagree
Slightly agree

	Agree Strongly agree Don't know Refuse
When I get what I want, it is usually because I worked hard for it.	Strongly disagree Disagree Slightly disagree Slightly agree Agree Strongly agree Don't know Refuse
My life is determined by my own actions.	Strongly disagree Disagree Slightly disagree Slightly agree Agree Strongly agree Don't know Refuse
Most people are basically honest.	Strongly disagree Disagree Slightly disagree Slightly agree Agree Strongly agree Don't know Refuse
Most people can be trusted.	Strongly disagree Disagree Slightly disagree Slightly agree Agree Strongly agree Don't know Refuse
I trust my neighbors to look after my house if I am away.	Strongly disagree Disagree Slightly disagree Slightly agree Agree

	Strongly agree Don't know Refuse
Generally, do adult men and women sit and eat together within households?	Yes, regularly Yes, occasionally No Don't know Refuse
Do you and your spouse sit and eat together within your household?	Yes, and it is culturally acceptable Yes, but it is not culturally acceptable No, but it is culturally acceptable No, and it is not culturally acceptable Only for special occasions No spouse/spouse absent Don't know Refuse
Generally, do adult men and women sit together at public meetings?	Yes, and it is culturally acceptable Yes, but it is not culturally acceptable No, but it is culturally acceptable No, and it is not culturally acceptable Only for special occasions No spouse/spouse absent Don't know Refuse
Generally, do men in the village help with childcare around the household?	Yes, regularly Yes, occasionally No Don't know Refuse
Who primarily cares for your children?	Yourself Your spouse/partner You help your spouse/partner Your spouse/partner helps you Not applicable Other (specify) Don't know Refuse

specify

Generally, do men in the village help collect firewood or carry water for your household?

text

Yes, regularly
 Yes, occasionally
 No
 Don't know
 Refuse

Who primarily collects firewood for your household?

Yourself
 Your spouse/partner
 You help your spouse/partner
 Your spouse/partner helps you
 Not applicable
 Other (specify)
 Don't know
 Refuse

specify

Who primarily fetches water for your household?

text

Yourself
 Your spouse/partner
 You help your spouse/partner
 Your spouse/partner helps you
 Not applicable
 Other (specify)
 Don't know
 Refuse

specify

Are there any government or NGO programs in this village?

text

Yes
 No
 Don't Know

What types of programming do they provide?

Emergency food/cash assistance
 Food/cash transfers
 Household materials and non-food items

 Educational assistance
 Agricultural inputs (seeds, fertilizer, etc.)
 Livestock inputs (feed, fodder, medicine, etc.)
 WASH (Water, Sanitation, and Hygiene)

	Disaster planning/response Safety net (FFW/CFW) Child malnutrition/infant feeding Other Don't know Refuse
In the last 12 months, did you or your household receive any government or NGO assistance?	Yes No Don't Know
What type(s) of assistance did you or your household receive?	Emergency food/cash assistance Food/cash transfers Household materials and non-food items Educational assistance Agricultural inputs (seeds, fertilizer, etc.) Livestock inputs (feed, fodder, medicine, etc.) WASH (Water, Sanitation, and Hygiene) Disaster planning/response Safety net (FFW/CFW) Child malnutrition/infant feeding Other Don't know Refuse
Other	<i>text</i>
Is there an emergency plan for livestock offtake if a drought hits your village?	Yes No Don't Know
Do you have an active Peace Committee in your village?	Yes No Don't Know
Do you have an active Area Land Committee in your village?	Yes No Don't Know
Does this village have a security or police force?	Yes No Don't Know

Who provides the nearest security/police force?	Sub county government District government National government Local militia Community members Other (specify): Don't know Refuse
Other	<i>text</i>
How long does it take for the nearest security/police force to reach this village?	Over one hour About one hour Half an hour Minutes Don't know Refuse
<i>Anthropometry</i>	
Now can I speak to the caregiver of each child?	
How many children under the age of 5 are we weighing?	
[ENUMERATOR: Is this the first time the caregiver is giving consent?]	Yes No
<i>begin repeat</i>	
<i>Consent</i>	
DOES THE CAREGIVER AGREE TO PARTICIPATE IN THE SURVEY?	Yes No
Select name of person who will be measured	<i>Select name</i>
SEX	Male Female
CHILD'S BIRTH DATE	<i>date</i>
SOURCE BIRTH DATE	Birth certificate Baptismal/church record Health registration card Home record Parent statement Other (specify) Don't know

	Refuse
Other (specify)	<i>text</i>
WEIGHT	<i>number</i>
EDEMA	Yes No
<i>end repeat</i>	
ENUMERATOR: Is the survey complete?	Yes No
ENUMERATOR: Please describe any issues you have had with the survey Not mandatory	<i>text</i>